

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056350.D
 Acq On : 18 Jun 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:19:30 PM

Quant Time: Jun 19 02:10:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	367884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	550163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	223441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	199001	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
35) Dibromofluoromethane	7.59	113	174040	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
50) Toluene-d8	10.09	98	672039	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	231204	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	164237	50.778	ug/l	99
3) Chloromethane	2.06	50	206481	47.611	ug/l	100
4) Vinyl Chloride	2.18	62	203047	47.639	ug/l	100
5) Bromomethane	2.53	94	124285m	50.131	ug/l	
6) Chloroethane	2.68	64	120032	48.623	ug/l	98
7) Trichlorofluoromethane	3.00	101	260934	47.937	ug/l	99
8) Diethyl Ether	3.40	74	105556	48.891	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	170567	48.449	ug/l	99
10) Methyl Iodide	3.94	142	230882	51.246	ug/l	100
11) Tert butyl alcohol	4.81	59	153227	235.407	ug/l	100
12) 1,1-Dichloroethene	3.72	96	161778	47.386	ug/l	99
13) Acrolein	3.60	56	39342	211.686	ug/l	97
14) Allyl chloride	4.31	41	271633	47.442	ug/l	99
15) Acrylonitrile	4.99	53	441693	237.432	ug/l	99
16) Acetone	3.82	43	507610	222.082	ug/l	99
17) Carbon Disulfide	4.04	76	394421	43.176	ug/l	100
18) Methyl Acetate	4.32	43	181037	45.270	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	510514	49.032	ug/l	99
20) Methylene Chloride	4.54	84	189019	46.833	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	174456	48.040	ug/l	99
22) Diisopropyl ether	5.95	45	550285	48.892	ug/l	99
23) Vinyl Acetate	5.89	43	2285574	249.597	ug/l	99
24) 1,1-Dichloroethane	5.84	63	319115	48.361	ug/l	99
25) 2-Butanone	6.84	43	658395	237.650	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223993	46.942	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	202008	48.028	ug/l	99
28) Bromochloromethane	7.19	49	163001	49.328	ug/l	99
29) Tetrahydrofuran	7.21	42	388714	236.208	ug/l	99
30) Chloroform	7.37	83	314139	47.791	ug/l	99
31) Cyclohexane	7.65	56	306757	48.115	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	257779	47.344	ug/l	99
36) 1,1-Dichloropropene	7.79	75	244299	49.345	ug/l	99
37) Ethyl Acetate	6.93	43	235016	50.091	ug/l	100
38) Carbon Tetrachloride	7.77	117	217958	45.868	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	310196	51.367	ug/l	99
40) Benzene	8.04	78	744592	49.579	ug/l	99
41) Methacrylonitrile	7.18	41	118571m	55.037	ug/l	
42) 1,2-Dichloroethane	8.12	62	243824	49.506	ug/l	100
43) Isopropyl Acetate	8.17	43	356695	47.526	ug/l	99
44) Trichloroethene	8.83	130	204645	50.107	ug/l	99
45) 1,2-Dichloropropane	9.12	63	198038	49.895	ug/l	99
46) Dibromomethane	9.21	93	125678	47.649	ug/l	99
47) Bromodichloromethane	9.40	83	234695	46.575	ug/l	99
48) Methyl methacrylate	9.20	41	174551	46.097	ug/l	96
49) 1,4-Dioxane	9.20	88	76453	1000.883	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1158971	242.293	ug/l	100
52) Toluene	10.15	92	458652	50.035	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	243403	48.646	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	285197	49.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	184414	48.951	ug/l	99
56) Ethyl methacrylate	10.43	69	273012	50.391	ug/l	100
57) 1,3-Dichloropropane	10.71	76	309039	48.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	512632	252.920	ug/l	99
59) 2-Hexanone	10.75	43	877957	247.483	ug/l	100
60) Dibromochloromethane	10.90	129	183663	46.482	ug/l	99
61) 1,2-Dibromoethane	11.00	107	189053	48.819	ug/l	99
64) Tetrachloroethene	10.63	164	199444	49.121	ug/l	99
65) Chlorobenzene	11.43	112	492955	49.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176612	47.063	ug/l	99
67) Ethyl Benzene	11.51	91	874738	50.555	ug/l	99
68) m/p-Xylenes	11.62	106	665230	103.298	ug/l	99
69) o-Xylene	11.95	106	325256	51.237	ug/l	98
70) Styrene	11.96	104	541503	52.835	ug/l	99
71) Bromoform	12.12	173	128609	44.099	ug/l #	100
73) Isopropylbenzene	12.25	105	856418	51.815	ug/l	100
74) N-amyl acetate	12.07	43	309798	44.120	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256277	49.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	224066m	46.936	ug/l	
77) Bromobenzene	12.53	156	222944	50.314	ug/l	99
78) n-propylbenzene	12.59	91	955126	47.621	ug/l	100
79) 2-Chlorotoluene	12.67	91	570507	51.738	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	714394	45.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63463	41.302	ug/l	93
82) 4-Chlorotoluene	12.77	91	560712	47.626	ug/l	100
83) tert-Butylbenzene	12.99	119	622655	52.003	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	698152	48.095	ug/l	100
85) sec-Butylbenzene	13.17	105	829482	47.154	ug/l	100
86) p-Isopropyltoluene	13.29	119	747346	49.632	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	374800	49.282	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	361875	49.519	ug/l	100
89) n-Butylbenzene	13.61	91	593530	52.721	ug/l	99
90) Hexachloroethane	13.87	117	113566	44.354	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	367853	49.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40118	41.553	ug/l	98

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Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166909	43.827	ug/l	99
94) Hexachlorobutadiene	15.01	225	138182	54.320	ug/l	99
95) Naphthalene	15.13	128	427002	42.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	179466	44.704	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

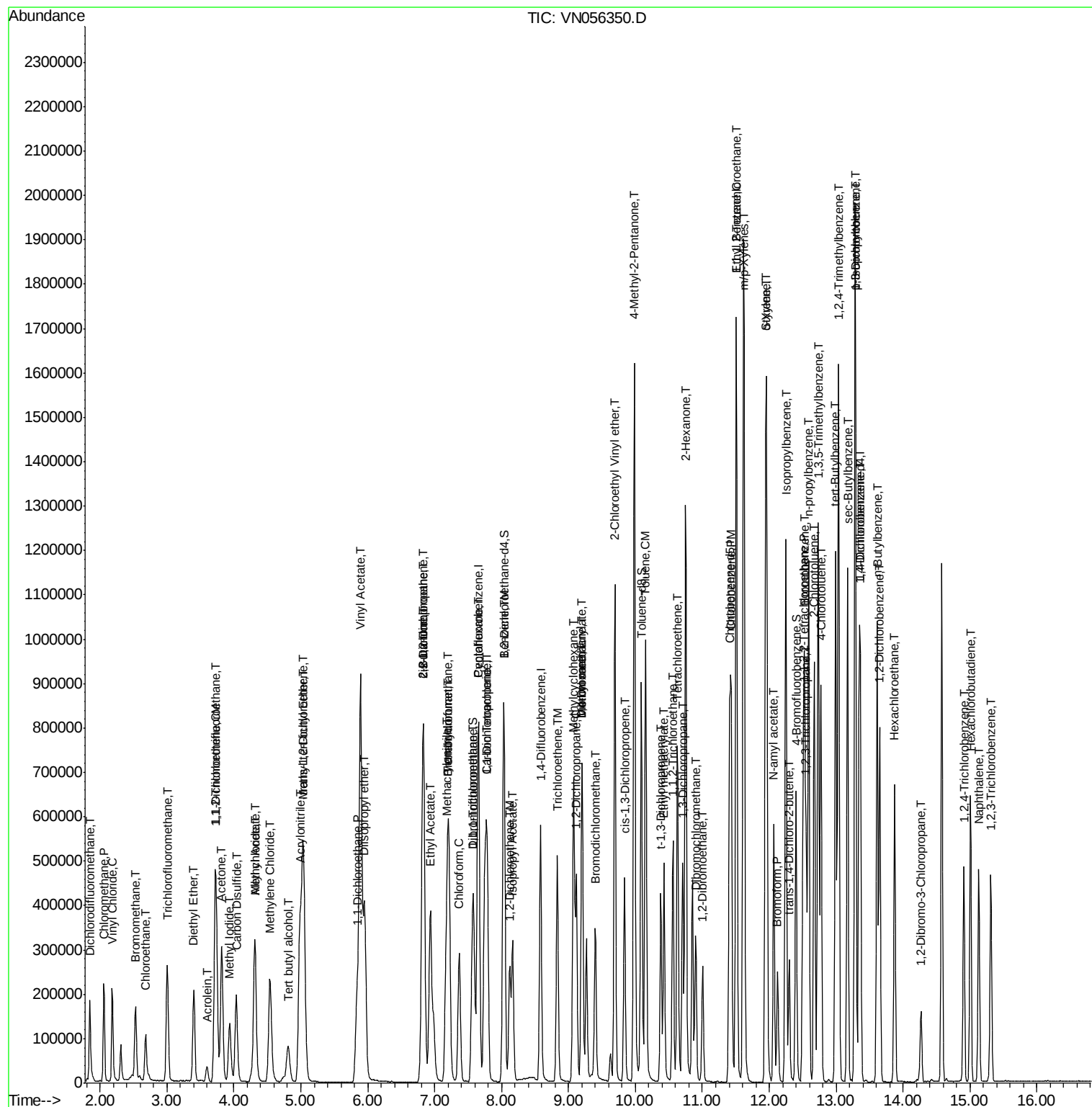
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 Data File : VN056350.D
 Acq On : 18 Jun 2019 8:50
 Operator : JC/SP
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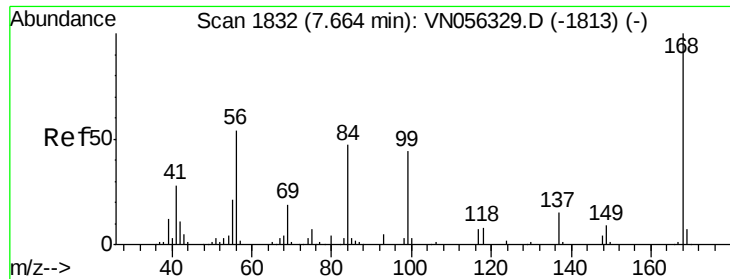
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 367884

Ion Ratio Lower Upper

168 100

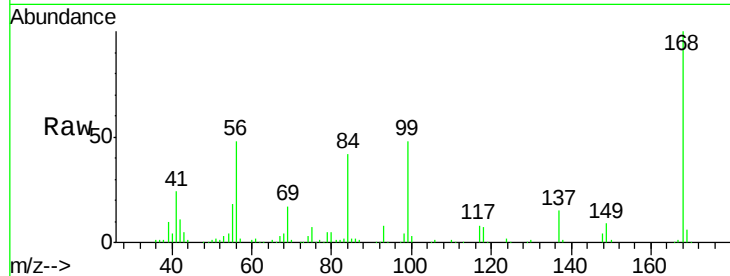
99 47.8 40.2 60.2

Manual Integrations

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6/19/2019 12:19:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

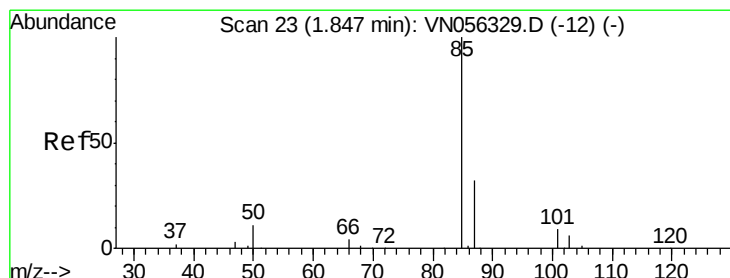
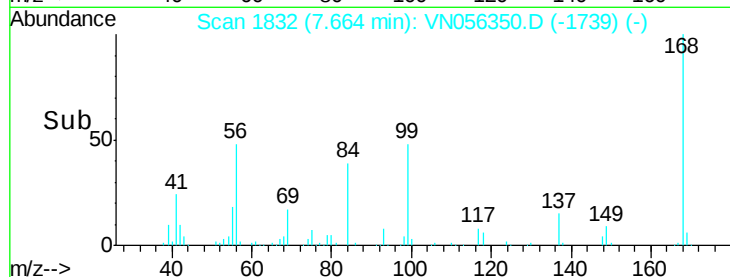
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.778 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056350.D

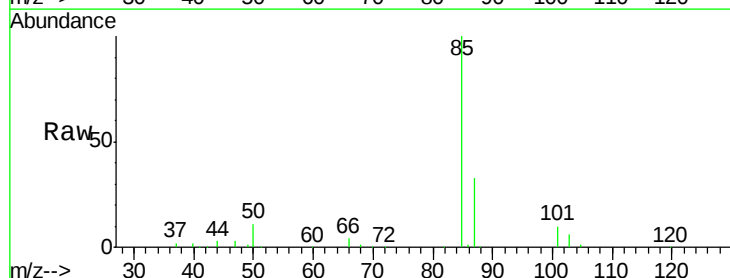
Acq: 18 Jun 2019 8:50

Tgt Ion: 85 Resp: 164237

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

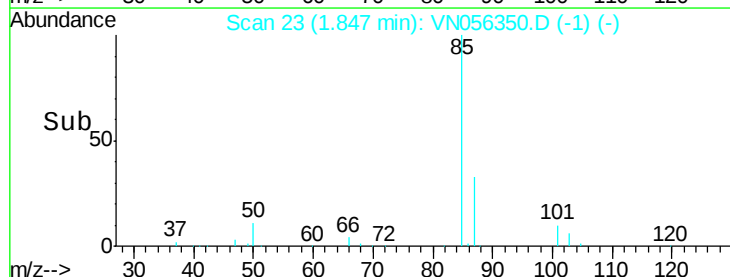
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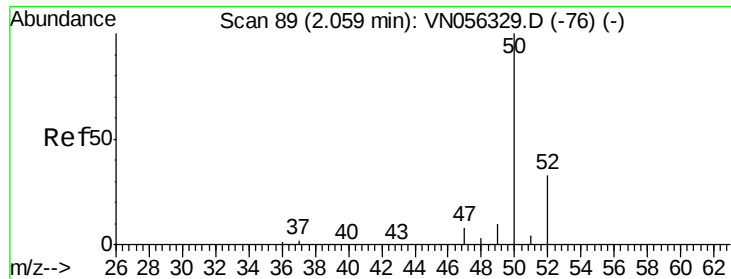
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20000

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Time-->





#3

Chloromethane

Concen: 47.611 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 206481

Ion Ratio Lower Upper

50 100

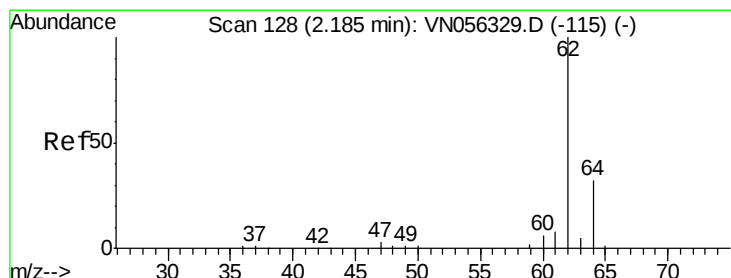
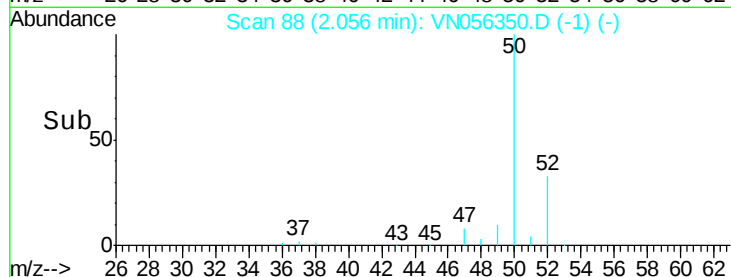
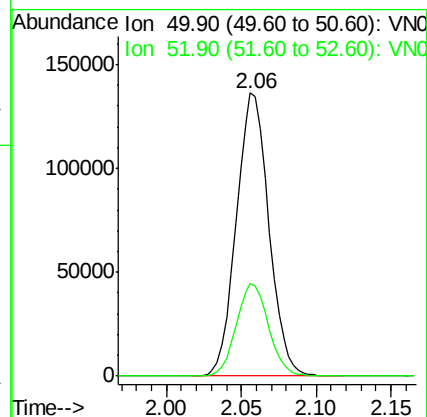
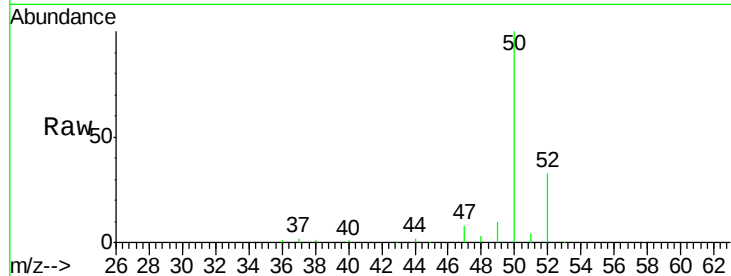
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.639 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056350.D

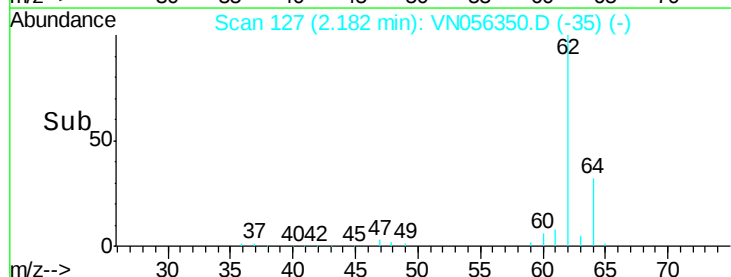
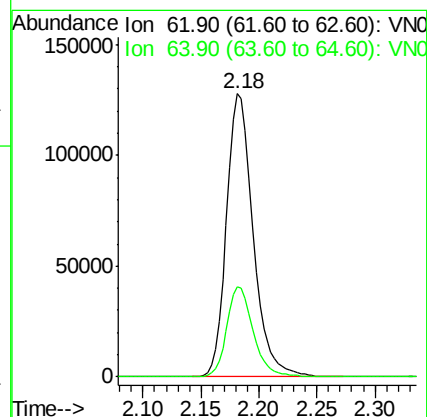
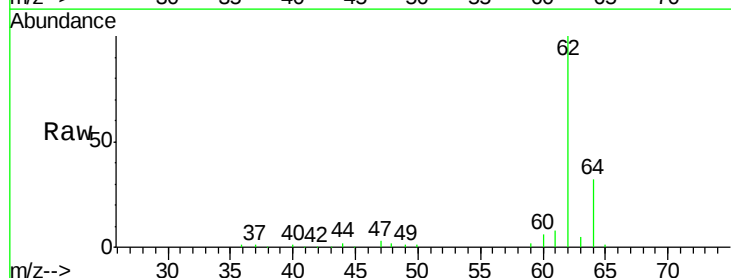
Acq: 18 Jun 2019 8:50

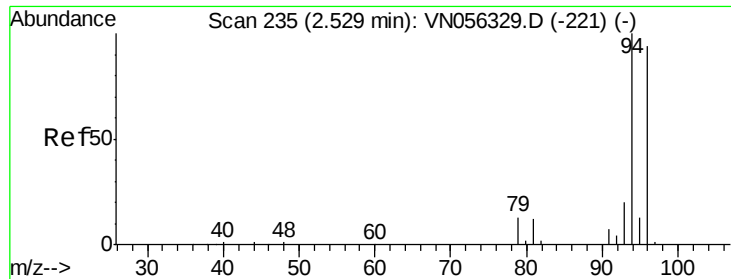
Tgt Ion: 62 Resp: 203047

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 50.131 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 124285

Ion Ratio Lower Upper

94 100

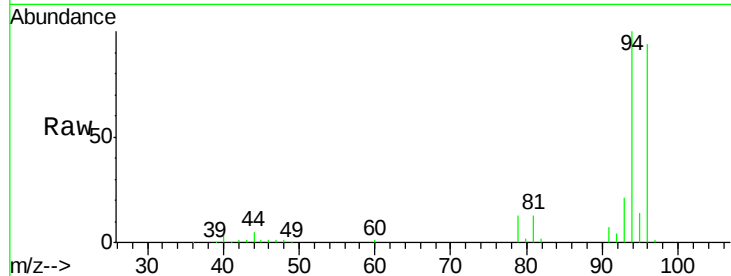
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Manual Integrations

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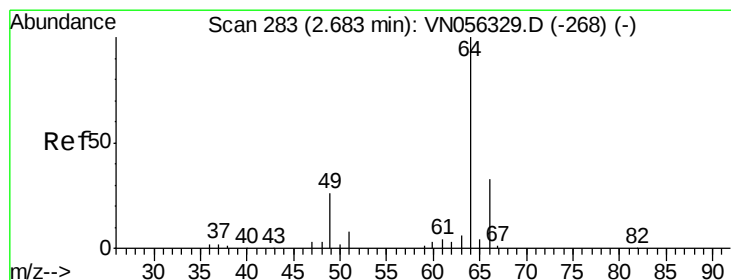
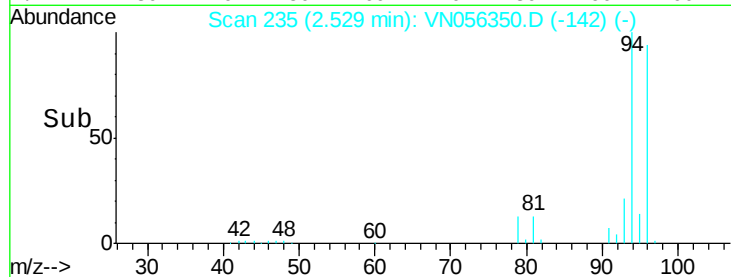
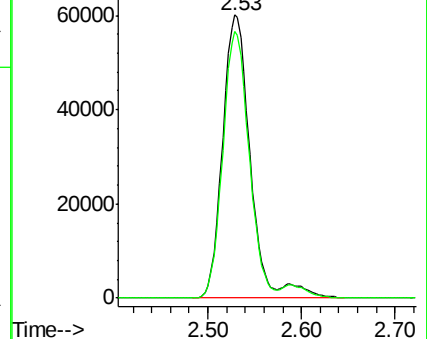
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.623 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN056350.D

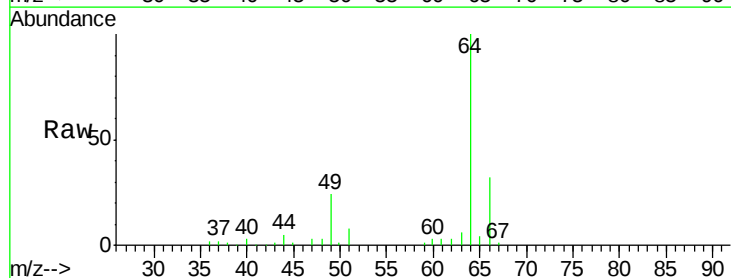
Acq: 18 Jun 2019 8:50

Tgt Ion: 64 Resp: 120032

Ion Ratio Lower Upper

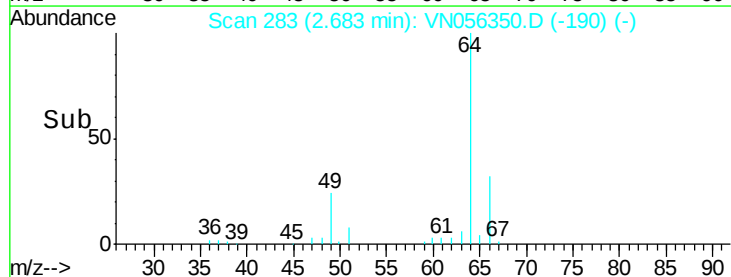
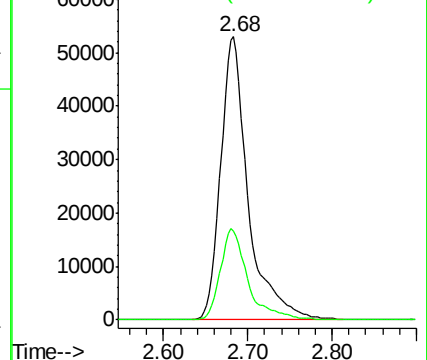
64 100

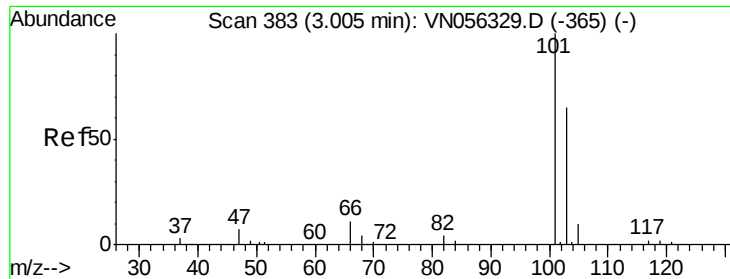
66 31.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

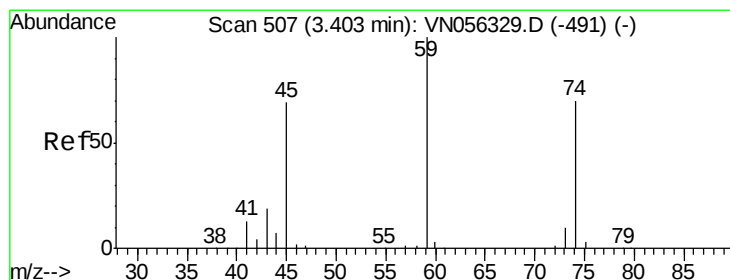
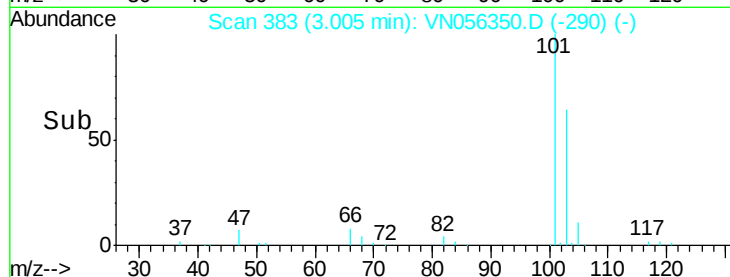
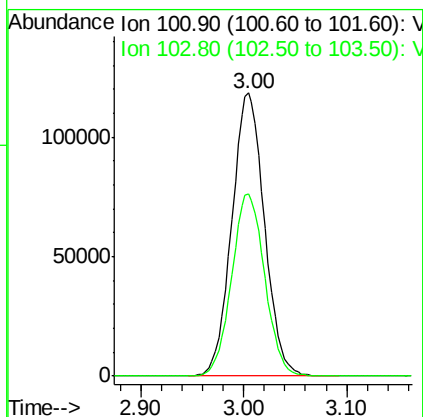
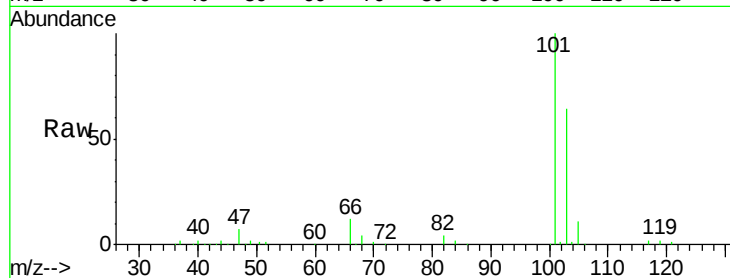
Trichlorofluoromethane
Concen: 47.937 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

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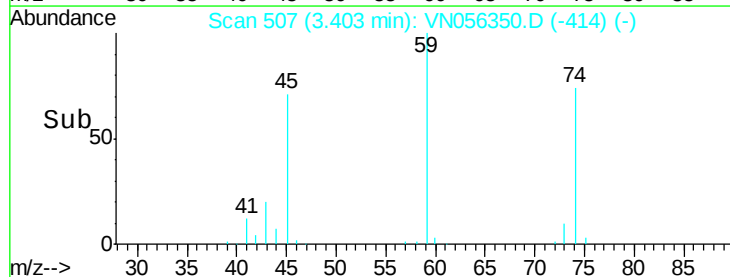
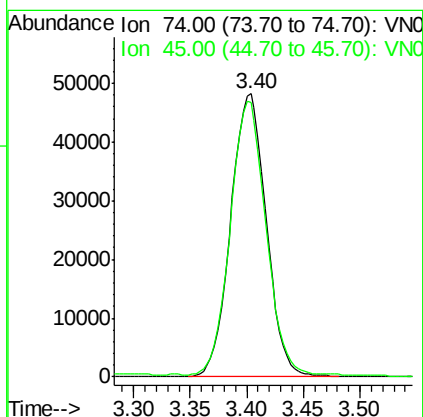
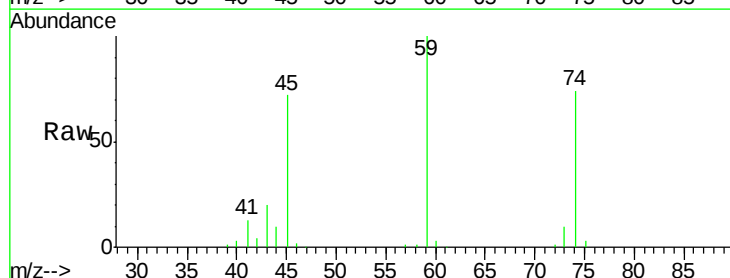
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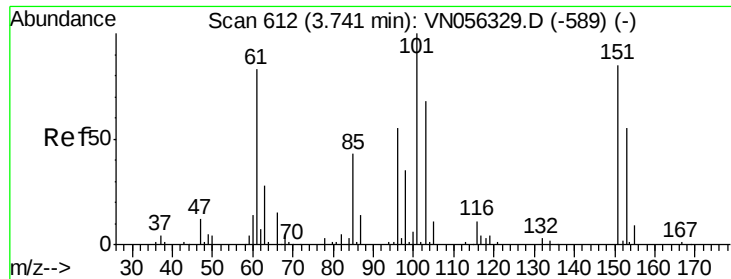


#8

Diethyl Ether
Concen: 48.891 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.449 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

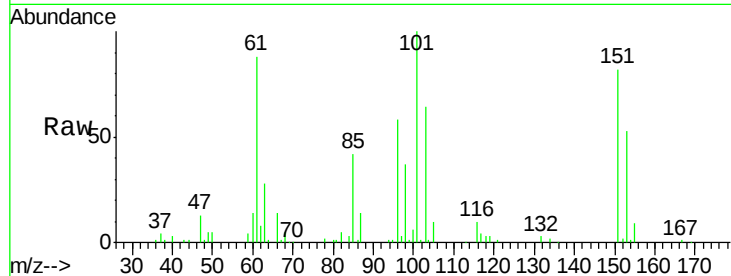
ClientSampleId :

VSTDCCC050

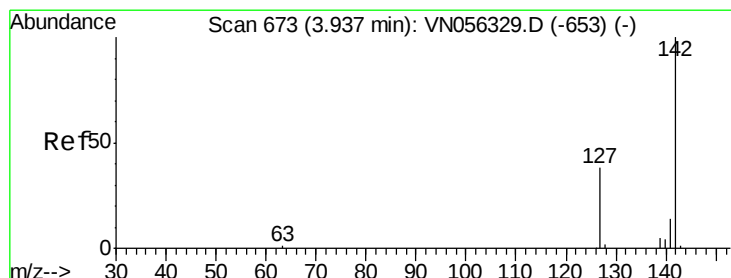
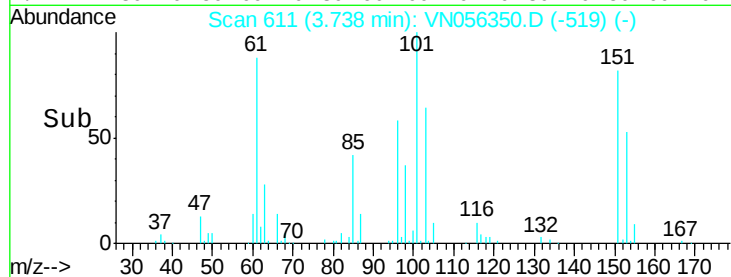
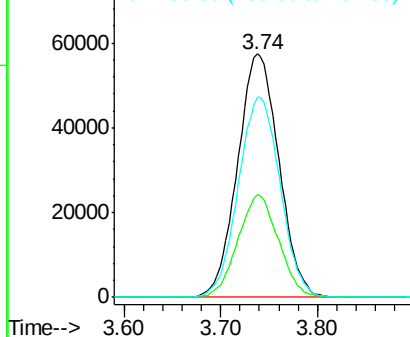
Tot Ion:	101	Resp:	170567
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.8
151	83.2	67.4	101.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.246 ug/l

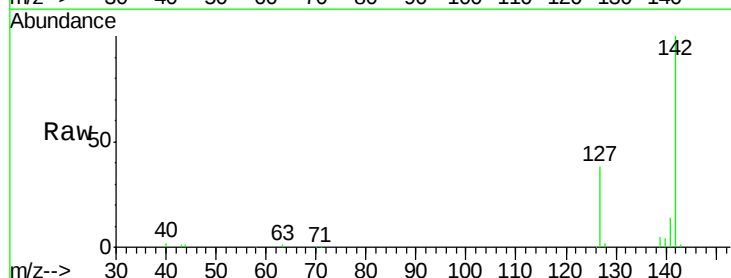
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

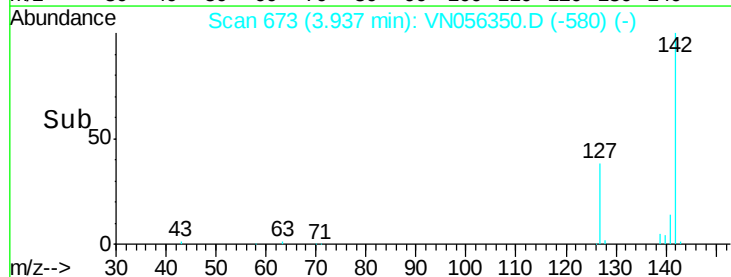
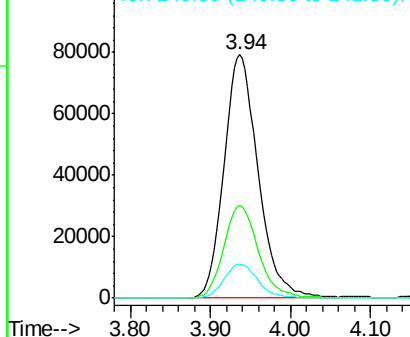
Lab File: VN056350.D

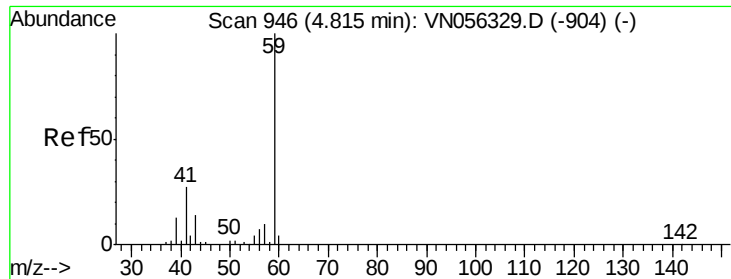
Acq: 18 Jun 2019 8:50

Tgt Ion:	142	Resp:	230882
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.8	46.2
141	13.9	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

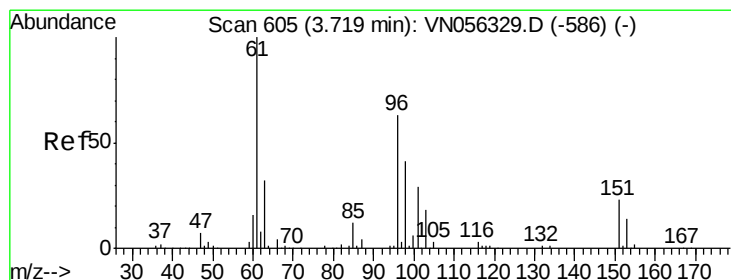
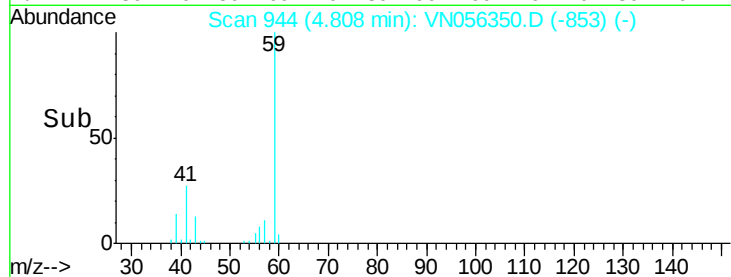
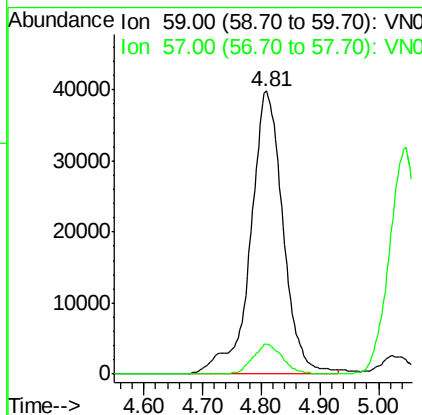
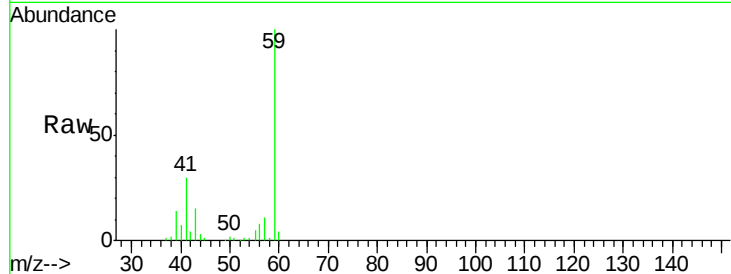
Tert butyl alcohol
 Concen: 235.407 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

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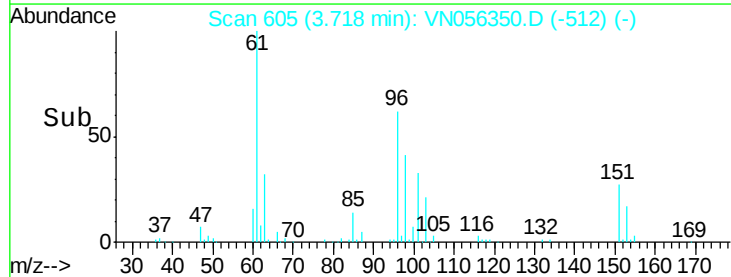
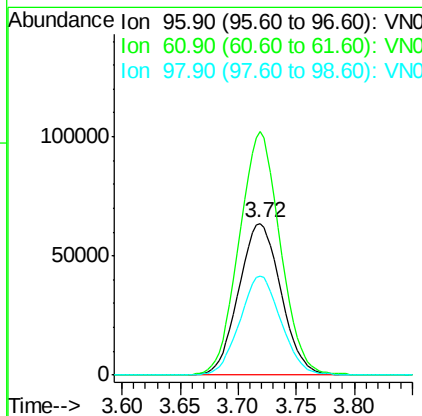
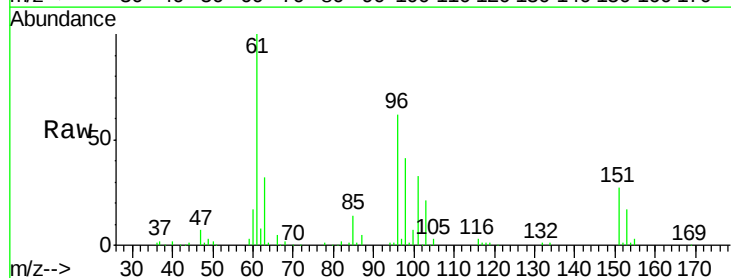
MMDadoda
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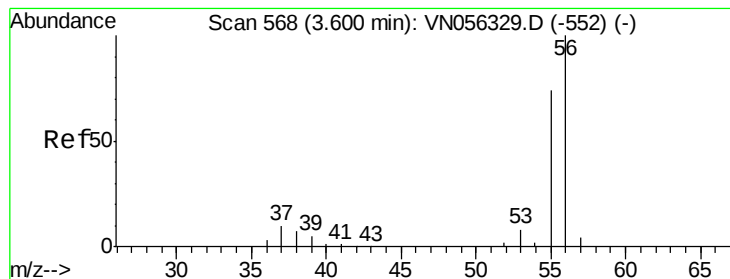


#12

1,1-Dichloroethene
 Concen: 47.386 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	127.4	191.2
98	65.4	51.7	77.5





#13

Acrolein

Concen: 211.686 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39342

Ion Ratio Lower Upper

56 100

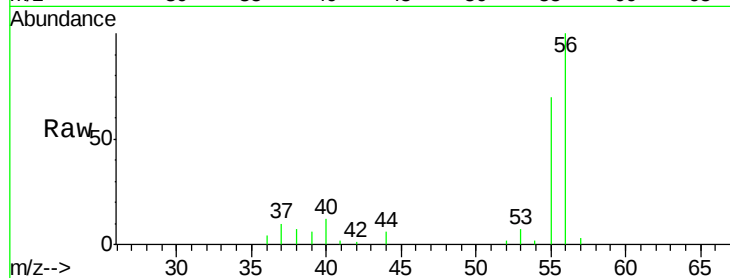
55 73.0 56.4 84.6

Manual Integrations

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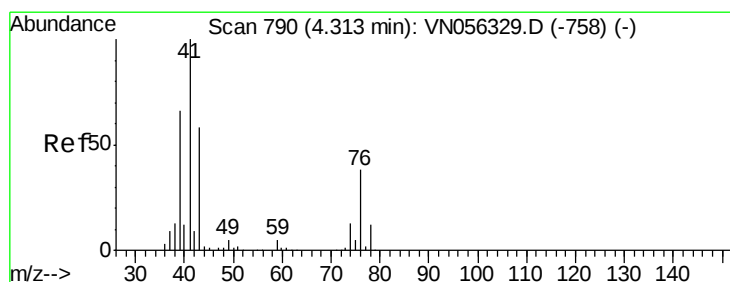
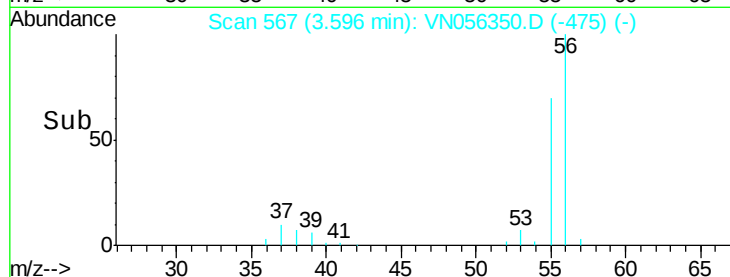
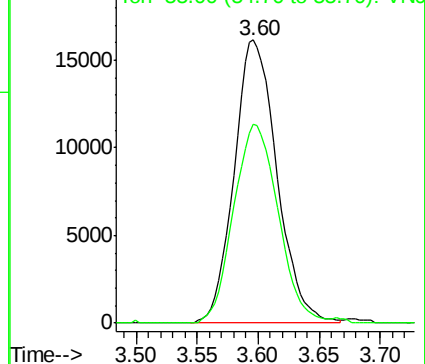
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.442 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

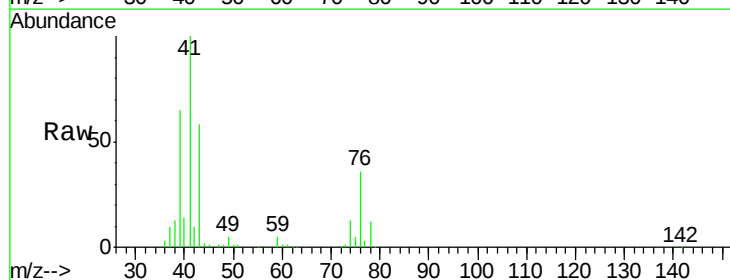
Tgt Ion: 41 Resp: 271633

Ion Ratio Lower Upper

41 100

39 61.6 48.9 73.3

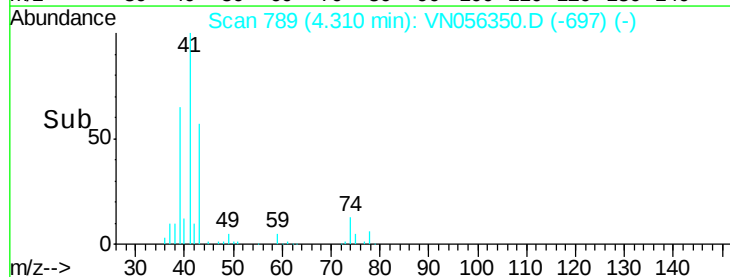
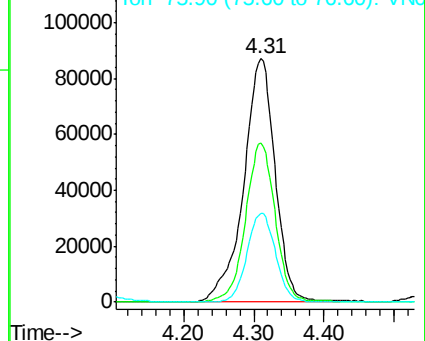
76 33.0 27.2 40.8

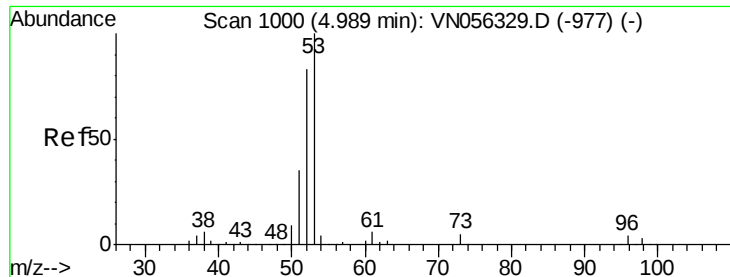


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 237.432 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

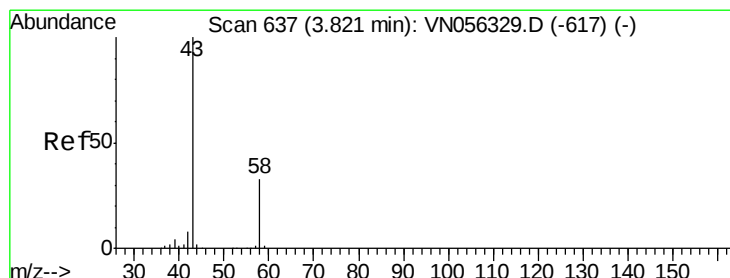
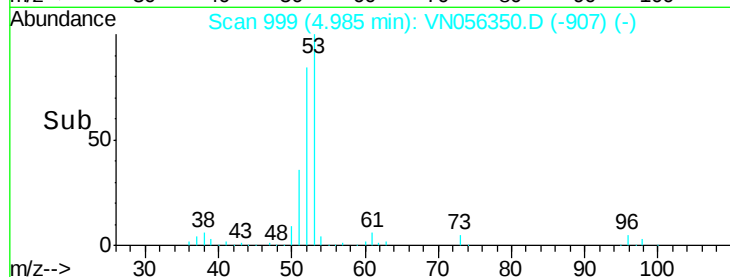
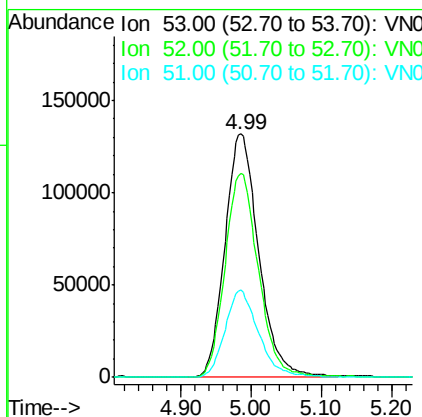
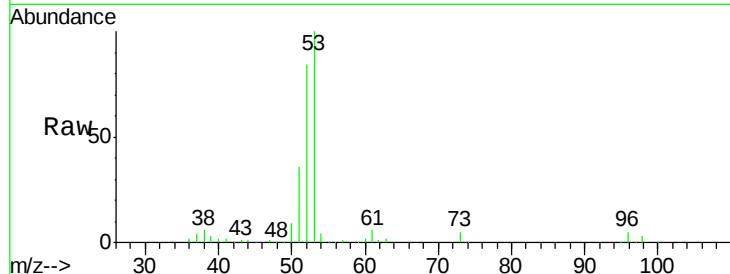
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	441693
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.4	98.2
51	35.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 222.082 ug/l

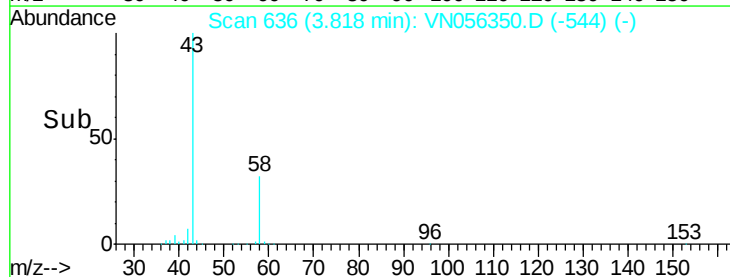
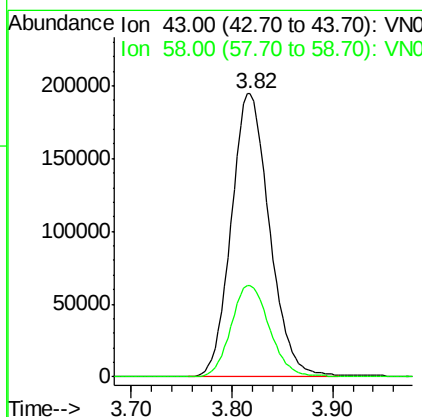
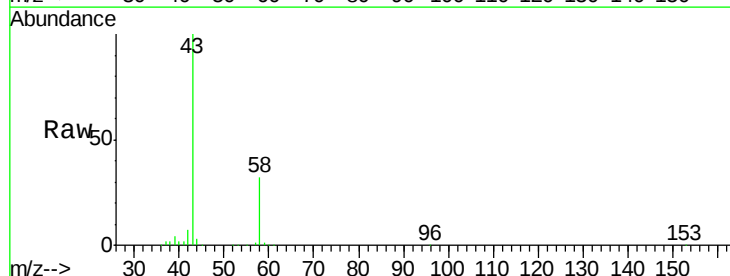
RT: 3.82 min Scan# 636

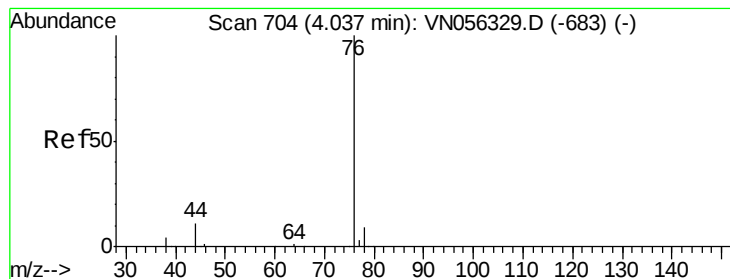
Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion:	43	Resp:	507610
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.5	39.7





#17

Carbon Disulfide

Concen: 43.176 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 394421

Ion Ratio Lower Upper

76 100

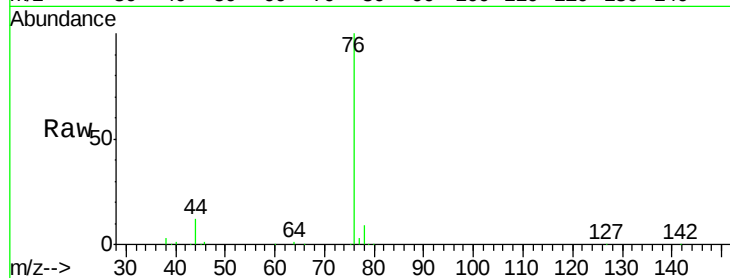
78 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.04

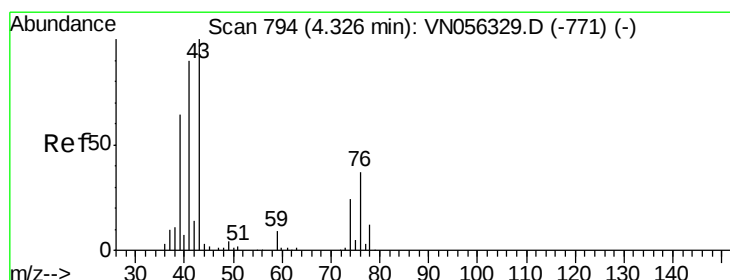
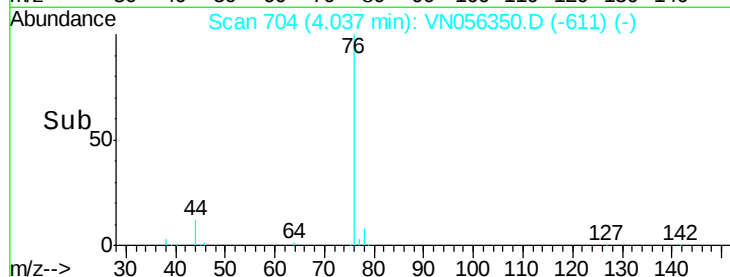
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.270 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056350.D

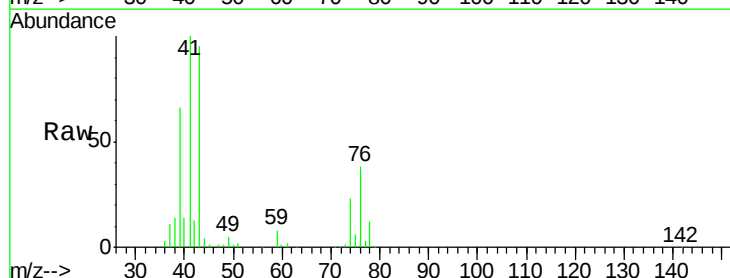
Acq: 18 Jun 2019 8:50

Tgt Ion: 43 Resp: 181037

Ion Ratio Lower Upper

43 100

74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

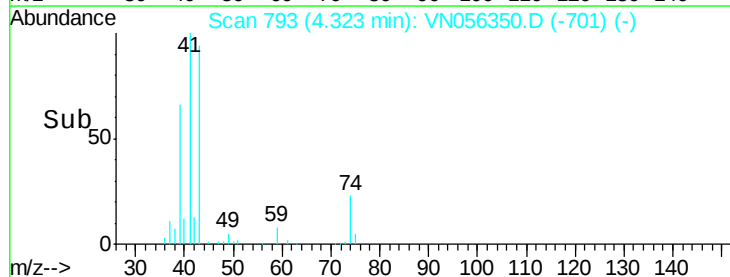
60000

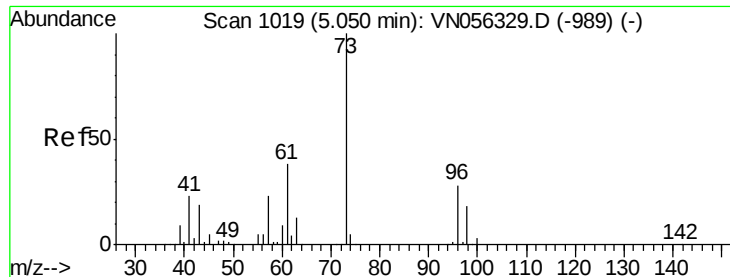
40000

20000

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Time-->





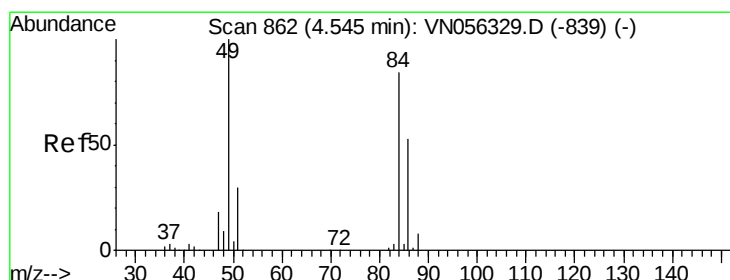
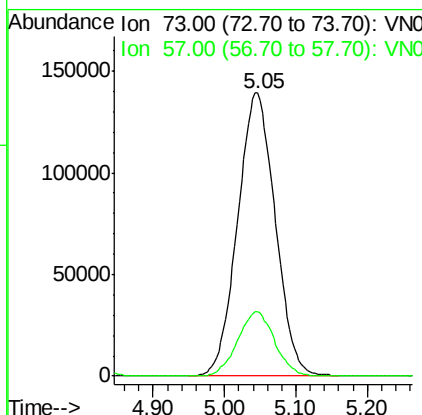
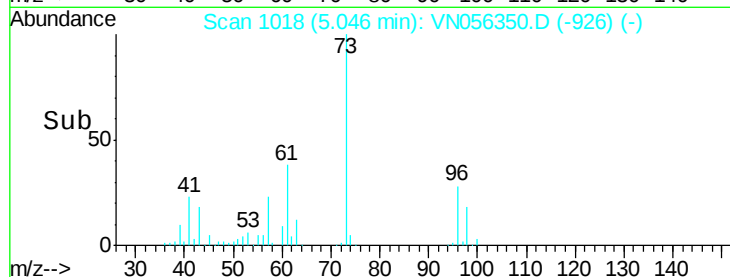
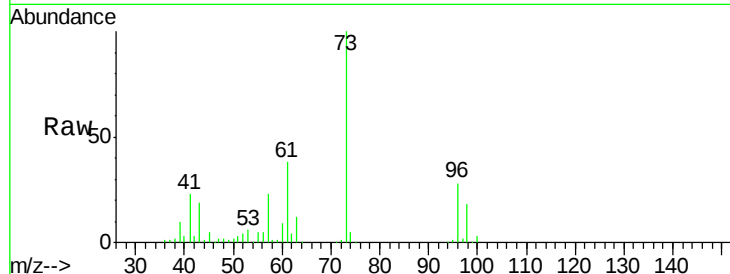
#19
Methvl tert-butvl Ether
Concen: 49.032 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 510514
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1

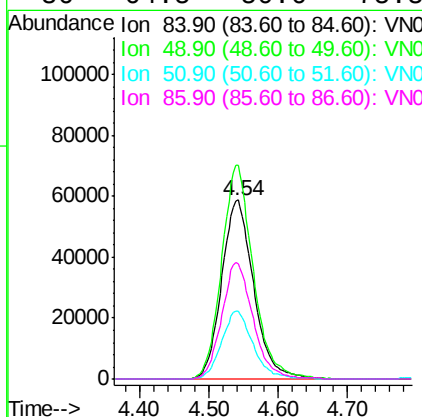
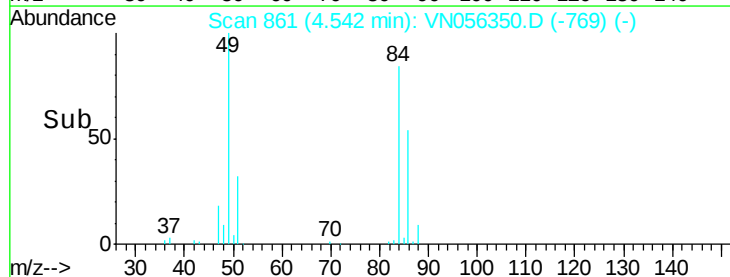
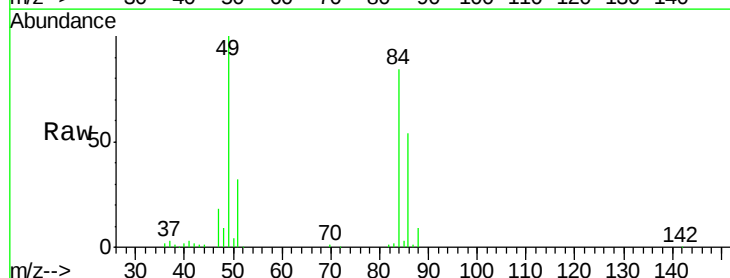
Manual Integrations
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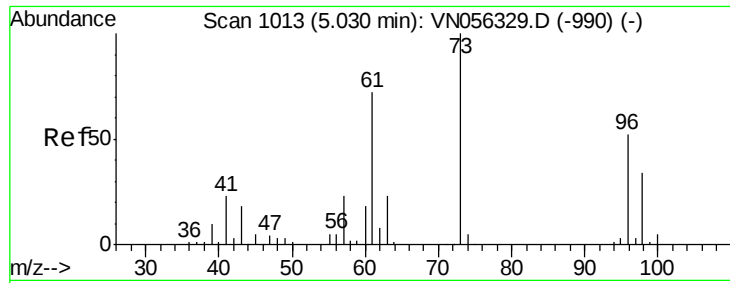
MMDadoda
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#20
Methylene Chloride
Concen: 46.833 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion: 84 Resp: 189019
Ion Ratio Lower Upper
84 100
49 119.4 95.0 142.6
51 37.8 28.2 42.4
86 64.5 50.6 75.8





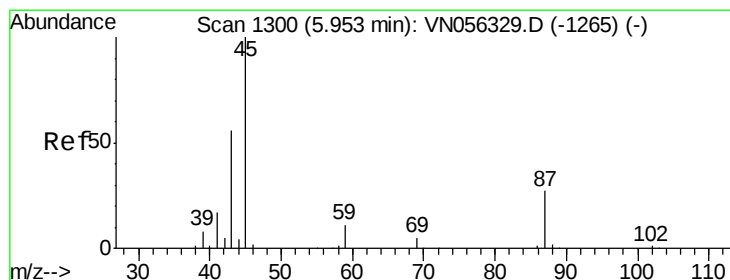
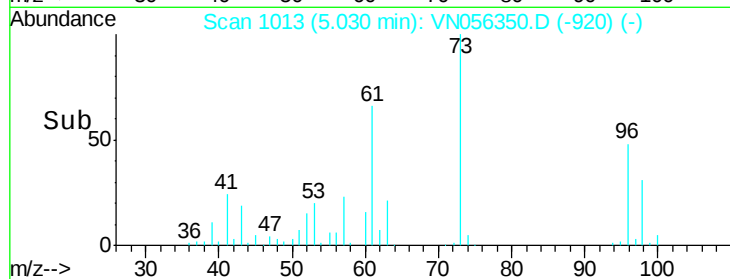
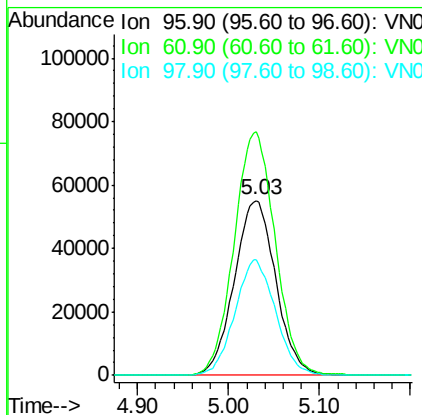
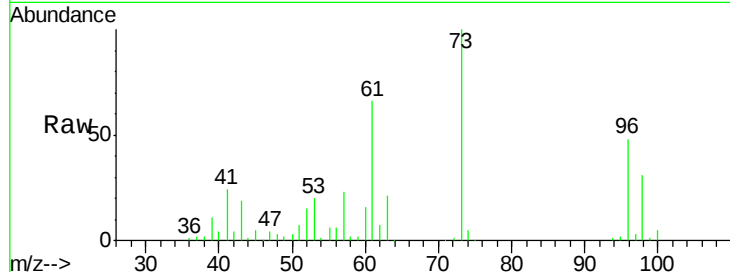
#21
trans-1,2-Dichloroethene
Concen: 48.040 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	109.8	164.6
98	65.9	52.0	78.0

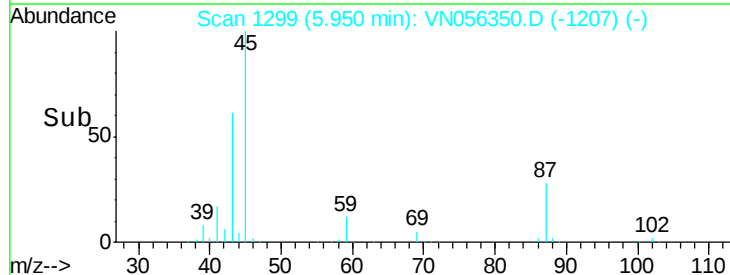
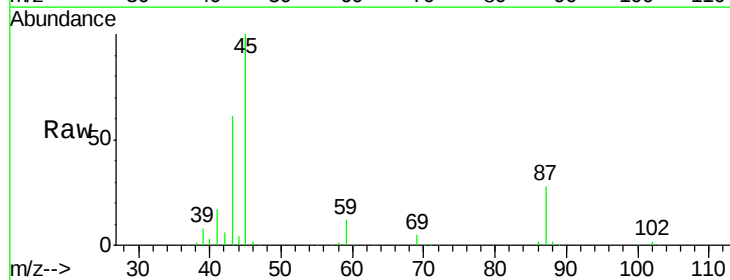
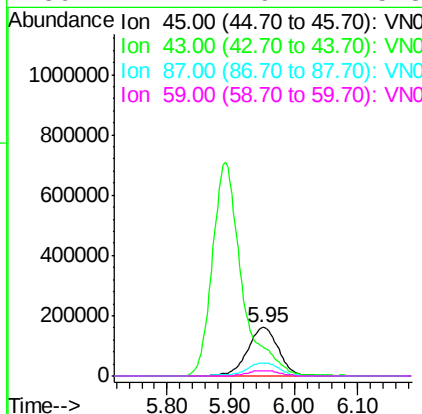
Manual Integrations
APPROVED

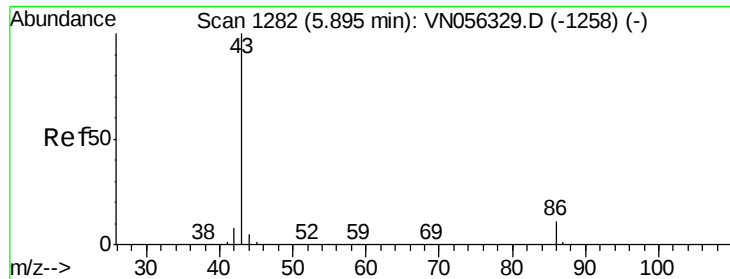
MMDadoda
6/19/2019 12:19:30 PM



#22
Diisopropyl ether
Concen: 48.892 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.0	70.6
87	27.5	22.4	33.6
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 249.597 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2285574

Ion Ratio Lower Upper

43 100

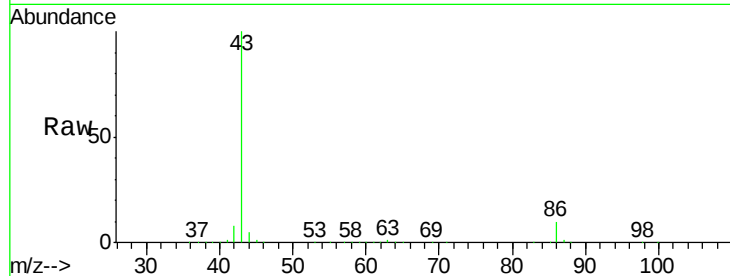
86 10.3 8.5 12.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

800000

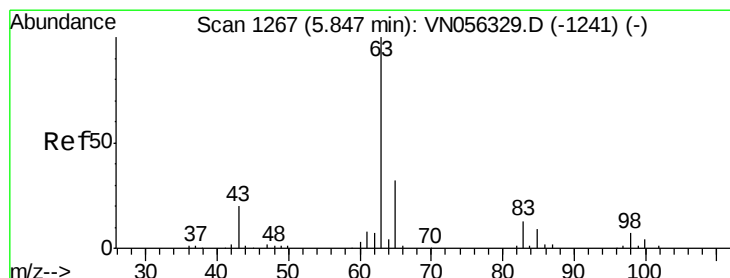
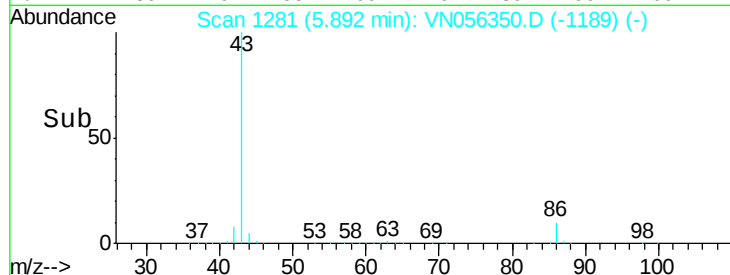
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.361 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.01 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

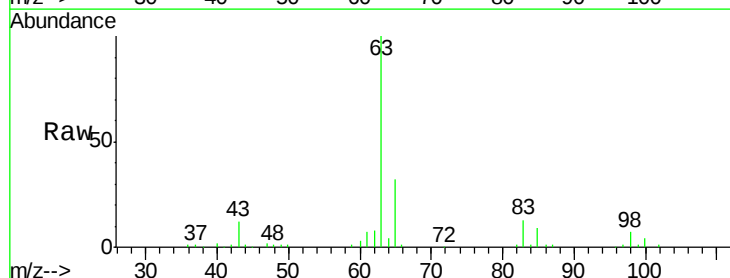
Tgt Ion: 63 Resp: 319115

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

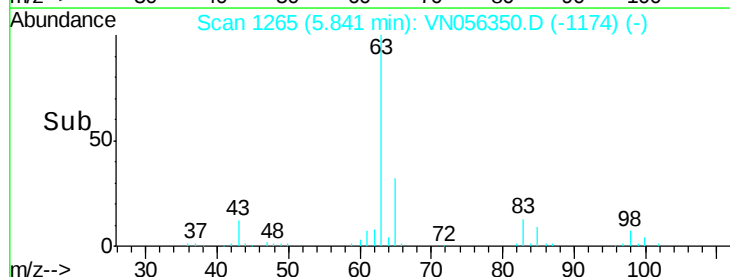
5.84

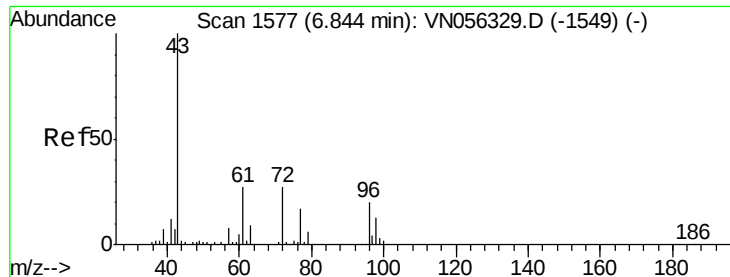
100000

50000

0

Time-->





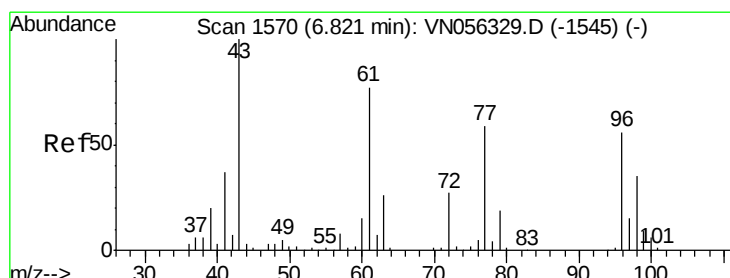
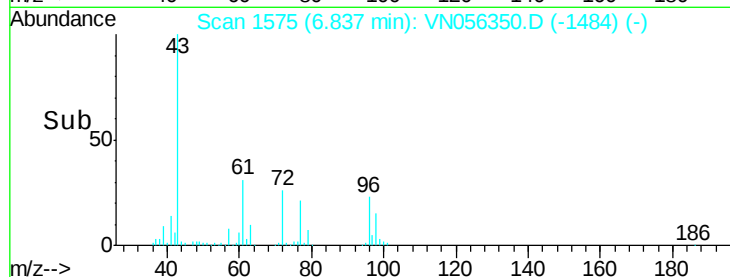
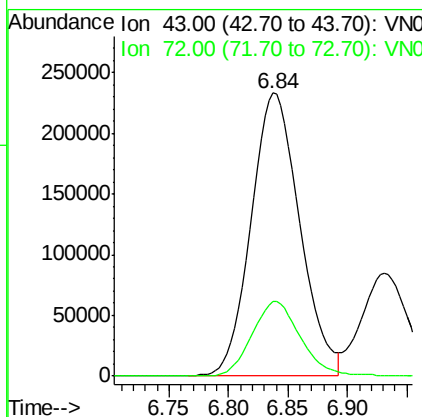
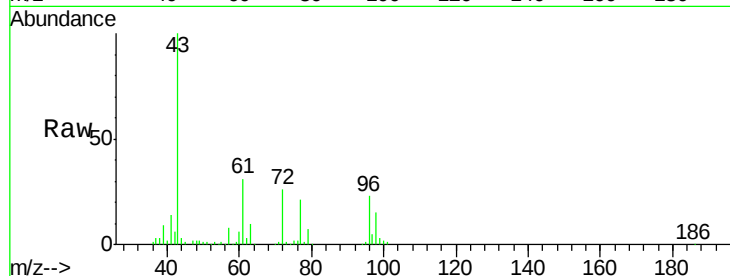
#25
2-Butanone
Concen: 237.650 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 658395
Ion Ratio Lower Upper
43 100
72 26.3 21.4 32.2

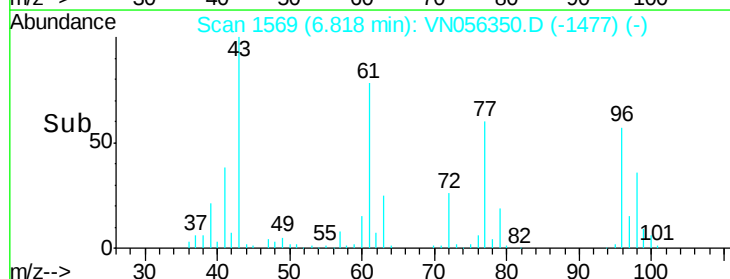
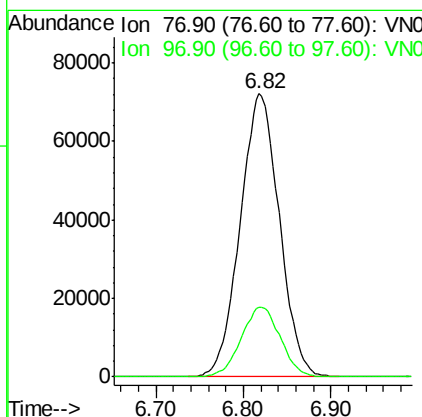
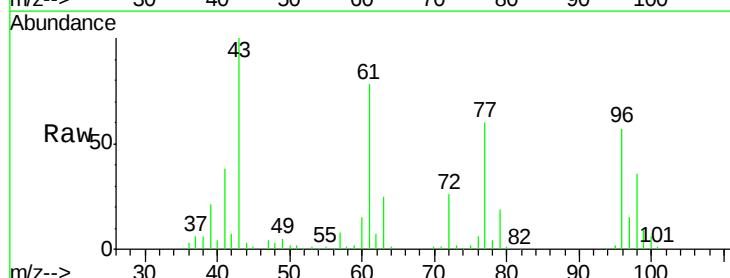
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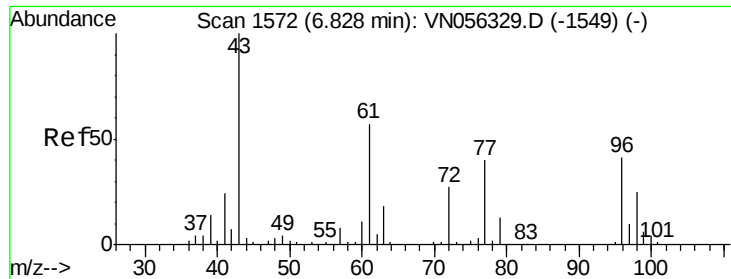
MMDadoda
6/19/2019 12:19:30 PM



#26
2,2-Dichloropropane
Concen: 46.942 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion: 77 Resp: 223993
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.028 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 202008

Ion Ratio Lower Upper

96 100

61 140.5 0.0 278.6

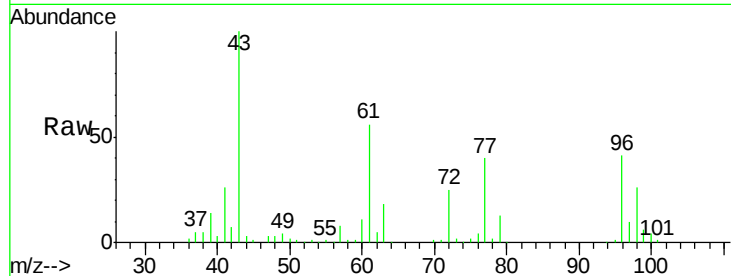
98 64.1 0.0 127.0

Manual Integrations

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MMDadoda

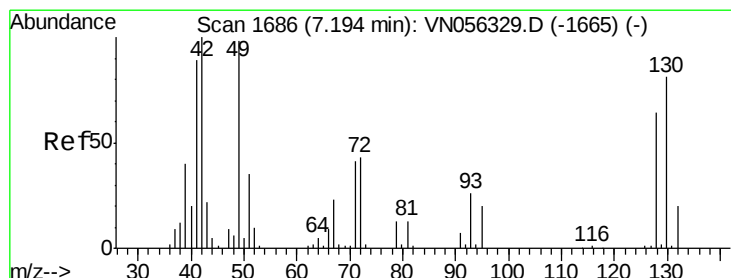
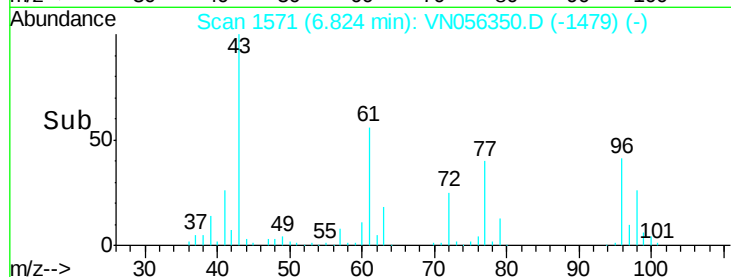
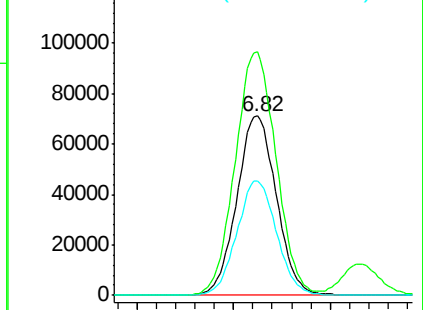
6/19/2019 12:19:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.328 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

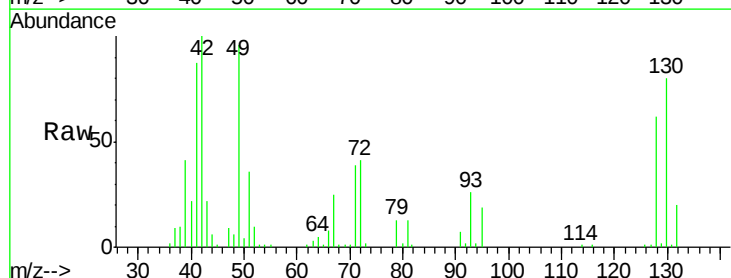
Tgt Ion: 49 Resp: 163001

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

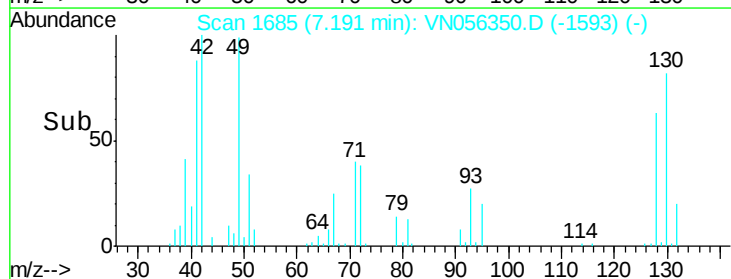
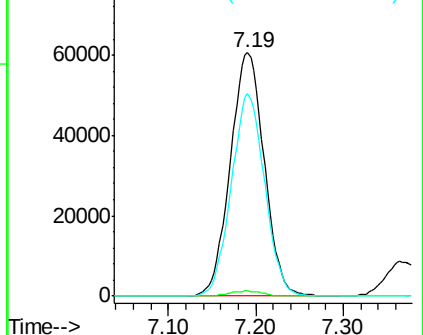
130 81.7 66.4 99.6

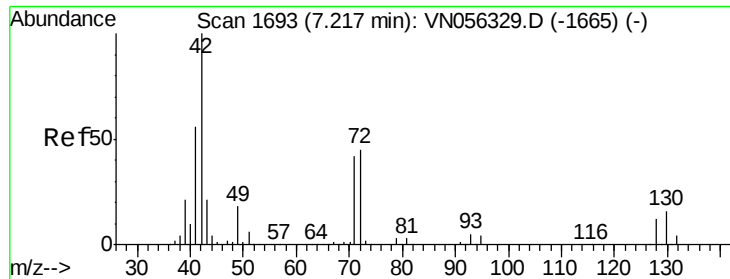


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





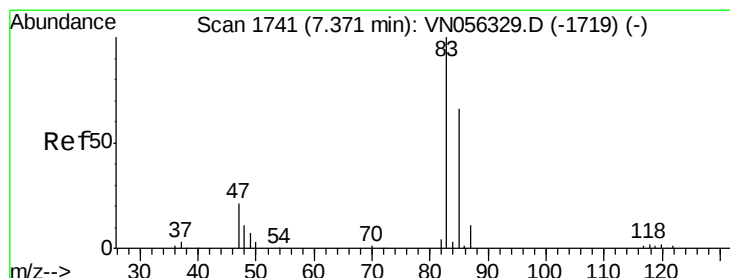
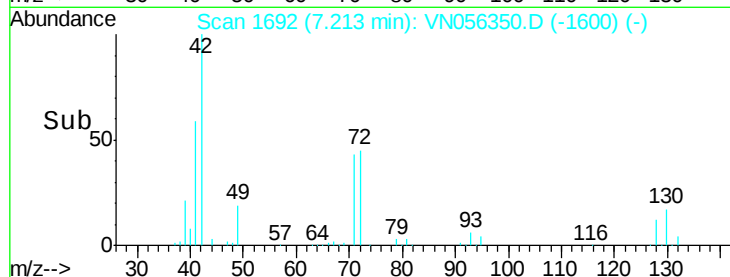
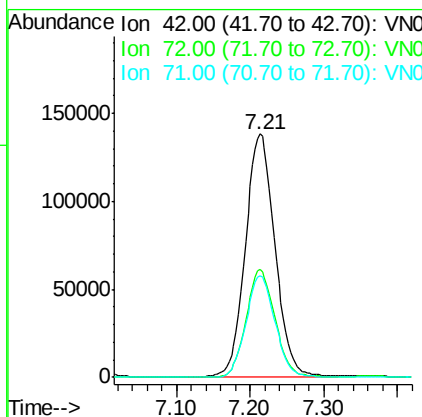
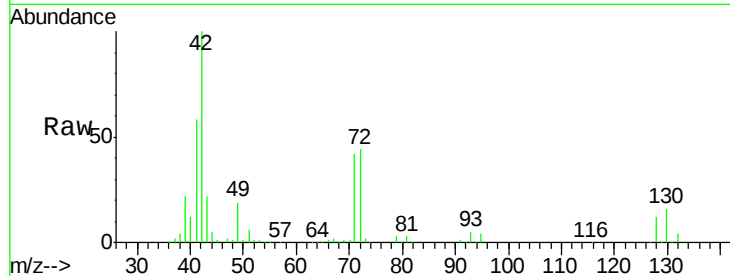
#29
Tetrahydrofuran
Concen: 236.208 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.3	52.9
71	41.0	32.7	49.1

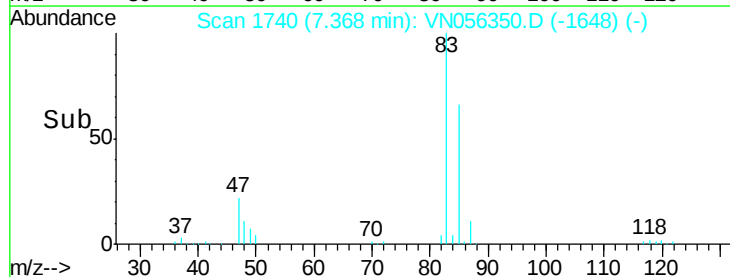
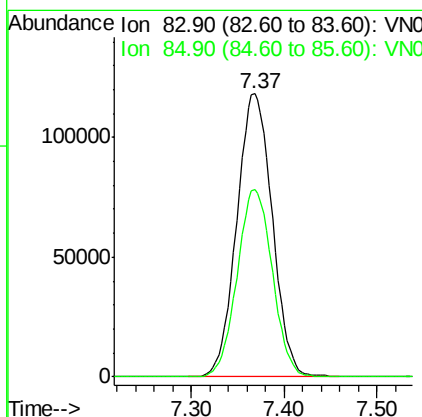
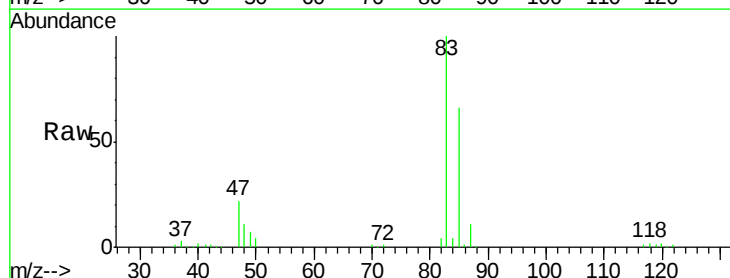
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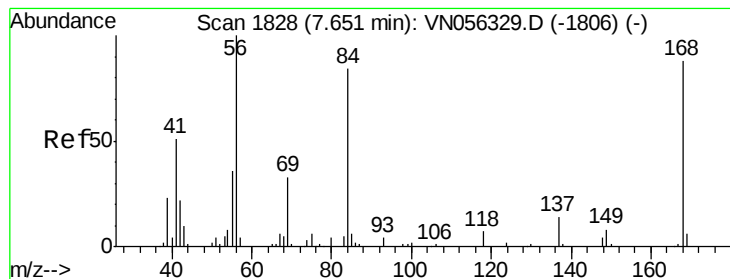
MMDadoda
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#30
Chloroform
Concen: 47.791 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	78.8





#31

Cyclohexane

Concen: 48.115 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 306757

Ion Ratio Lower Upper

56 100

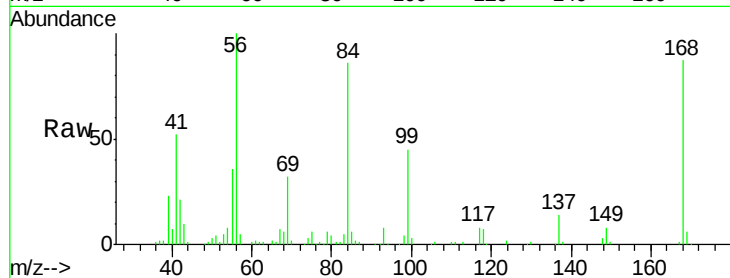
69 31.9 26.0 39.0

84 84.8 67.4 101.0

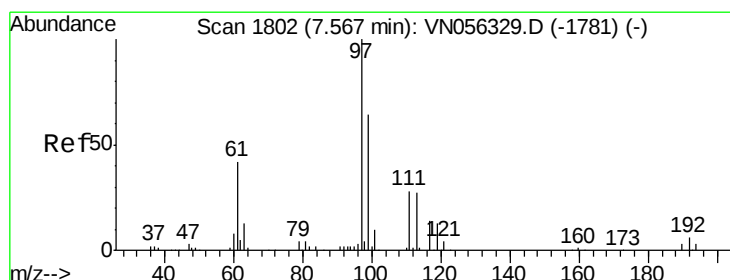
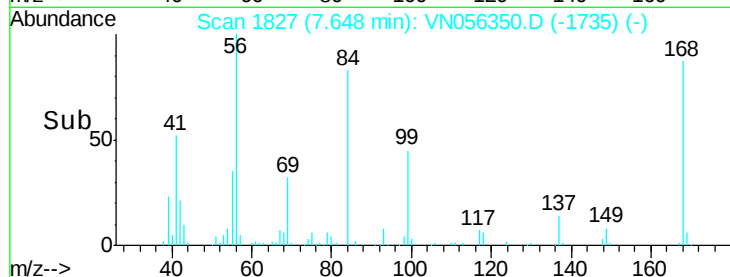
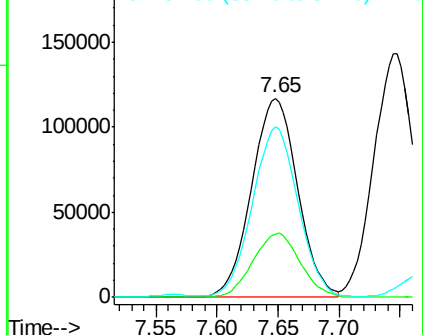
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 47.344 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

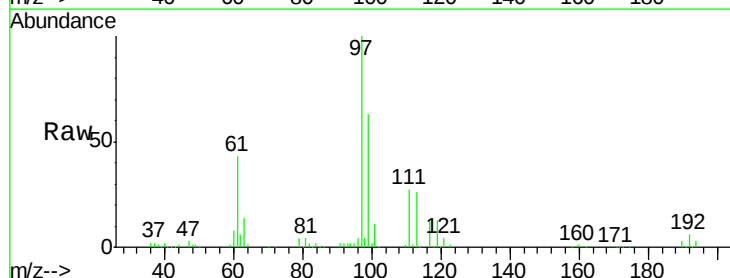
Tgt Ion: 97 Resp: 257779

Ion Ratio Lower Upper

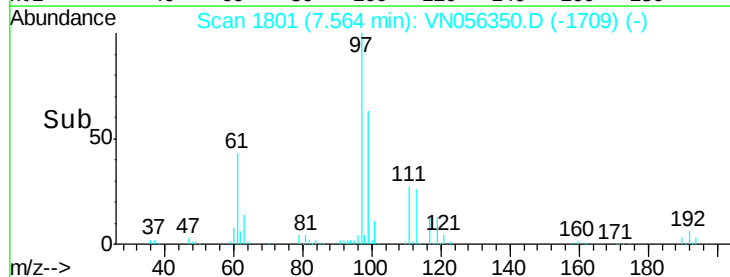
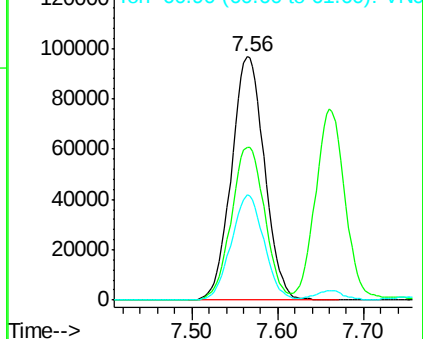
97 100

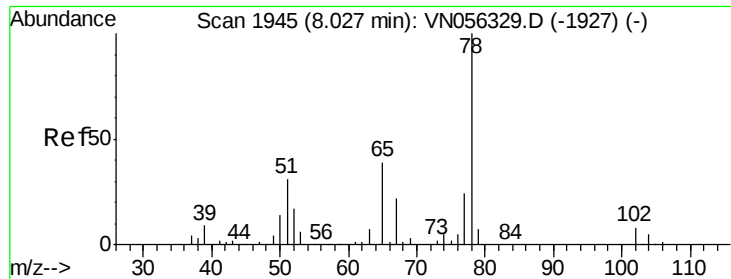
99 63.7 51.4 77.0

61 42.8 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 48.108 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 199001

Ion Ratio Lower Upper

65 100

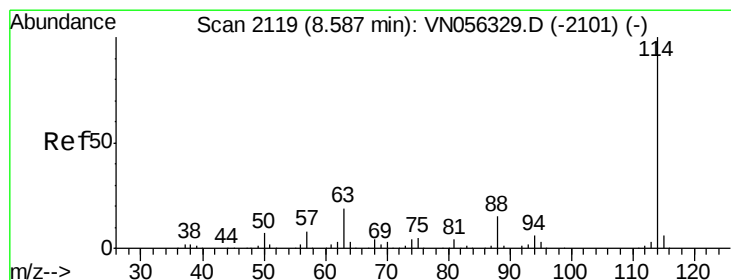
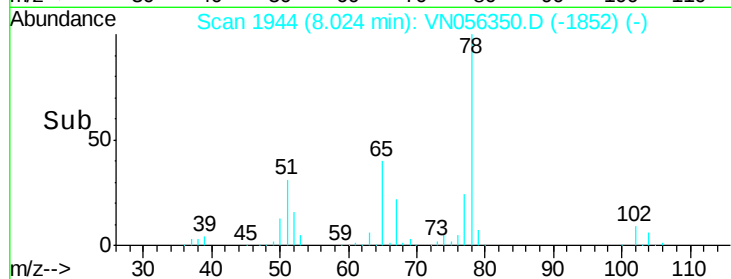
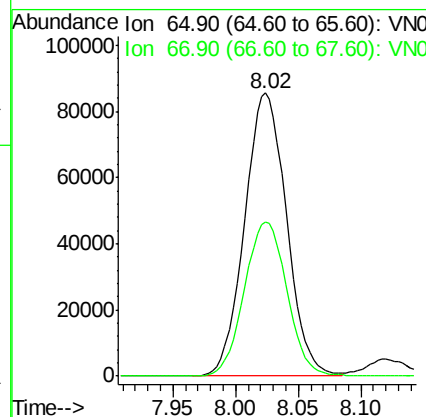
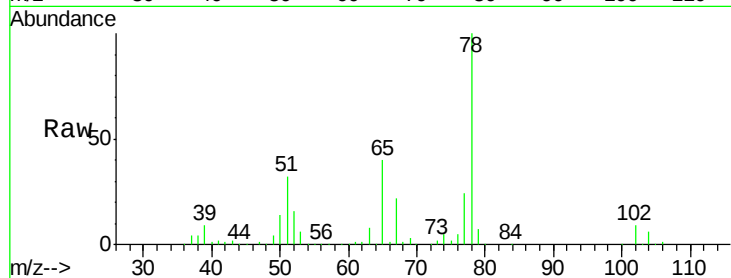
67 55.5 0.0 110.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

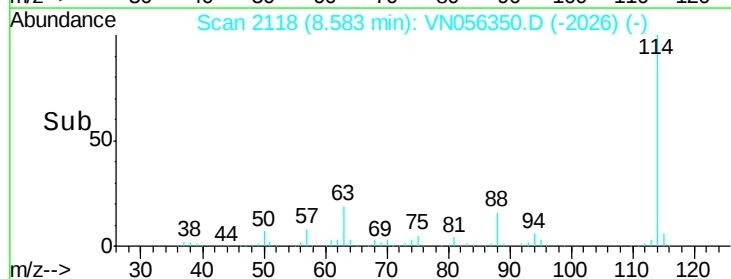
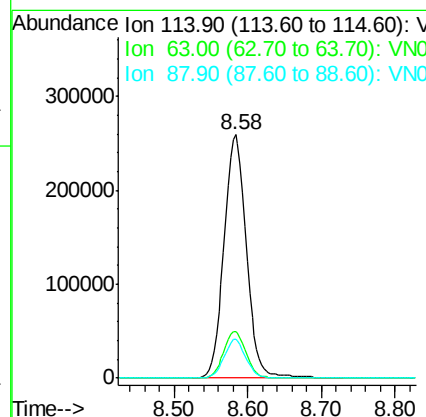
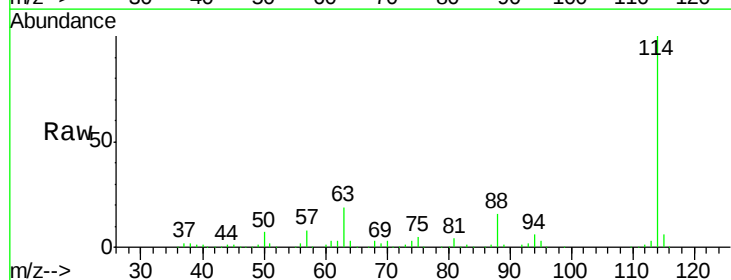
Tgt Ion: 114 Resp: 550163

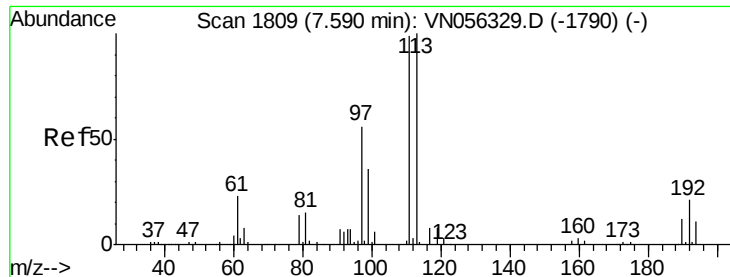
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

88 16.1 0.0 30.6





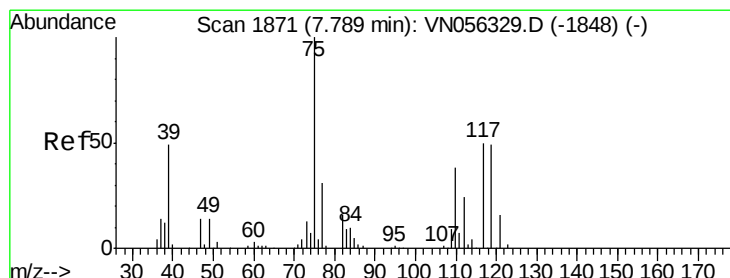
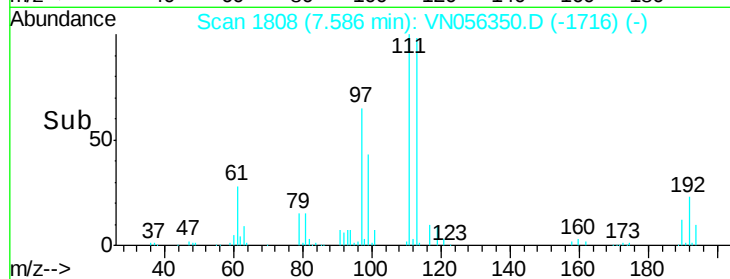
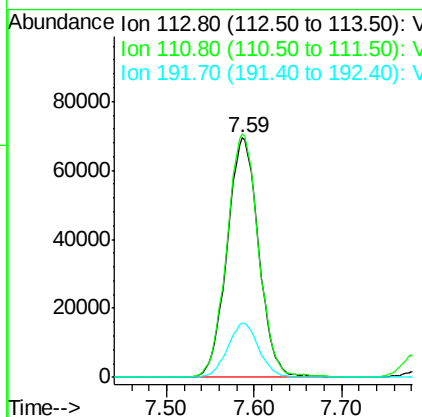
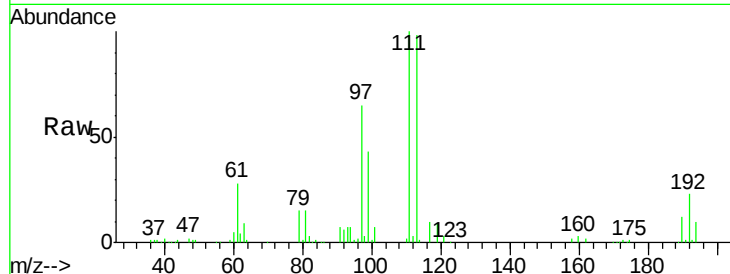
#35
 Dibromofluoromethane
 Concen: 49.330 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174040		
111	102.0	82.1	123.1	
192	22.4	17.6	26.4	

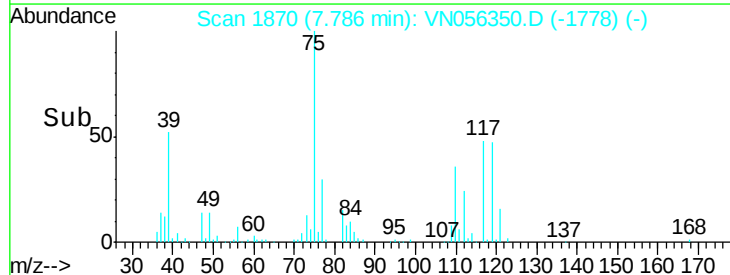
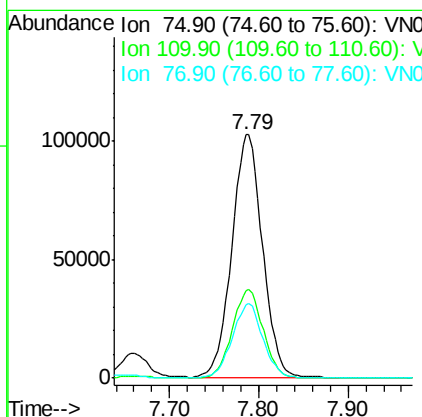
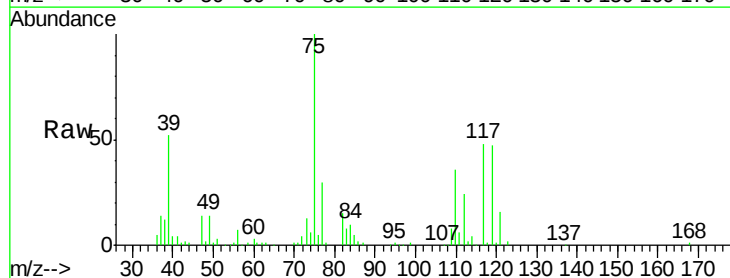
Manual Integrations
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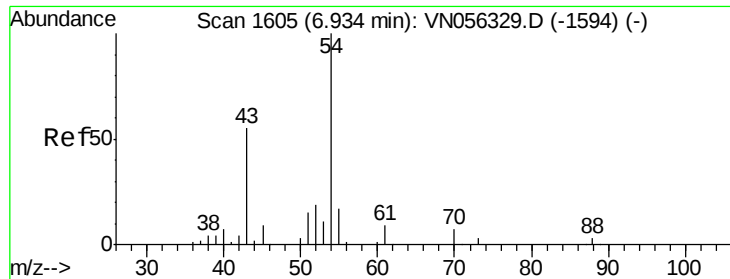
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#36
 1,1-Dichloropropene
 Concen: 49.345 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244299		
110	36.5	18.6	56.0	
77	30.7	25.0	37.6	





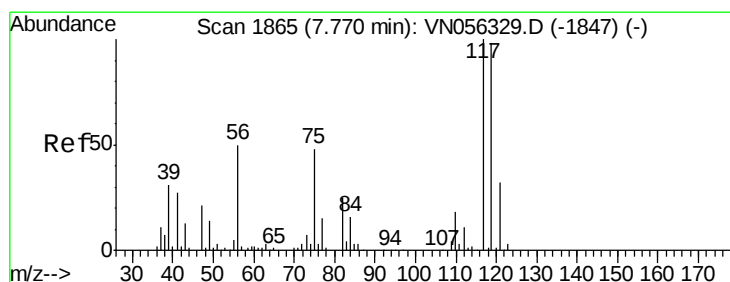
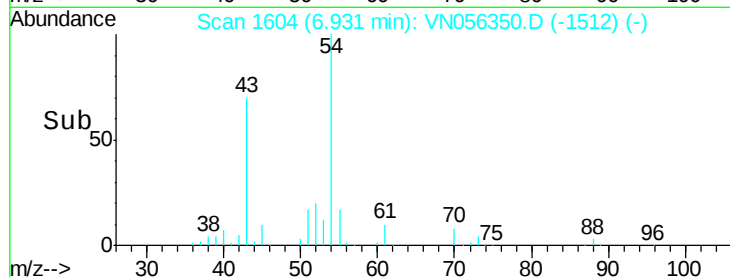
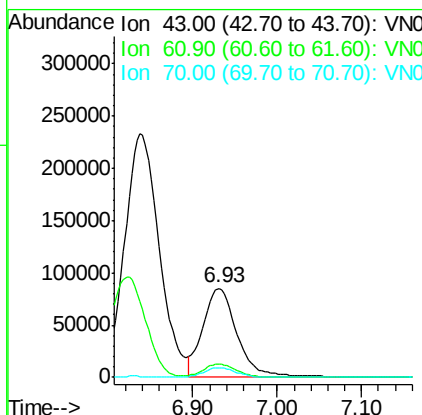
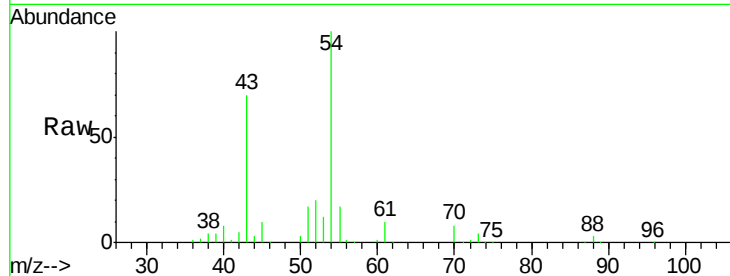
#37
Ethyl Acetate
Concen: 50.091 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	10.8	8.3	12.5

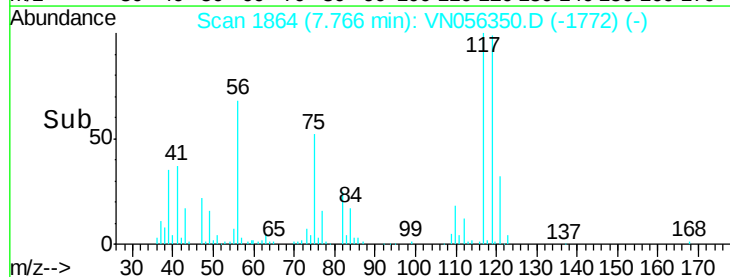
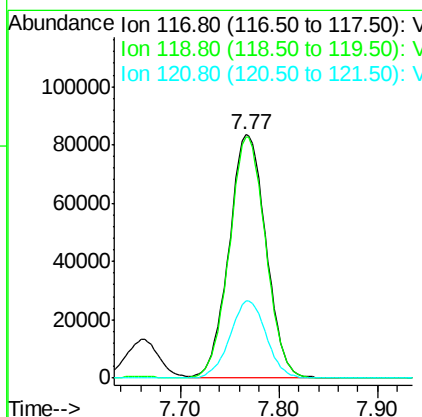
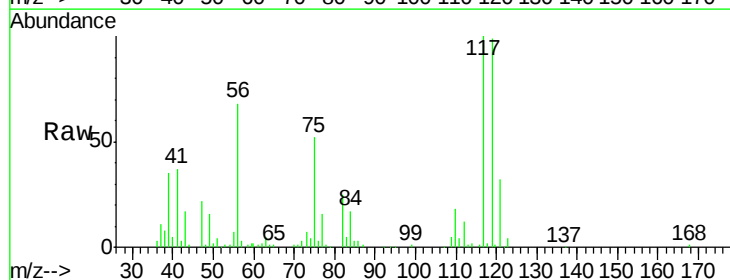
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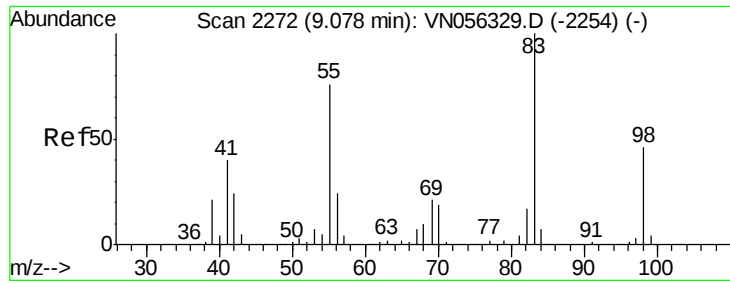
MMDadoda
6/19/2019 12:19:30 PM



#38
Carbon Tetrachloride
Concen: 45.868 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.8	116.8
121	31.5	25.3	37.9





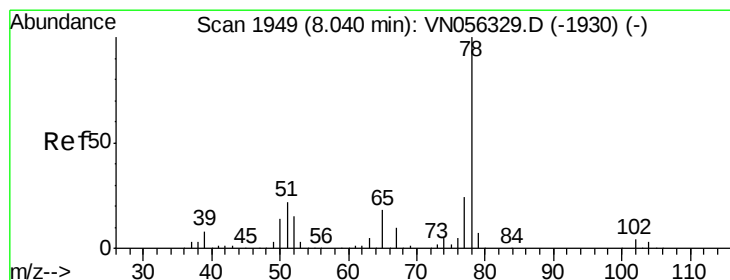
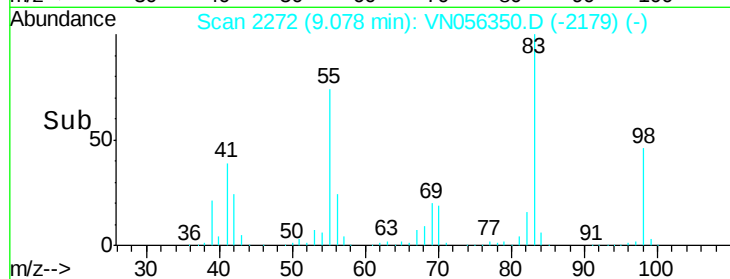
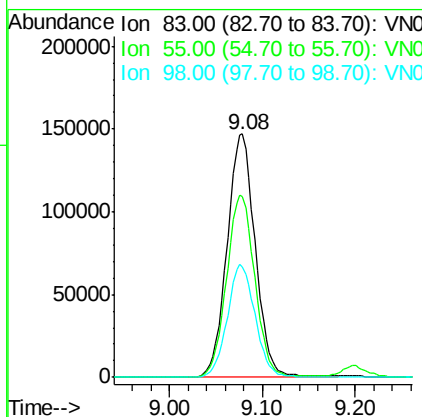
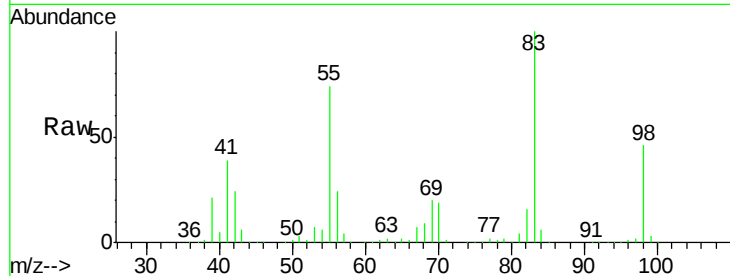
#39
Methvlcvclohexane
Concen: 51.367 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.4	60.8	91.2	
98	45.5	36.8	55.2	

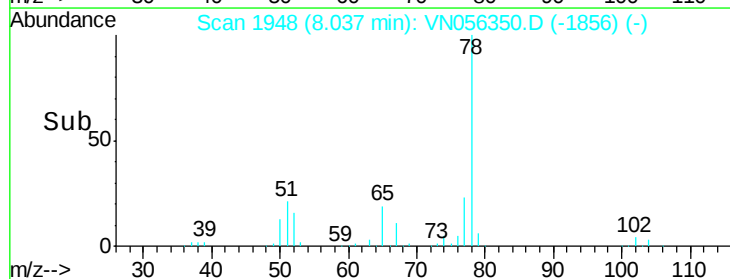
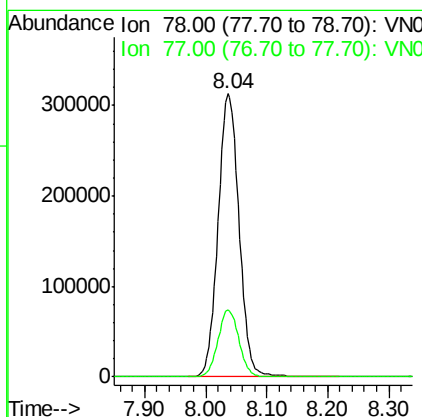
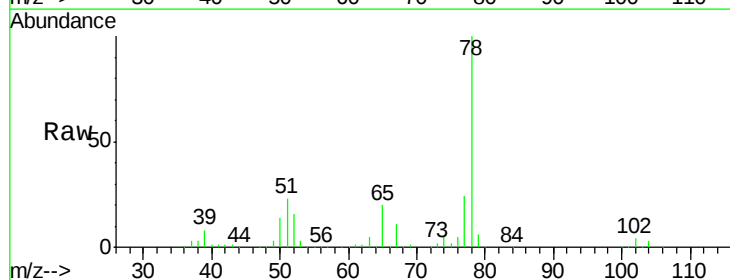
Manual Integrations
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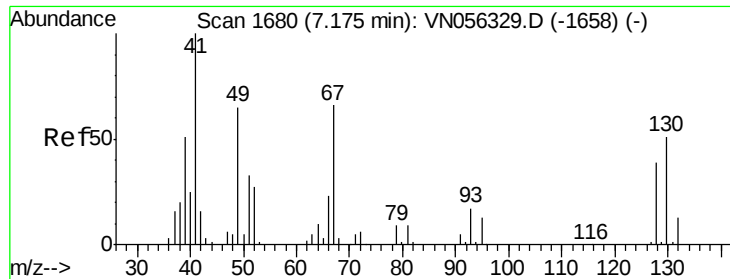
MMDadoda
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#40
Benzene
Concen: 49.579 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.2	28.8	





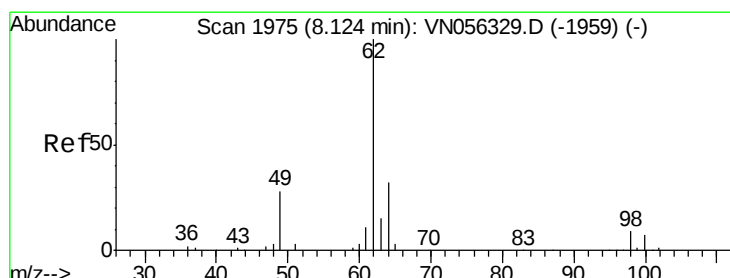
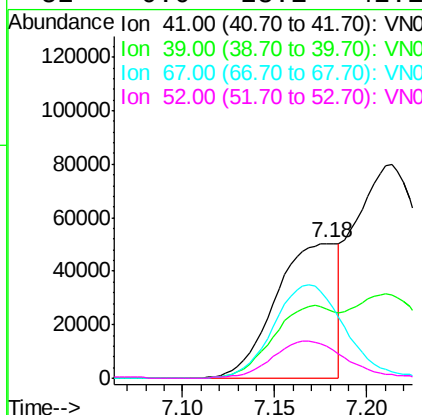
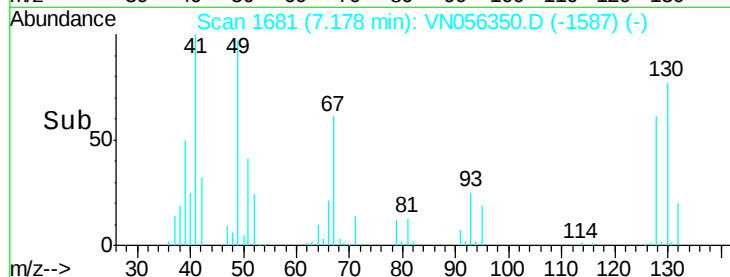
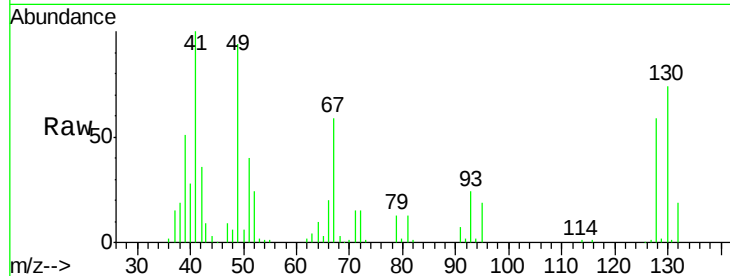
#41
Methacrylonitrile
Concen: 55.037 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.5	66.7#
67	0.0	69.0	103.4#
52	0.0	28.1	42.1#

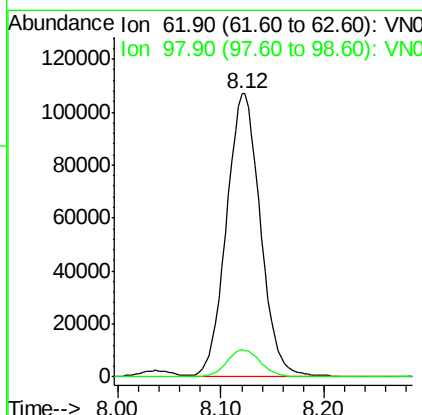
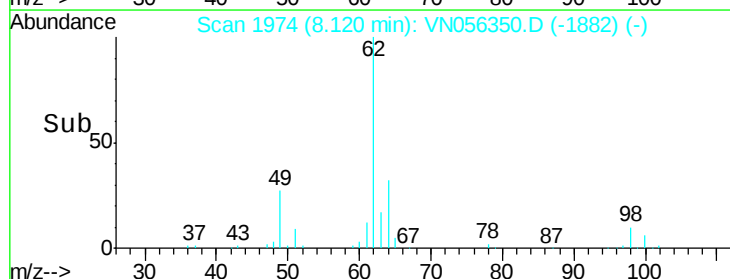
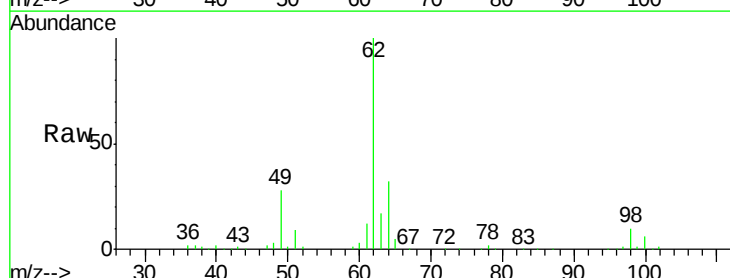
Manual Integrations
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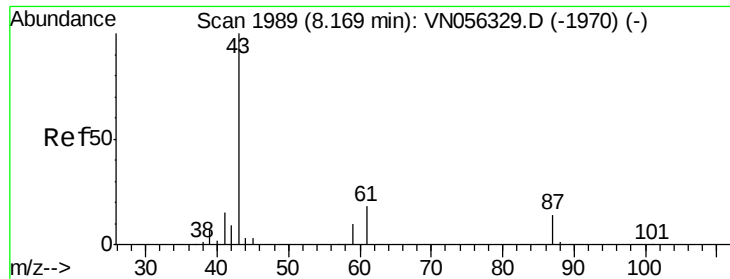
MMDadoda
6/19/2019 12:19:30 PM



#42
1,2-Dichloroethane
Concen: 49.506 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 47.526 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

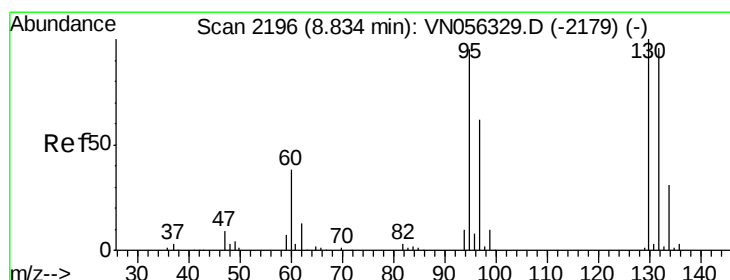
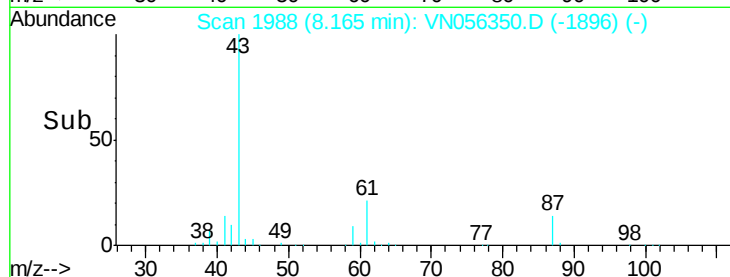
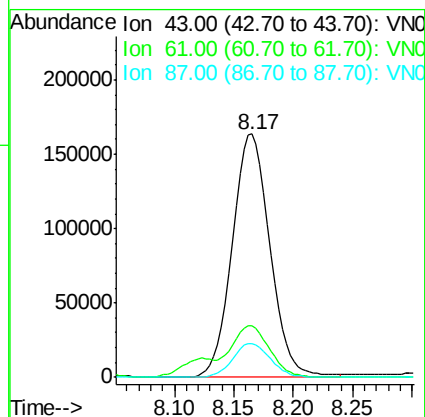
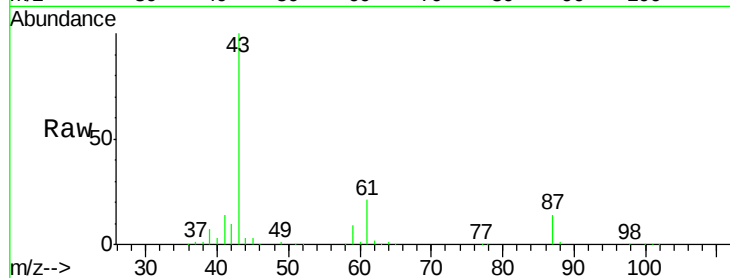
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	356695
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.6	25.0
87	14.2	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 50.107 ug/l

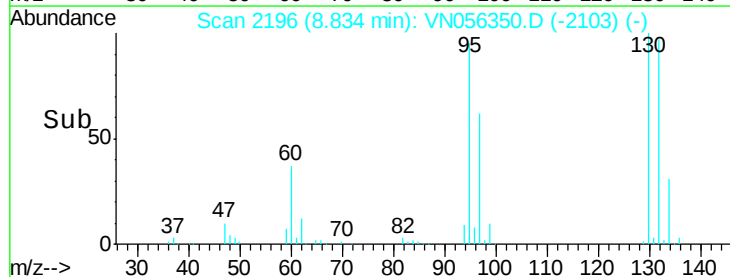
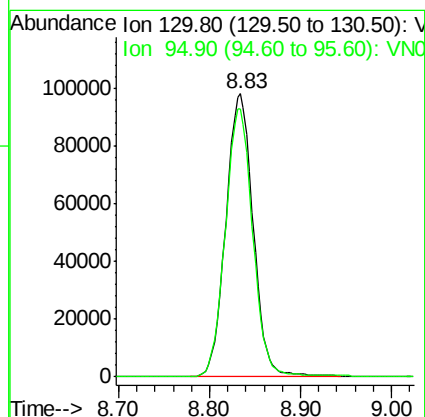
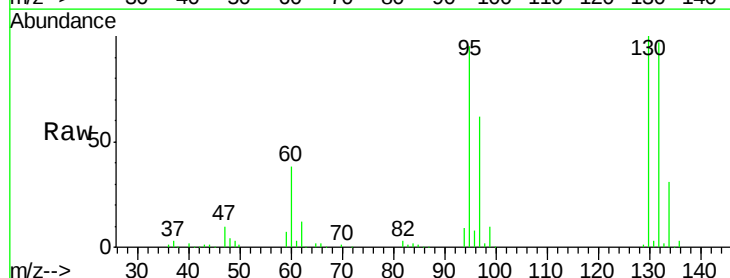
RT: 8.83 min Scan# 2196

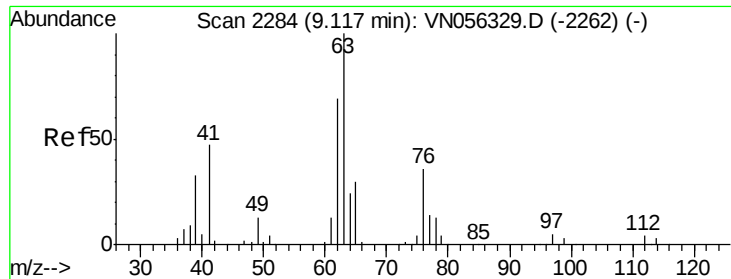
Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion:	130	Resp:	204645
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	190.4





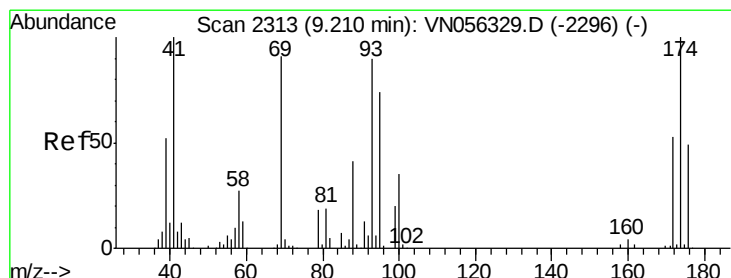
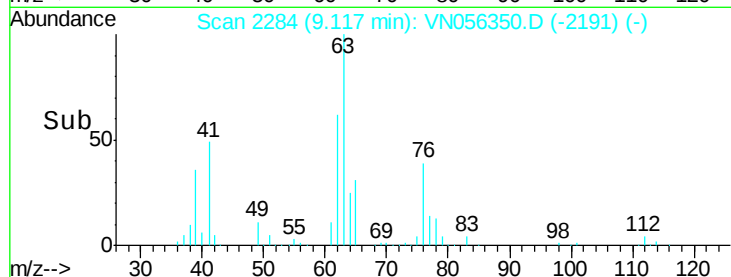
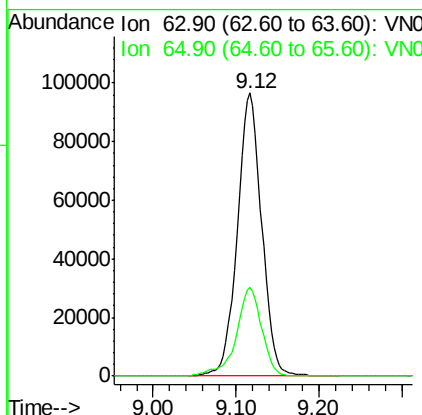
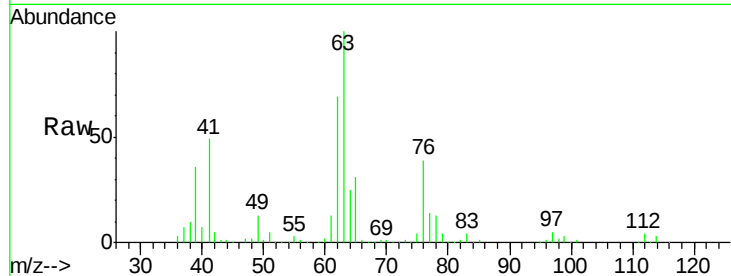
#45
 1,2-Dichloropropane
 Concen: 49.895 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 63 Resp: 198038
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6

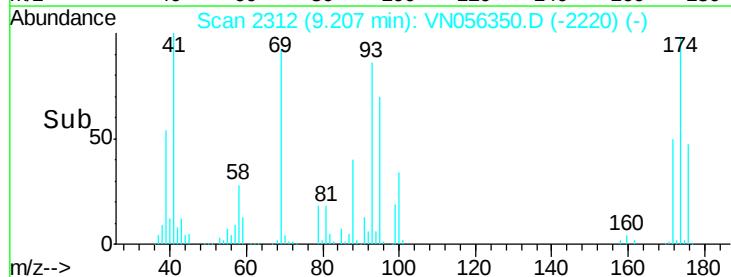
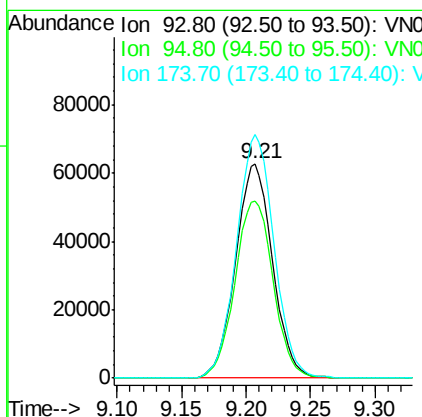
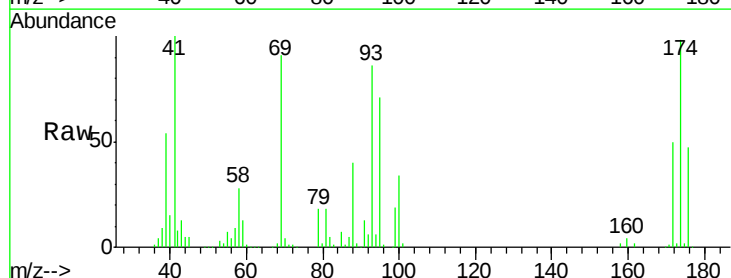
Manual Integrations
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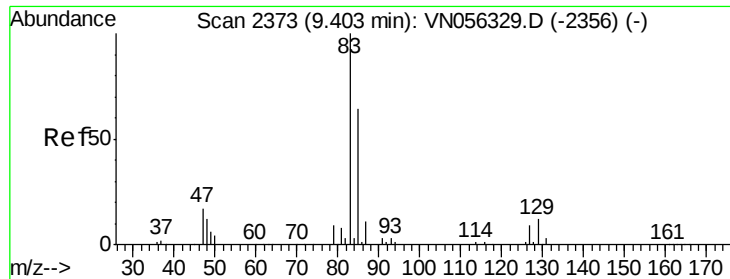
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 6/19/2019 12:19:30 PM



#46
 Dibromomethane
 Concen: 47.649 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion: 93 Resp: 125678
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.2 100.8
 174 114.6 90.3 135.5





#47

Bromodichloromethane

Concen: 46.575 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

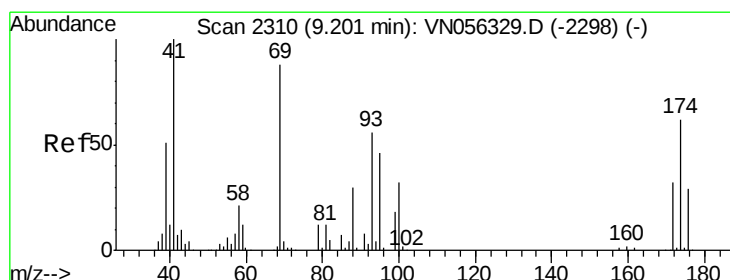
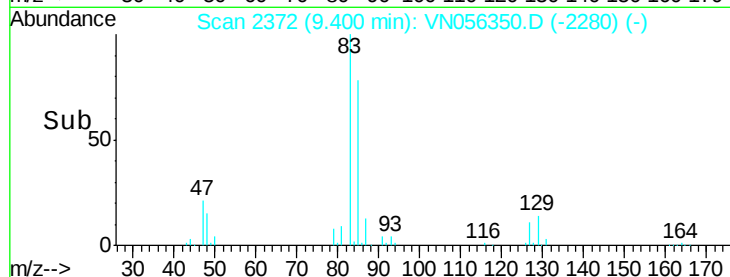
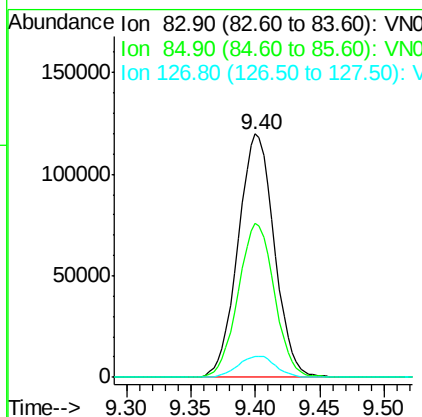
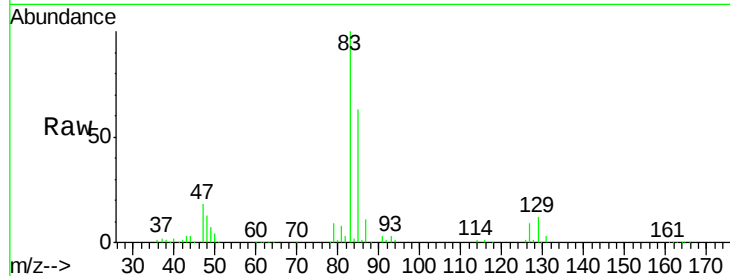
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	234695
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.1	76.7
127	8.7	7.1	10.7

Manual Integrations
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6/19/2019 12:19:30 PM



#48

Methyl methacrylate

Concen: 46.097 ug/l

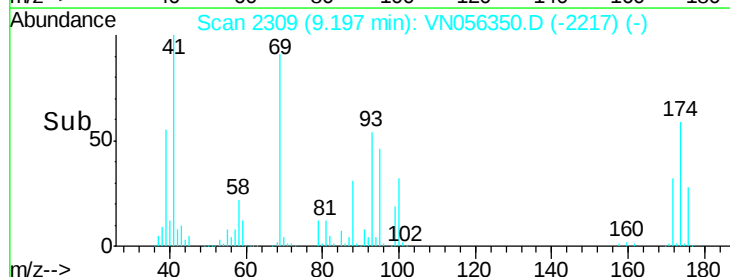
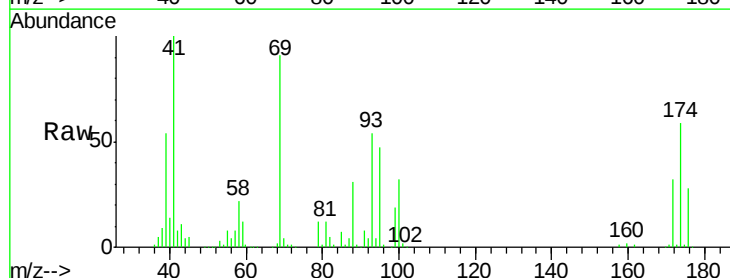
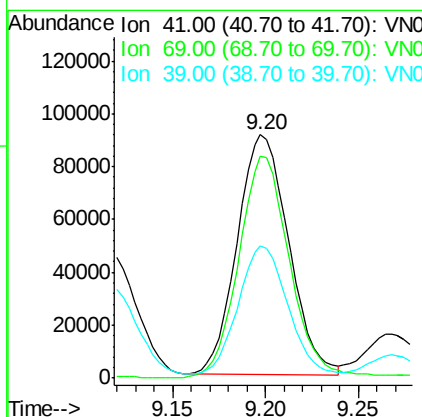
RT: 9.20 min Scan# 2309

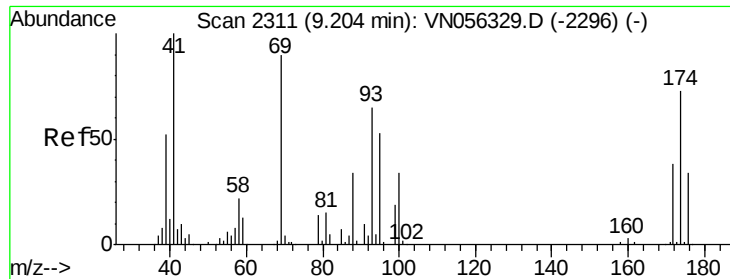
Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion:	41	Resp:	174551
Ion Ratio	Lower	Upper	
41	100		
69	93.2	71.0	106.6
39	54.5	41.7	62.5





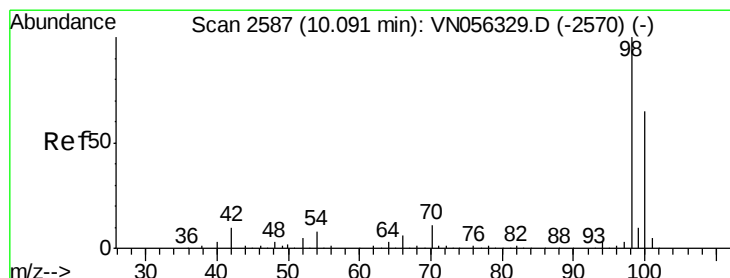
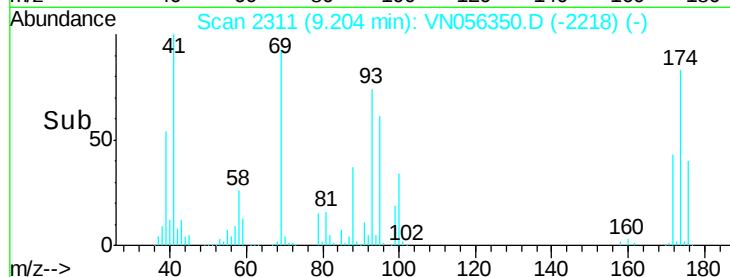
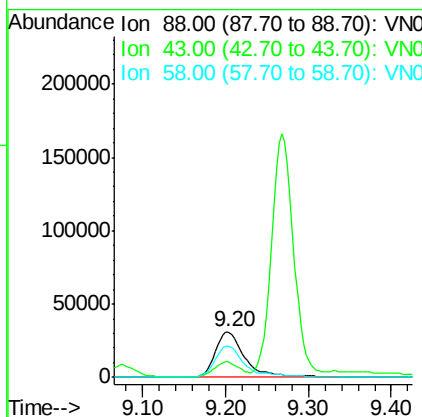
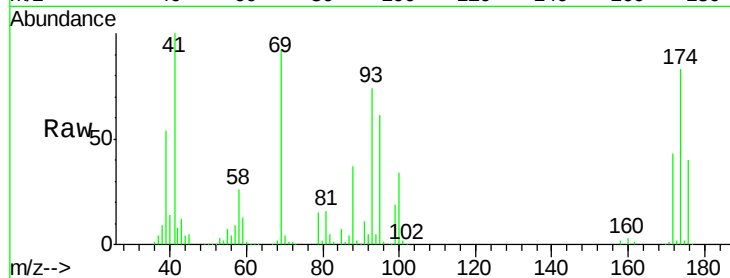
#49
1,4-Dioxane
Concen: 1000.883 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 76453
Ion Ratio Lower Upper
88 100
43 27.5 21.9 32.9
58 72.1 57.3 85.9

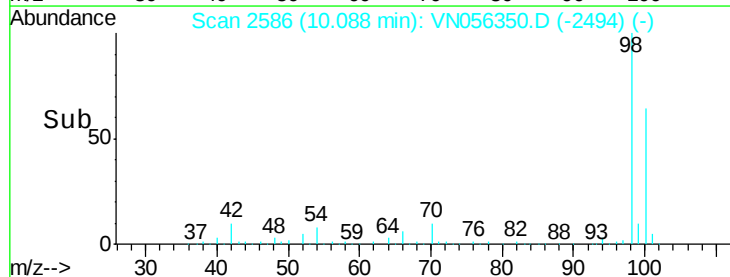
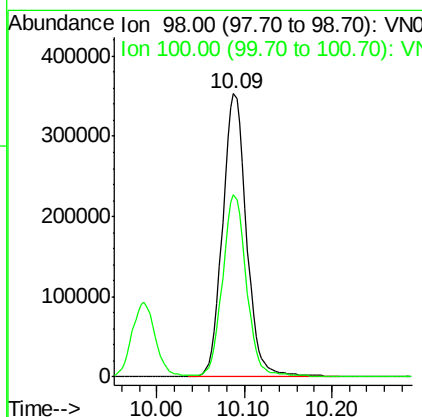
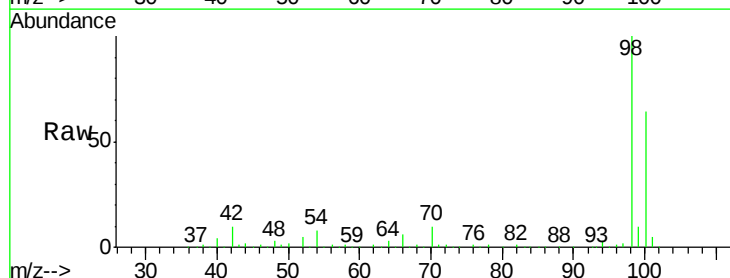
Manual Integrations
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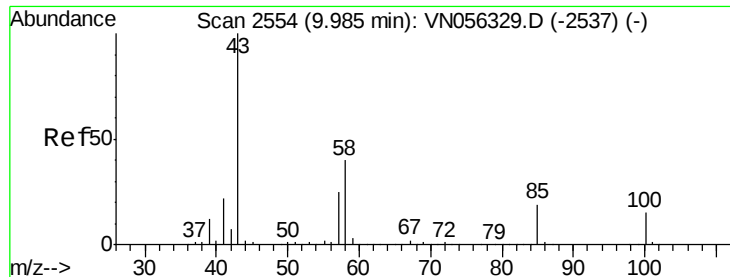
MMDadoda
6/19/2019 12:19:30 PM



#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion: 98 Resp: 672039
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 242.293 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1158971

Ion Ratio Lower Upper

43 100

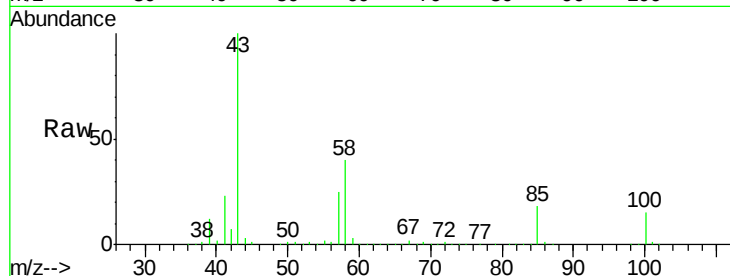
58 39.6 31.8 47.6

Manual Integrations

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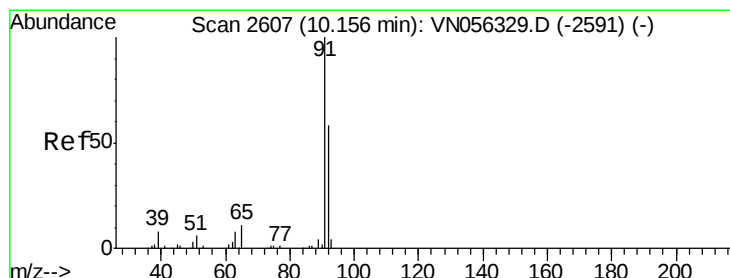
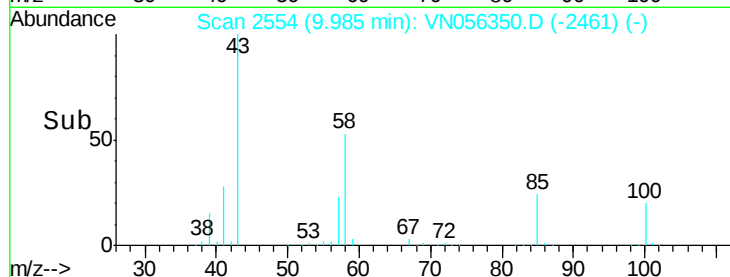
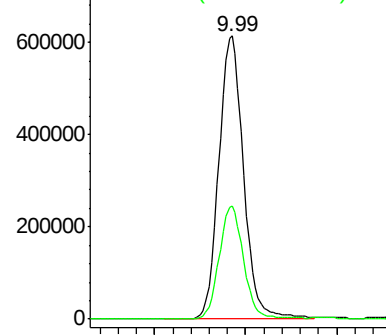
MMDadoda

6/19/2019 12:19:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.035 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056350.D

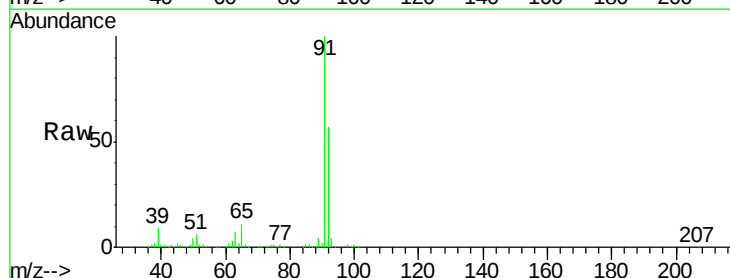
Acq: 18 Jun 2019 8:50

Tgt Ion: 92 Resp: 458652

Ion Ratio Lower Upper

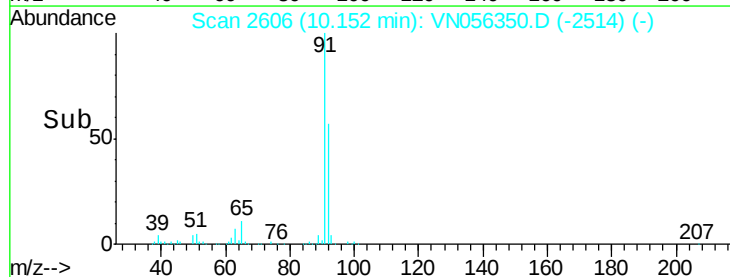
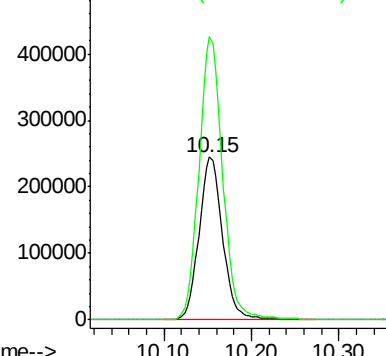
92 100

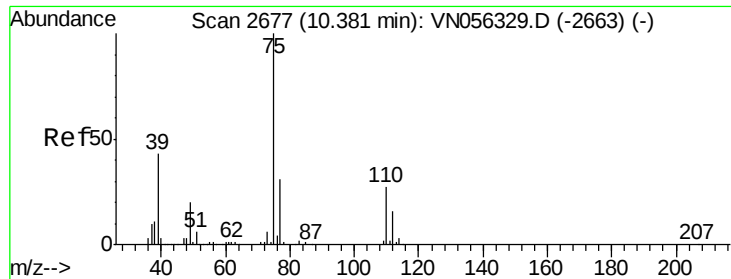
91 175.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





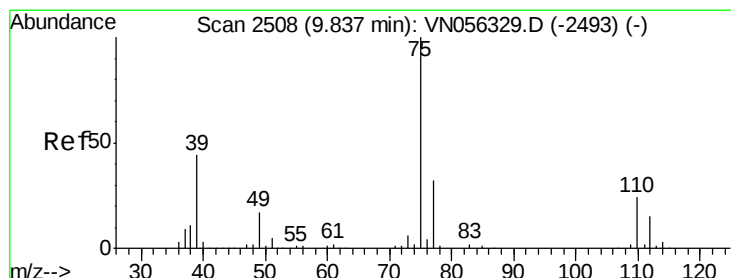
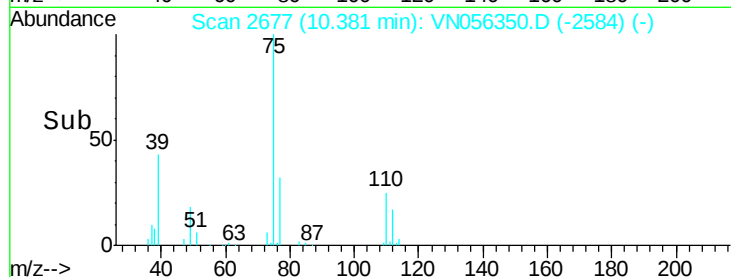
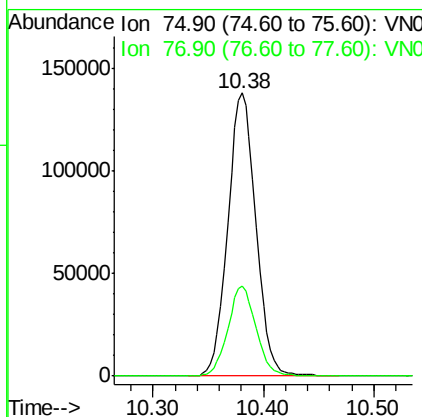
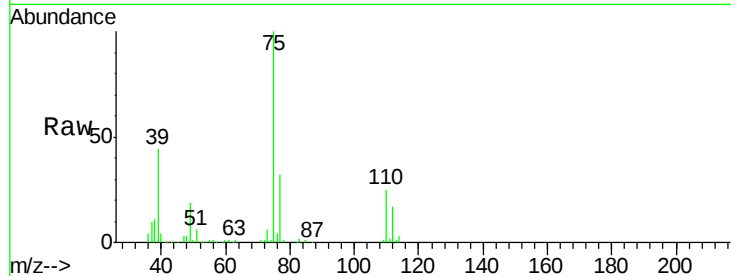
#53
 t-1,3-Dichloropropene
 Concen: 48.646 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 243403
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

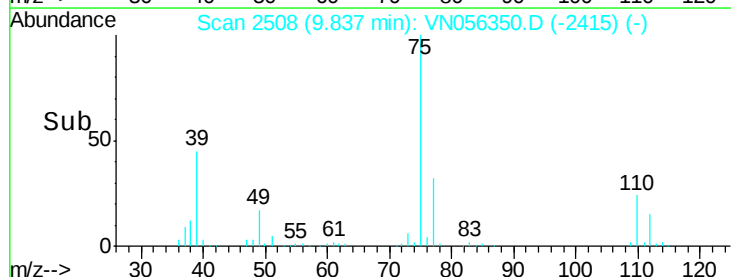
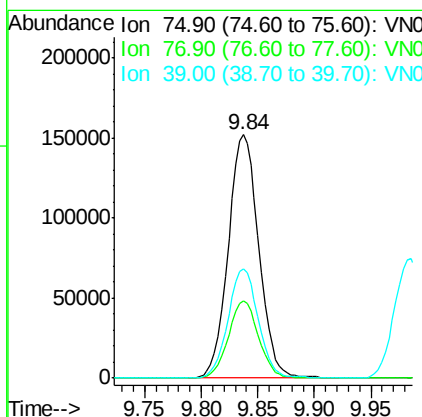
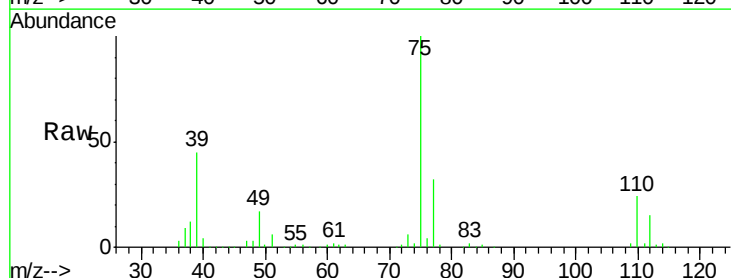
Manual Integrations
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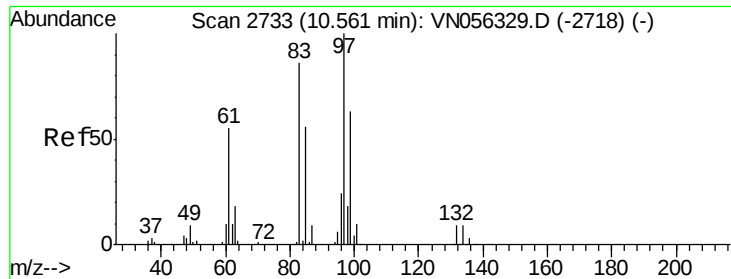
MMDadoda
 6/19/2019 12:19:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.417 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion: 75 Resp: 285197
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5
 39 45.1 35.4 53.0





#55

1,1,2-Trichloroethane

Concen: 48.951 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

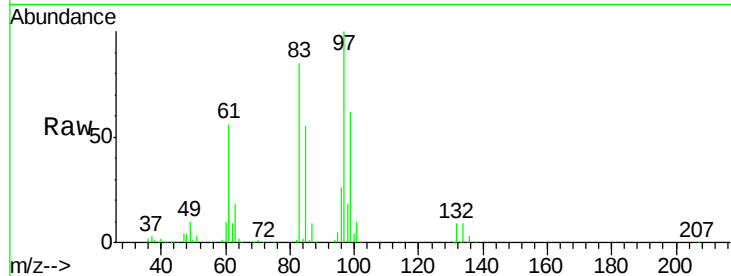
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	184414
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.0	103.4
85	55.4	44.6	67.0
99	61.9	50.5	75.7

Manual Integrations
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6/19/2019 12:19:30 PM



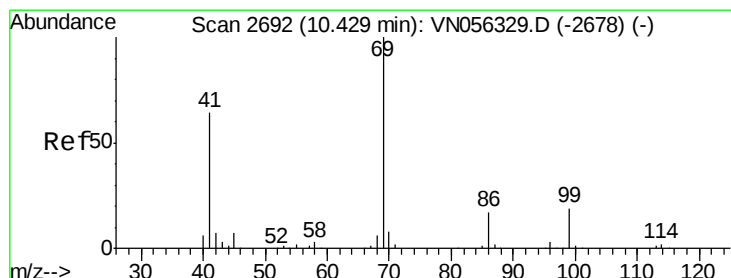
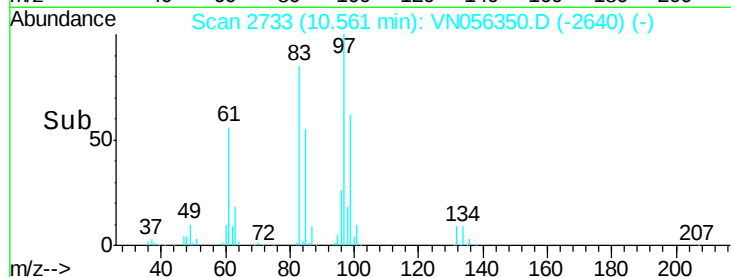
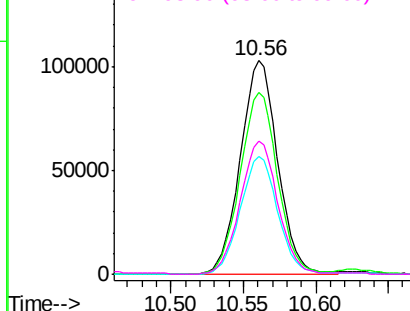
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.391 ug/l

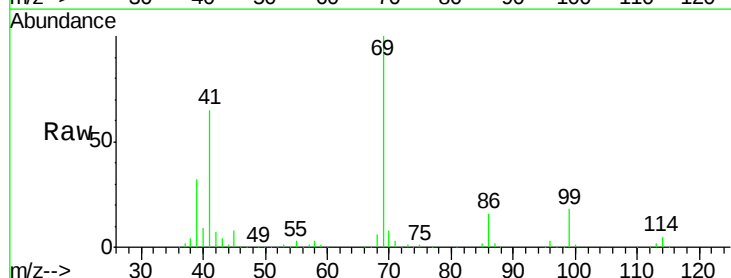
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion:	69	Resp:	273012
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.0	78.0
39	30.6	24.4	36.6

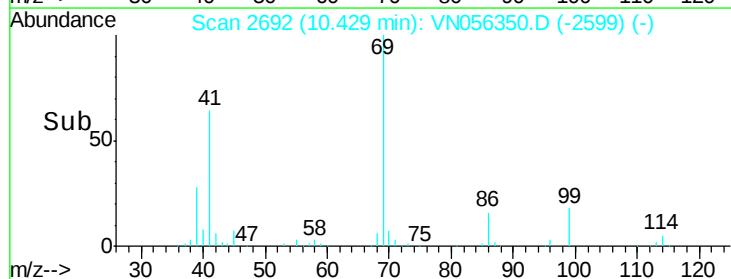
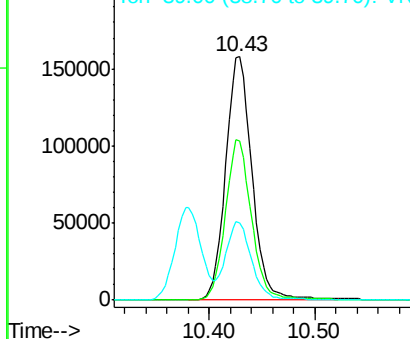


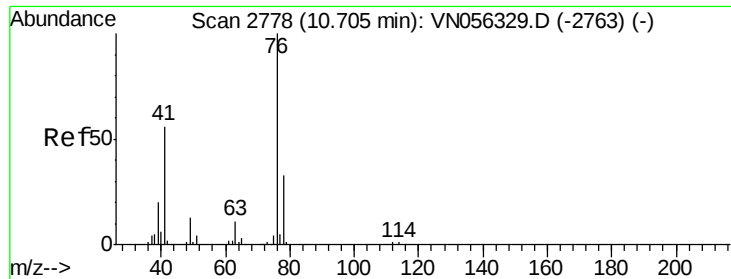
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 48.701 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 309039

Ion Ratio Lower Upper

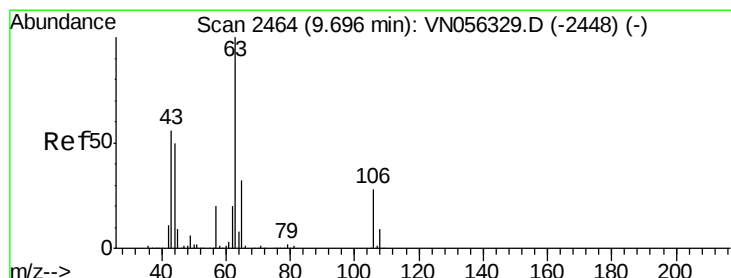
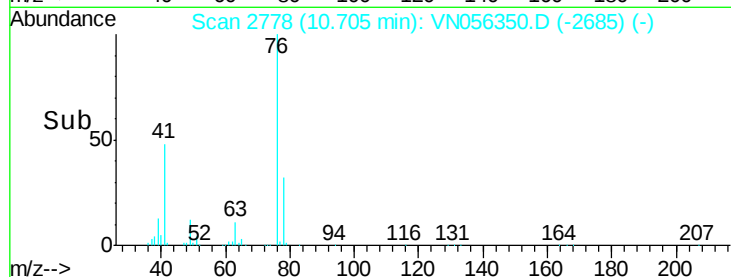
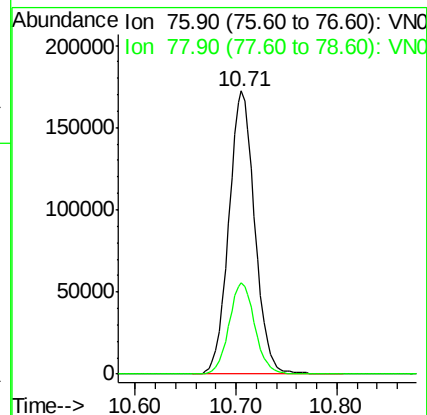
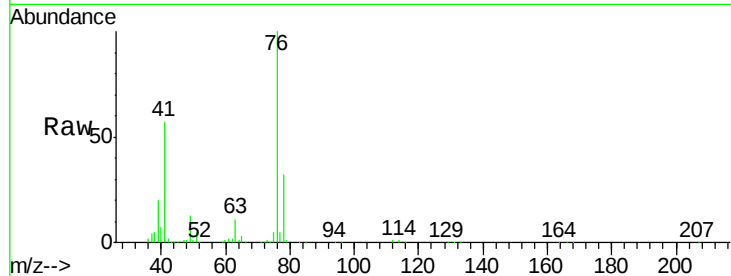
76 100

78 32.1 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 252.920 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056350.D

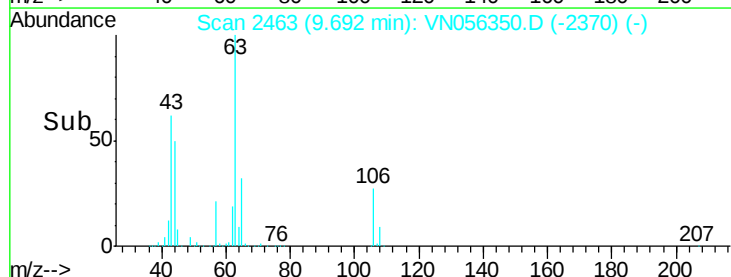
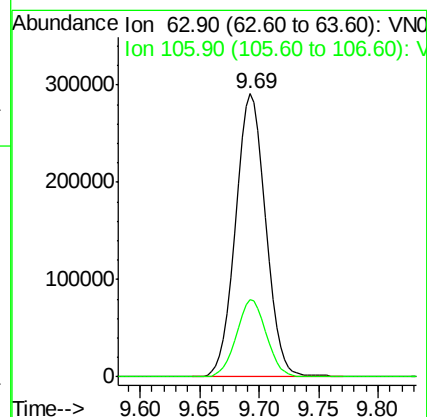
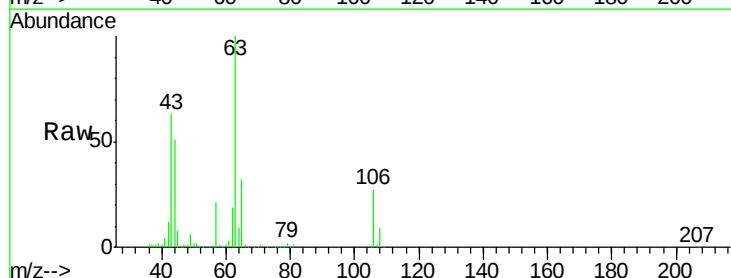
Acq: 18 Jun 2019 8:50

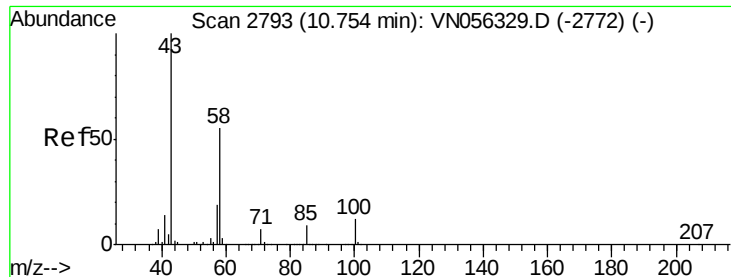
Tgt Ion: 63 Resp: 512632

Ion Ratio Lower Upper

63 100

106 27.0 22.2 33.2





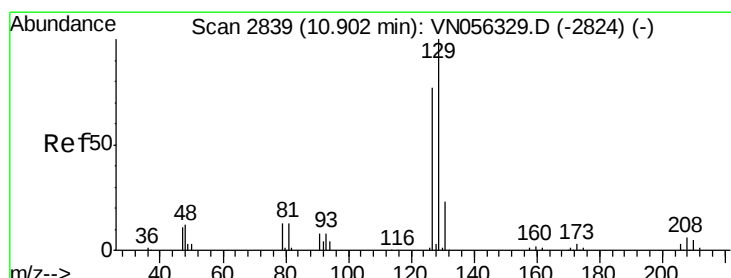
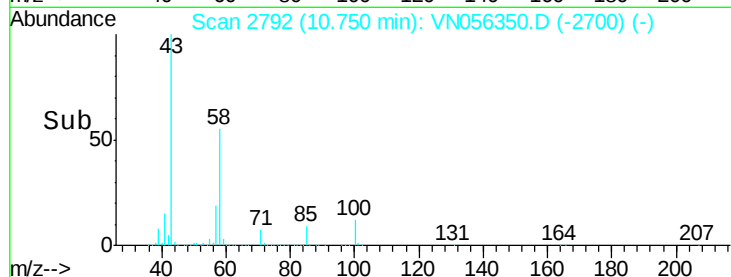
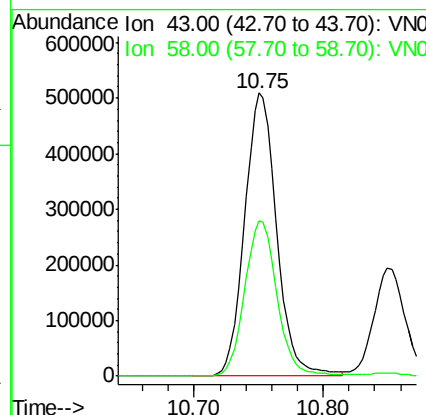
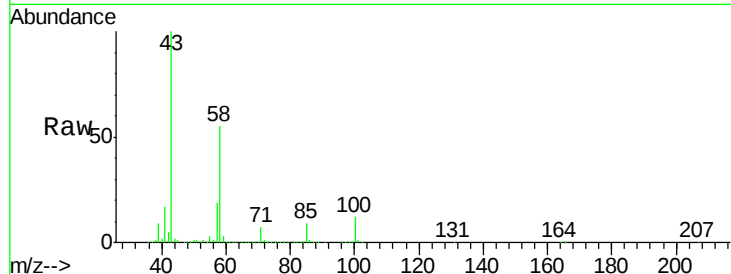
#59
2-Hexanone
Concen: 247.483 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 877957
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4

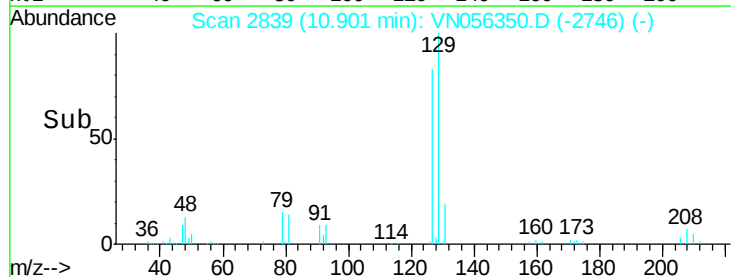
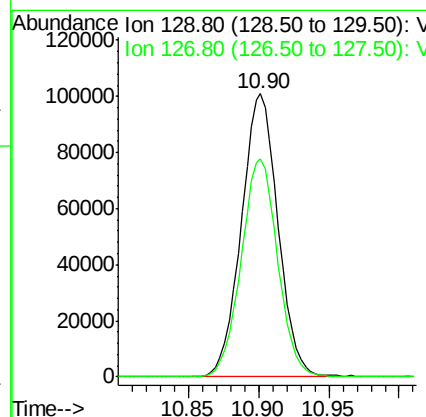
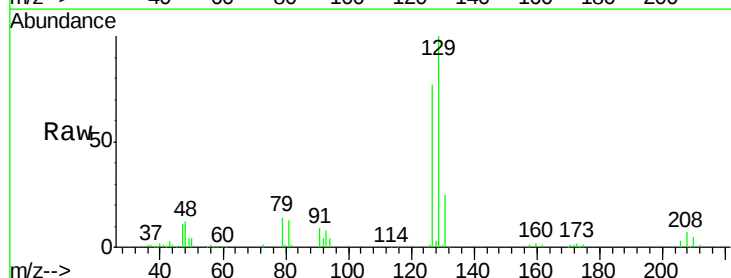
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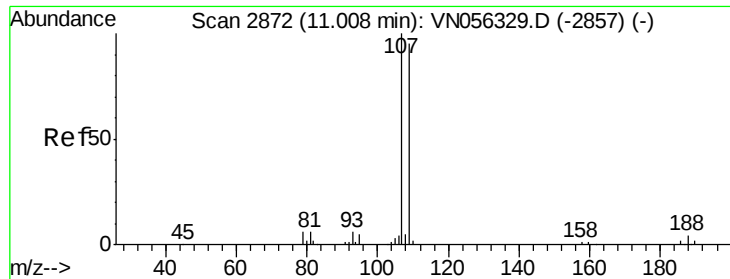
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#60
Dibromochloromethane
Concen: 46.482 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion: 129 Resp: 183663
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





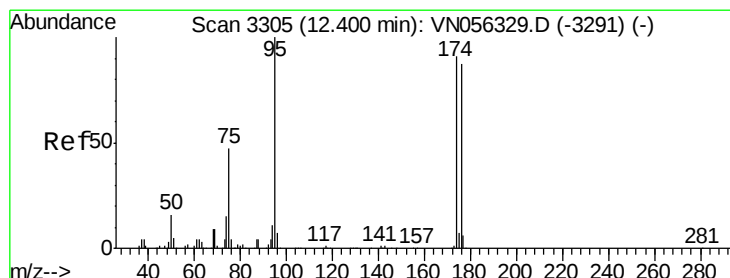
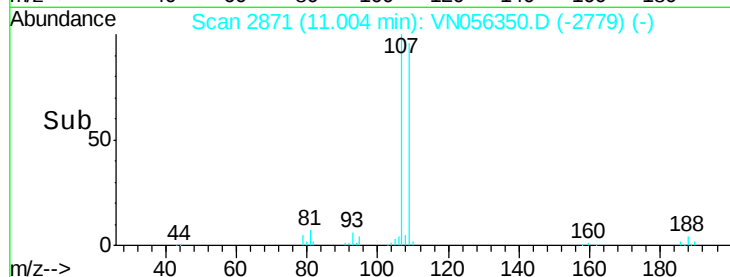
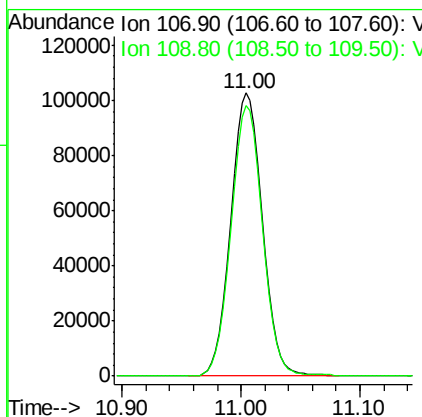
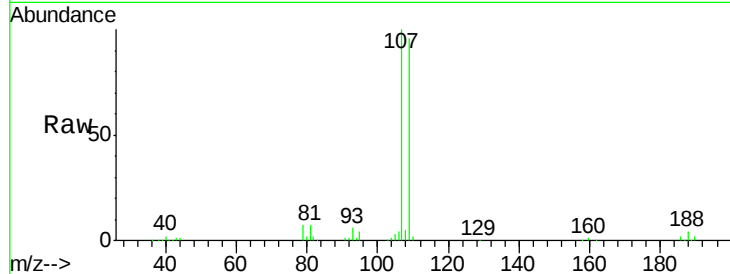
#61
 1,2-Dibromoethane
 Concen: 48.819 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.4	113.2

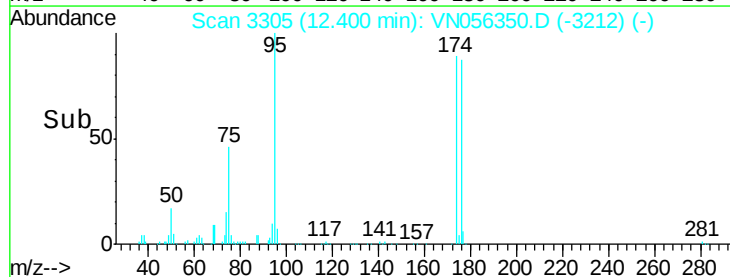
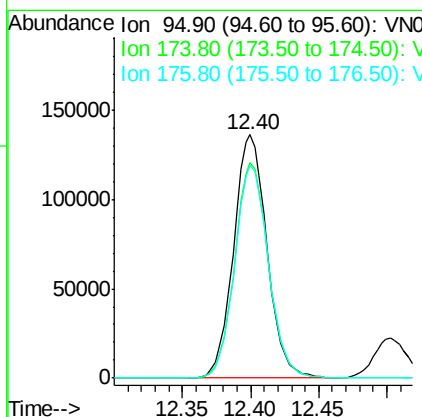
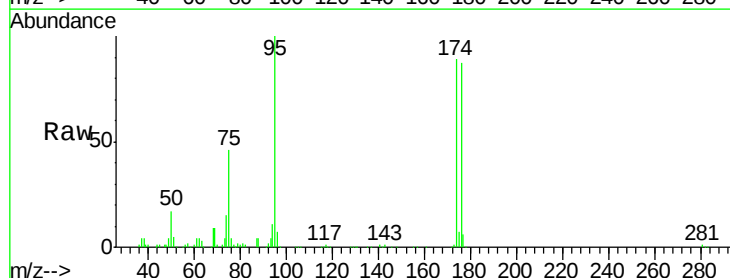
Manual Integrations
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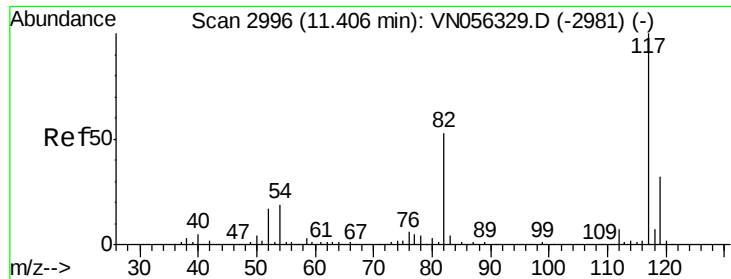
MMDadoda
 6/19/2019 12:19:30 PM



#62
 4-Bromofluorobenzene
 Concen: 51.766 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	182.6
176	88.2	0.0	176.8





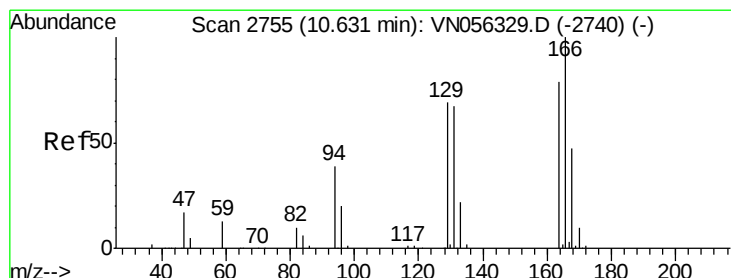
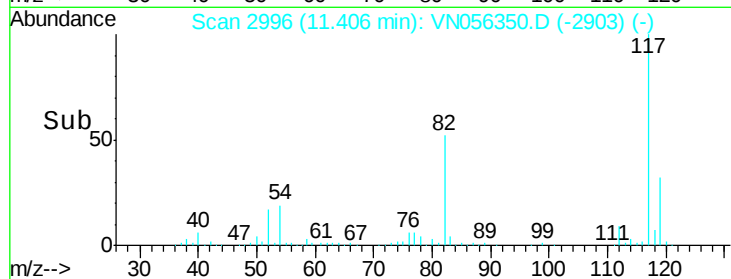
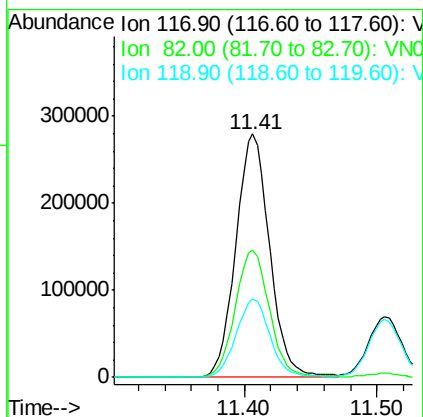
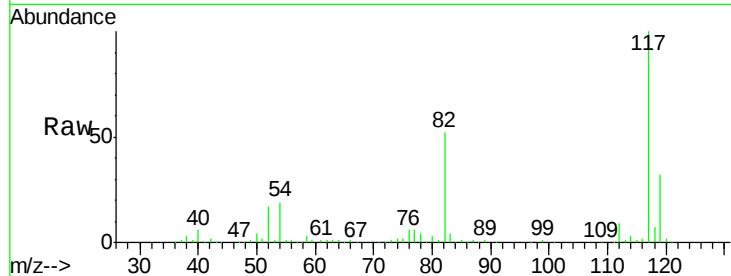
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.4	63.6
119	32.1	26.0	39.0

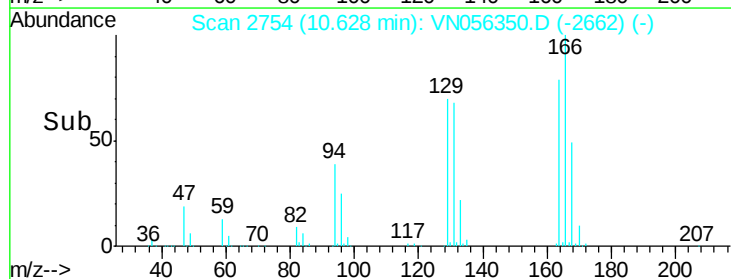
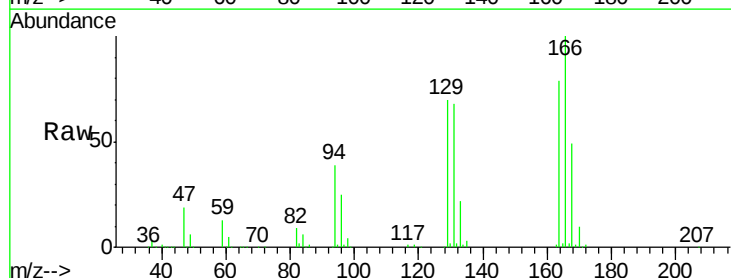
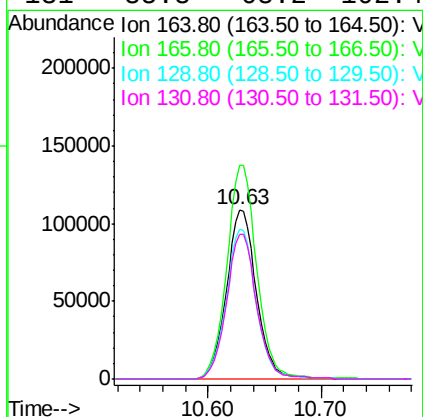
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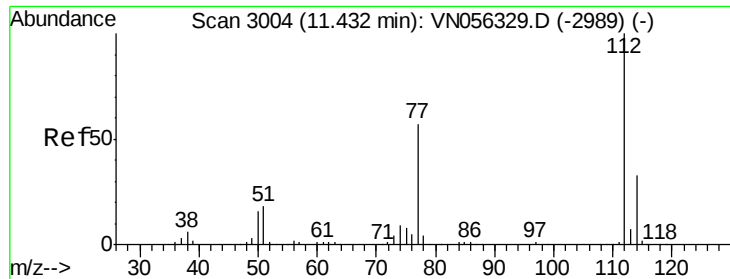
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#64
Tetrachloroethene
Concen: 49.121 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.8	152.6
129	88.4	70.3	105.5
131	85.8	68.2	102.4





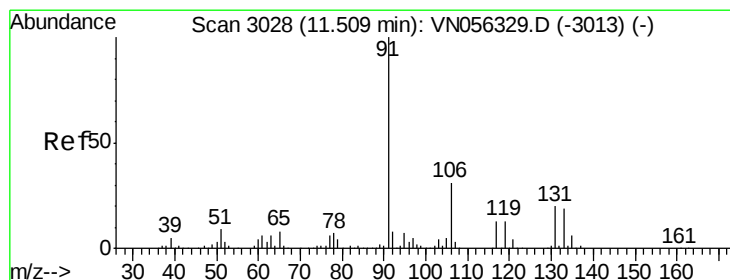
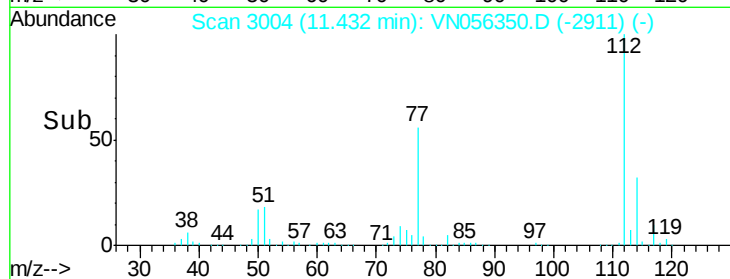
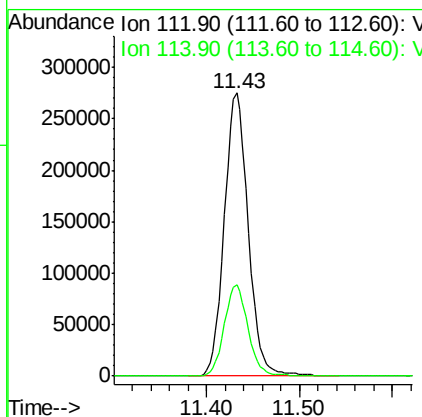
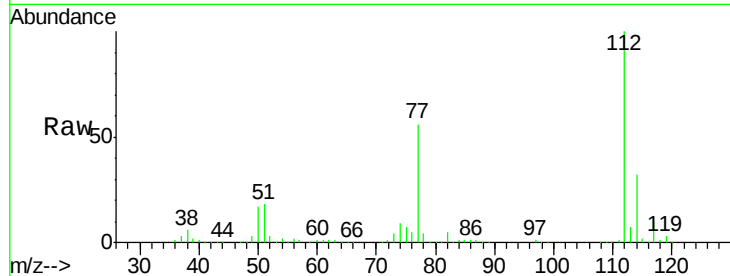
#65
Chlorobenzene
Concen: 49.040 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 492955
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1

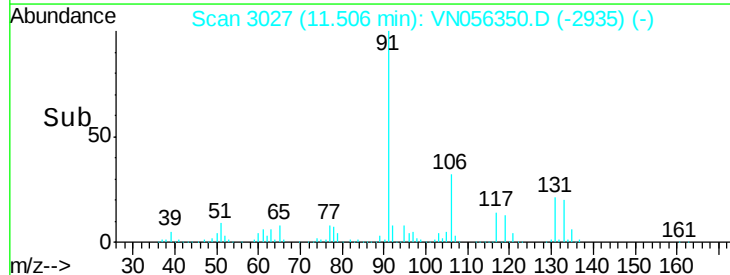
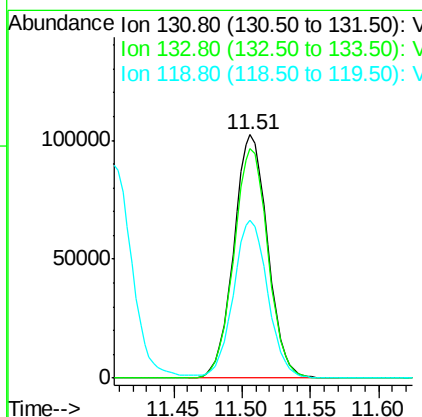
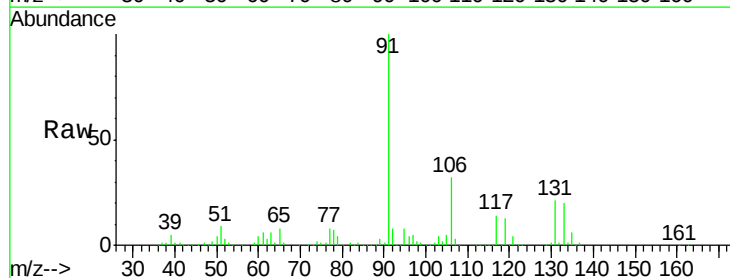
Manual Integrations
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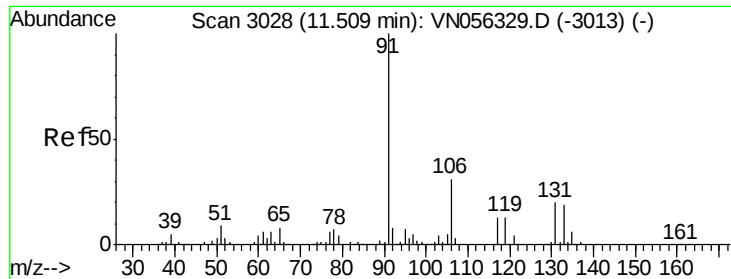
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.063 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion:131 Resp: 176612
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.7
119 65.7 33.5 100.5





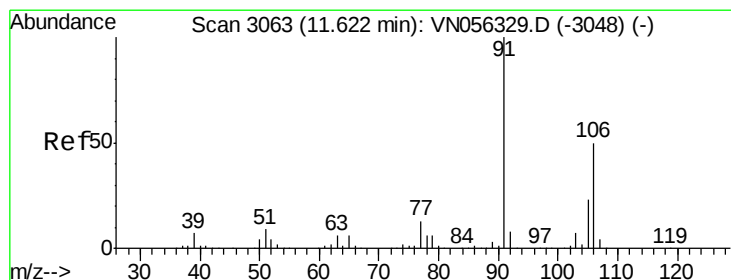
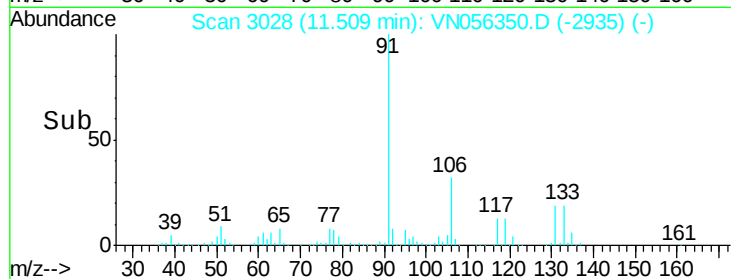
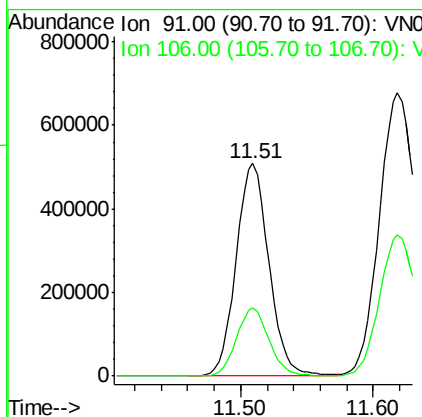
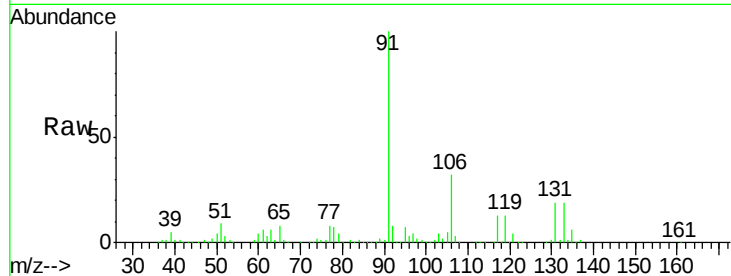
#67
Ethyl Benzene
Concen: 50.555 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 874738
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

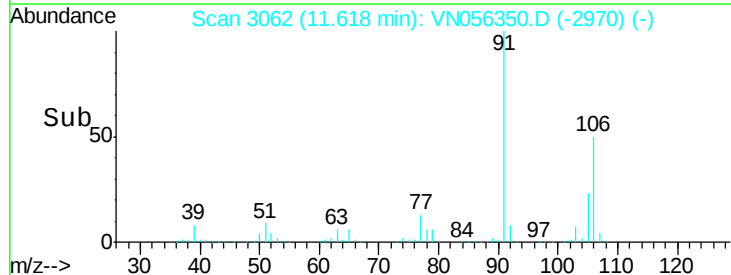
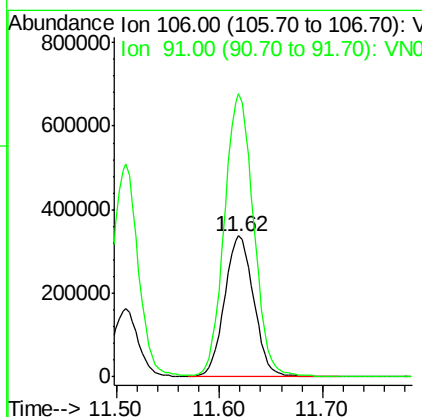
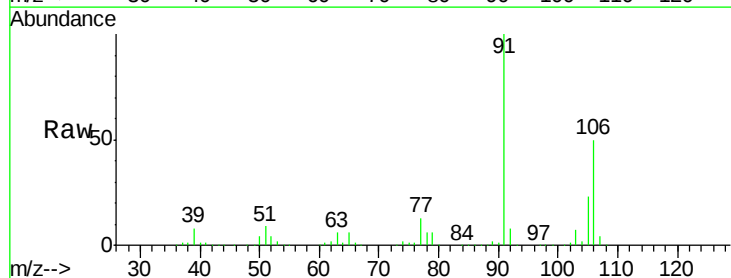
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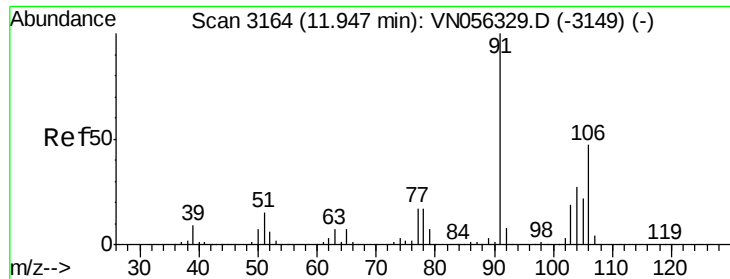
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#68
m/p-Xylenes
Concen: 103.298 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion: 106 Resp: 665230
Ion Ratio Lower Upper
106 100
91 201.9 160.7 241.1





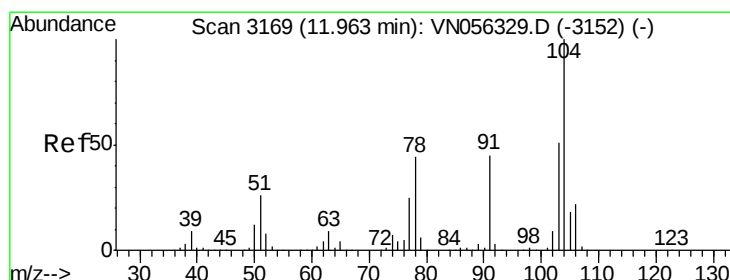
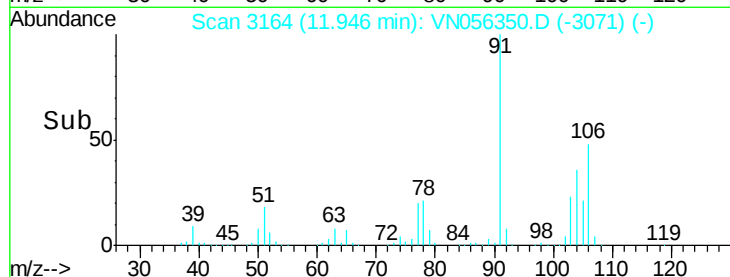
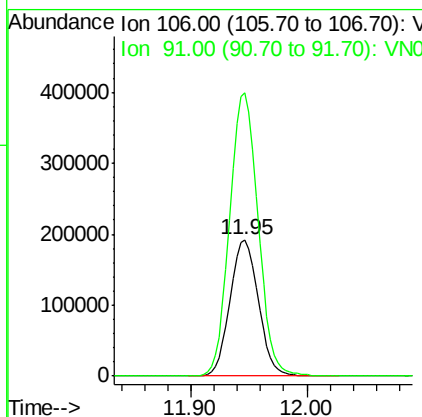
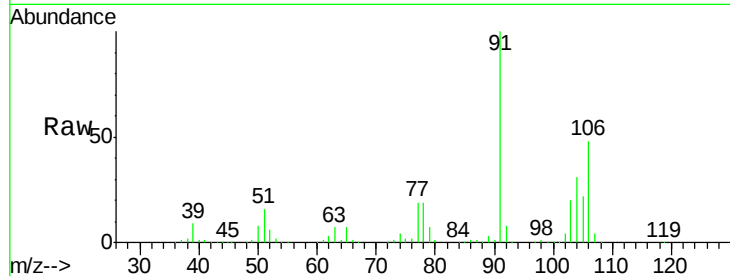
#69
o-Xylene
Concen: 51.237 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 325256
Ion Ratio Lower Upper
106 100
91 207.9 105.6 316.7

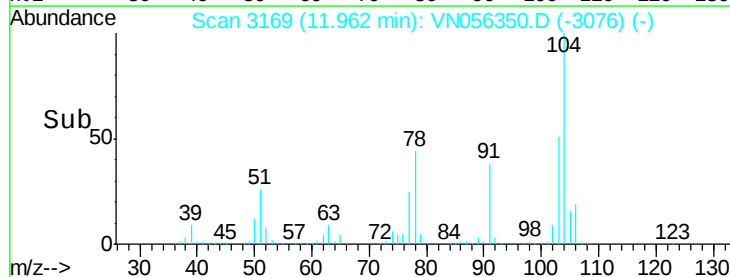
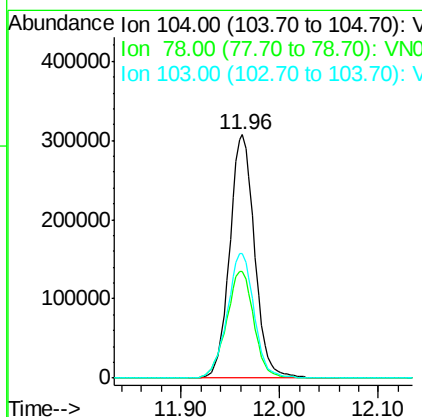
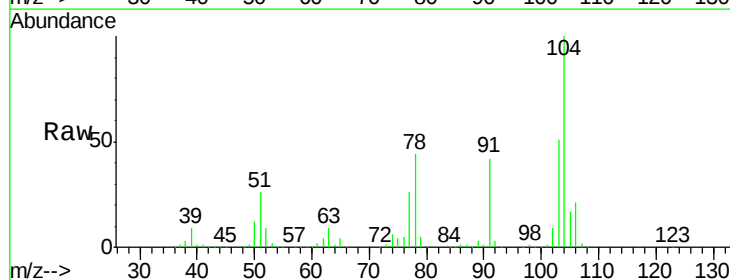
Manual Integrations
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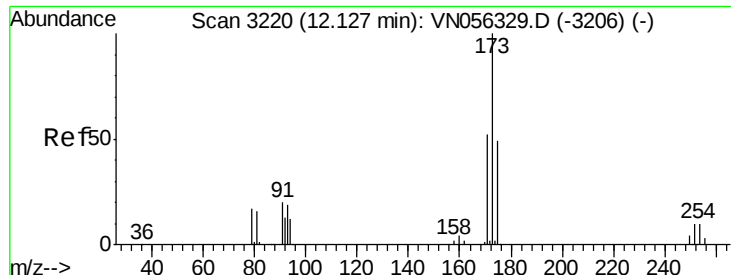
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#70
Styrene
Concen: 52.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion:104 Resp: 541503
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 55.5 44.0 66.0





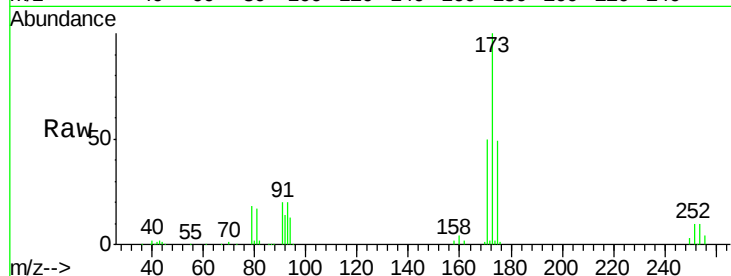
#71
Bromoform
Concen: 44.099 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

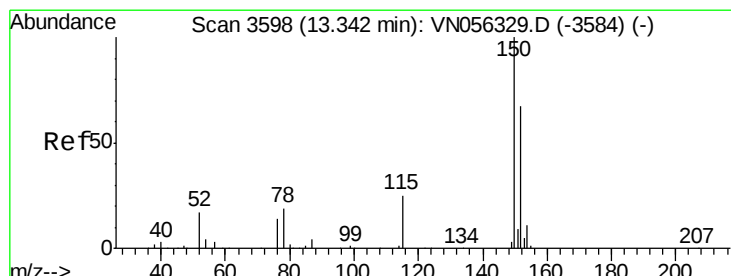
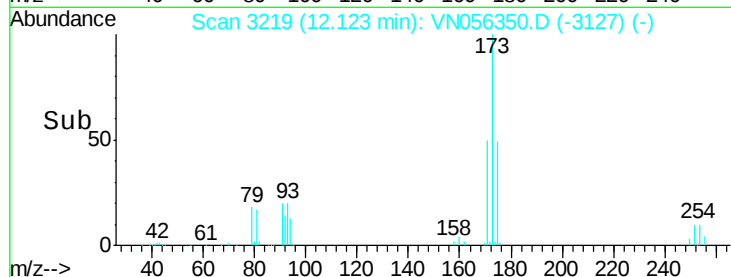
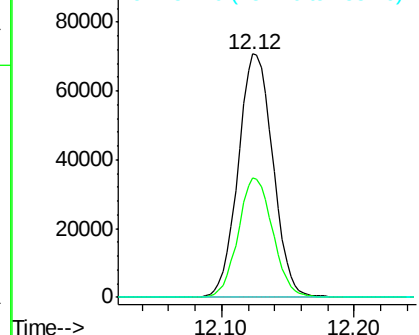
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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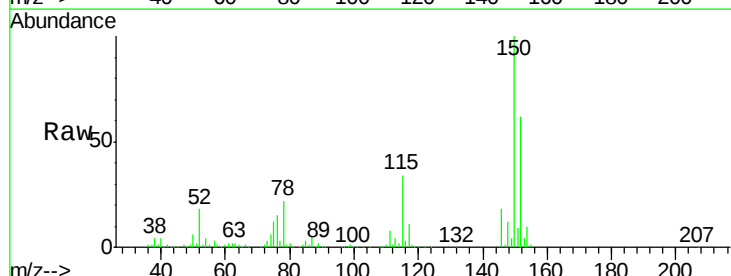


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

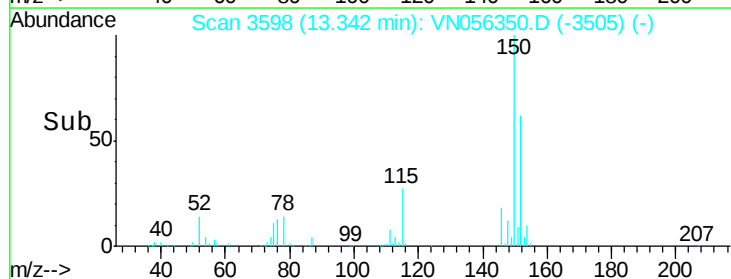
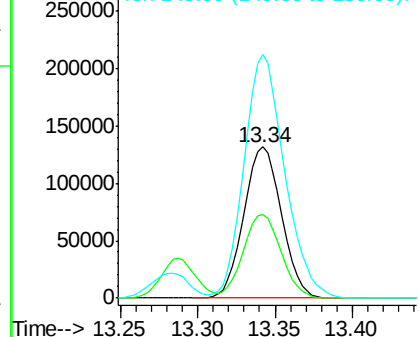


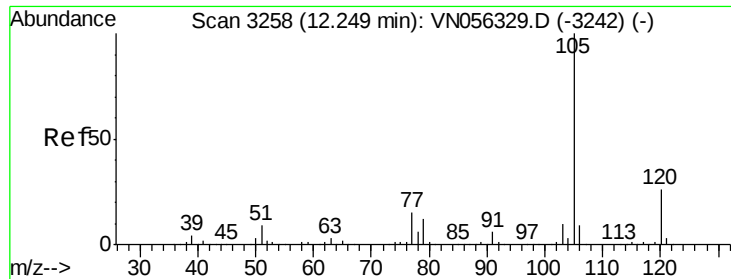
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.8	83.3
150	173.5	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.815 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 856418

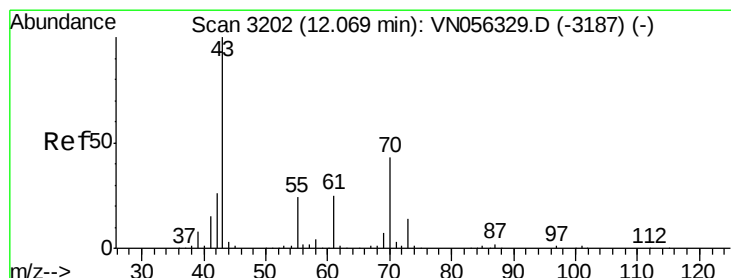
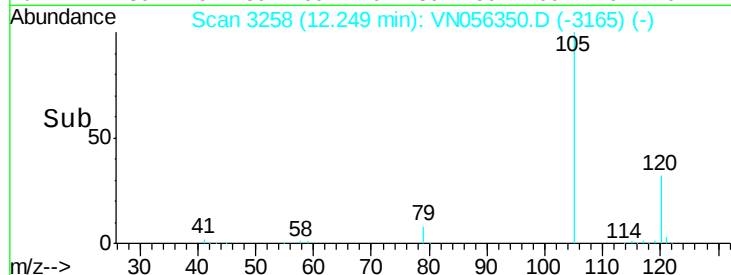
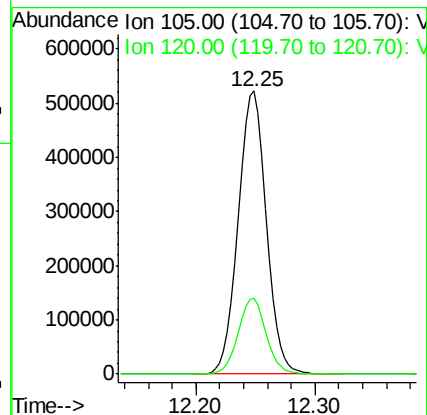
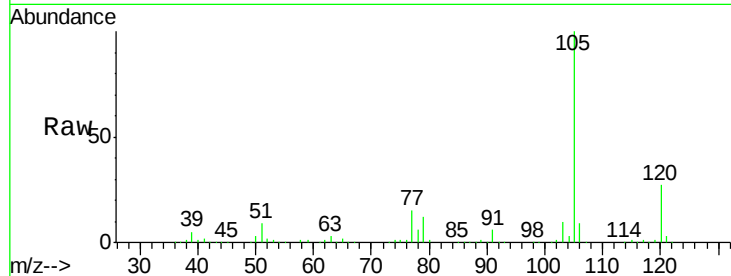
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 44.120 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion: 43 Resp: 309798

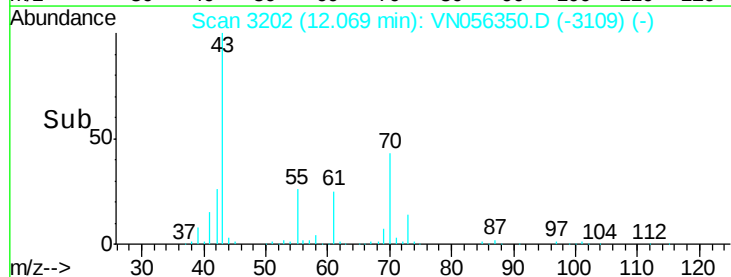
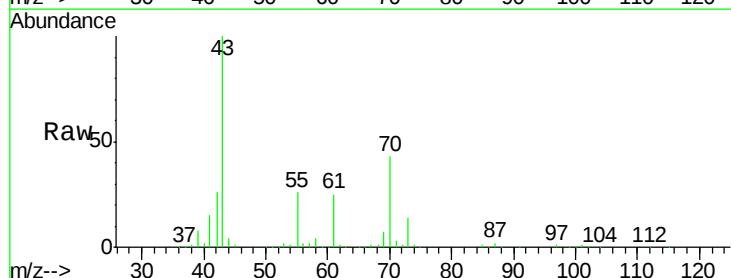
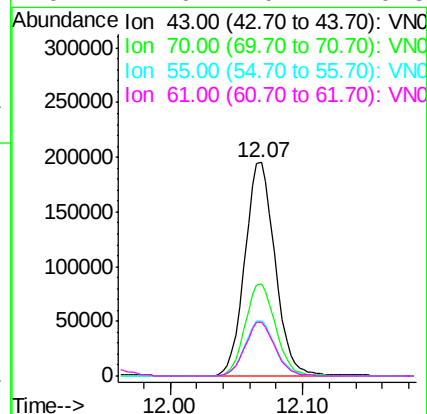
Ion Ratio Lower Upper

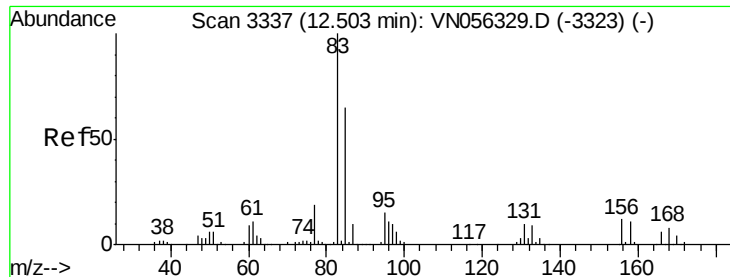
43 100

70 43.4 34.2 51.2

55 26.2 19.9 29.9

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.348 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

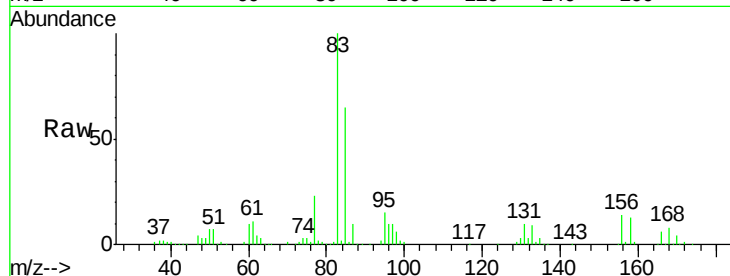
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256277
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.7	32.2	96.6

Manual Integrations
APPROVED

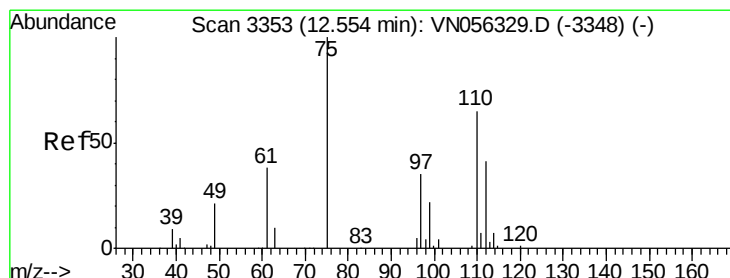
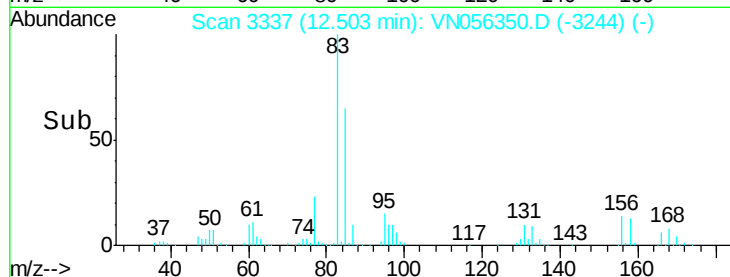
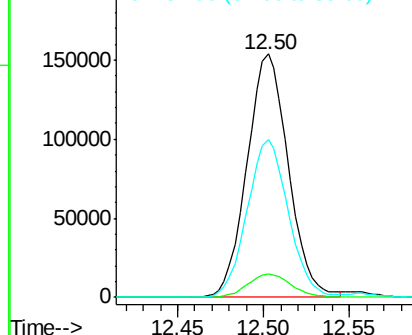
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Abundance Ion 82.90 (82.60 to 83.60): VN056350.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN056350.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN056350.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 46.936 ug/l m

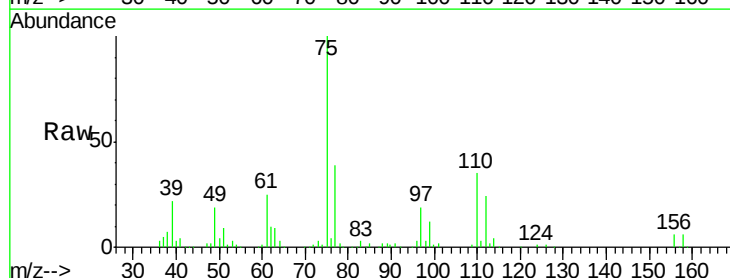
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN056350.D

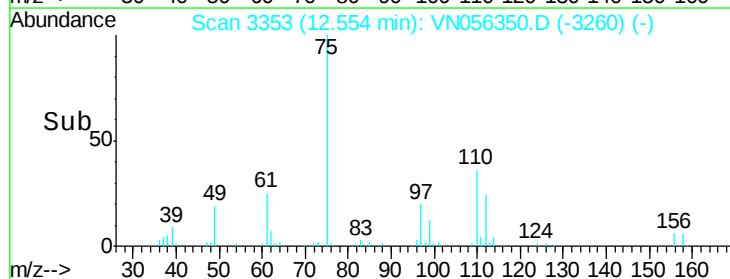
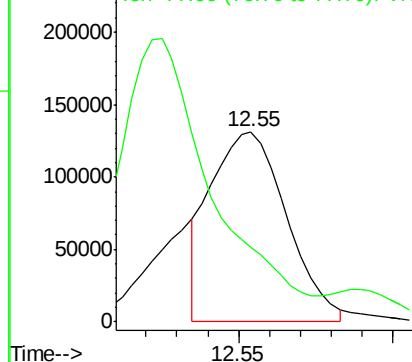
Acq: 18 Jun 2019 8:50

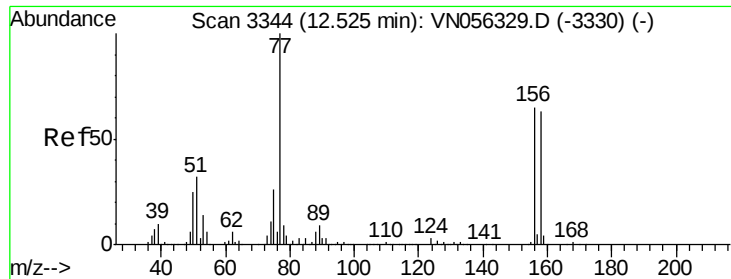
Tgt Ion:	75	Resp:	224066
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056350.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056350.D (-3260) (-)





#77

Bromobenzene

Concen: 50.314 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

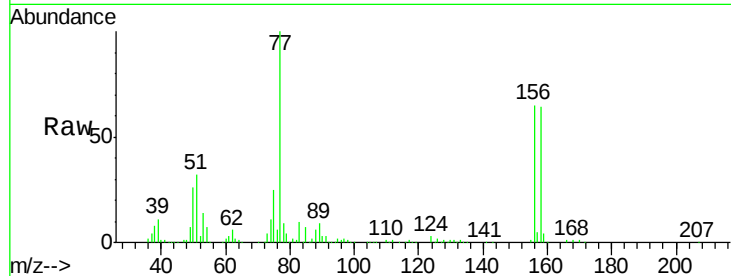
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.6	92.9	278.7
158	98.0	49.0	147.2

Manual Integrations
APPROVED

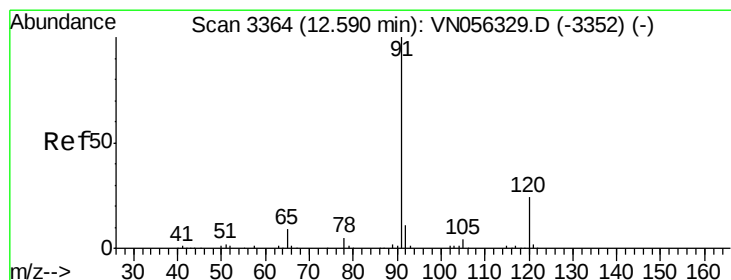
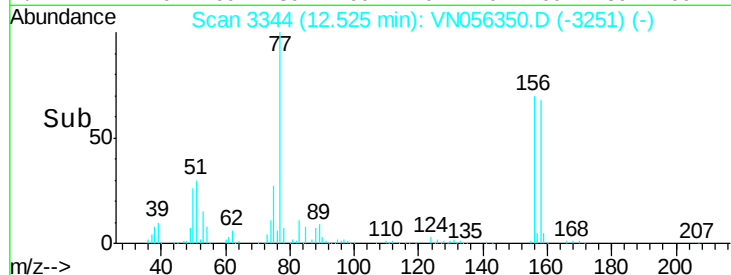
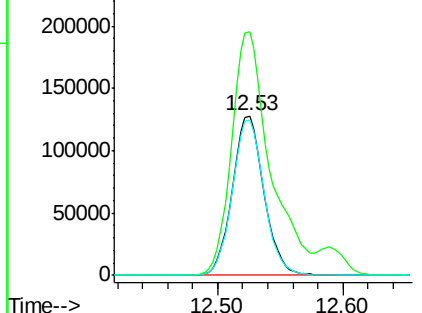
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.621 ug/l

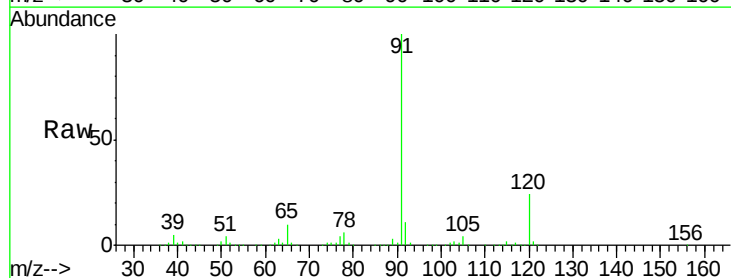
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056350.D

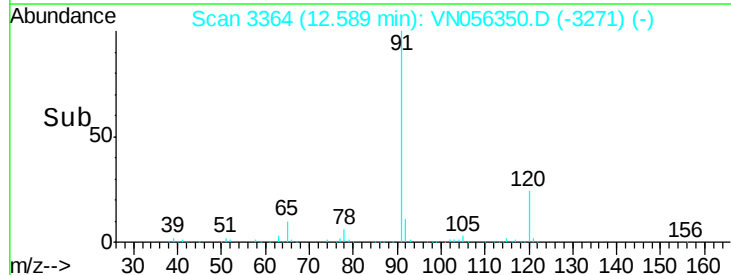
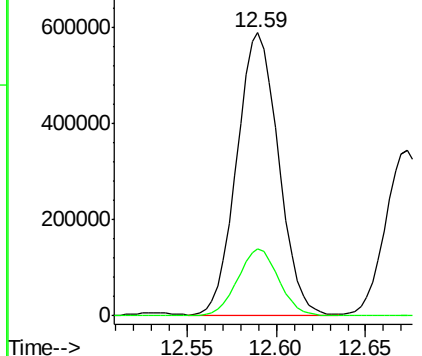
Acq: 18 Jun 2019 8:50

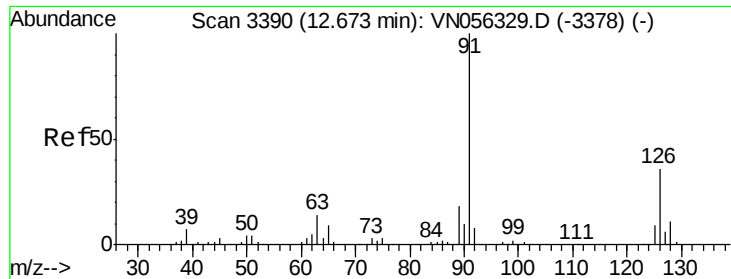
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.738 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 570507

Ion Ratio Lower Upper

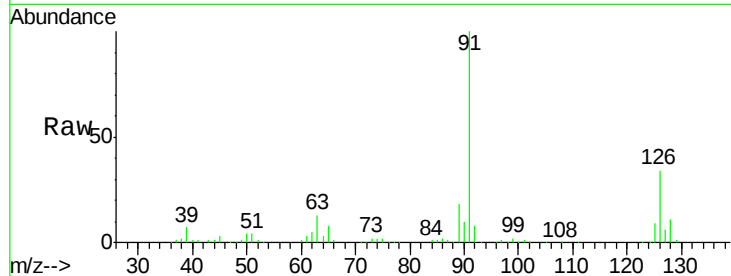
91 100

126 35.7 18.0 54.0

Manual Integrations
APPROVED

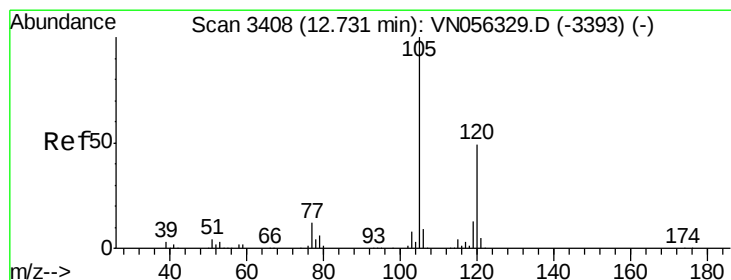
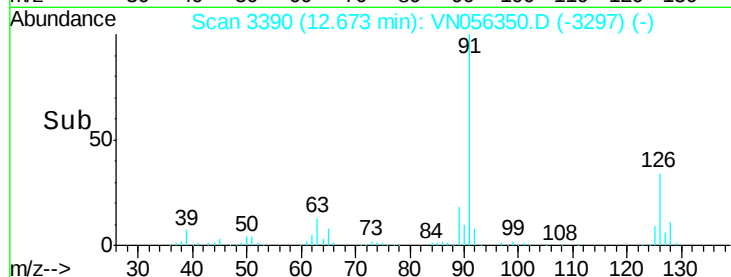
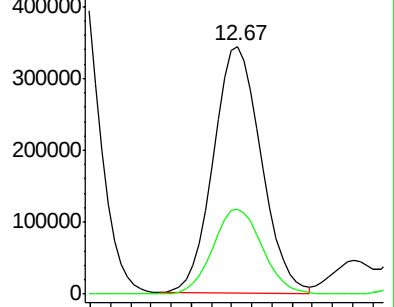
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Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056329.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.828 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056350.D

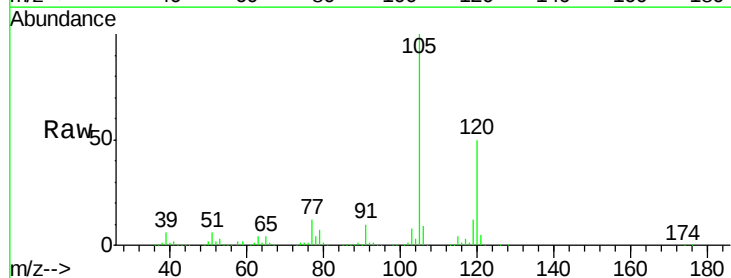
Acq: 18 Jun 2019 8:50

Tgt Ion: 105 Resp: 714394

Ion Ratio Lower Upper

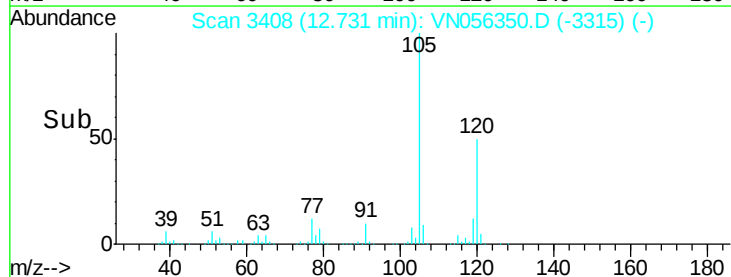
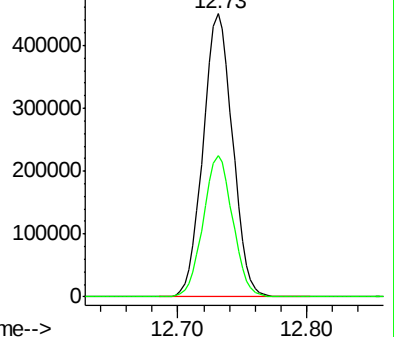
105 100

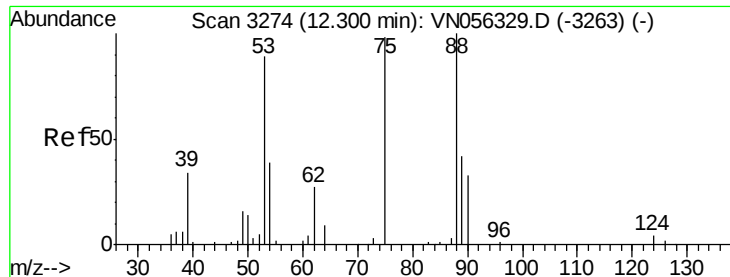
120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VN056329.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056329.D (-3393) (-)





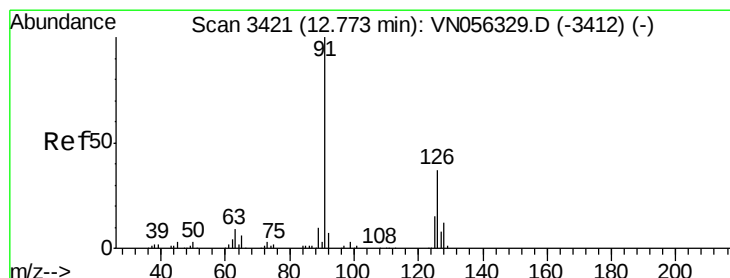
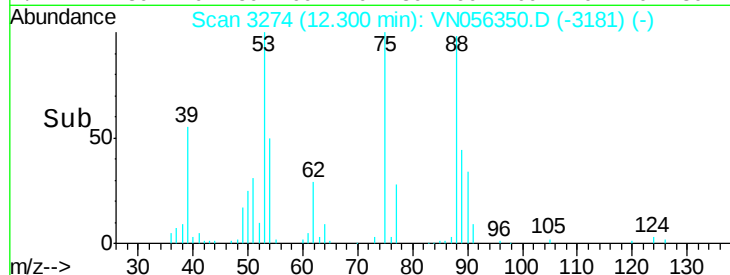
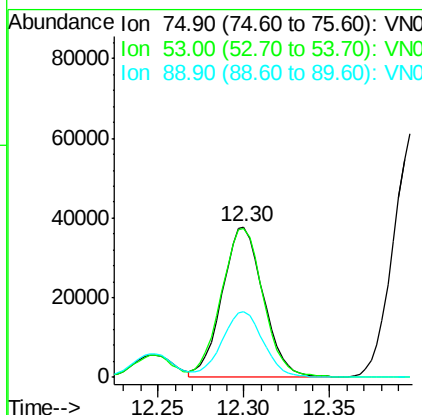
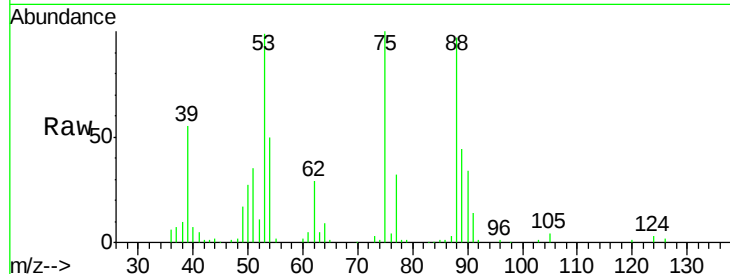
#81
trans-1,4-Dichloro-2-butene
Concen: 41.302 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	73.5	110.3
89	43.5	35.4	53.2

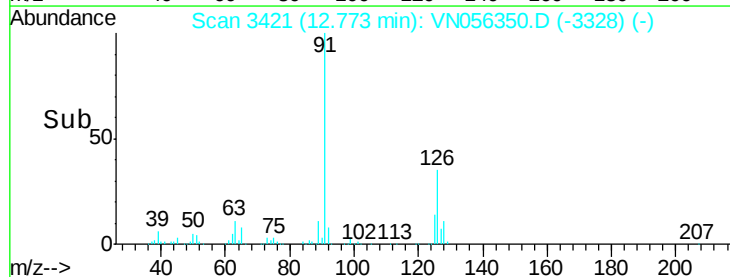
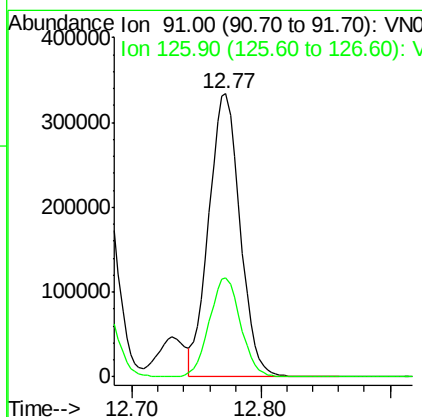
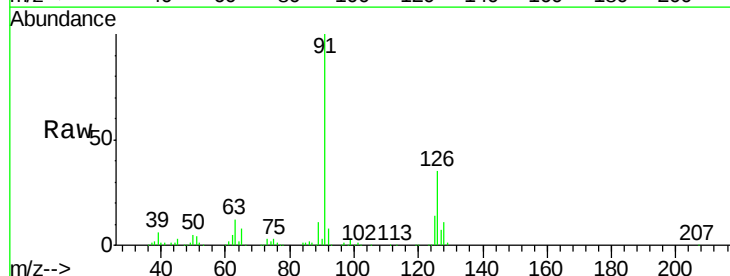
Manual Integrations
APPROVED

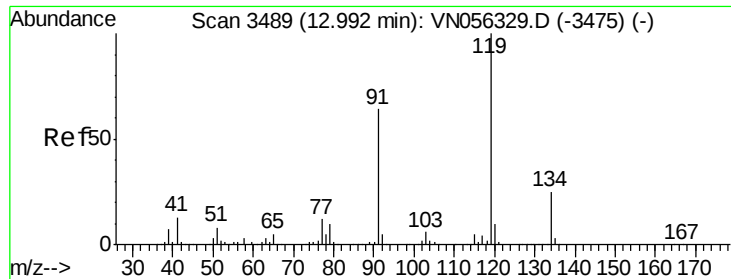
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.626 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





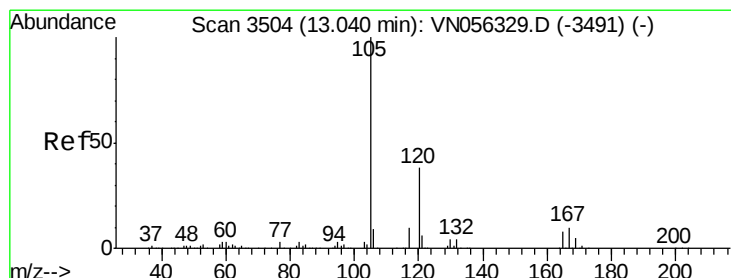
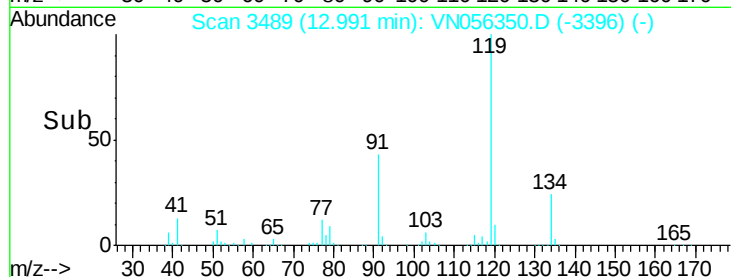
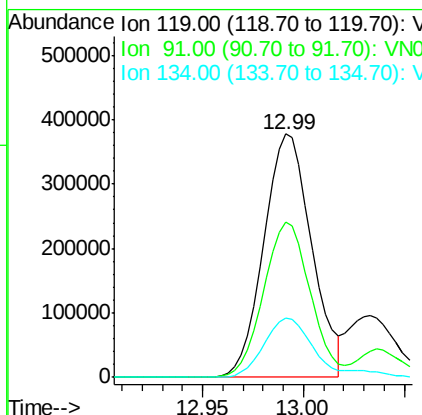
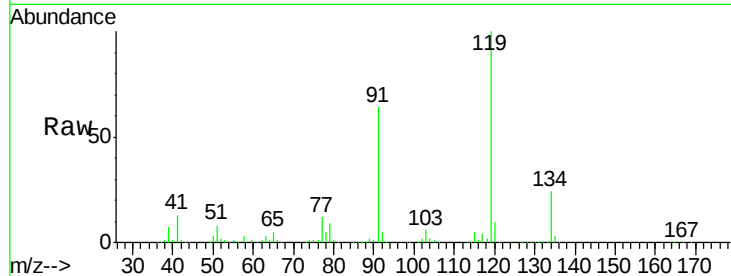
#83
tert-Butylbenzene
Concen: 52.003 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.5	94.5
134	26.4	13.6	40.7

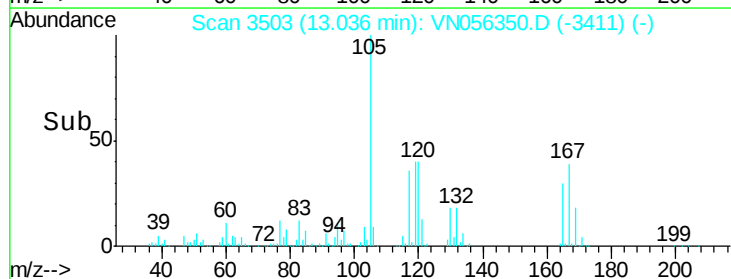
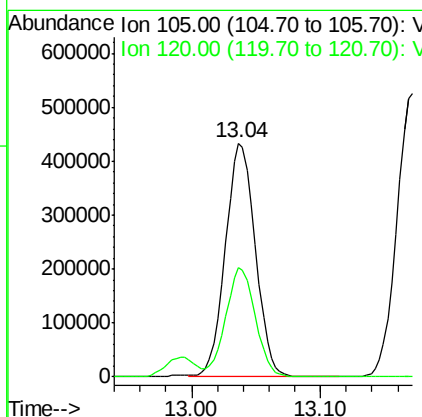
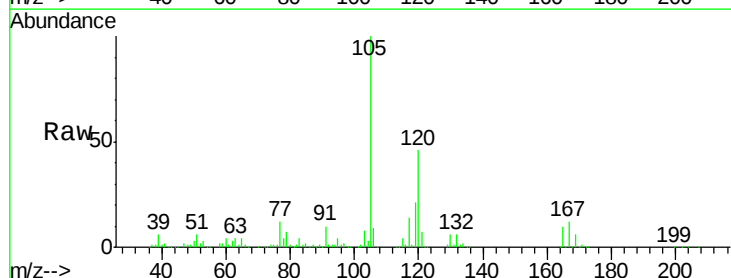
Manual Integrations
APPROVED

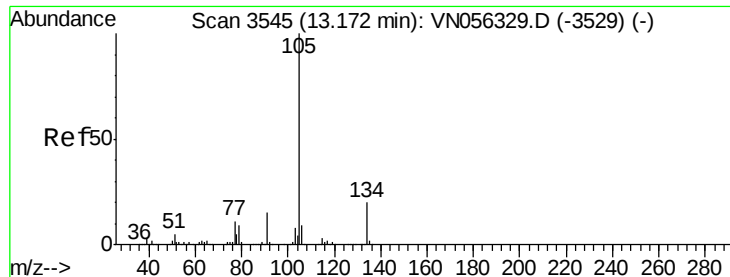
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#84
1,2,4-Trimethylbenzene
Concen: 48.095 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 47.154 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 829482

Ion Ratio Lower Upper

105 100

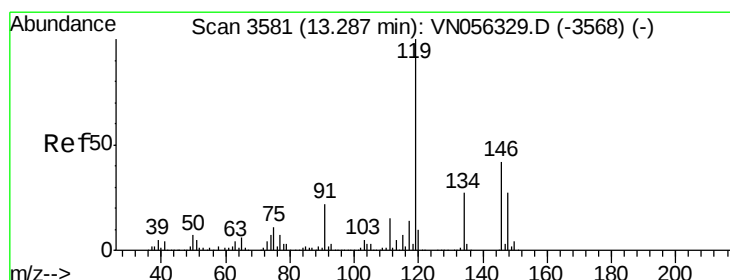
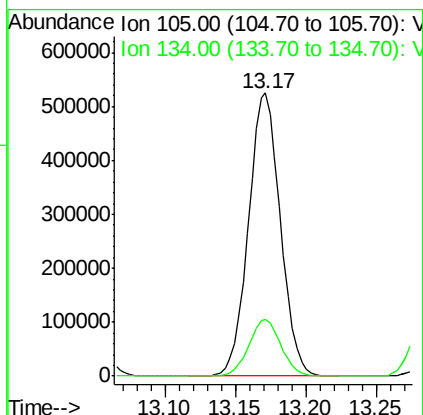
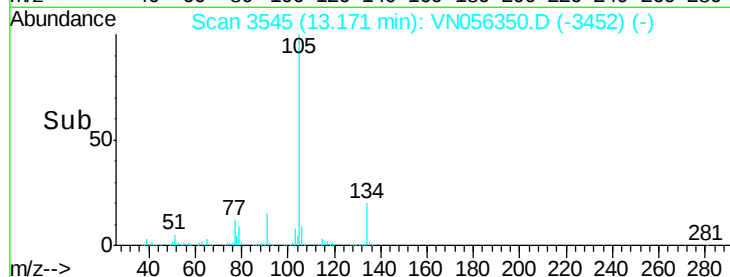
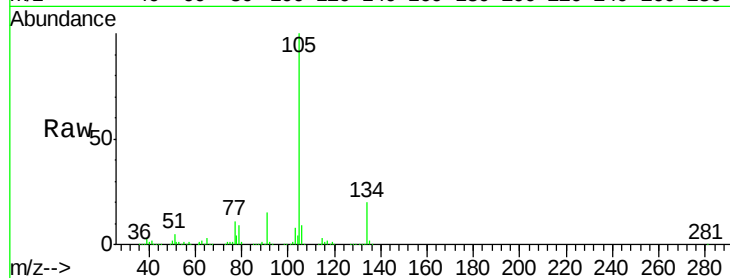
134 20.1 10.2 30.4

Manual Integrations

APPROVED

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#86

p-Isopropyltoluene

Concen: 49.632 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

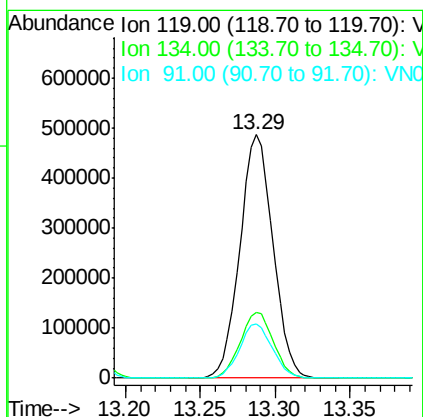
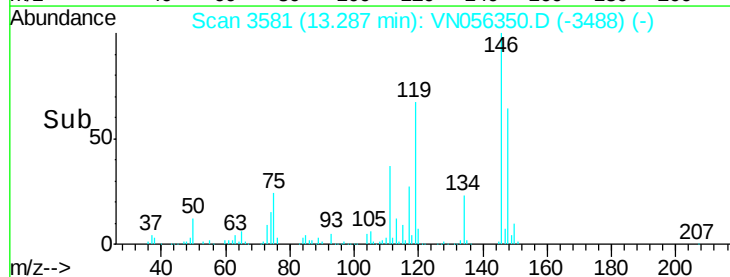
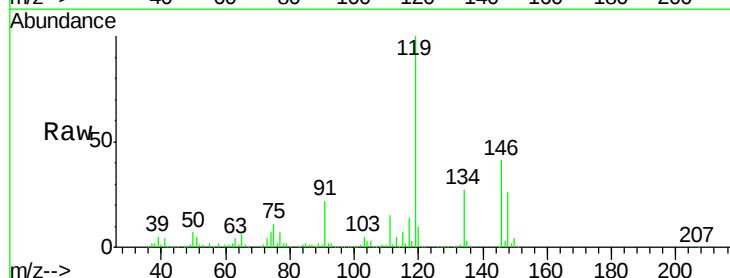
Tgt Ion:119 Resp: 747346

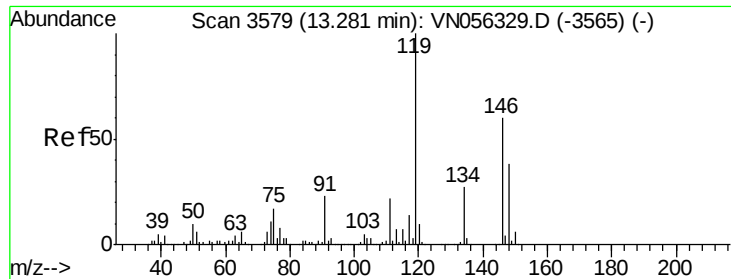
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.2 11.0 33.0





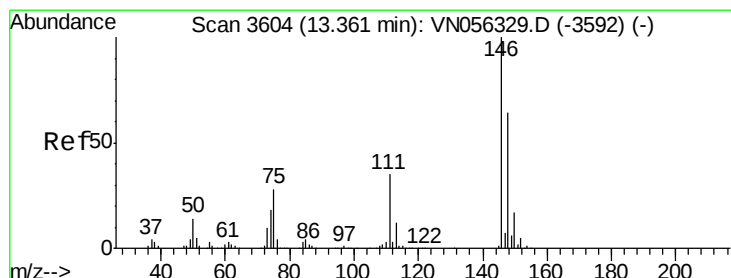
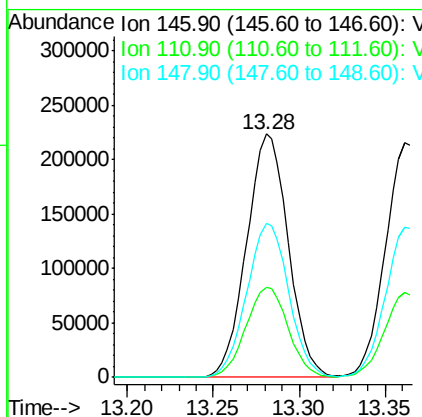
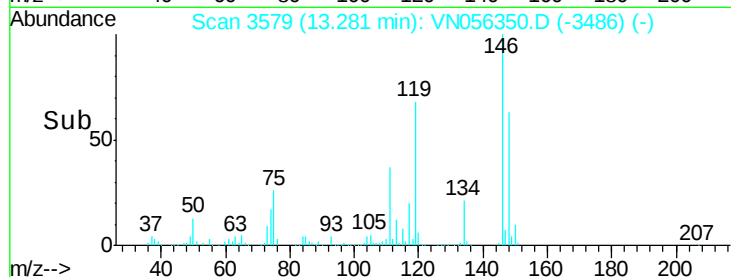
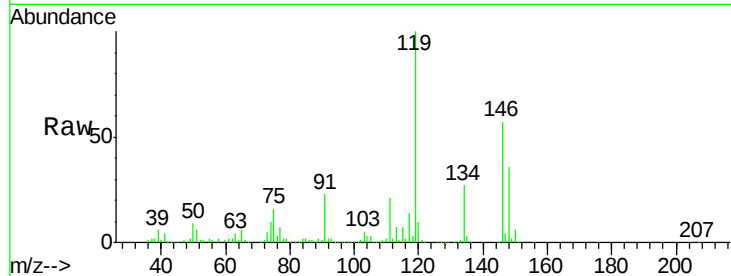
#87
 1,3-Dichlorobenzene
 Concen: 49.282 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	63.9	31.9	95.5

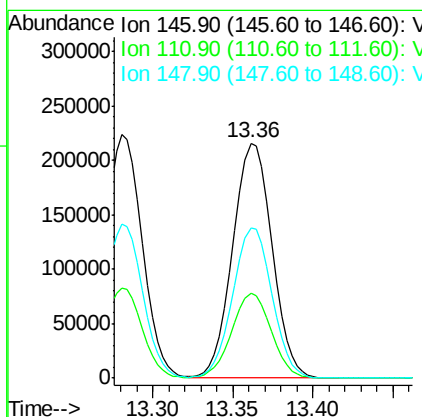
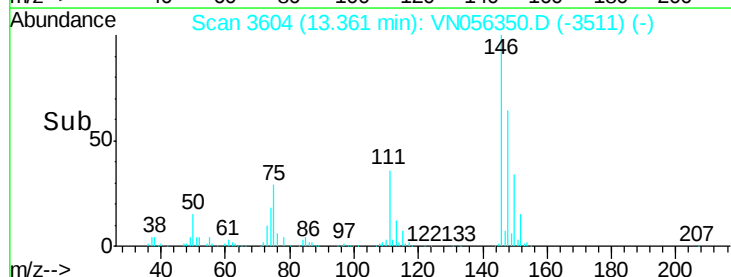
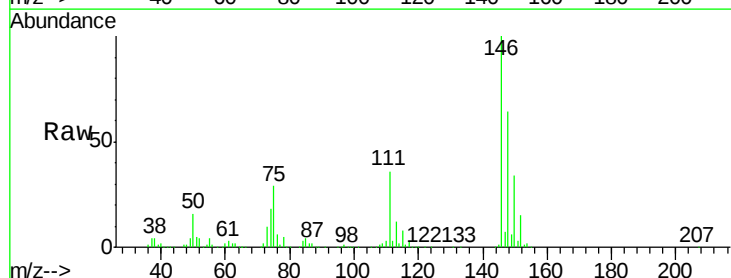
Manual Integrations
 APPROVED

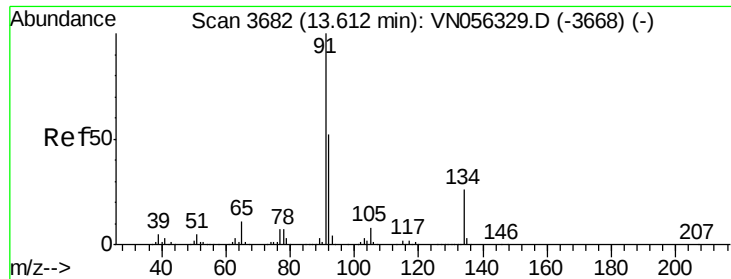
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 6/19/2019 12:19:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.519 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	63.9	32.1	96.5





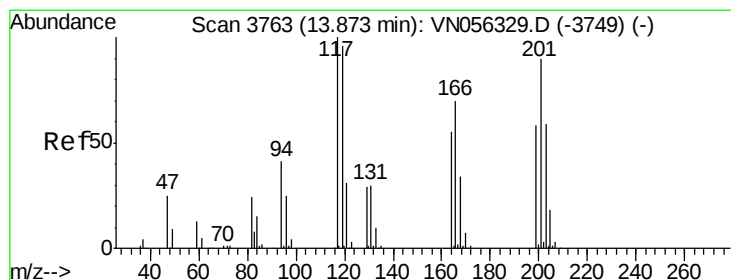
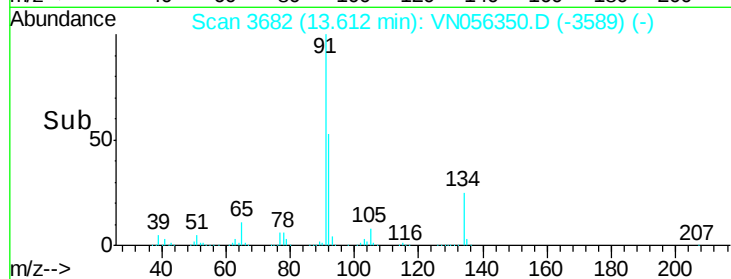
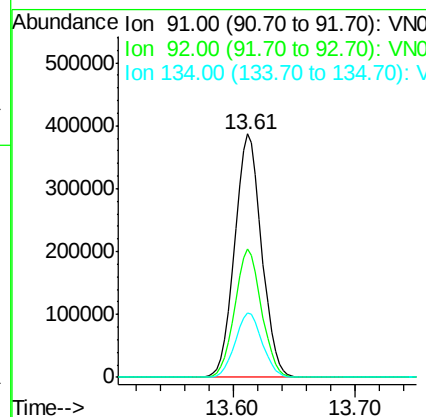
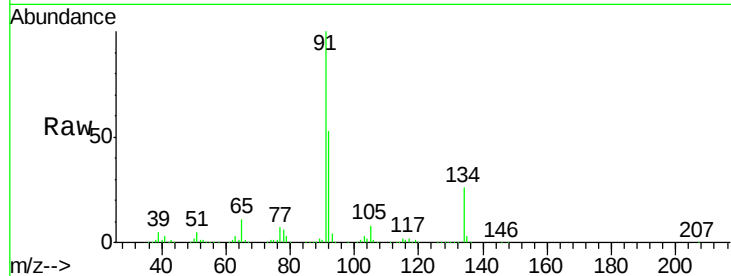
#89
n-Butylbenzene
Concen: 52.721 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.7	13.2	39.5

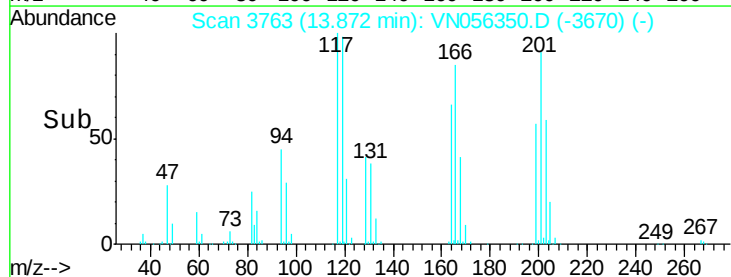
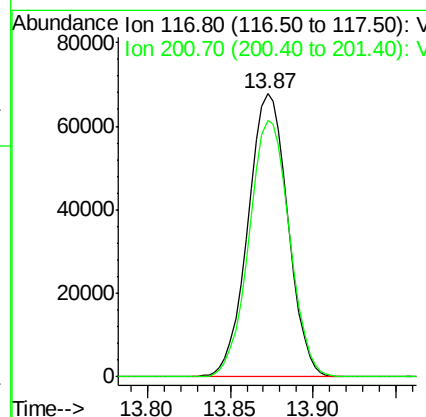
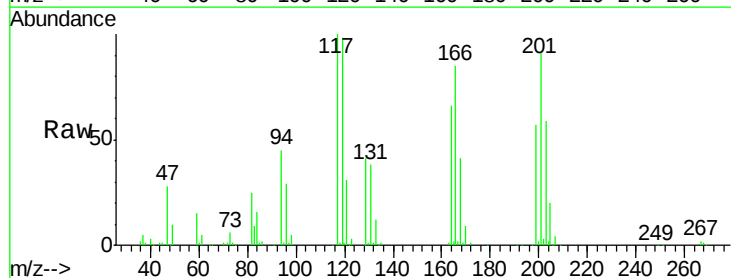
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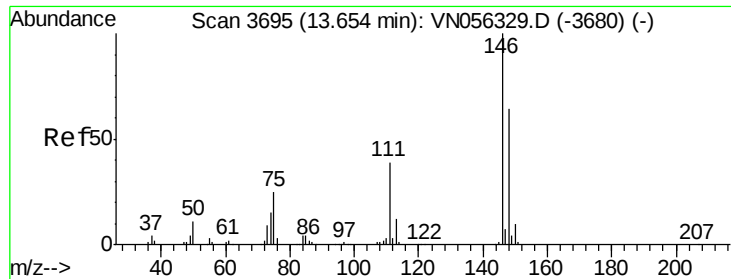
MMDadoda
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#90
Hexachloroethane
Concen: 44.354 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056350.D
Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	45.8	137.3





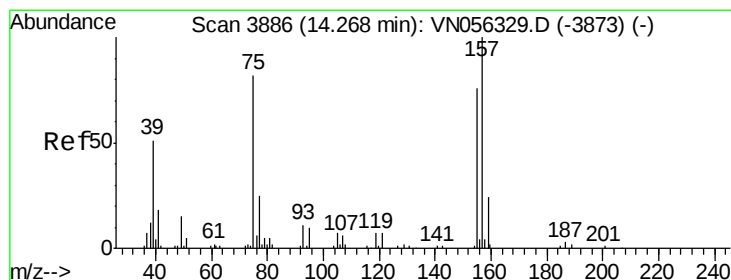
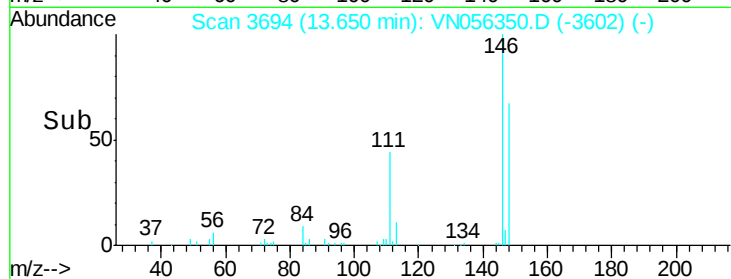
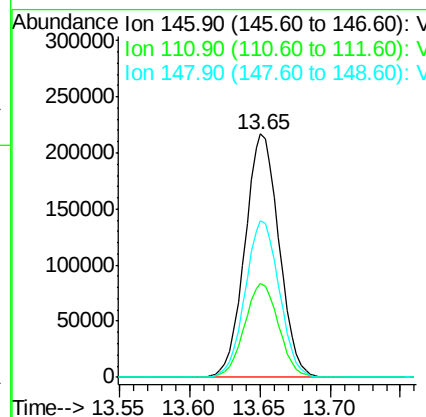
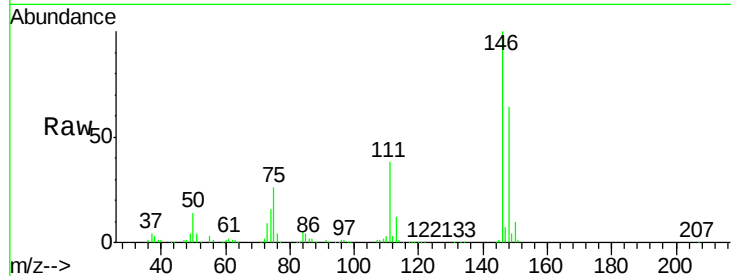
#91
 1,2-Dichlorobenzene
 Concen: 49.395 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	367853		
111	38.5	19.4	58.2	
148	64.3	32.4	97.2	

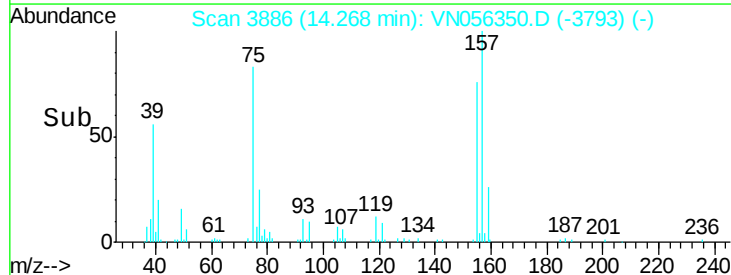
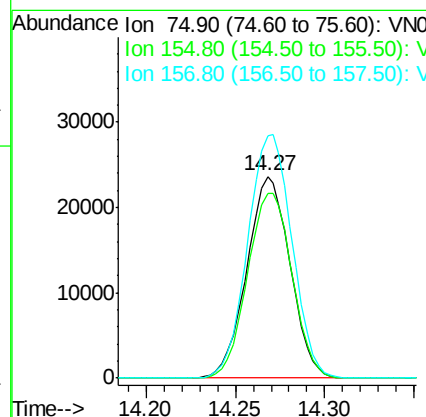
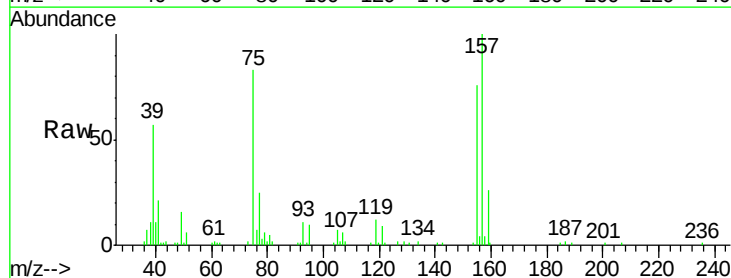
Manual Integrations
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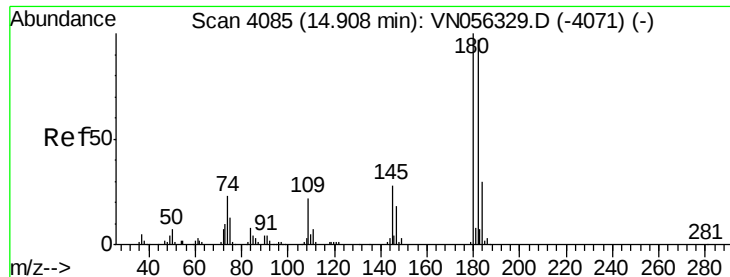
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 6/19/2019 12:19:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.553 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40118		
155	94.2	47.8	143.4	
157	123.6	62.8	188.5	





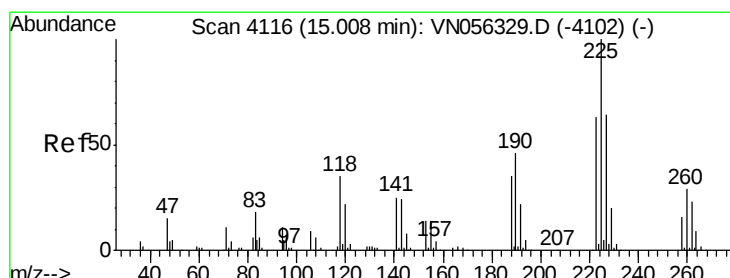
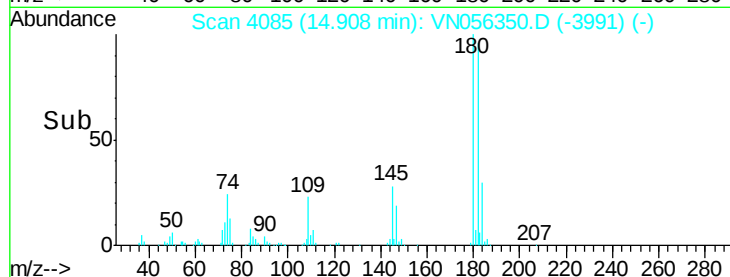
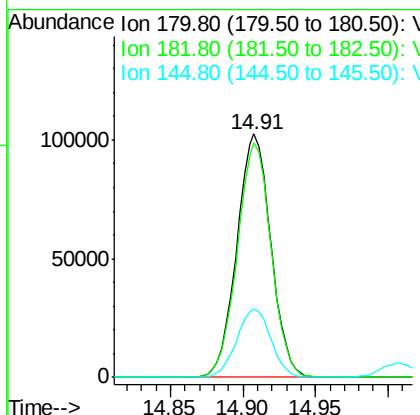
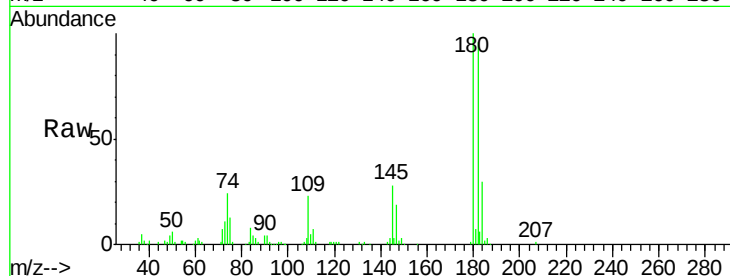
#93
 1,2,4-Trichlorobenzene
 Concen: 43.827 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	166909		
182	95.6	47.4	142.3	
145	28.4	14.0	41.9	

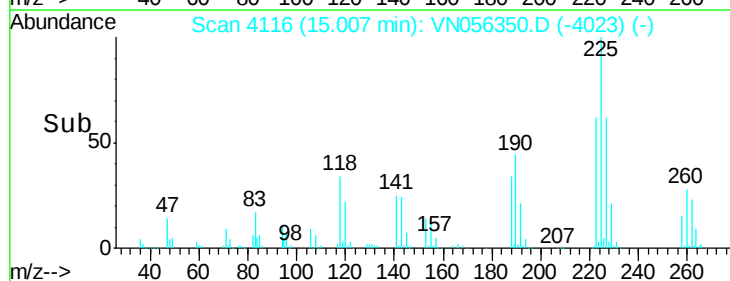
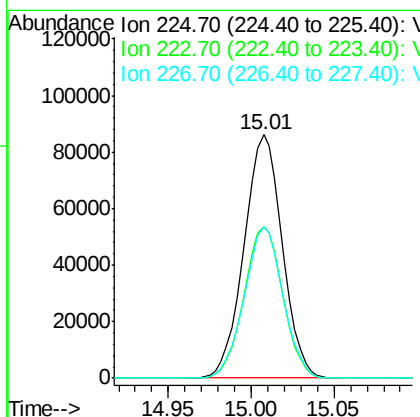
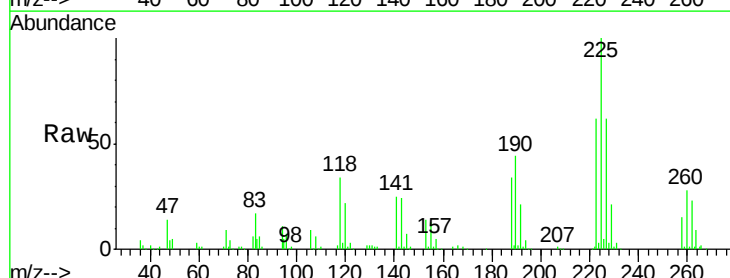
Manual Integrations
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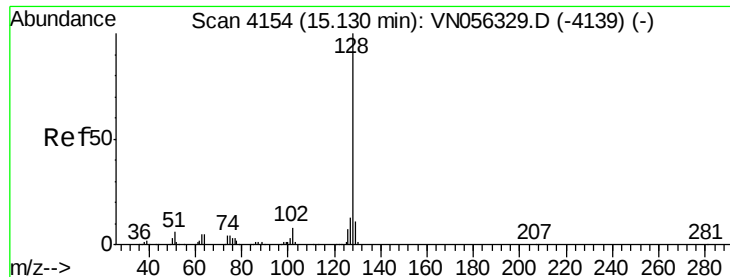
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 6/19/2019 12:19:30 PM



#94
 Hexachlorobutadiene
 Concen: 54.320 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056350.D
 Acq: 18 Jun 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138182		
223	63.1	31.2	93.6	
227	62.7	31.7	95.1	





#95

Naphthalene

Concen: 42.540 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Instrument :

MSVOA_N

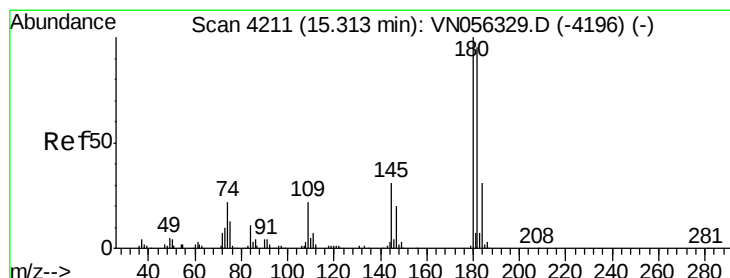
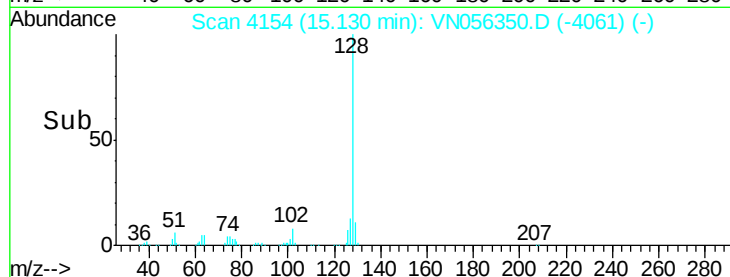
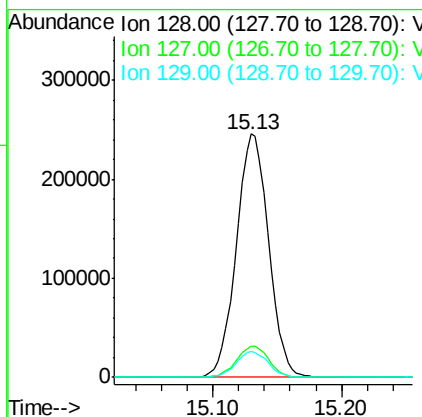
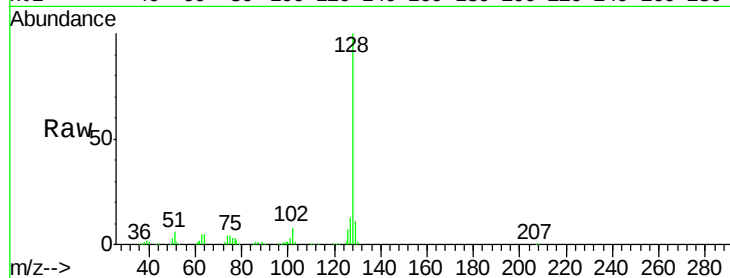
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	427002
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 44.704 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056350.D

Acq: 18 Jun 2019 8:50

Tgt Ion:	180	Resp:	179466
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.1	141.4
145	30.8	14.9	44.9

