

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN056999.D
 Acq On : 31 Jul 2019 8:55
 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
 8/2/2019 10:54:20 PM

Quant Time: Aug 01 01:29:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	534568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	740883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	682896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	265672	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.58	113	250768	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.08	98	949569	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.40	95	312710	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	287606	53.219	ug/l	98
3) Chloromethane	2.05	50	309283	47.793	ug/l	100
4) Vinyl Chloride	2.18	62	289526	47.715	ug/l	99
5) Bromomethane	2.54	94	166449	44.124	ug/l	97
6) Chloroethane	2.69	64	157981	47.230	ug/l	100
7) Trichlorofluoromethane	3.00	101	402426	50.664	ug/l	100
8) Diethyl Ether	3.40	74	145429	48.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	244994	49.750	ug/l	99
10) Methyl Iodide	3.94	142	350984	53.338	ug/l	100
11) Tert butyl alcohol	4.77	59	156778	211.963	ug/l	100
12) 1,1-Dichloroethene	3.72	96	232157	49.407	ug/l	100
13) Acrolein	3.59	56	59046	154.665	ug/l	98
14) Allyl chloride	4.31	41	360008	47.101	ug/l	98
15) Acrylonitrile	4.97	53	521153	240.267	ug/l	99
16) Acetone	3.80	43	538074	271.424	ug/l	98
17) Carbon Disulfide	4.04	76	593880	47.564	ug/l	99
18) Methyl Acetate	4.31	43	273412	43.234	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	674830	48.166	ug/l	99
20) Methylene Chloride	4.53	84	273393	47.876	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	246618	49.419	ug/l	97
22) Diisopropyl ether	5.94	45	768407	48.793	ug/l	97
23) Vinyl Acetate	5.88	43	2599535	238.240	ug/l	99
24) 1,1-Dichloroethane	5.83	63	450479	48.482	ug/l	100
25) 2-Butanone	6.82	43	687453	244.554	ug/l	99
26) 2,2-Dichloropropane	6.81	77	338234	47.874	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	287398	48.692	ug/l	100
28) Bromochloromethane	7.18	49	200071	45.809	ug/l	98
29) Tetrahydrofuran	7.19	42	419002	228.456	ug/l	98
30) Chloroform	7.36	83	451086	47.482	ug/l	99
31) Cyclohexane	7.64	56	415445	46.205	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	375411	49.526	ug/l	99
36) 1,1-Dichloropropene	7.78	75	341389	52.366	ug/l	99
37) Ethyl Acetate	6.91	43	255281	48.892	ug/l	99
38) Carbon Tetrachloride	7.76	117	326921	53.015	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	436117	52.341	ug/l	99
40) Benzene	8.03	78	1041079	51.848	ug/l	98
41) Methacrylonitrile	7.16	41	123496	51.163	ug/l	92
42) 1,2-Dichloroethane	8.11	62	323790	51.451	ug/l	100
43) Isopropyl Acetate	8.15	43	415349	48.129	ug/l #	93
44) Trichloroethene	8.82	130	294237	53.189	ug/l	99
45) 1,2-Dichloropropane	9.11	63	278285	51.814	ug/l	100
46) Dibromomethane	9.20	93	173402	53.536	ug/l	97
47) Bromodichloromethane	9.39	83	338571	53.166	ug/l	99
48) Methyl methacrylate	9.19	41	208746	50.101	ug/l	98
49) 1,4-Dioxane	9.19	88	89155	1038.335	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1289715	251.523	ug/l	99
52) Toluene	10.15	92	654034	54.214	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	349562	52.897	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	408087	53.111	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	248722	51.409	ug/l	98
56) Ethyl methacrylate	10.42	69	343091	47.065	ug/l	99
57) 1,3-Dichloropropane	10.70	76	415374	51.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	607001	209.368	ug/l	99
59) 2-Hexanone	10.74	43	939643	238.079	ug/l	100
60) Dibromochloromethane	10.90	129	269163	54.303	ug/l	99
61) 1,2-Dibromoethane	11.00	107	252104	53.396	ug/l	100
64) Tetrachloroethene	10.62	164	318573	54.135	ug/l	98
65) Chlorobenzene	11.43	112	714844	51.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	262522	50.113	ug/l	98
67) Ethyl Benzene	11.50	91	1251553	52.028	ug/l	100
68) m/p-Xylenes	11.61	106	942088	106.118	ug/l	100
69) o-Xylene	11.94	106	450230	51.837	ug/l	100
70) Styrene	11.96	104	758578	49.435	ug/l	100
71) Bromoform	12.12	173	187780	51.342	ug/l #	98
73) Isopropylbenzene	12.24	105	1223751	48.001	ug/l	99
74) N-amyl acetate	12.07	43	332194	44.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	315009	48.825	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	274757m	45.864	ug/l	
77) Bromobenzene	12.52	156	322222	48.427	ug/l	97
78) n-propylbenzene	12.59	91	1352469	49.685	ug/l	99
79) 2-Chlorotoluene	12.67	91	803690	47.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1038296	49.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	86540	46.414	ug/l	98
82) 4-Chlorotoluene	12.77	91	776067	49.476	ug/l	100
83) tert-Butylbenzene	12.99	119	898372	48.501	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1023716	50.848	ug/l	100
85) sec-Butylbenzene	13.17	105	1174779	49.171	ug/l	100
86) p-Isopropyltoluene	13.28	119	1073698	50.618	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	512052	50.592	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	489228	50.211	ug/l	100
89) n-Butylbenzene	13.61	91	839609	51.359	ug/l	99
90) Hexachloroethane	13.87	117	175123	47.946	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	505611	50.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45464	44.837	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	225067	44.134	ug/l	98
94) Hexachlorobutadiene	15.00	225	194027	56.172	ug/l	96
95) Naphthalene	15.12	128	545194	43.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	248516	47.945	ug/l	99

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

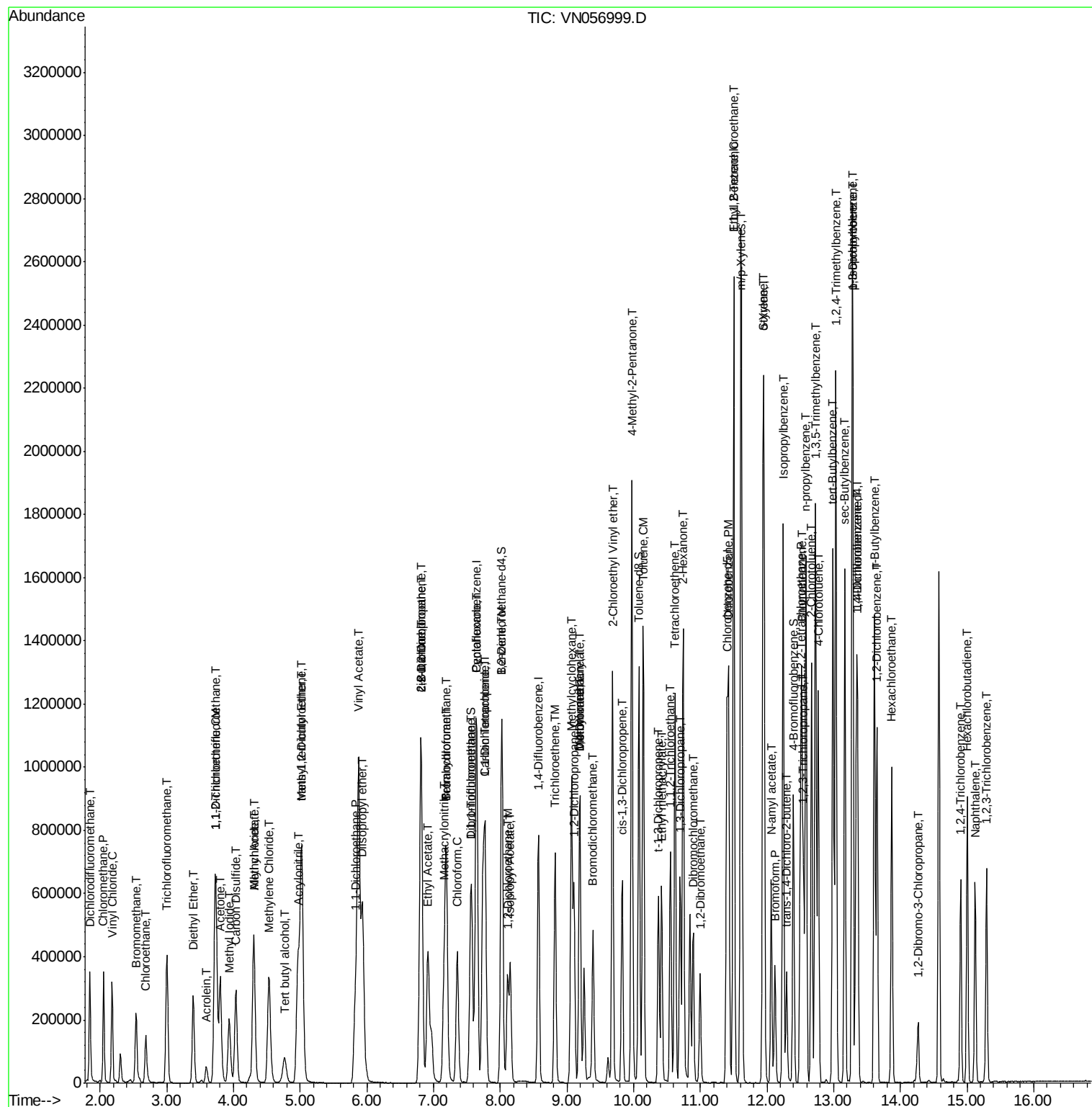
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
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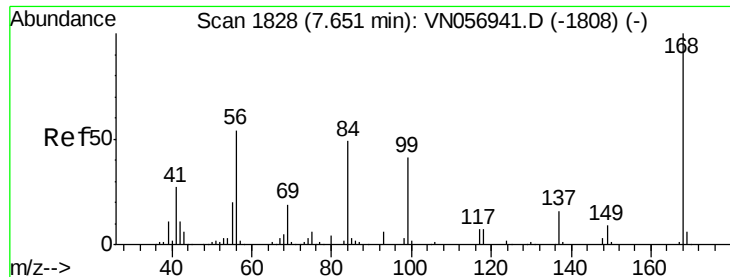
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 534568

Ion Ratio Lower Upper

168 100

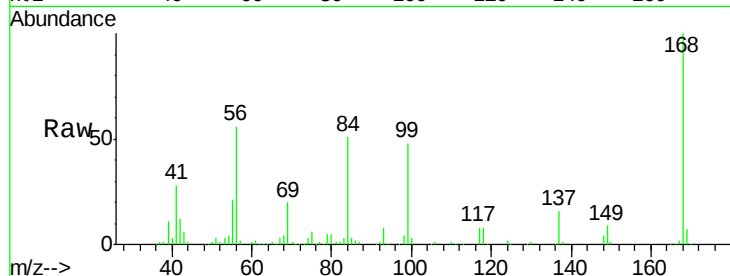
99 47.5 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

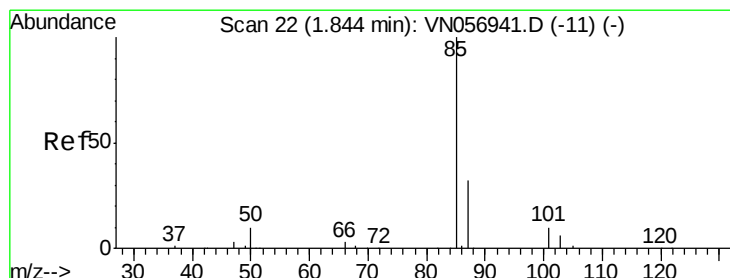
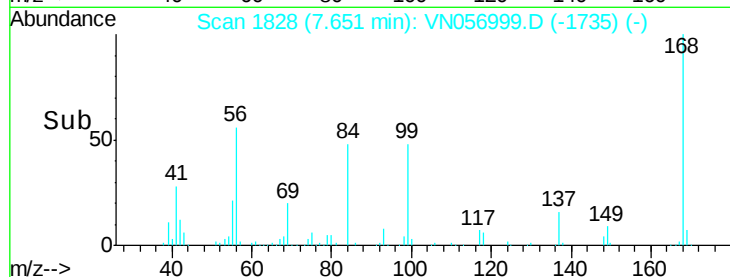
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.219 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056999.D

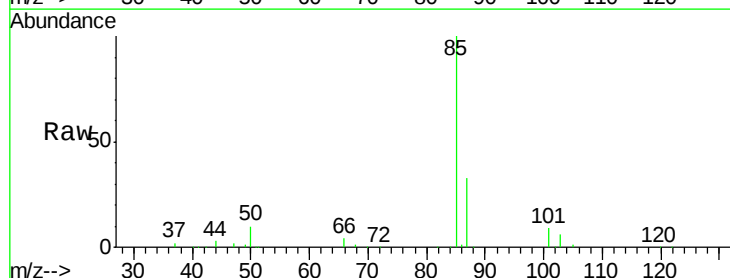
Acq: 31 Jul 2019 8:55

Tgt Ion: 85 Resp: 287606

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

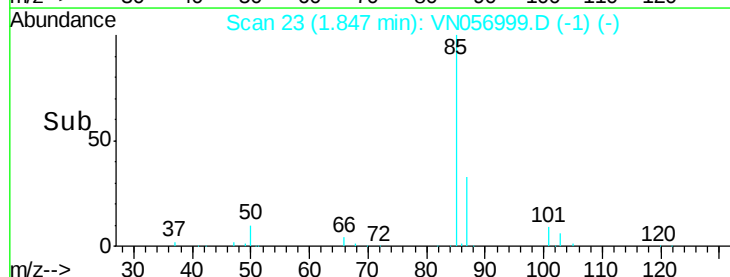
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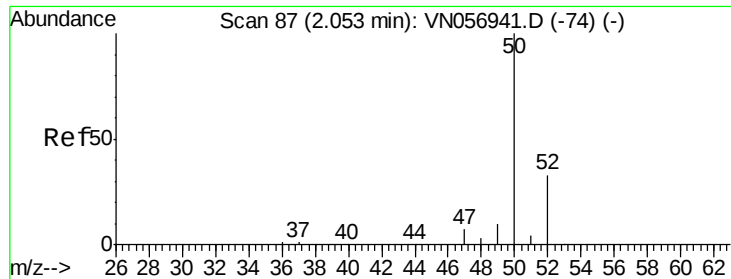
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 47.793 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 309283

Ion Ratio Lower Upper

50 100

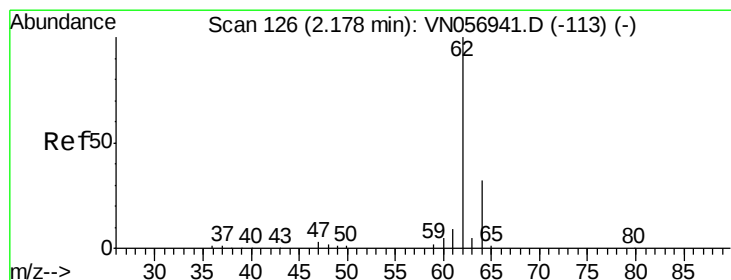
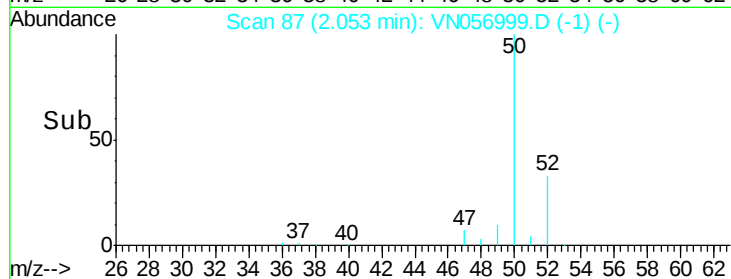
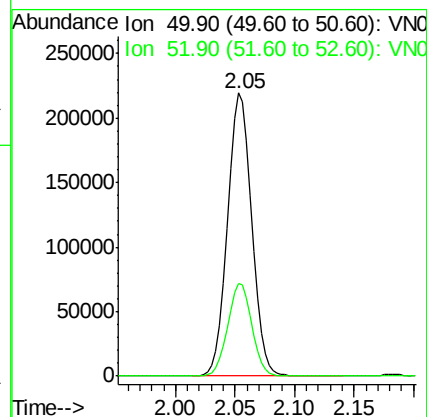
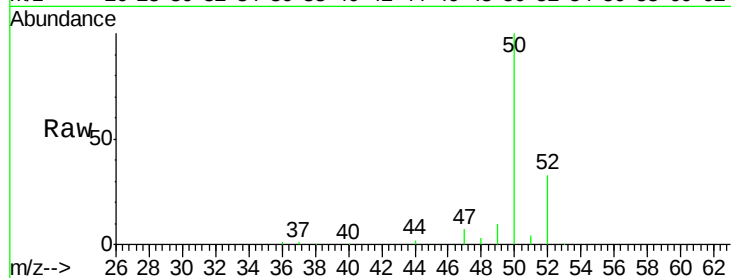
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.715 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056999.D

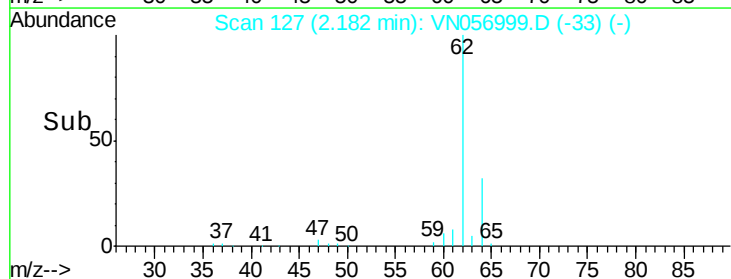
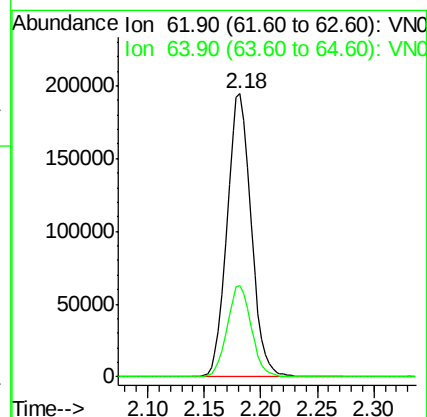
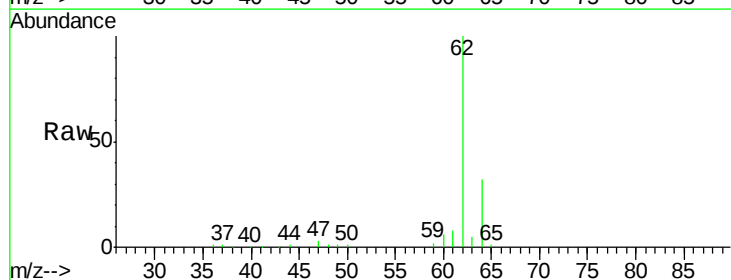
Acq: 31 Jul 2019 8:55

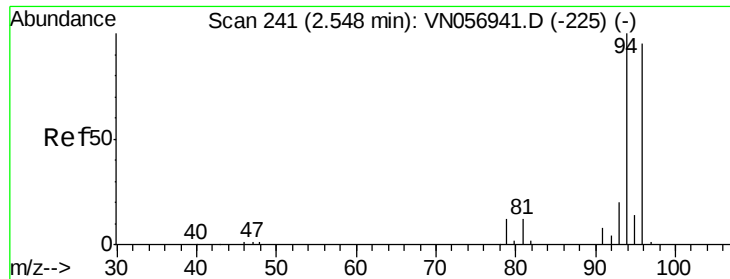
Tgt Ion: 62 Resp: 289526

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 44.124 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 166449

Ion Ratio Lower Upper

94 100

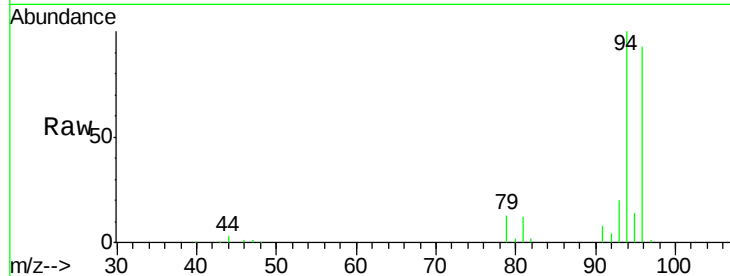
96 92.7 76.2 114.2

Manual Integrations

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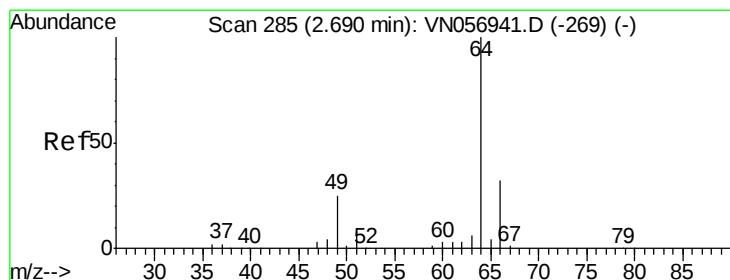
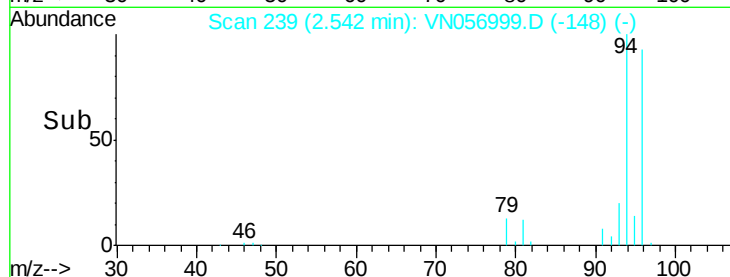
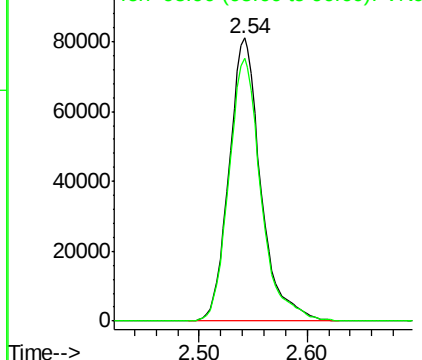
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.230 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056999.D

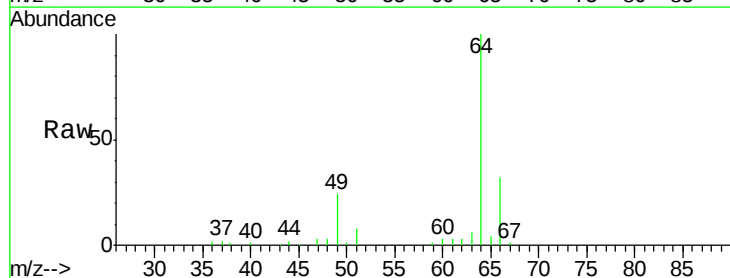
Acq: 31 Jul 2019 8:55

Tgt Ion: 64 Resp: 157981

Ion Ratio Lower Upper

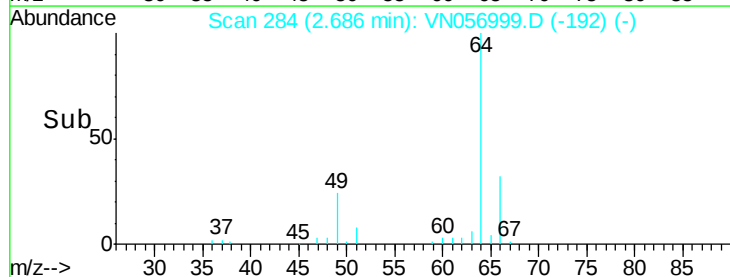
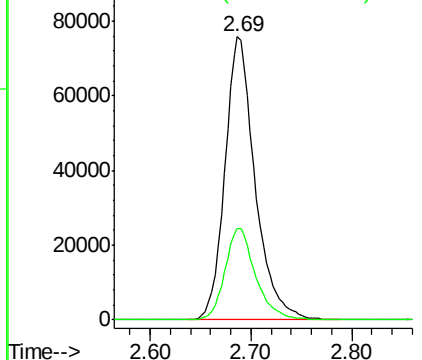
64 100

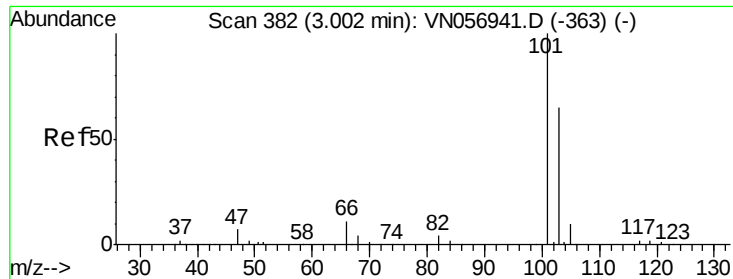
66 32.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

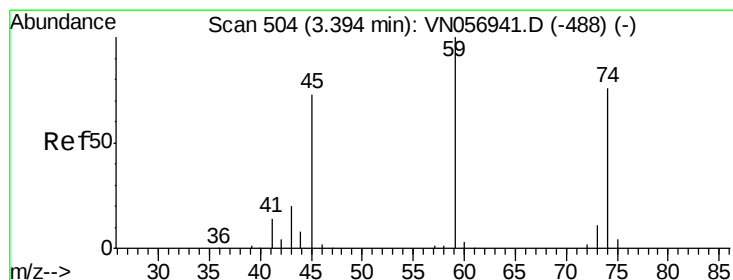
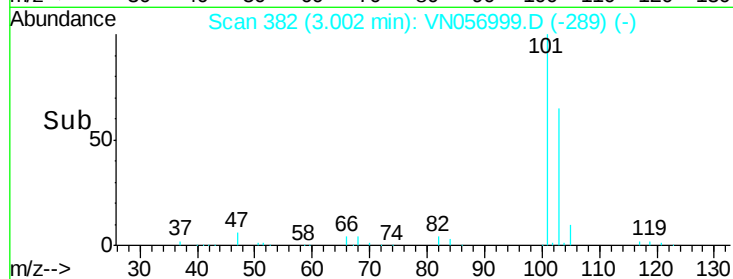
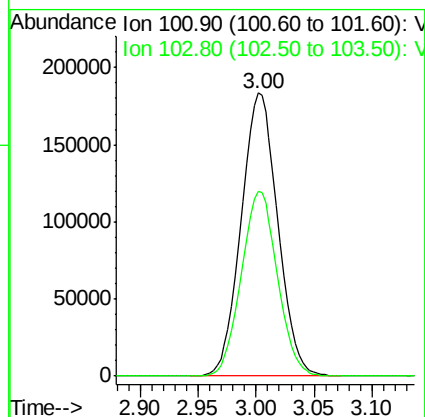
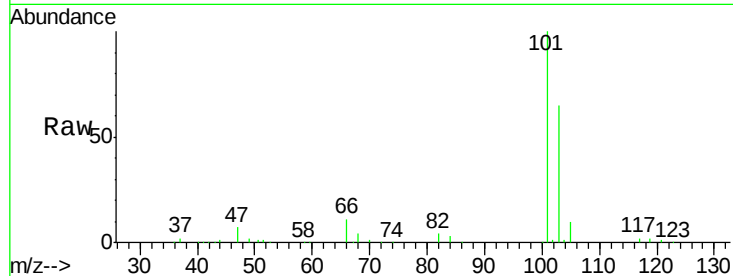
Trichlorofluoromethane
Concen: 50.664 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 402426
Ion Ratio Lower Upper
101 100
103 65.4 52.1 78.1

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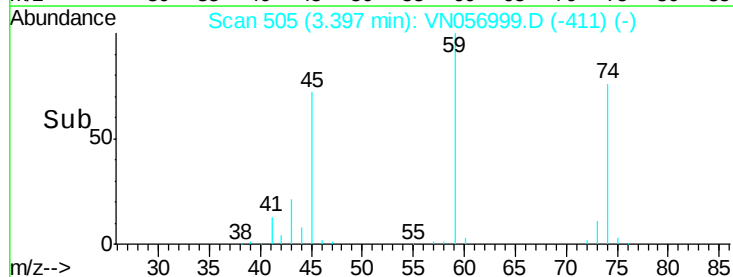
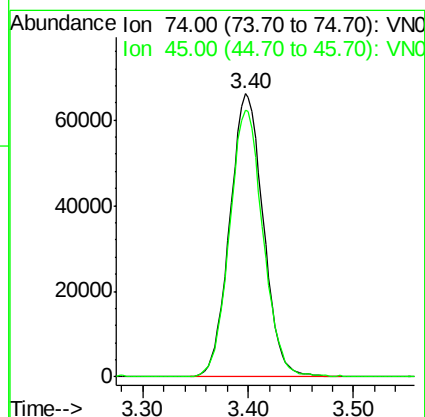
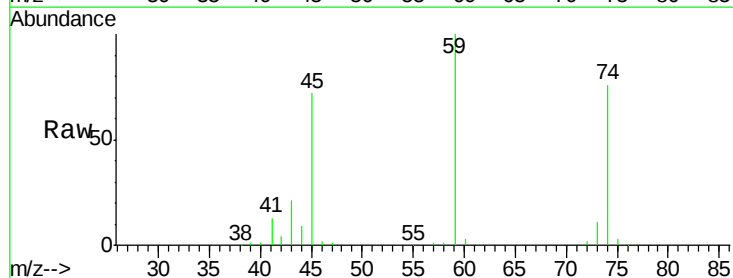
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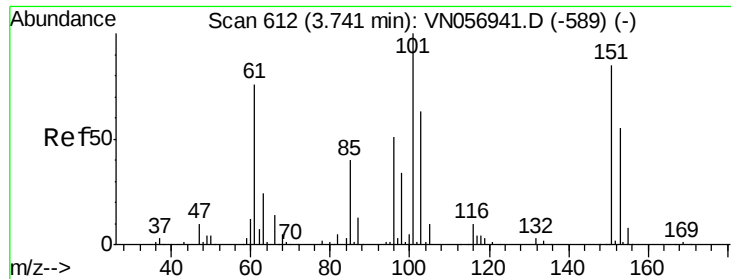


#8

Diethyl Ether
Concen: 48.922 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 74 Resp: 145429
Ion Ratio Lower Upper
74 100
45 94.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.750 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

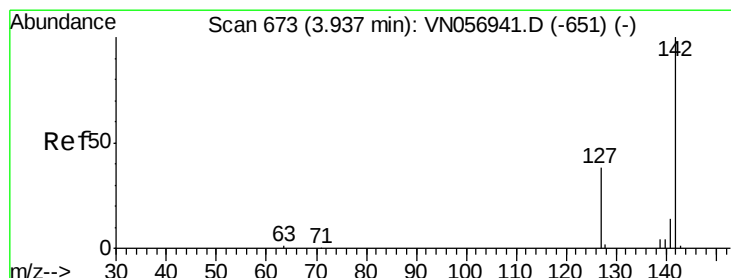
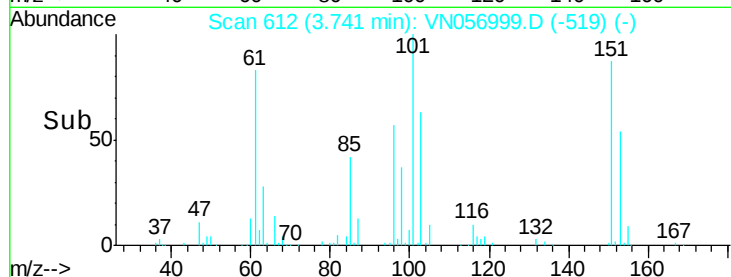
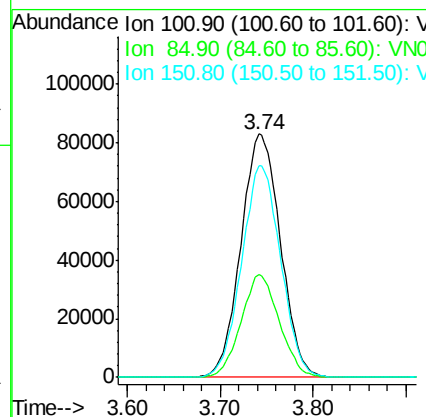
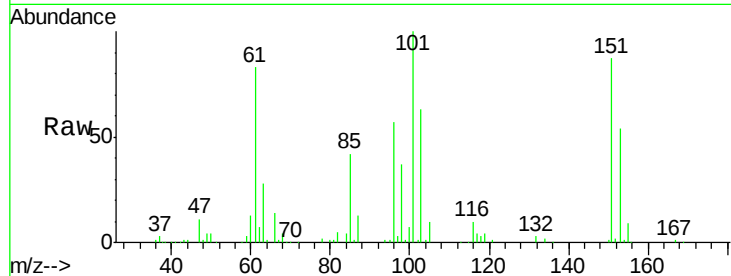
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	244994
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.3	48.5
151	86.2	68.0	102.0

Manual Integrations
APPROVED

MMdadoda
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#10

Methyl Iodide

Concen: 53.338 ug/l

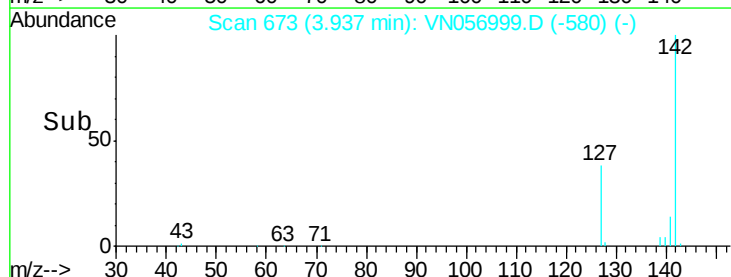
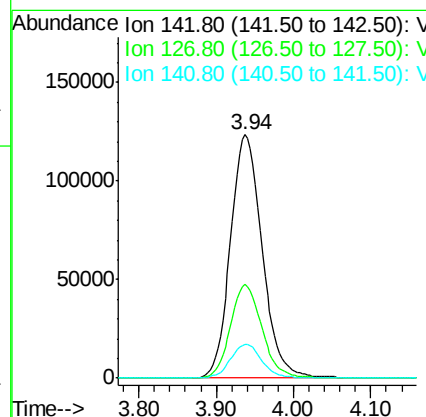
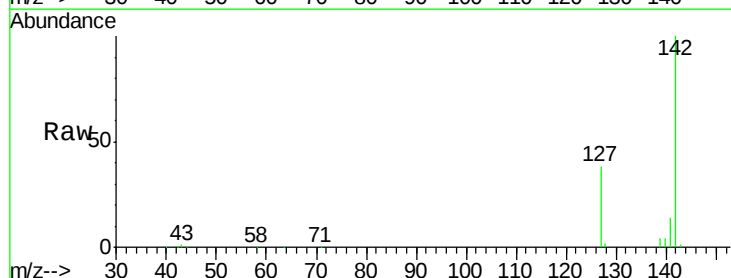
RT: 3.94 min Scan# 673

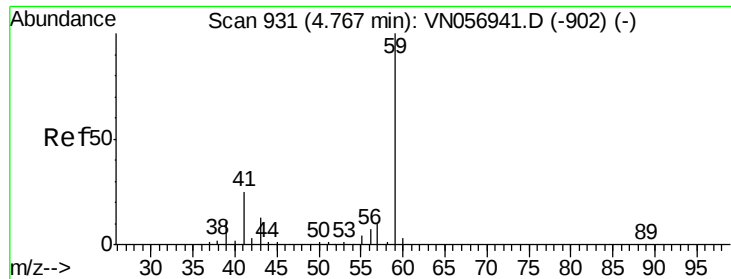
Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	142	Resp:	350984
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.4	45.6
141	13.9	11.1	16.7





#11

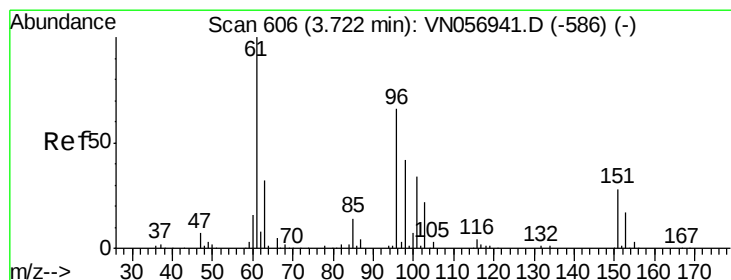
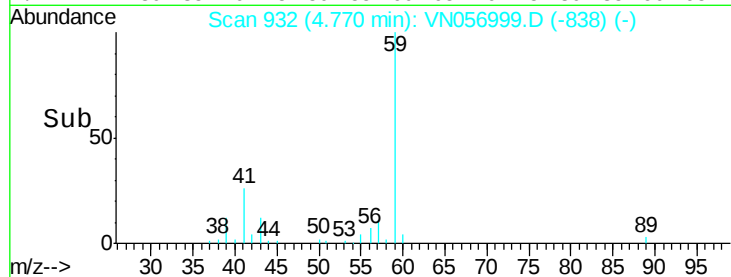
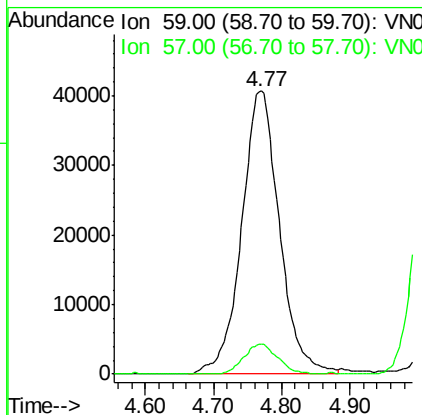
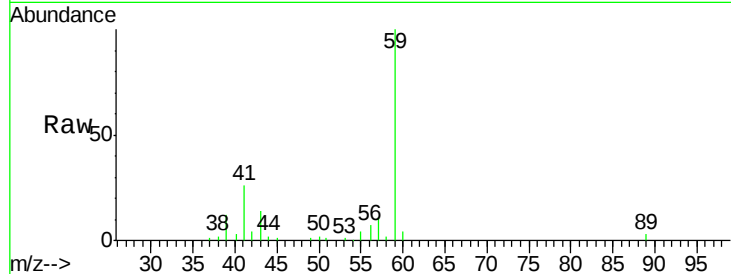
Tert butyl alcohol
Concen: 211.963 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	156778		
57	9.6		7.5	11.3

Manual Integrations
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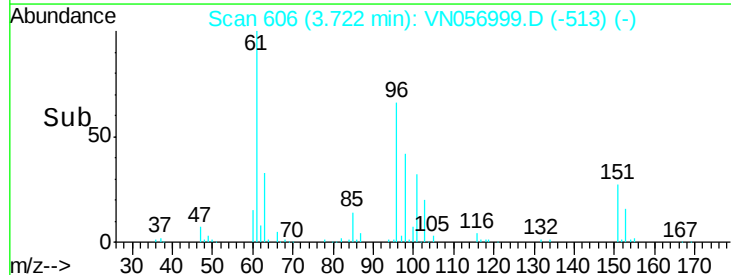
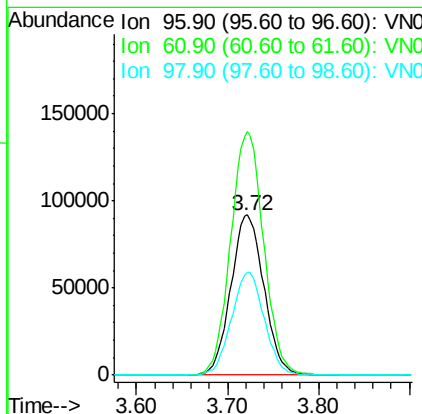
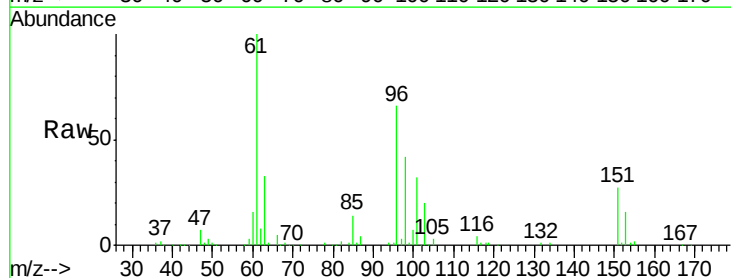
MMdadoda
8/2/2019 10:54:20 PM

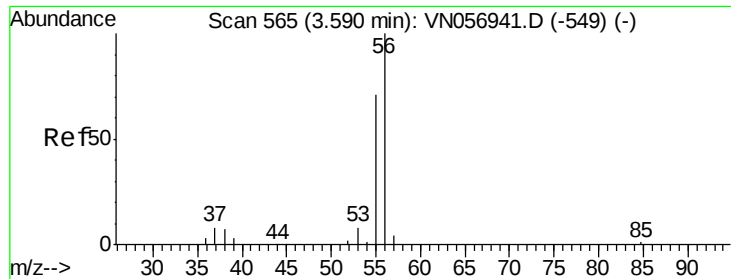


#12

1,1-Dichloroethene
Concen: 49.407 ug/l
RT: 3.72 min Scan# 606
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	232157		
61	152.0		121.8	182.8
98	64.6		51.7	77.5





#13

Acrolein

Concen: 154.665 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 59046

Ion Ratio Lower Upper

56 100

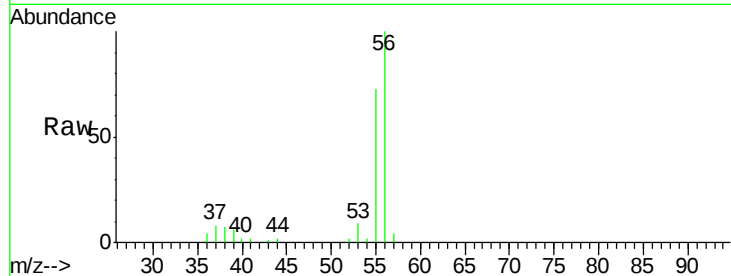
55 71.3 55.8 83.6

Manual Integrations

APPROVED

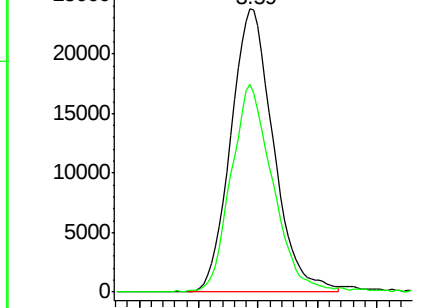
MMdadoda

8/2/2019 10:54:20 PM

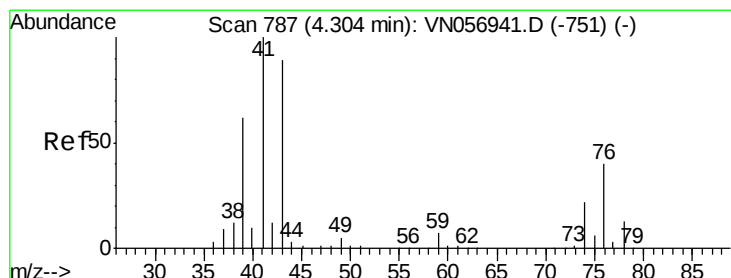
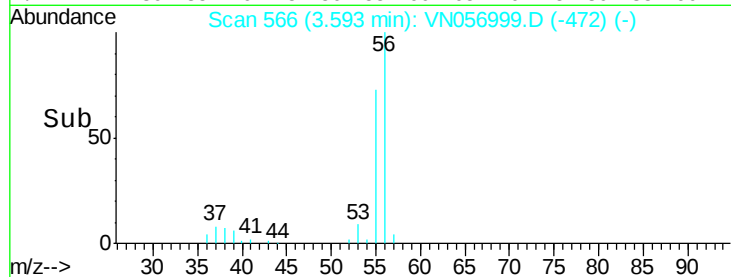


Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)



Time-->



#14

Allyl chloride

Concen: 47.101 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

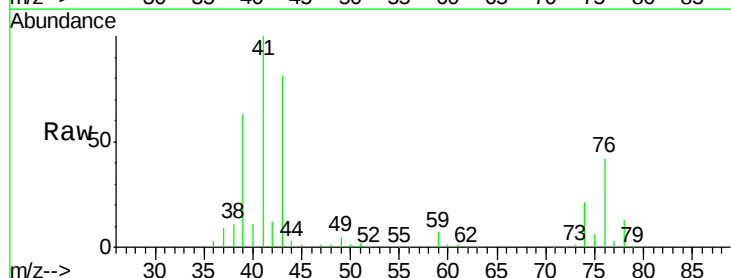
Tgt Ion: 41 Resp: 360008

Ion Ratio Lower Upper

41 100

39 59.4 46.4 69.6

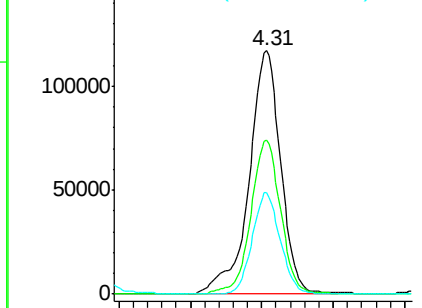
76 36.7 28.4 42.6



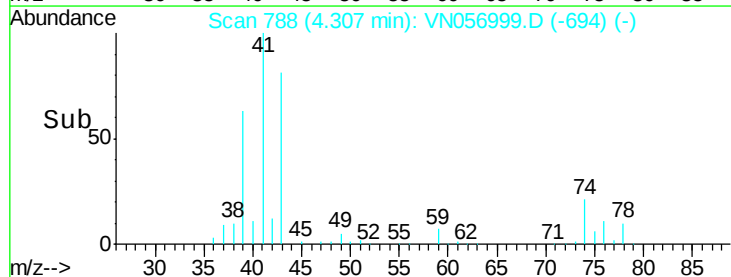
Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

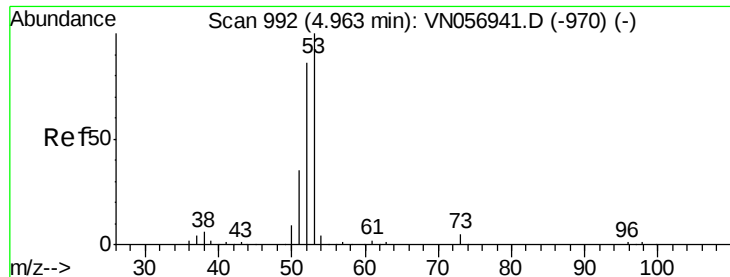
Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)



Time-->





#15

Acrylonitrile

Concen: 240.267 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

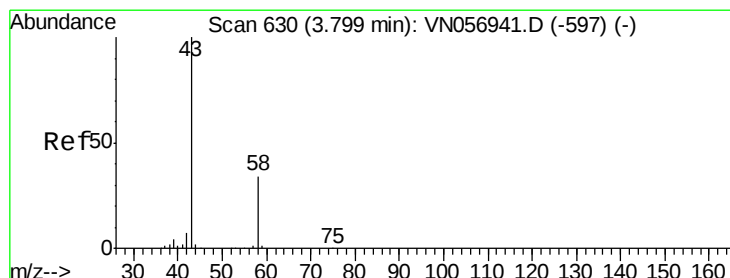
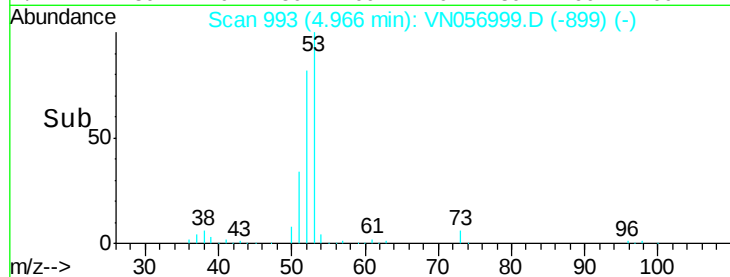
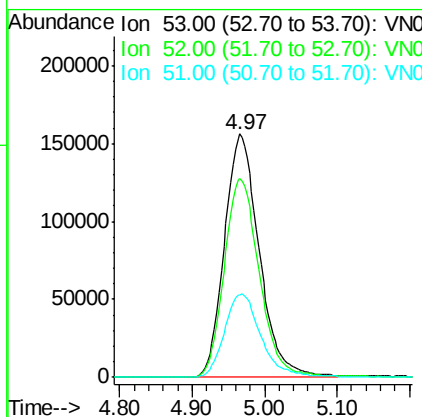
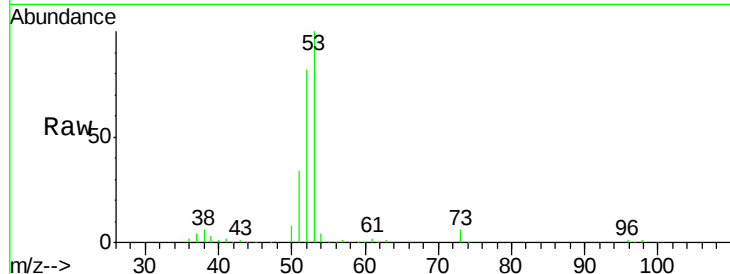
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	521153
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.9	28.4	42.6

Manual Integrations
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MMDadoda
8/2/2019 10:54:20 PM



#16

Acetone

Concen: 271.424 ug/l

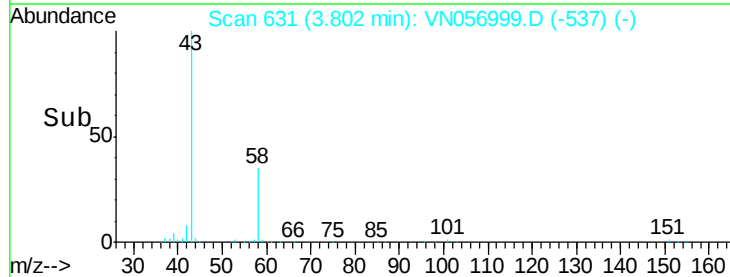
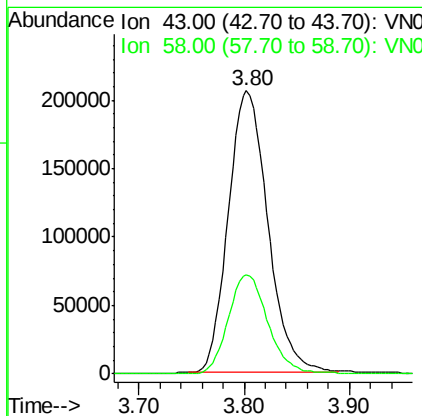
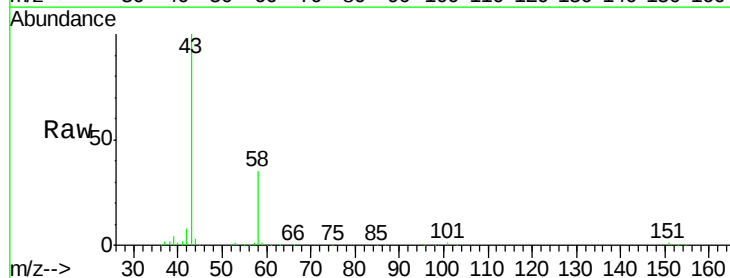
RT: 3.80 min Scan# 631

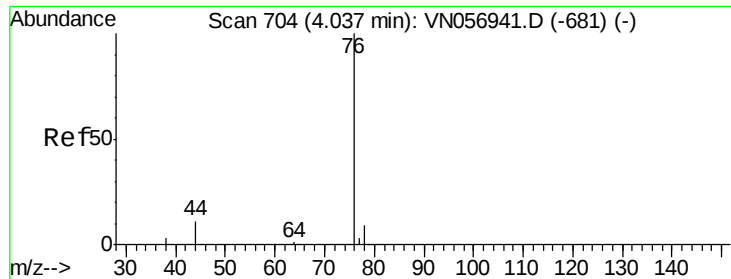
Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	43	Resp:	538074
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.2	40.8





#17

Carbon Disulfide

Concen: 47.564 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tot Ion: 76 Resp: 593880

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

Instrument :

MSVOA_N

ClientSampled :

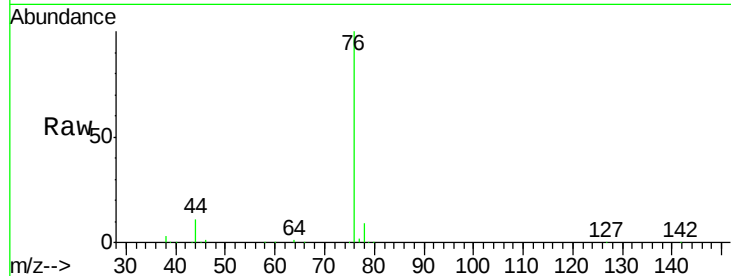
VSTDCCC050

Manual Integrations

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MMdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

250000

200000

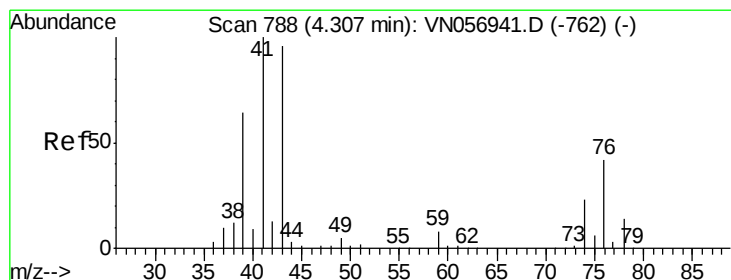
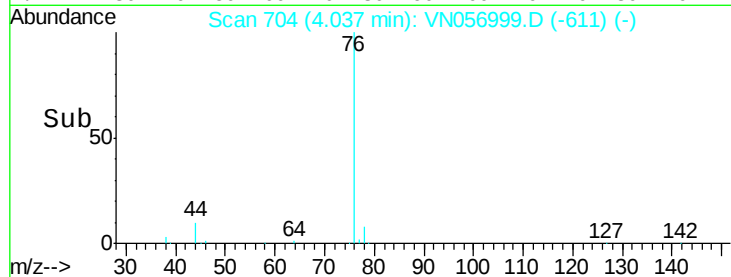
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.234 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN056999.D

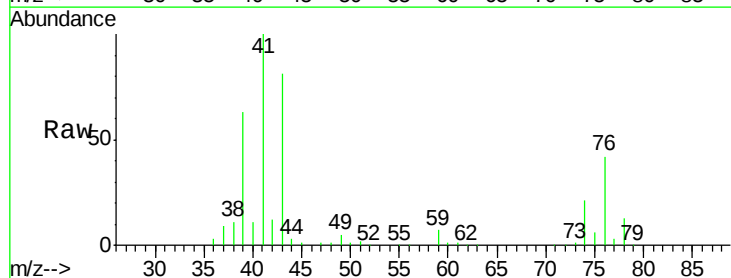
Acq: 31 Jul 2019 8:55

Tgt Ion: 43 Resp: 273412

Ion Ratio Lower Upper

43 100

74 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.31

100000

80000

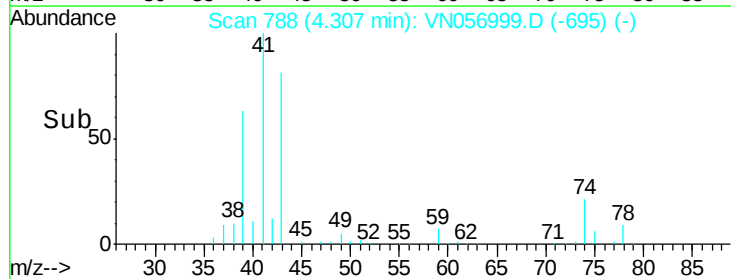
60000

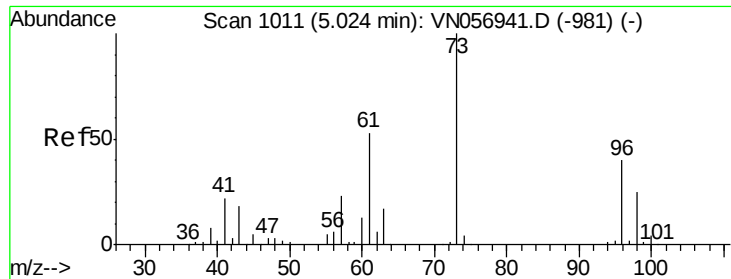
40000

20000

0

Time-->





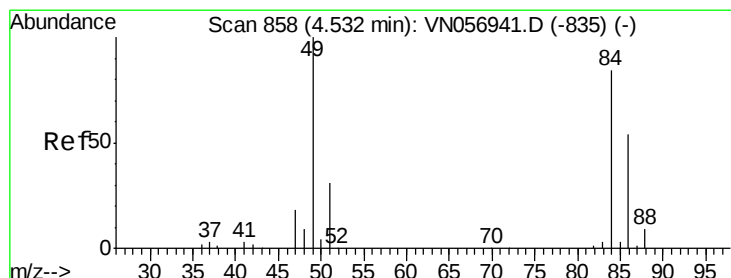
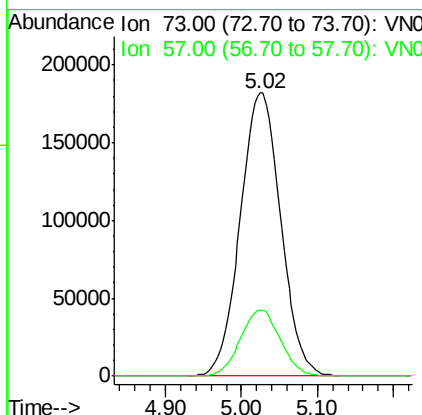
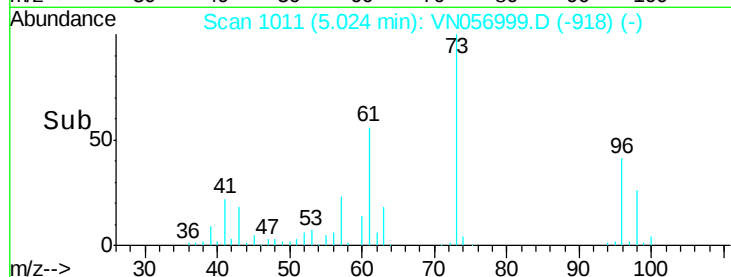
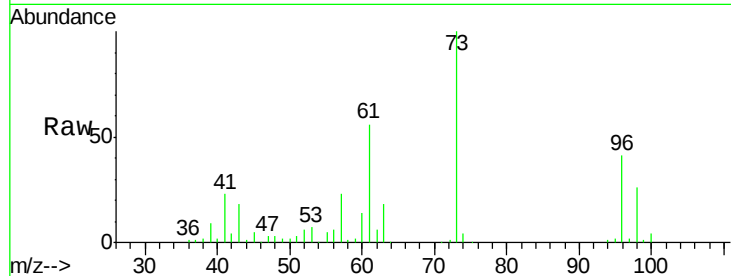
#19
Methvl tert-butvl Ether
Concen: 48.166 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 674830
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5

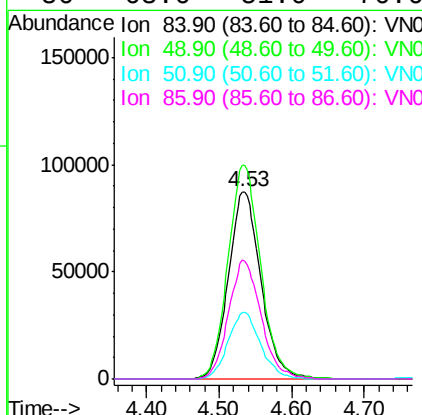
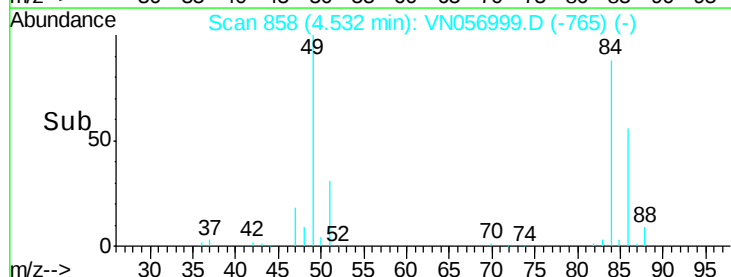
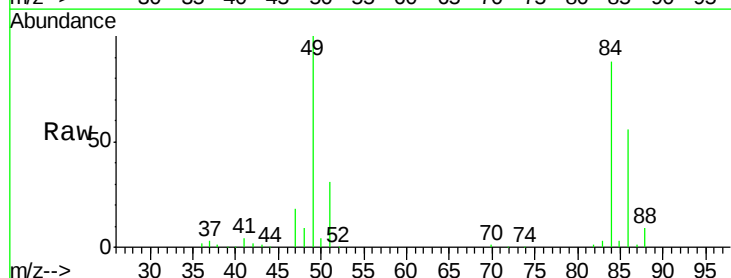
Manual Integrations
APPROVED

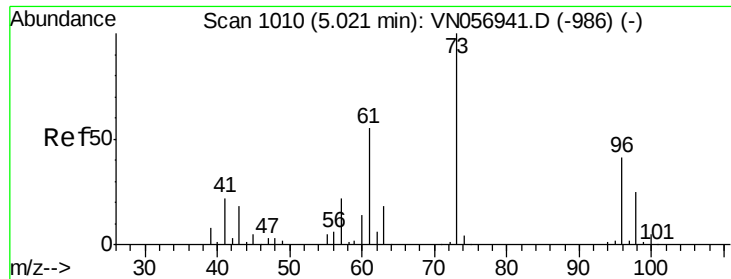
MMdadoda
8/2/2019 10:54:20 PM



#20
Methylene Chloride
Concen: 47.876 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 84 Resp: 273393
Ion Ratio Lower Upper
84 100
49 114.1 95.2 142.8
51 35.3 29.7 44.5
86 63.6 51.0 76.6





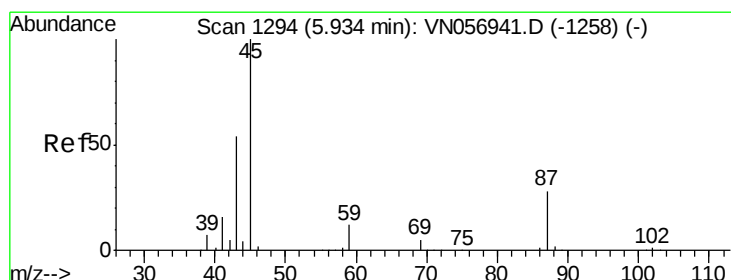
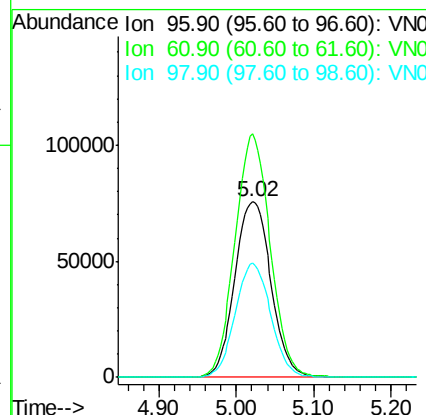
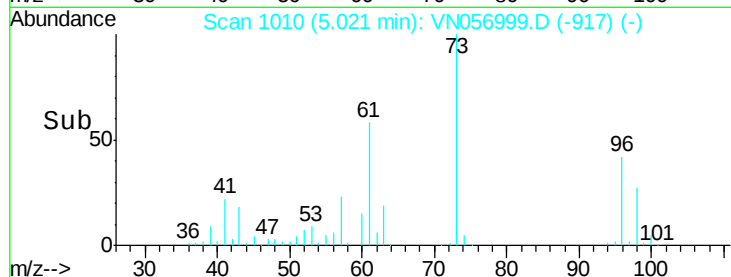
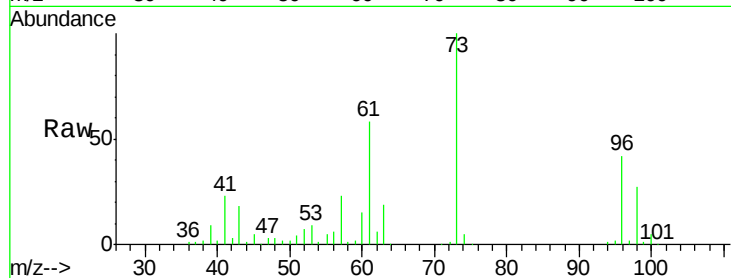
#21
trans-1,2-Dichloroethene
Concen: 49.419 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	107.5	161.3
98	64.8	49.9	74.9

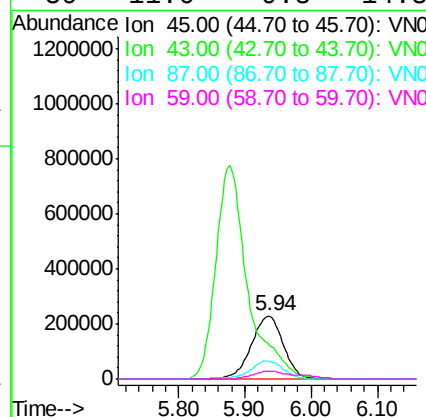
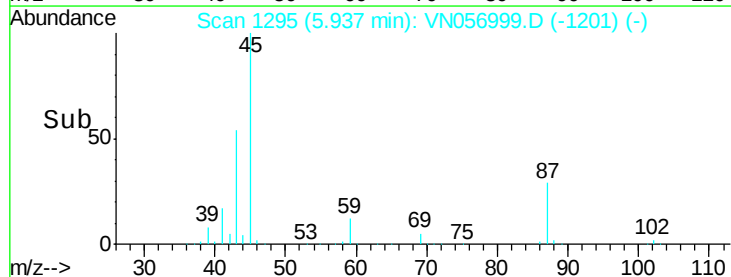
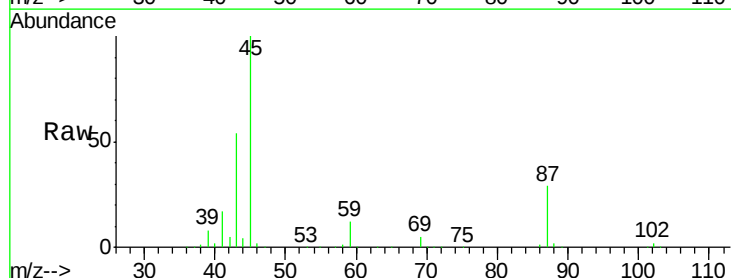
Manual Integrations
APPROVED

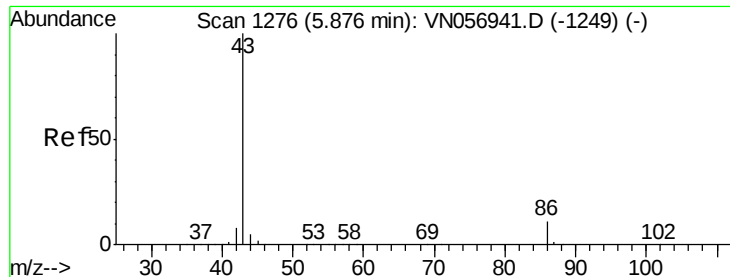
MMdadoda
8/2/2019 10:54:20 PM



#22
Diisopropyl ether
Concen: 48.793 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	44.7	67.1
87	29.0	23.0	34.6
59	11.6	9.8	14.8





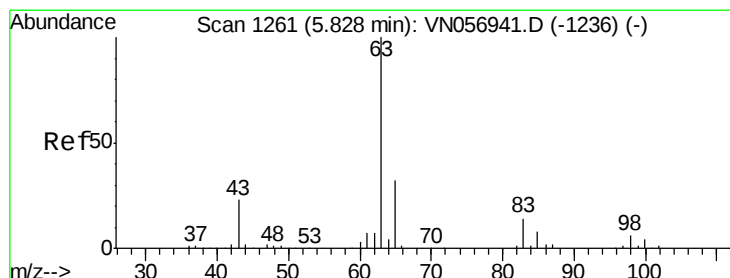
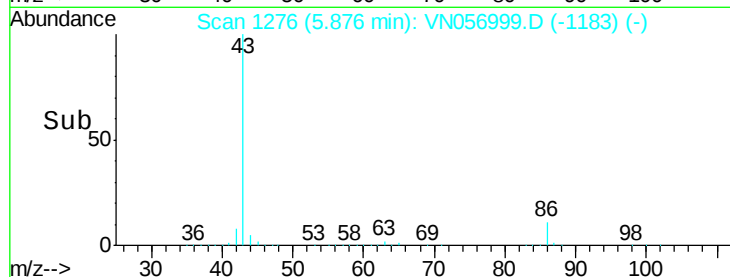
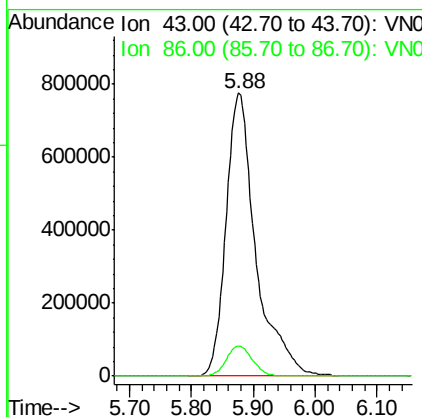
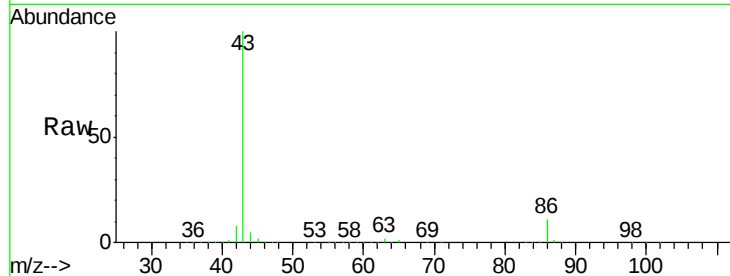
#23
 Vinyl Acetate
 Concen: 238.240 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2599535
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7

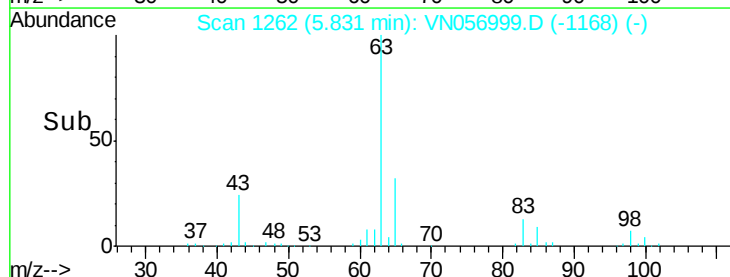
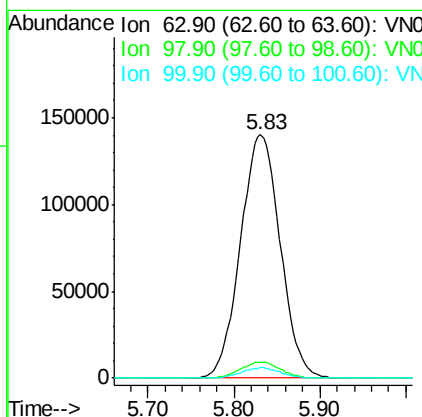
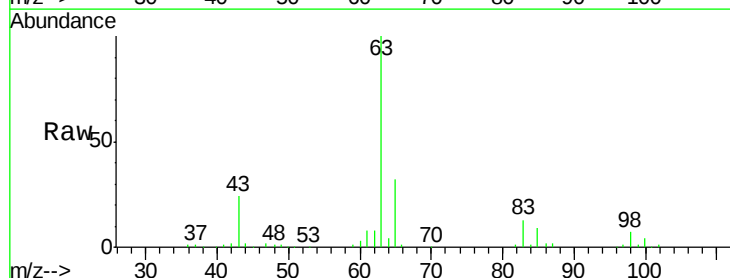
Manual Integrations
 APPROVED

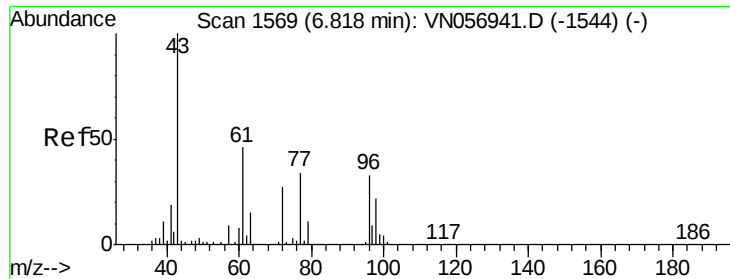
MMdadoda
 8/2/2019 10:54:20 PM



#24
 1,1-Dichloroethane
 Concen: 48.482 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 63 Resp: 450479
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 244.554 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 687453

Ion Ratio Lower Upper

43 100

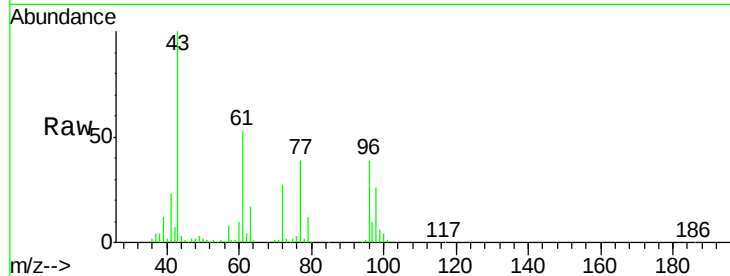
72 27.4 21.5 32.3

Manual Integrations

APPROVED

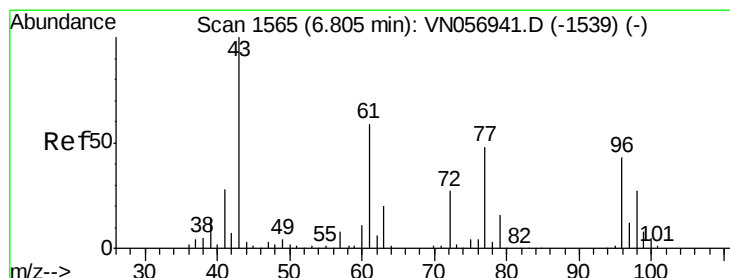
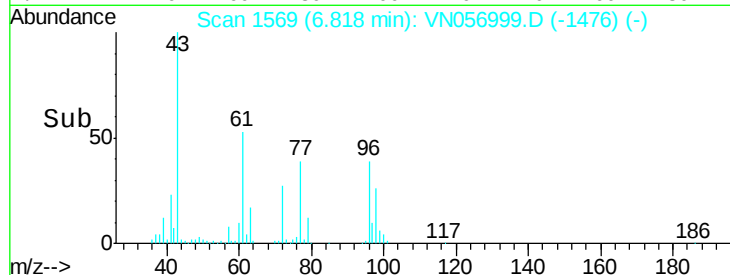
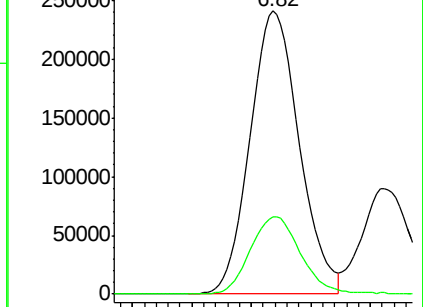
MMdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.874 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056999.D

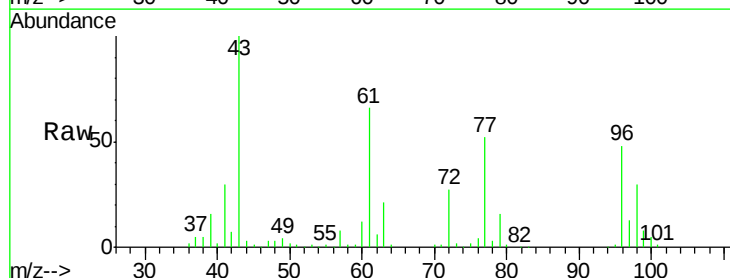
Acq: 31 Jul 2019 8:55

Tgt Ion: 77 Resp: 338234

Ion Ratio Lower Upper

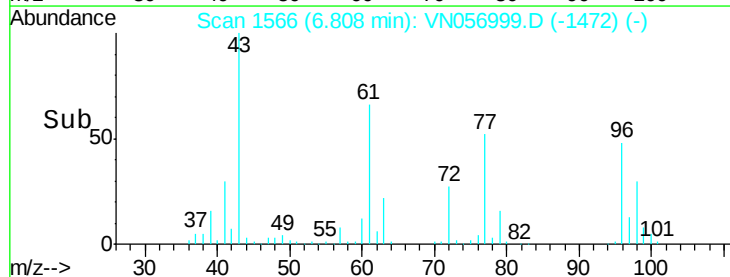
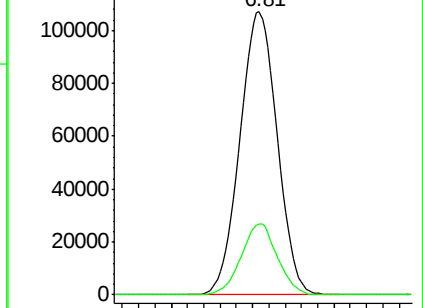
77 100

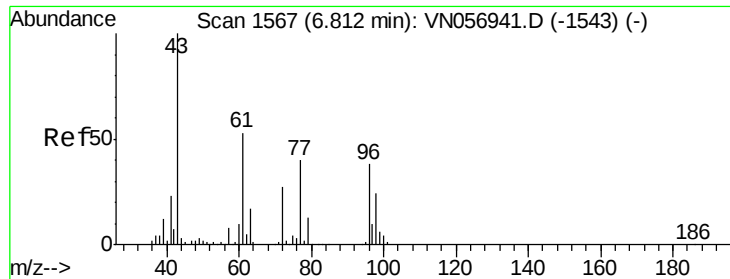
97 24.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





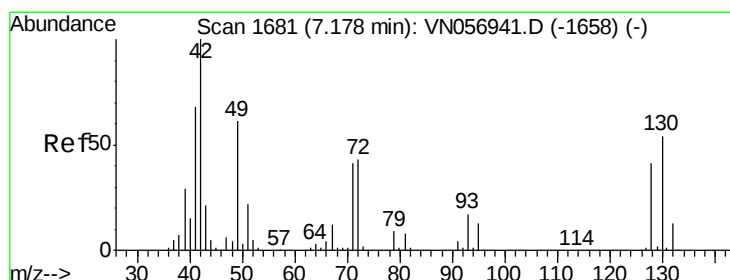
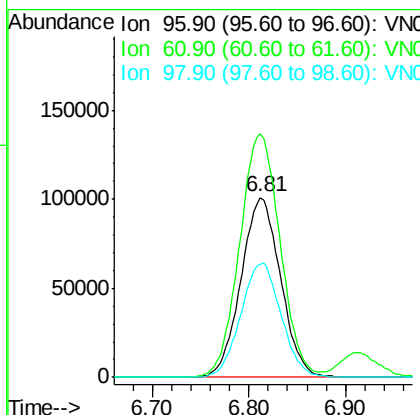
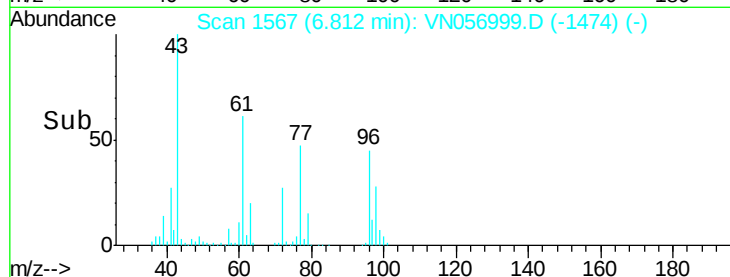
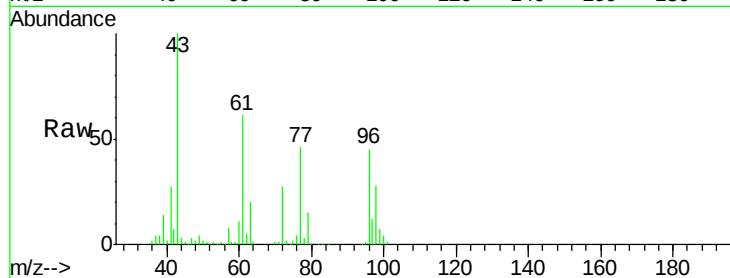
#27
 cis-1,2-Dichloroethene
 Concen: 48.692 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	287398		
61	138.6	0.0	277.2	
98	65.0	0.0	128.4	

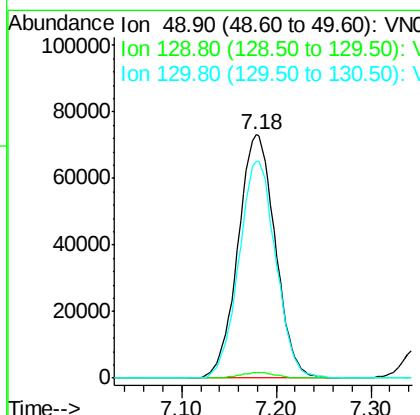
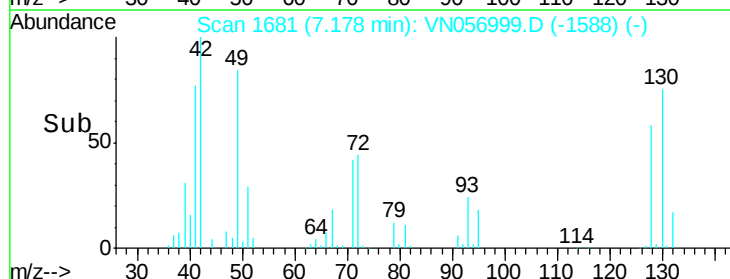
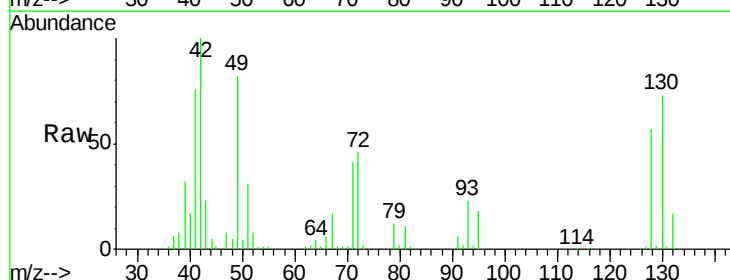
Manual Integrations
 APPROVED

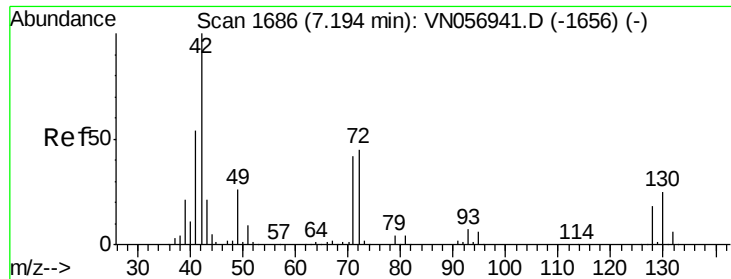
MMDadoda
 8/2/2019 10:54:20 PM



#28
 Bromochloromethane
 Concen: 45.809 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	200071		
129	2.2	0.0	4.6	
130	88.3	69.0	103.4	





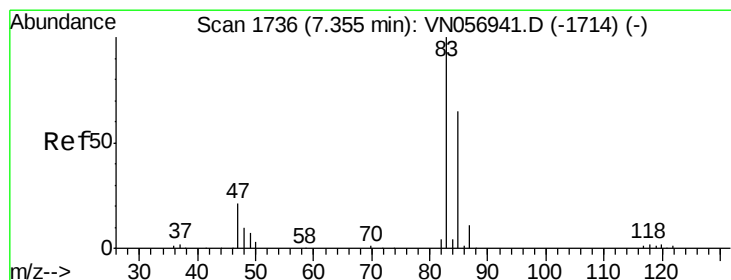
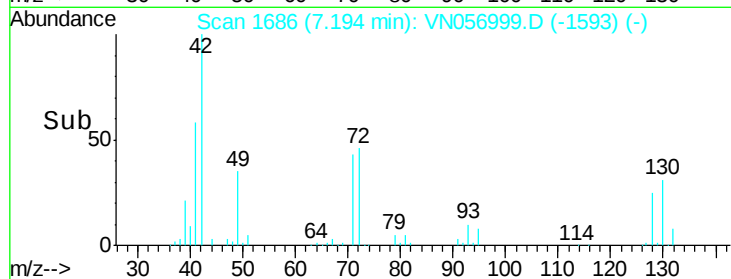
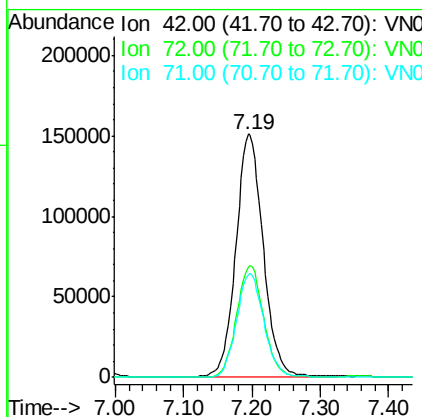
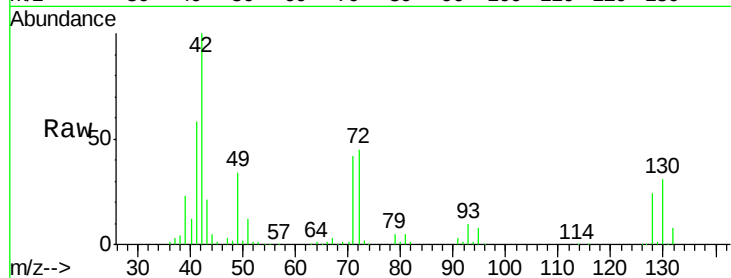
#29
Tetrahydrofuran
Concen: 228.456 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.6	53.4
71	42.9	33.5	50.3

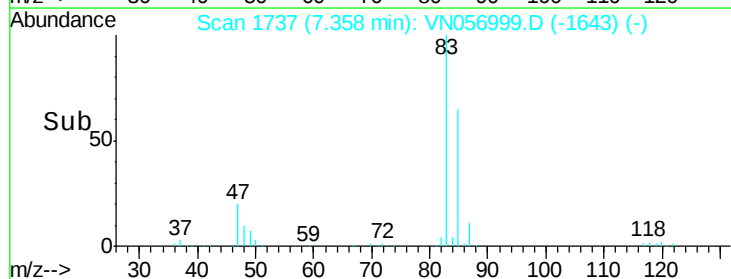
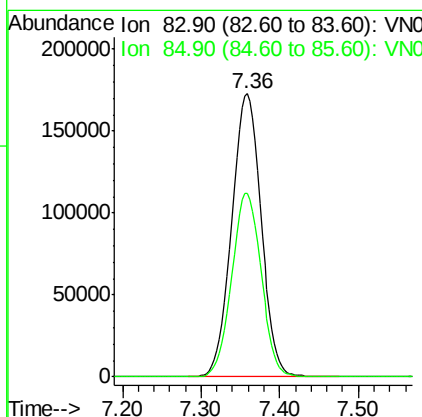
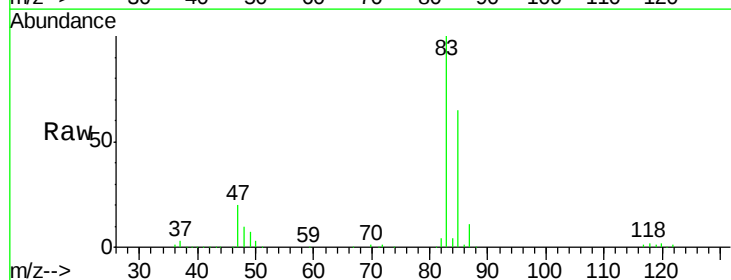
Manual Integrations
APPROVED

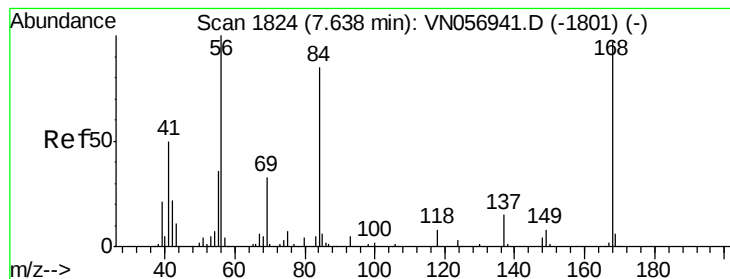
MMdadoda
8/2/2019 10:54:20 PM



#30
Chloroform
Concen: 47.482 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cyclohexane

Concen: 46.205 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

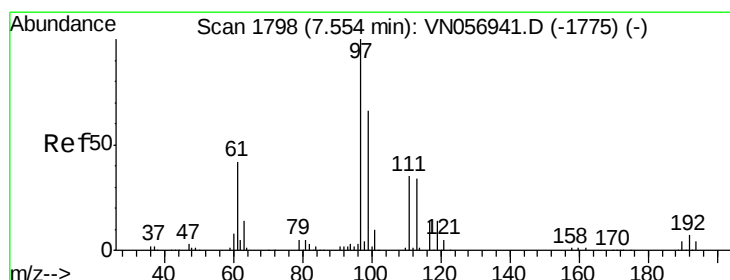
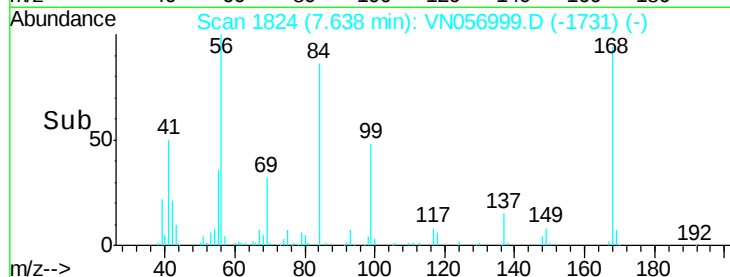
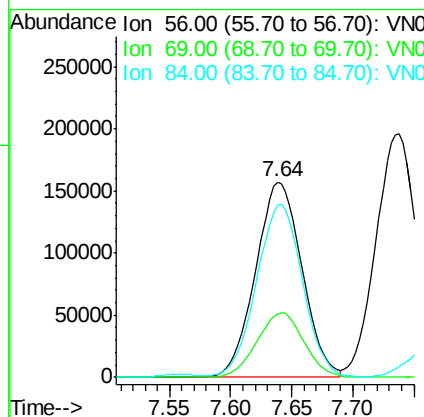
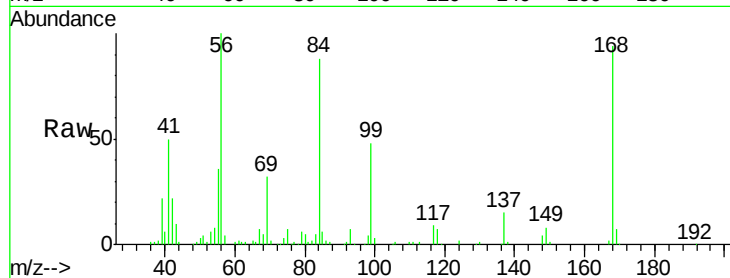
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	415445
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.2	39.2
84	86.7	68.2	102.2

Manual Integrations
APPROVED

MMdadoda
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#32

1,1,1-Trichloroethane

Concen: 49.526 ug/l

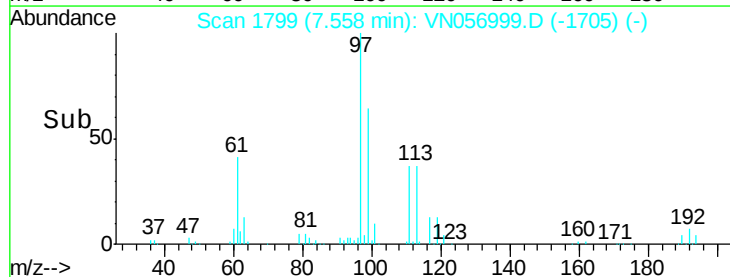
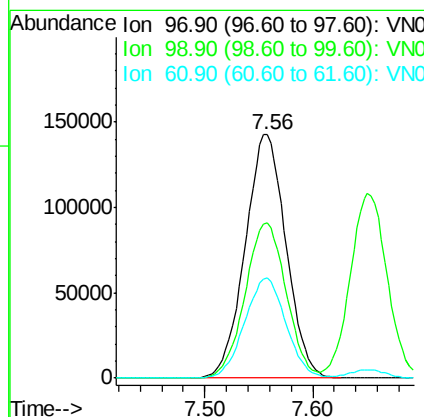
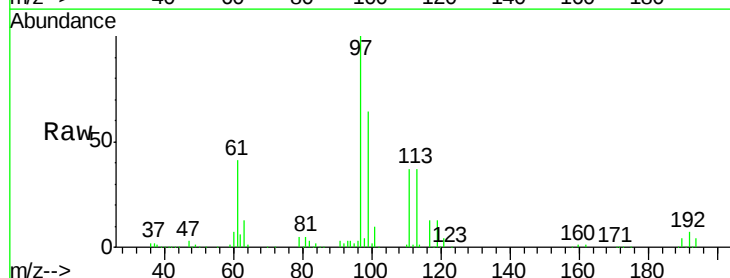
RT: 7.56 min Scan# 1799

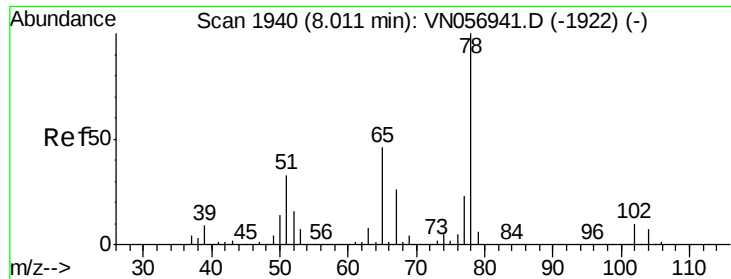
Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	97	Resp:	375411
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	41.6	33.9	50.9





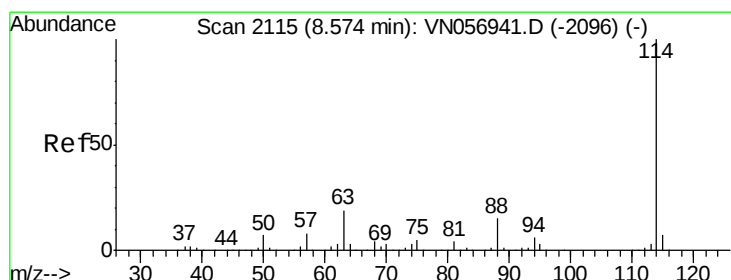
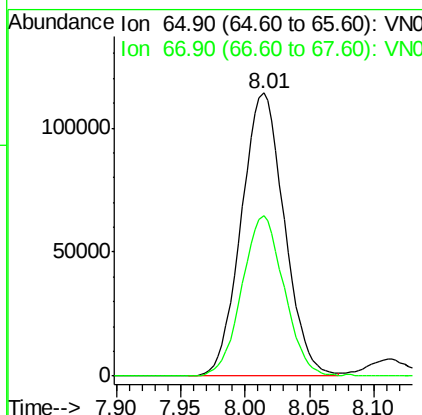
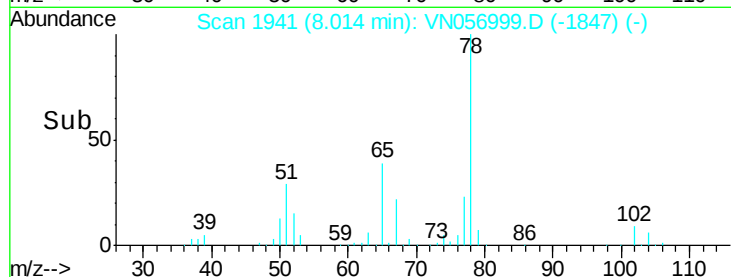
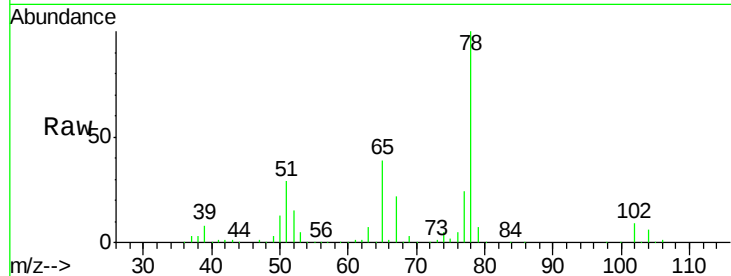
#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265672		
67	55.4	0.0	112.0	

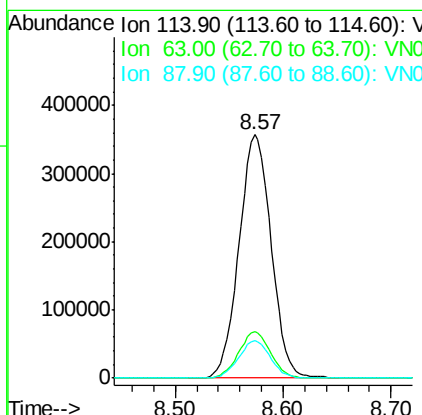
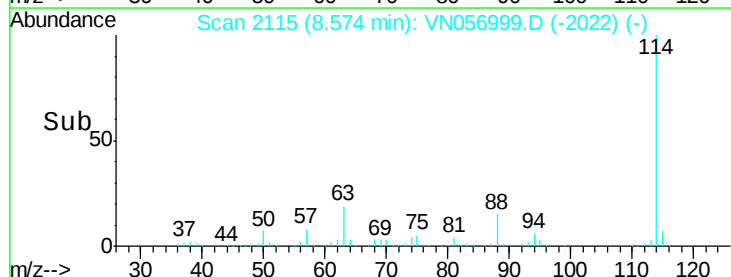
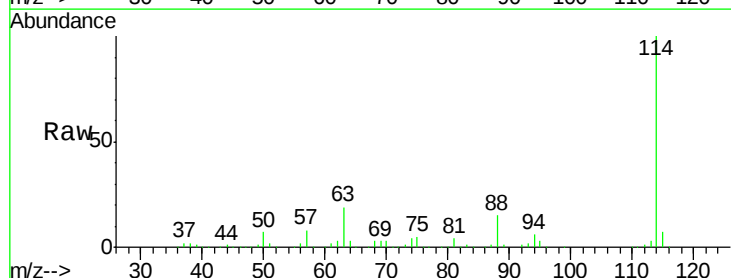
Manual Integrations
 APPROVED

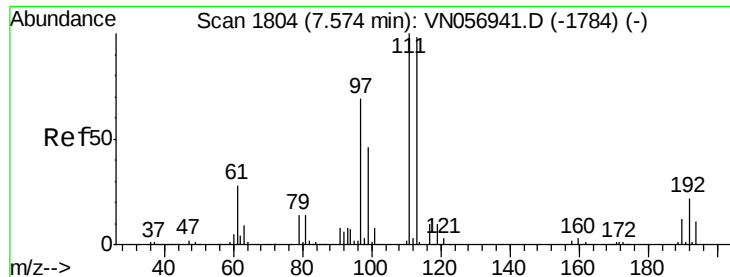
MMdadoda
 8/2/2019 10:54:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	740883		
63	19.2	0.0	38.0	
88	15.3	0.0	30.0	





#35

Dibromofluoromethane

Concen: 52.872 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

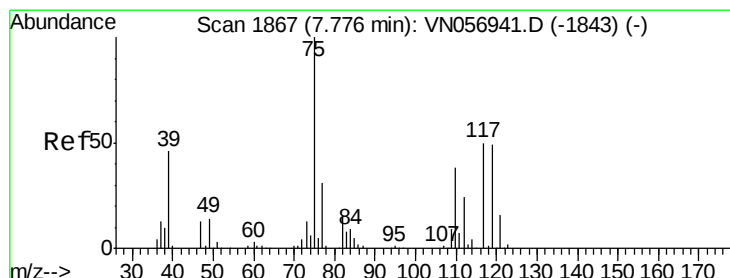
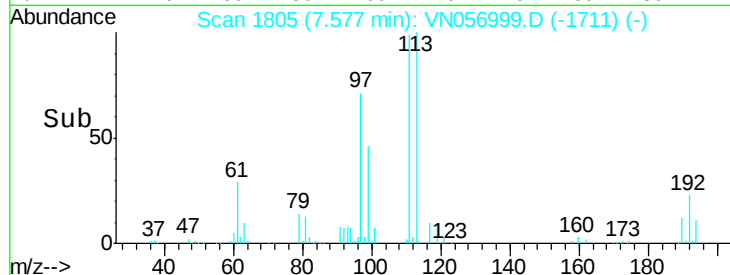
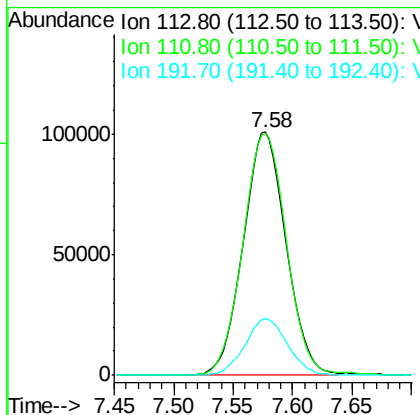
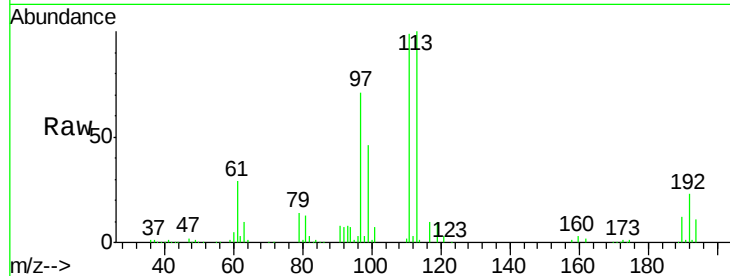
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	250768
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.0	123.0
192	23.2	18.4	27.6

Manual Integrations
APPROVED

MMdadoda
8/2/2019 10:54:20 PM



#36

1,1-Dichloropropene

Concen: 52.366 ug/l

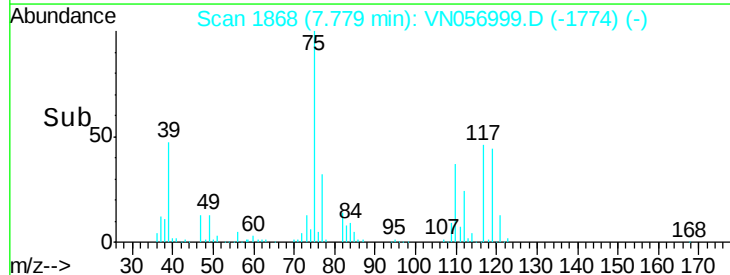
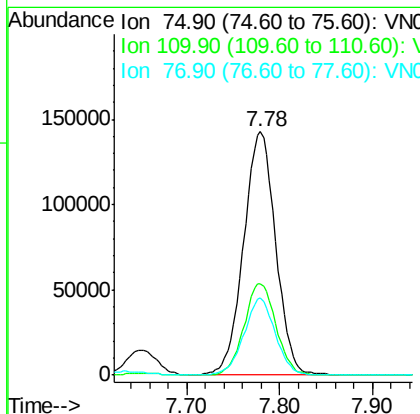
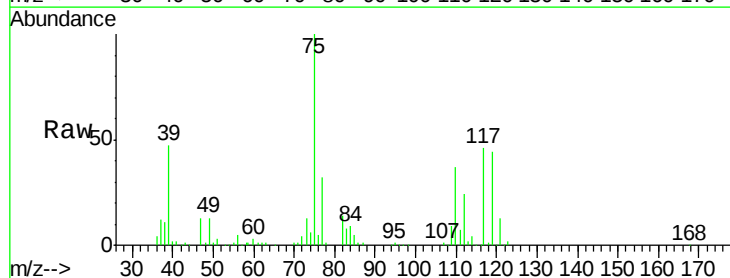
RT: 7.78 min Scan# 1868

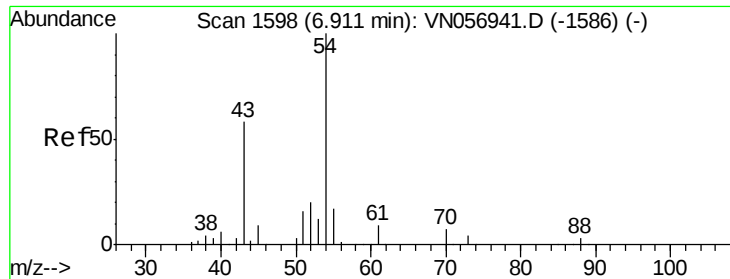
Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	75	Resp:	341389
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.6	55.8
77	31.1	25.2	37.8





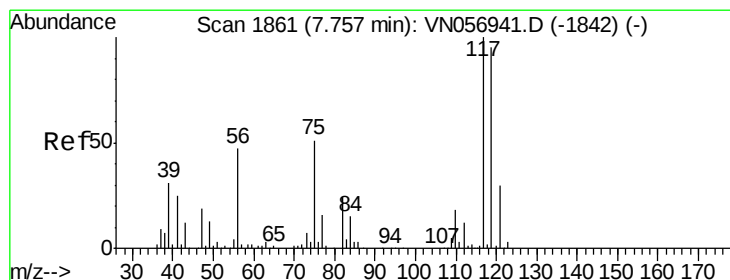
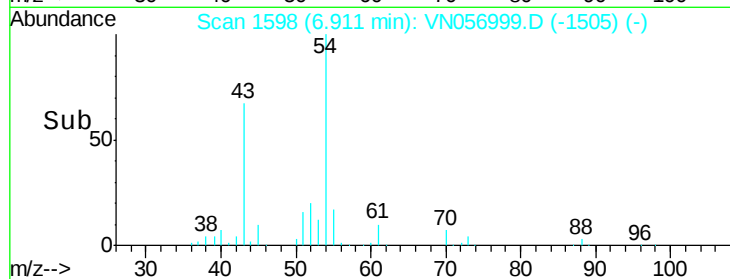
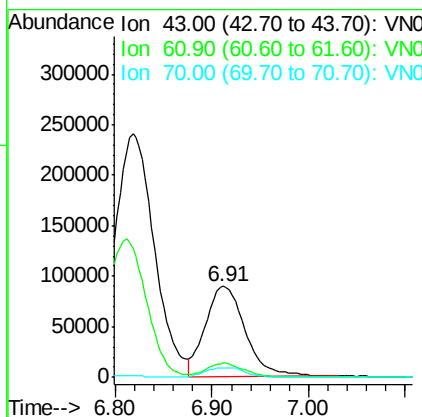
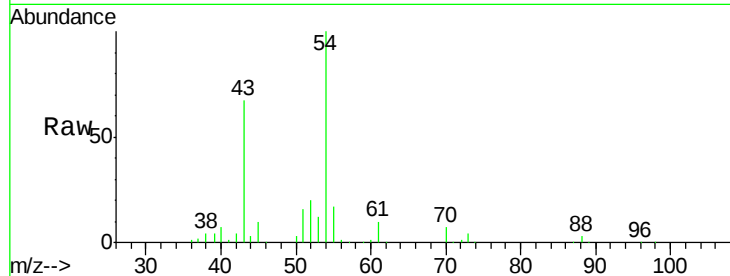
#37
Ethyl Acetate
Concen: 48.892 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.1	8.5	12.7

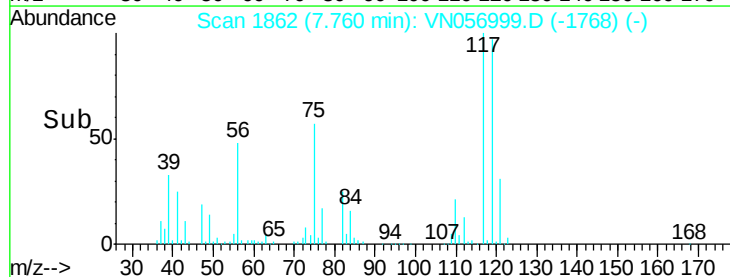
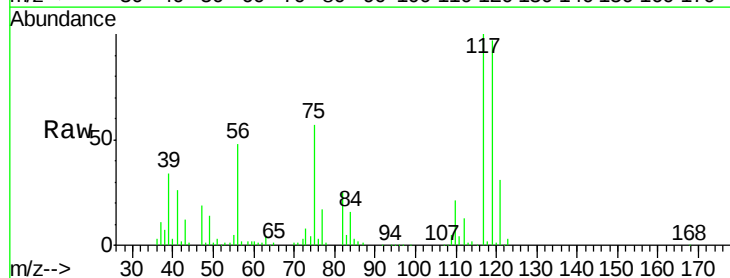
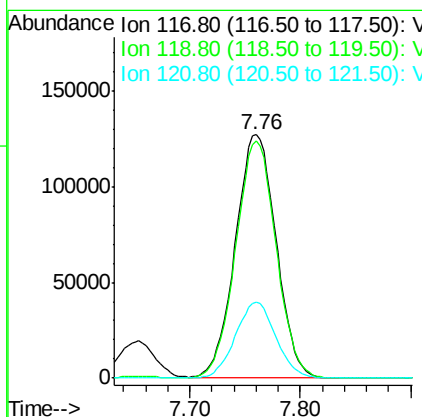
Manual Integrations
APPROVED

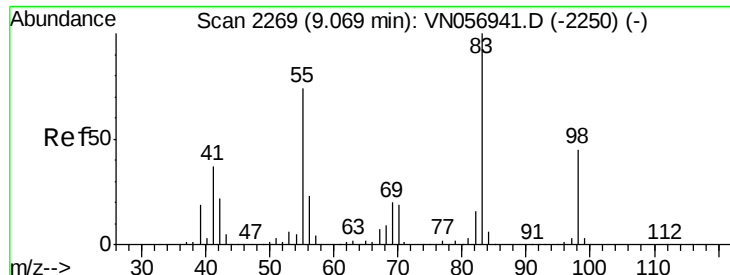
MMdadoda
8/2/2019 10:54:20 PM



#38
Carbon Tetrachloride
Concen: 53.015 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.3	112.9
121	31.4	24.2	36.4





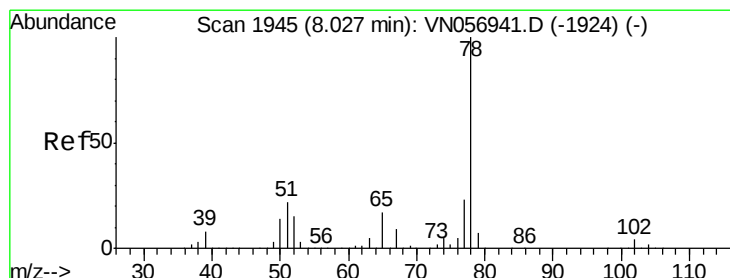
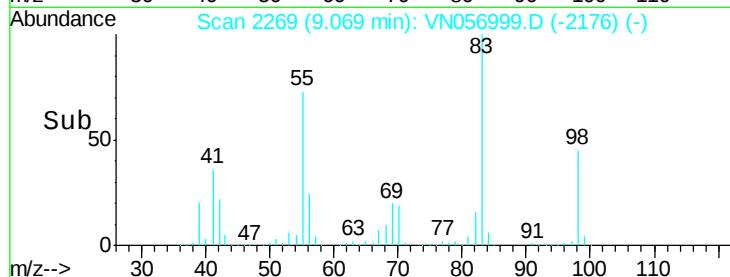
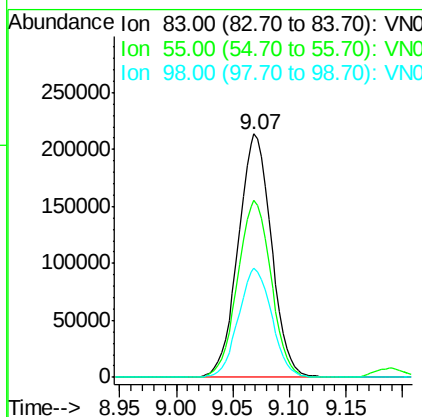
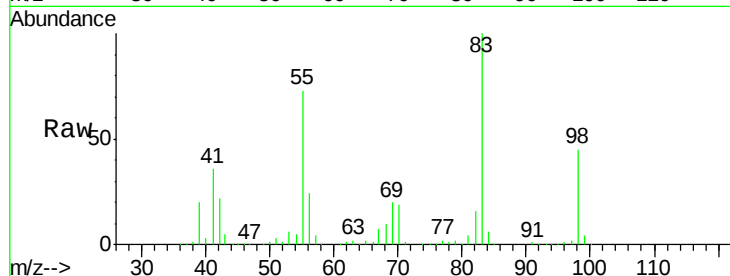
#39
Methvlcvclohexane
Concen: 52.341 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.0	88.6
98	44.9	36.2	54.4

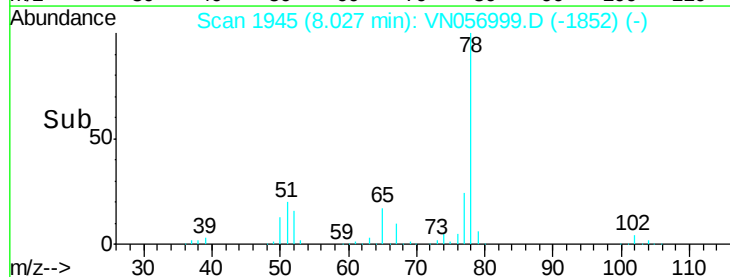
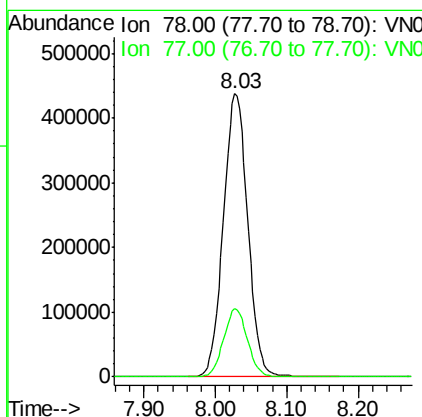
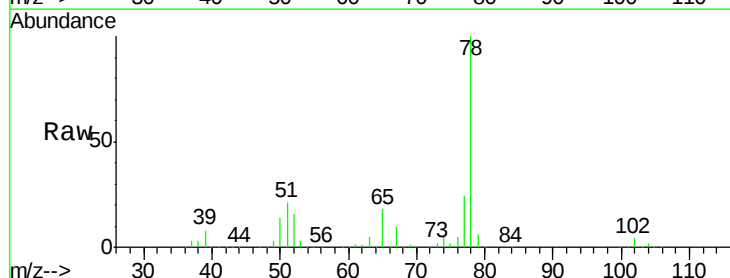
Manual Integrations
APPROVED

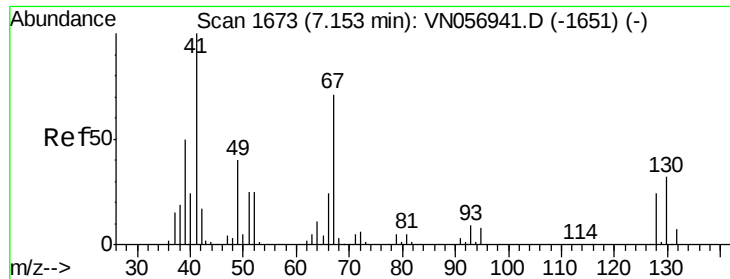
MMdadoda
8/2/2019 10:54:20 PM



#40
Benzene
Concen: 51.848 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





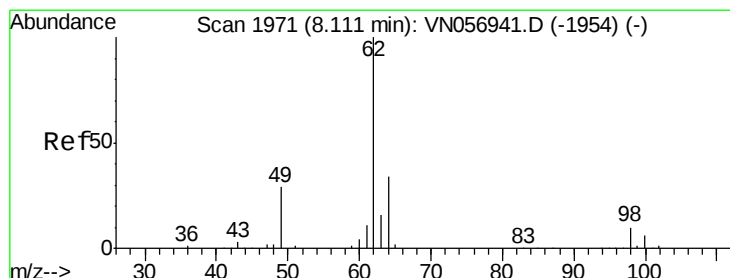
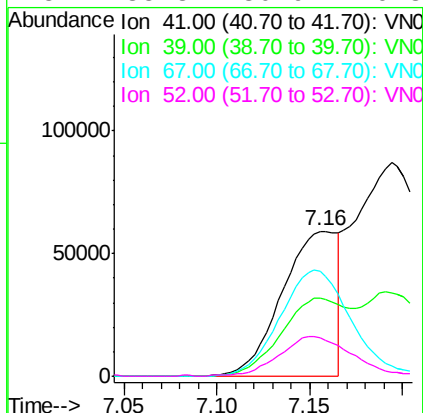
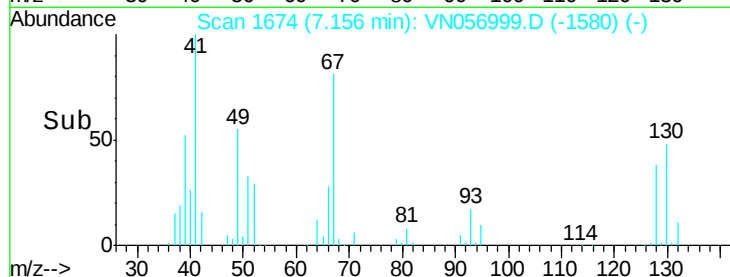
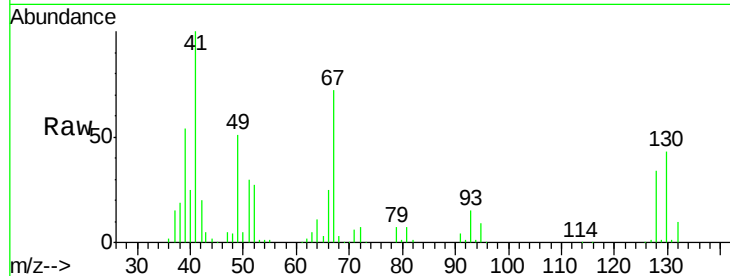
#41
Methacrylonitrile
Concen: 51.163 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	123496
Ion Ratio	Lower	Upper	
41	100		
39	66.9	48.9	73.3
67	93.8	83.4	125.0
52	35.3	30.9	46.3

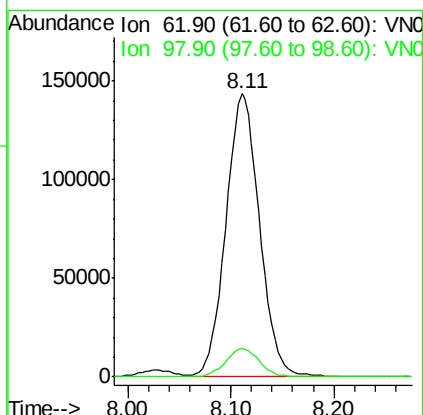
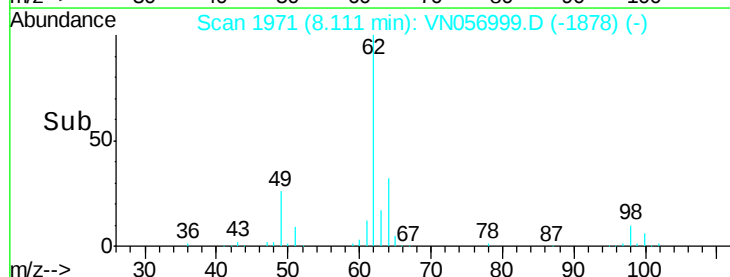
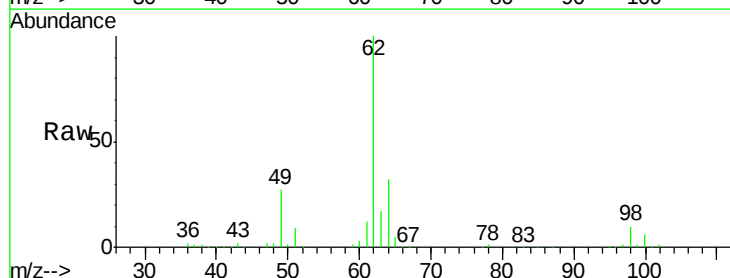
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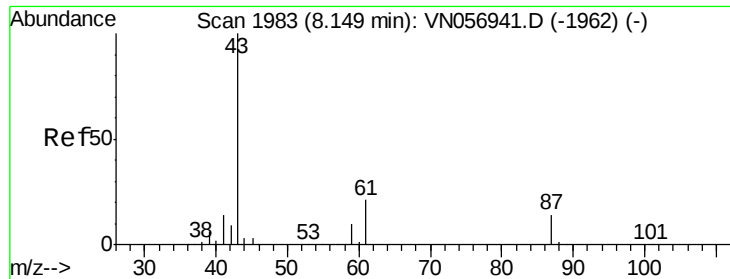
MMdadoda
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#42
1,2-Dichloroethane
Concen: 51.451 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	62	Resp	323790
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.6





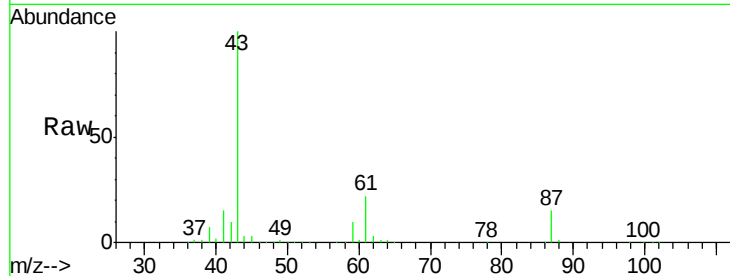
#43
Isopropyl Acetate
Concen: 48.129 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

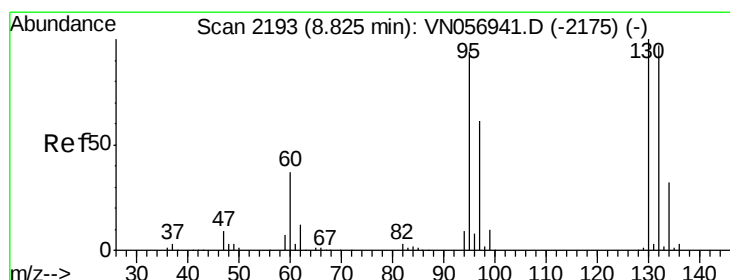
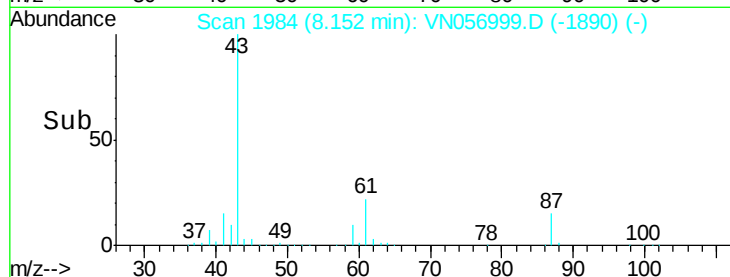
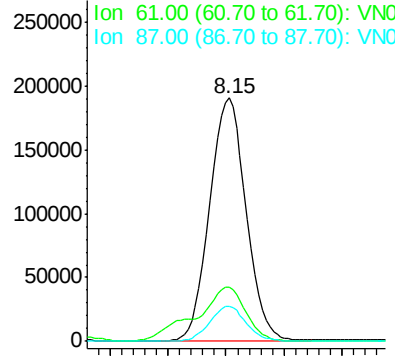
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.9	23.0	34.6#
87	14.5	11.7	17.5

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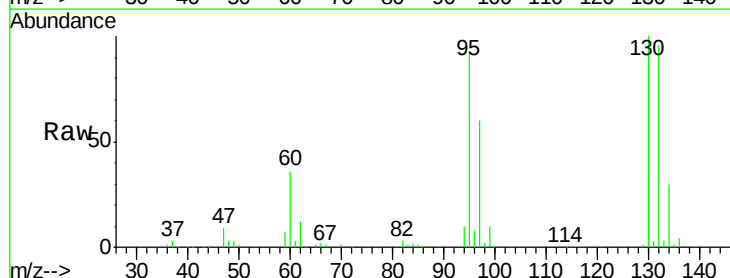


Abundance Ion 43.00 (42.70 to 43.70): VN056999.D (-1890) (-)

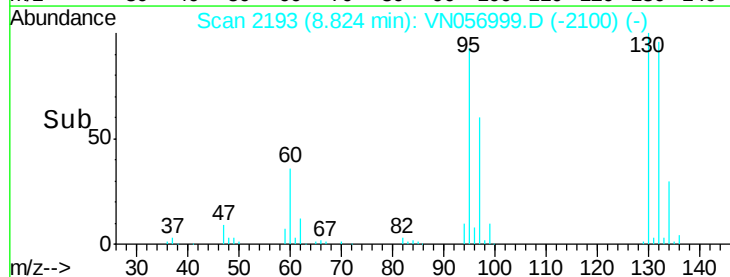
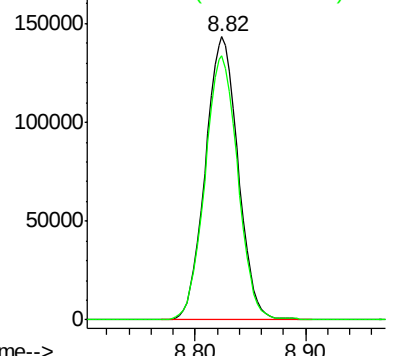


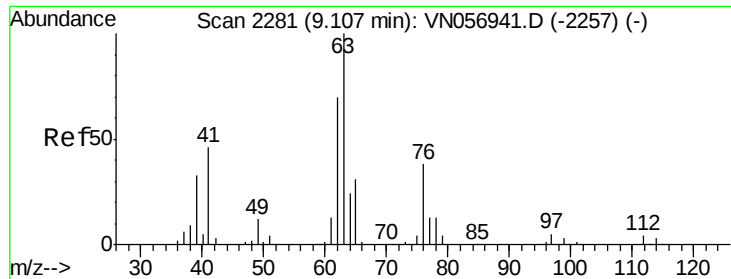
#44
Trichloroethene
Concen: 53.189 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056999.D (-2100) (-)





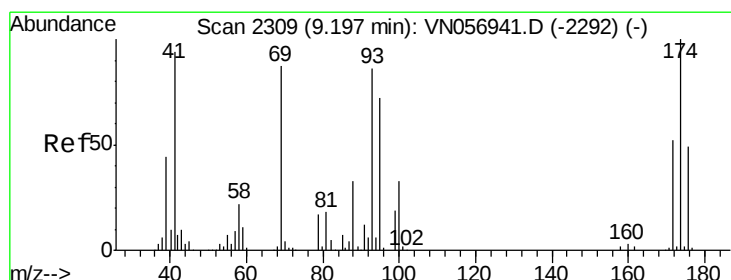
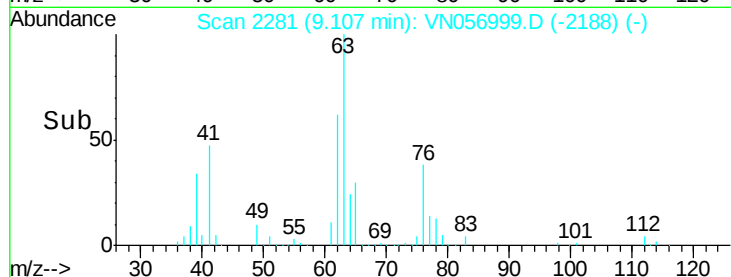
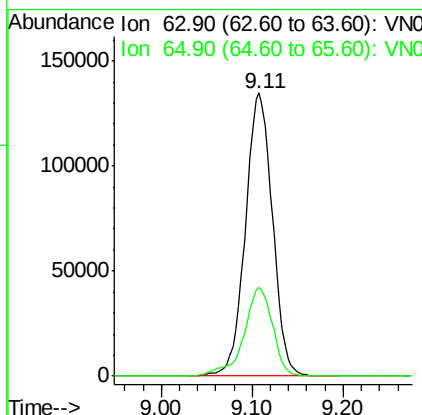
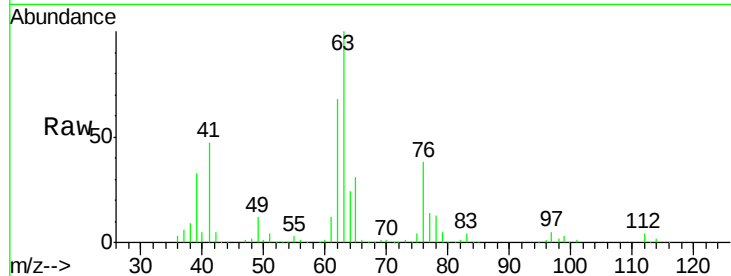
#45
 1,2-Dichloropropane
 Concen: 51.814 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 278285
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

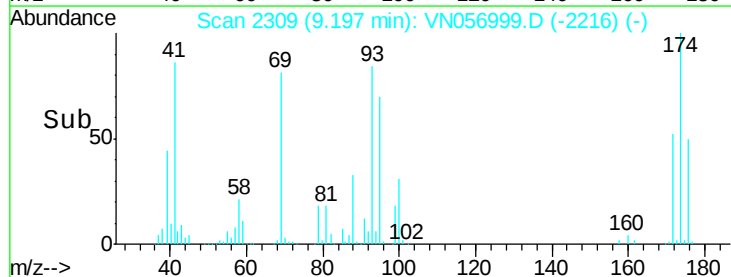
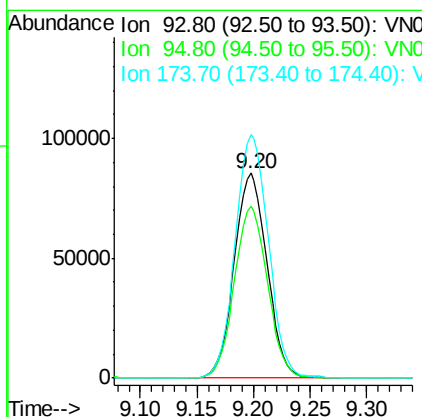
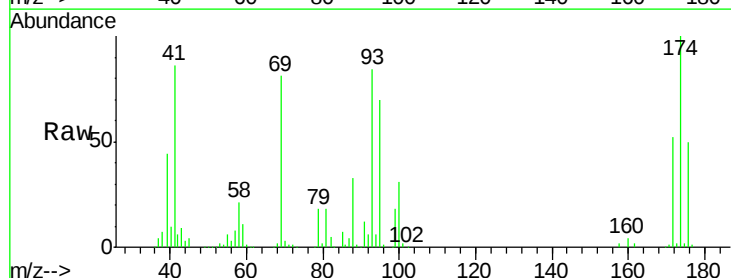
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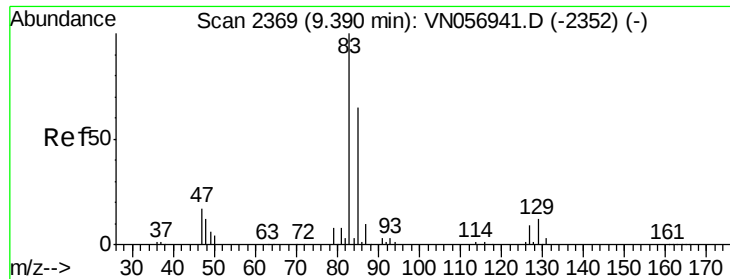
MMdadoda
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#46
 Dibromomethane
 Concen: 53.536 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 93 Resp: 173402
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.0 100.6
 174 120.2 92.7 139.1





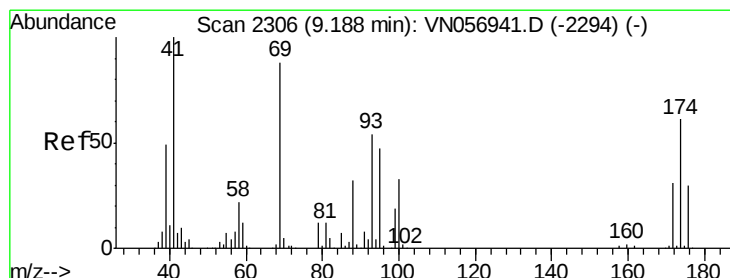
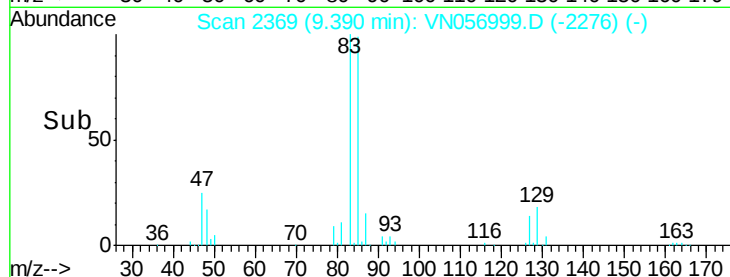
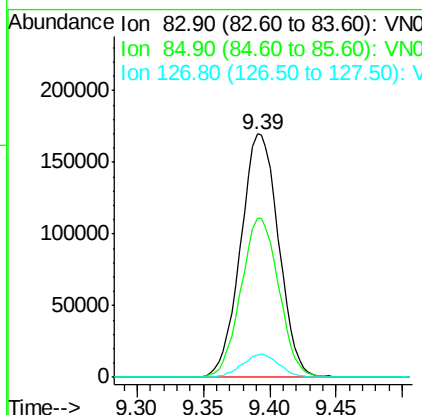
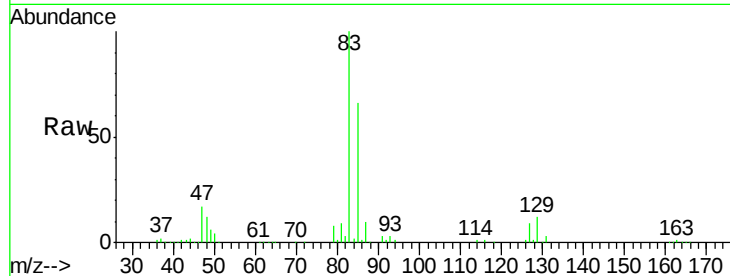
#47
Bromodichloromethane
Concen: 53.166 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	338571
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
85	65.5		
127	9.3		

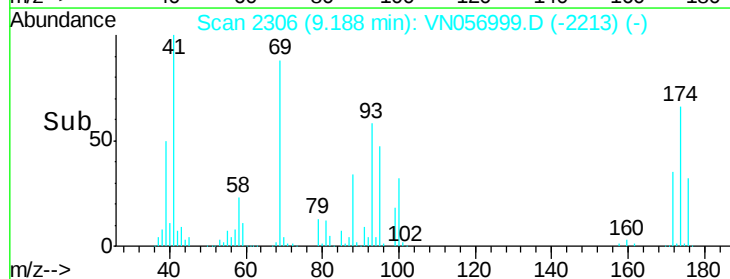
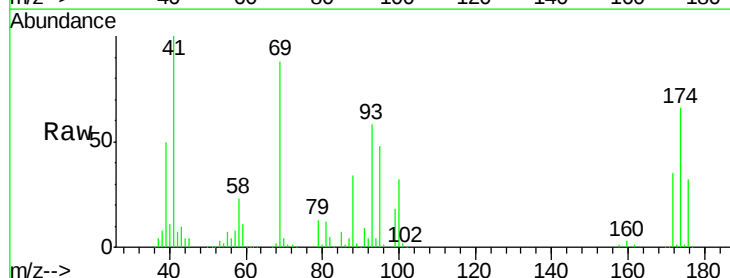
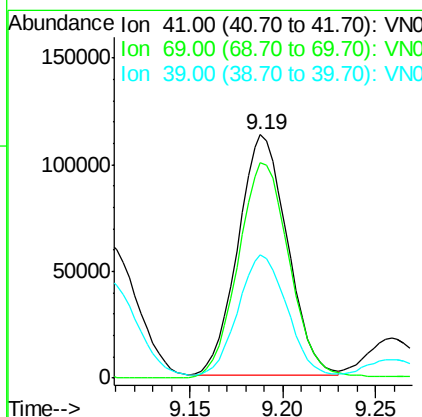
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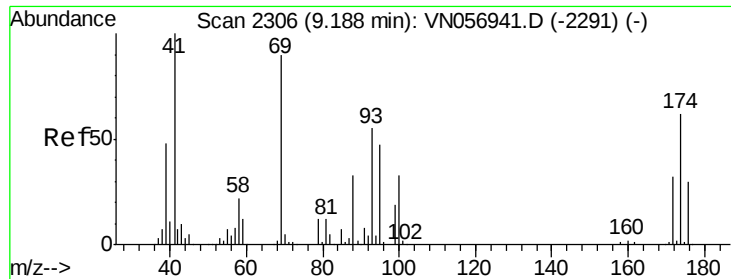
MMdadoda
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#48
Methyl methacrylate
Concen: 50.101 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	41	Resp	208746
Ion Ratio	100		
Lower	73.4		
Upper	110.0		
69	93.7		
39	51.3		





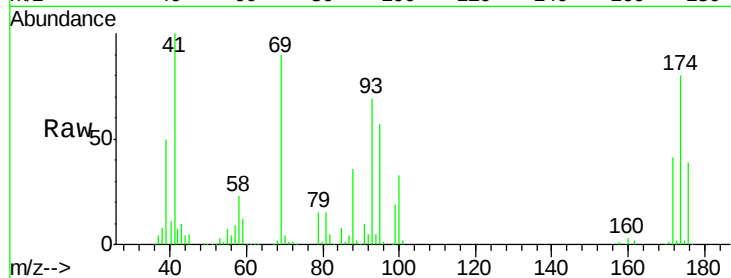
#49
1,4-Dioxane
Concen: 1038.335 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

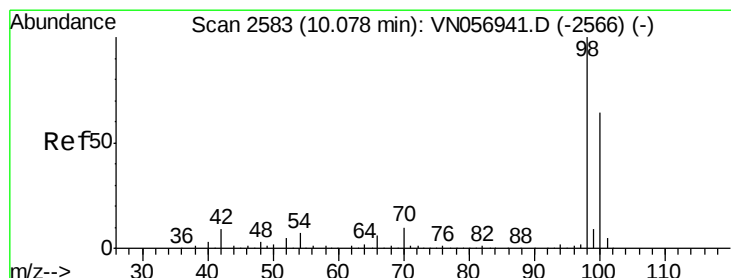
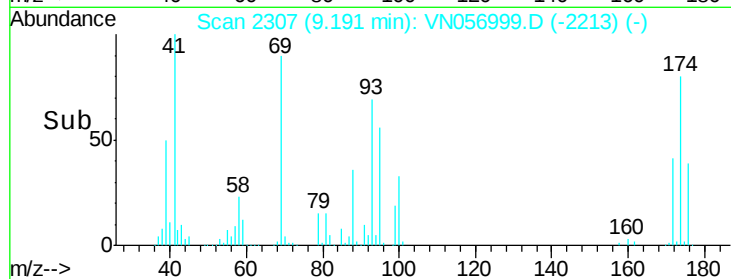
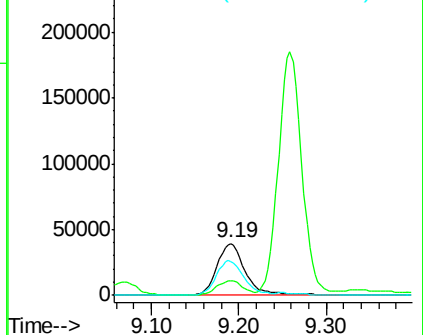
Tot Ion	Ratio	Lower	Upper
88	100		
43	25.7	22.2	33.2
58	65.1	54.1	81.1

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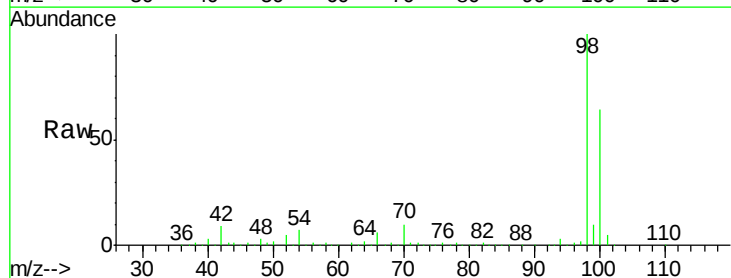


Abundance Ion 88.00 (87.70 to 88.70): VN056999.D (-2213) (-)
Ion 43.00 (42.70 to 43.70): VN056999.D (-2213) (-)
Ion 58.00 (57.70 to 58.70): VN056999.D (-2213) (-)

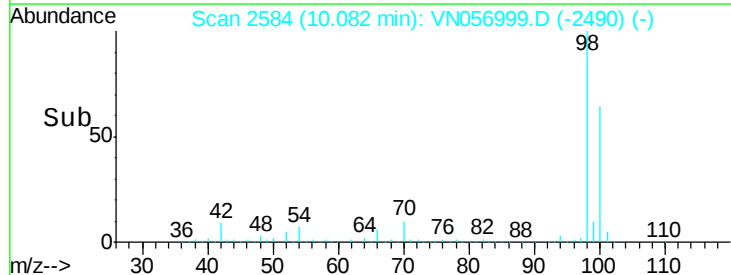
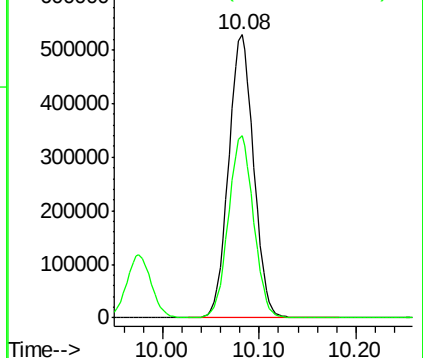


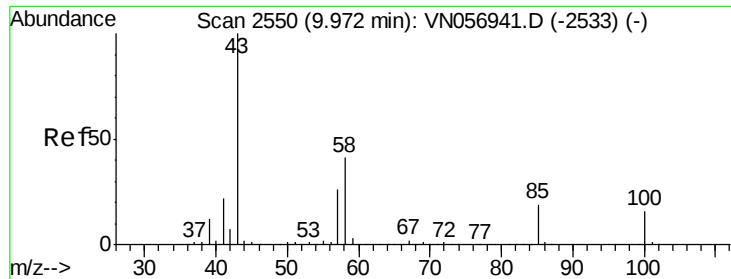
#50
Toluene-d8
Concen: 52.500 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056999.D (-2490) (-)
Ion 100.00 (99.70 to 100.70): VN056999.D (-2490) (-)





#51

4-Methyl-2-Pentanone

Concen: 251.523 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1289715

Ion Ratio Lower Upper

43 100

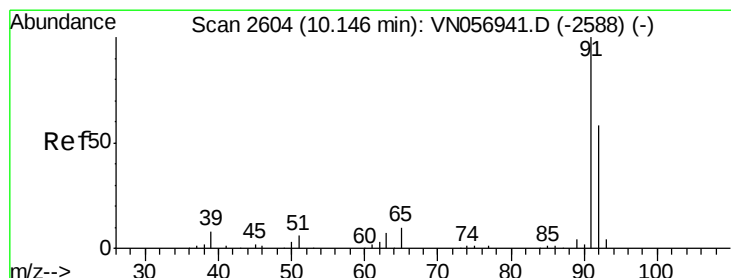
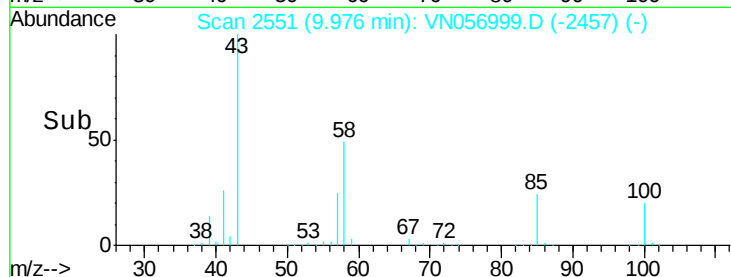
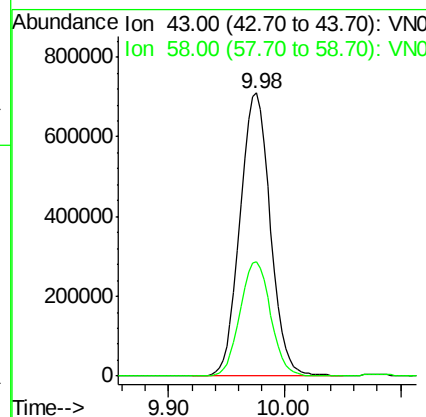
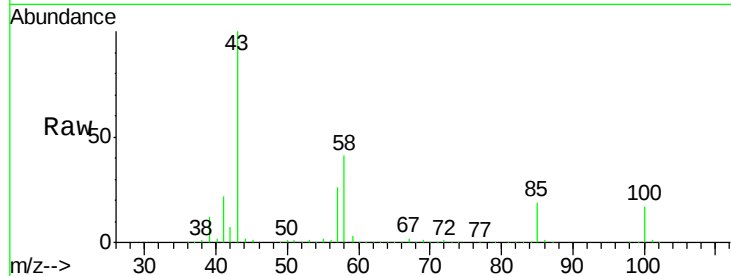
58 41.0 33.1 49.7

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#52

Toluene

Concen: 54.214 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056999.D

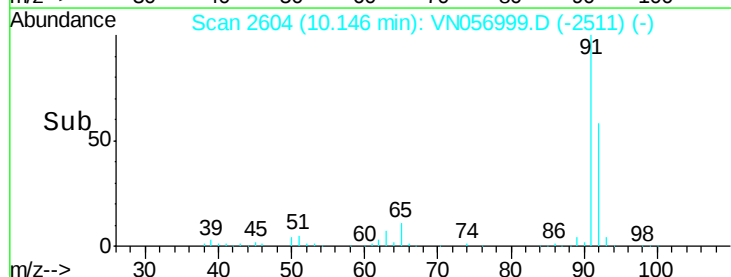
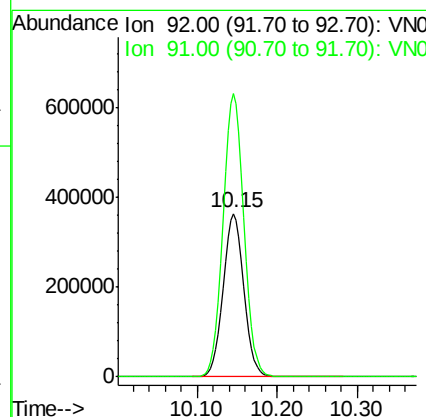
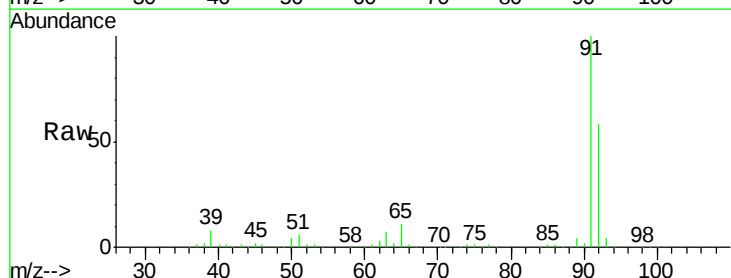
Acq: 31 Jul 2019 8:55

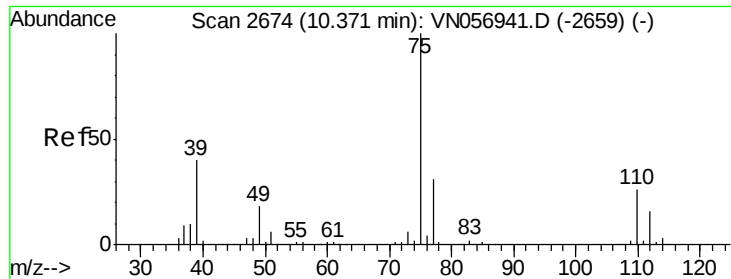
Tgt Ion: 92 Resp: 654034

Ion Ratio Lower Upper

92 100

91 174.6 138.0 207.0





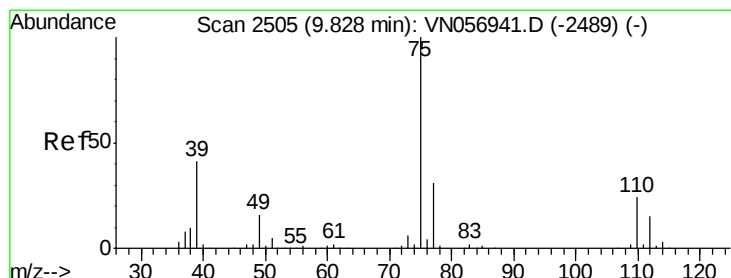
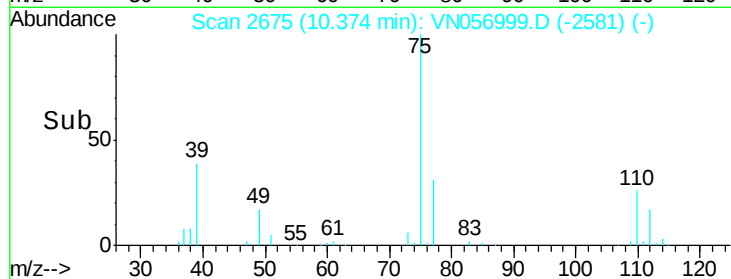
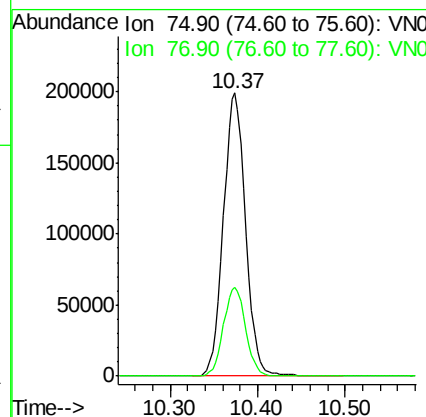
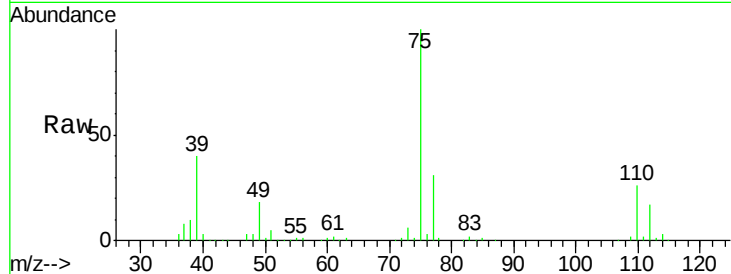
#53
 t-1,3-Dichloropropene
 Concen: 52.897 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 349562
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.1 37.7

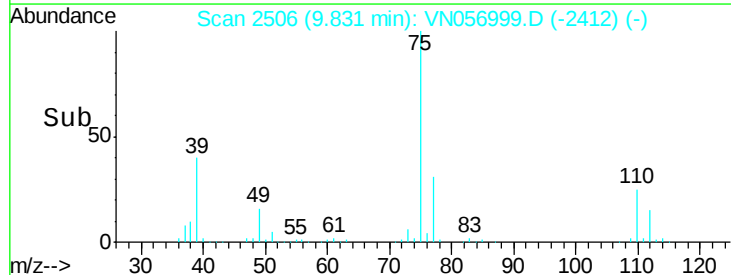
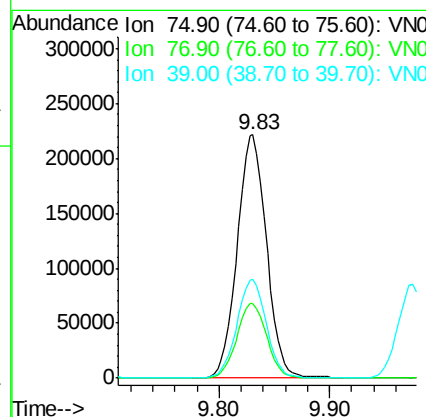
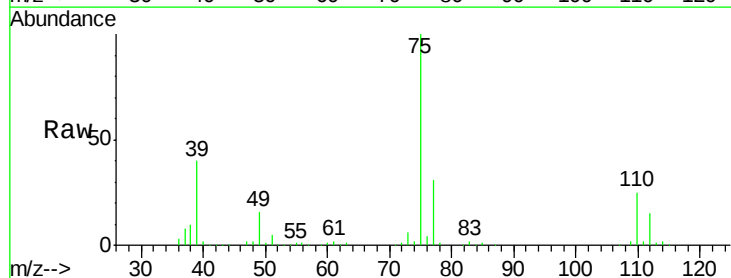
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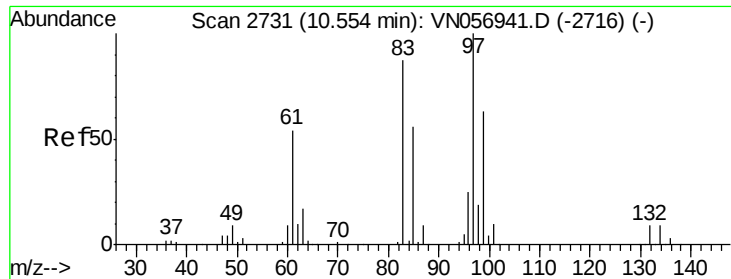
MMdadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 53.111 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 75 Resp: 408087
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.6
 39 40.5 32.6 49.0





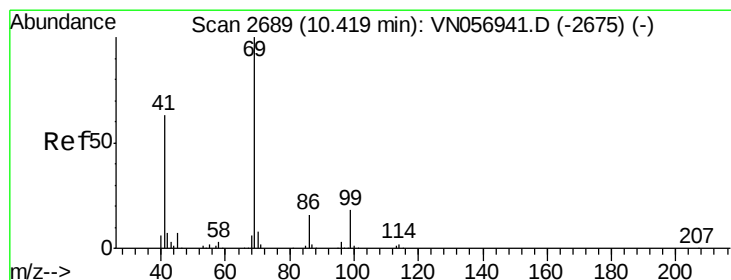
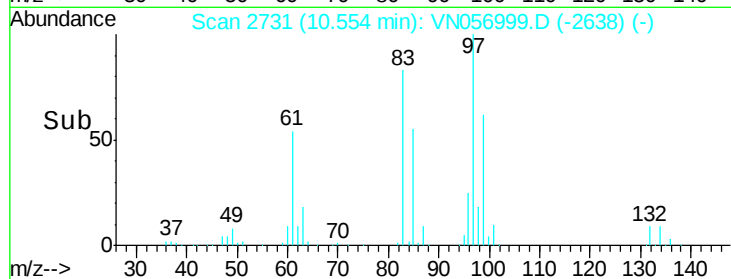
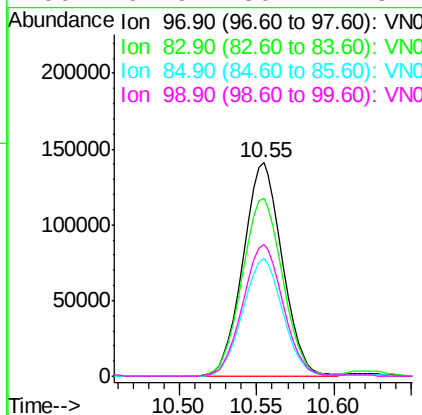
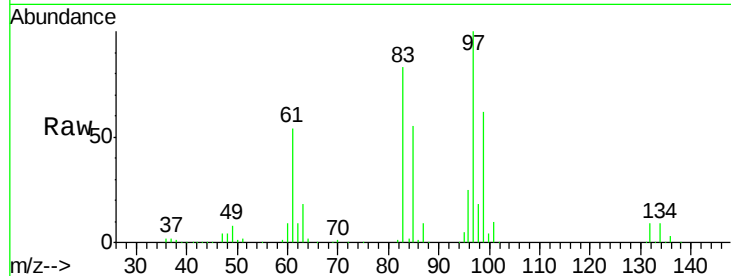
#55
 1,1,2-Trichloroethane
 Concen: 51.409 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	248722
Ion Ratio	Lower	Upper	
97	100		
83	83.5	69.4	104.0
85	55.3	44.7	67.1
99	61.9	50.1	75.1

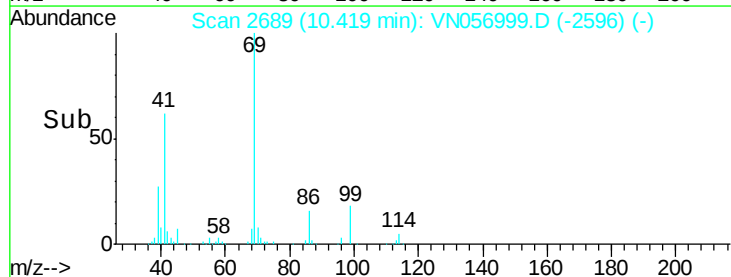
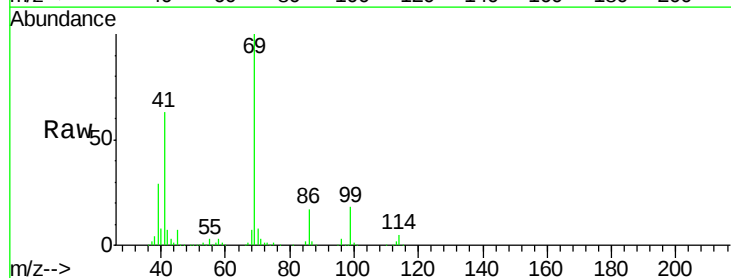
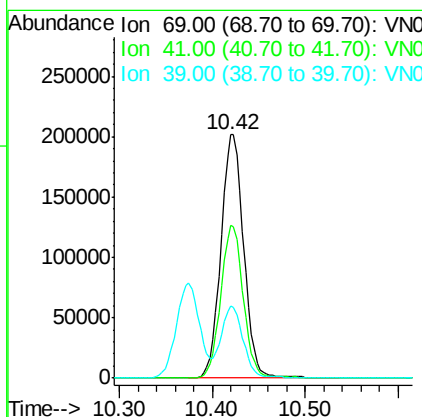
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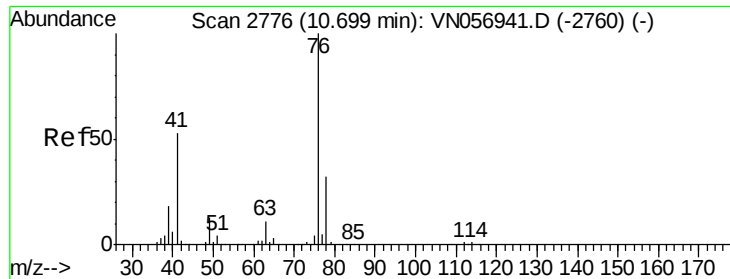
MMdadoda
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#56
 Ethyl methacrylate
 Concen: 47.065 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion:	69	Resp:	343091
Ion Ratio	Lower	Upper	
69	100		
41	61.4	49.2	73.8
39	28.2	23.1	34.7





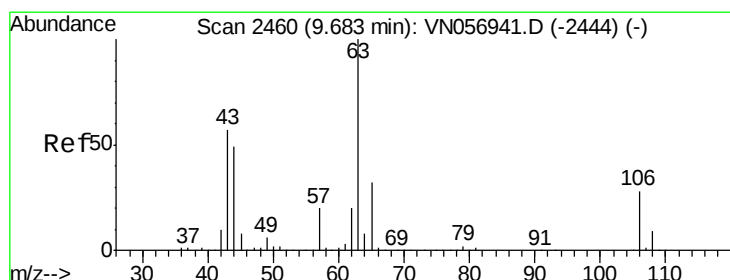
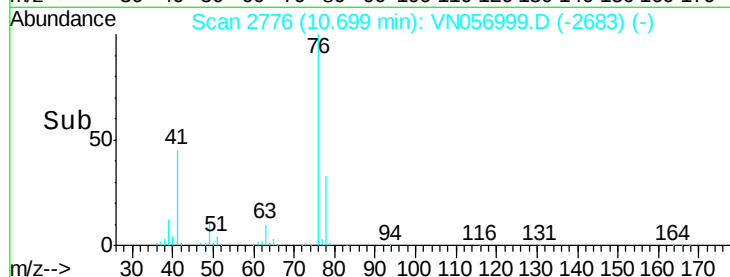
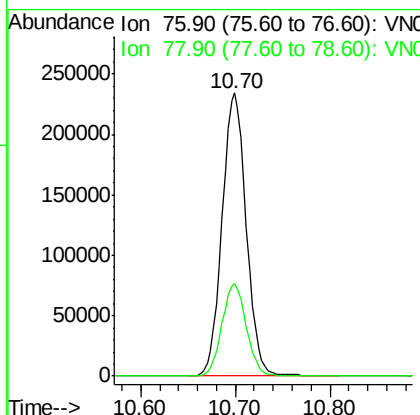
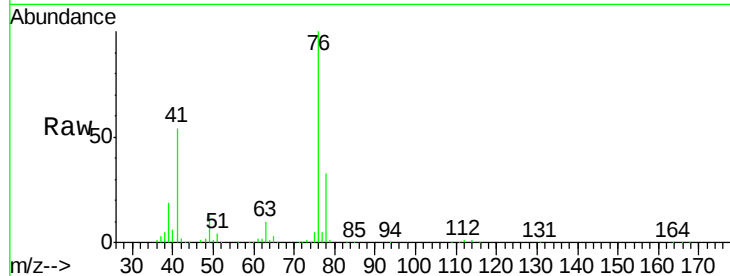
#57
 1,3-Dichloropropane
 Concen: 51.776 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 415374
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.9 38.9

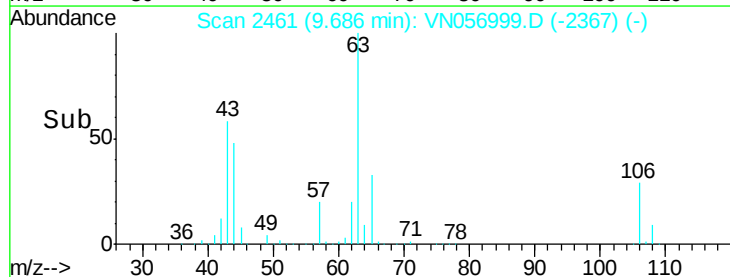
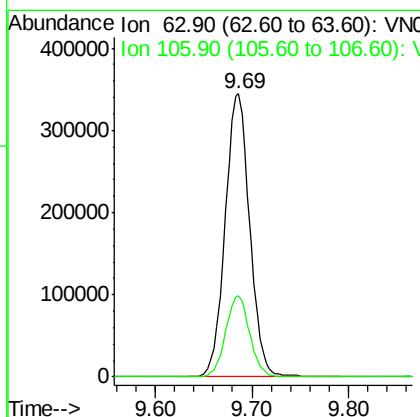
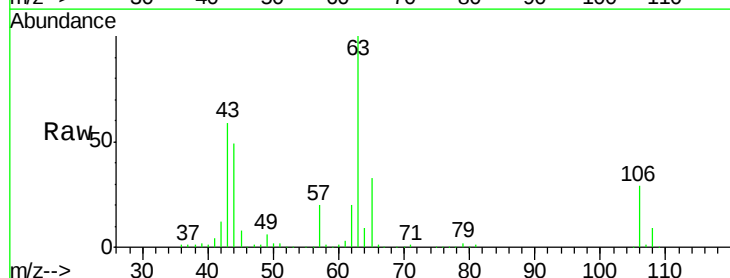
Manual Integrations
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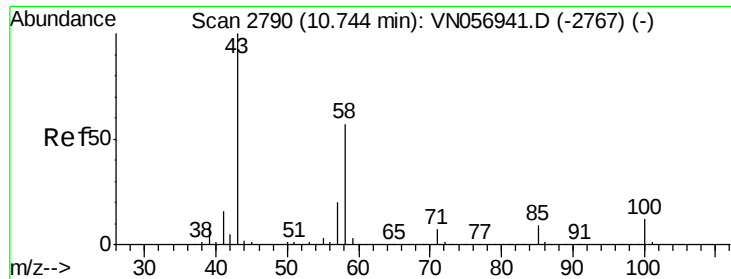
MMdadoda
 8/2/2019 10:54:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 209.368 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion: 63 Resp: 607001
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.0 33.0





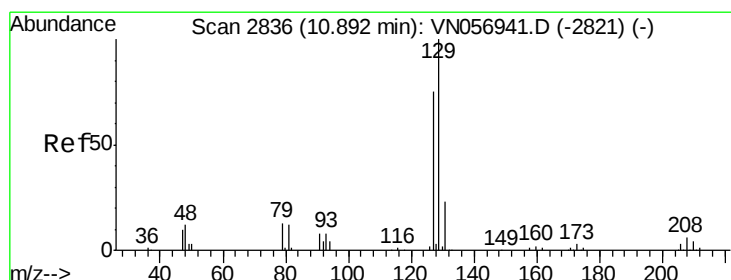
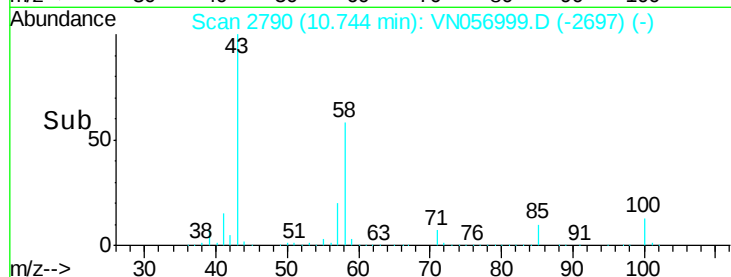
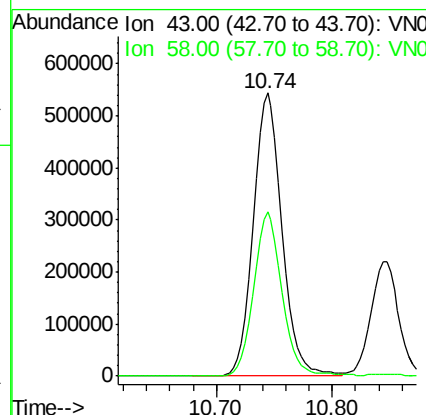
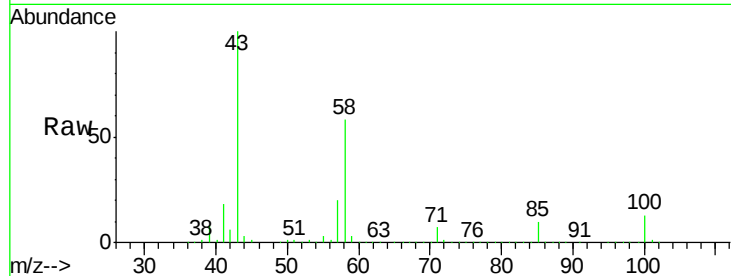
#59
2-Hexanone
Concen: 238.079 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 939643
Ion Ratio Lower Upper
43 100
58 57.3 28.5 85.5

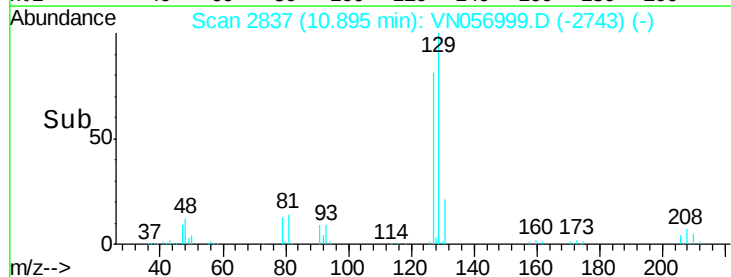
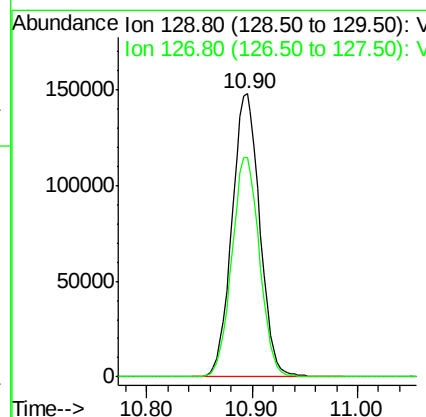
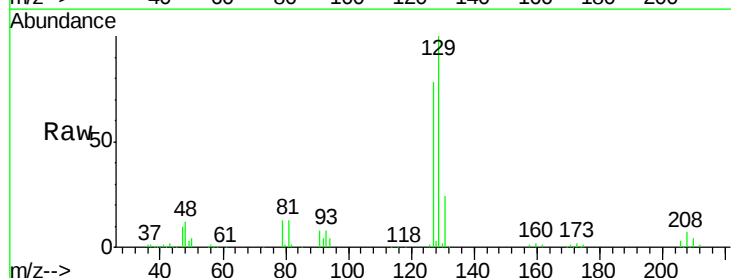
Manual Integrations
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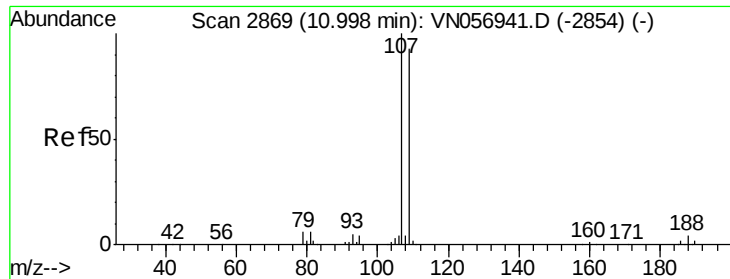
MMdadoda
8/2/2019 10:54:20 PM



#60
Dibromochloromethane
Concen: 54.303 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 129 Resp: 269163
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





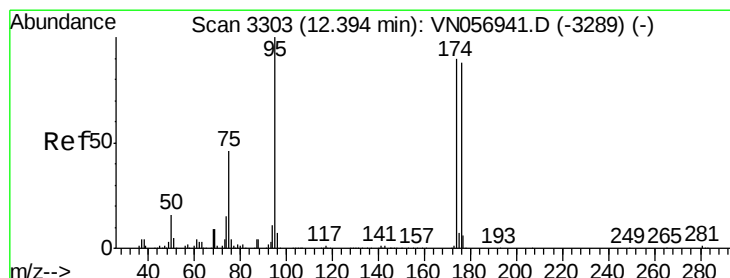
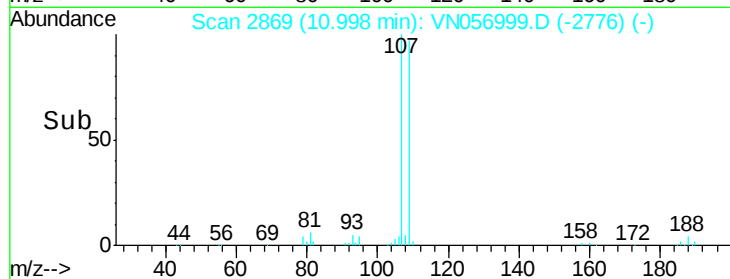
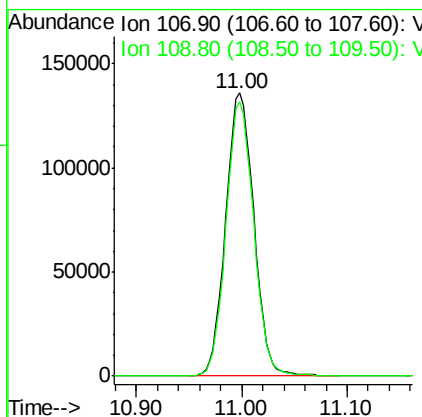
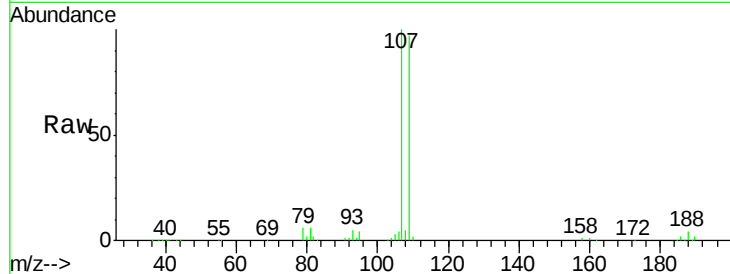
#61
 1,2-Dibromoethane
 Concen: 53.396 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.0	114.0

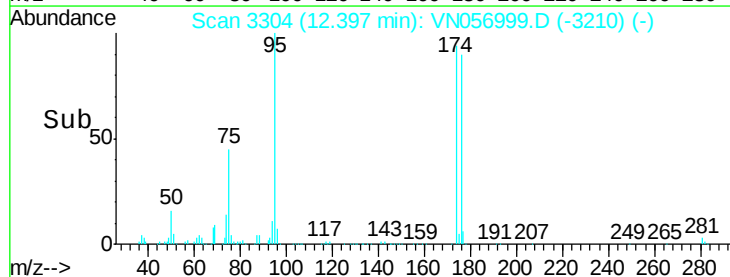
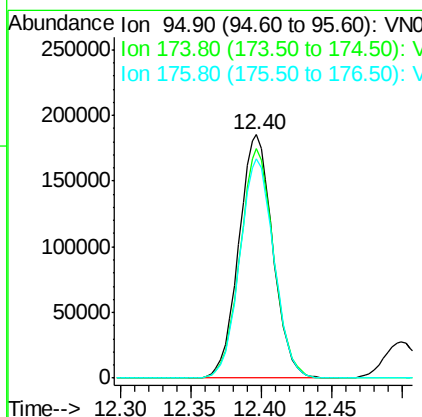
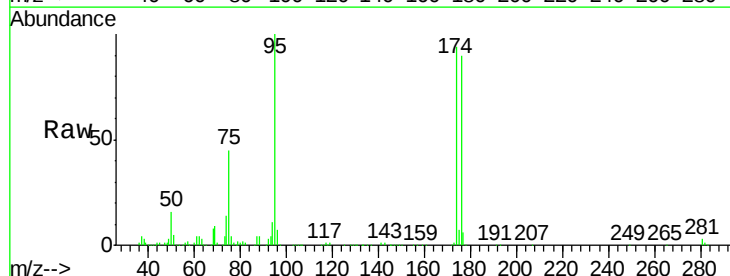
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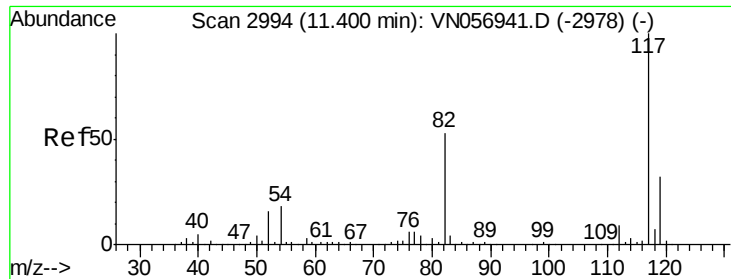
MMdadoda
 8/2/2019 10:54:20 PM



#62
 4-Bromofluorobenzene
 Concen: 53.109 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	182.2
176	90.5	0.0	179.4





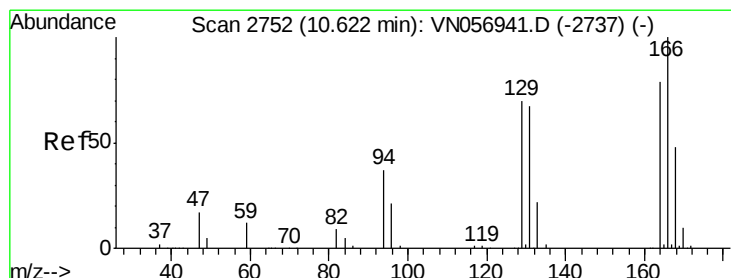
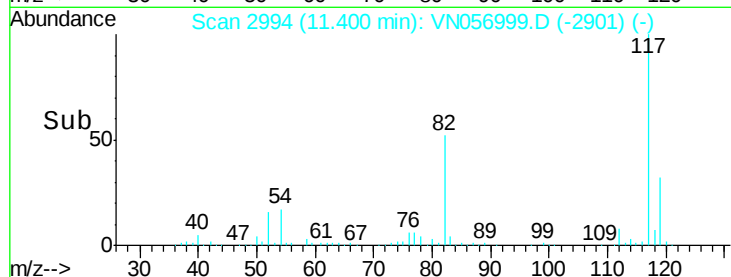
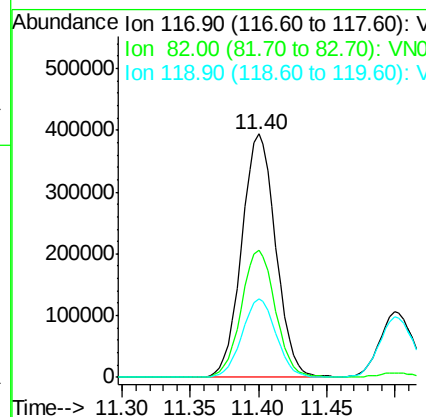
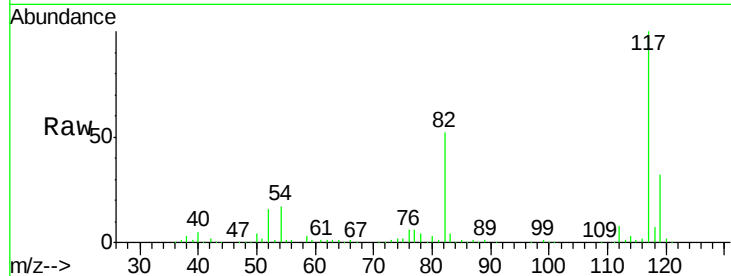
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.2	63.4
119	32.2	25.8	38.6

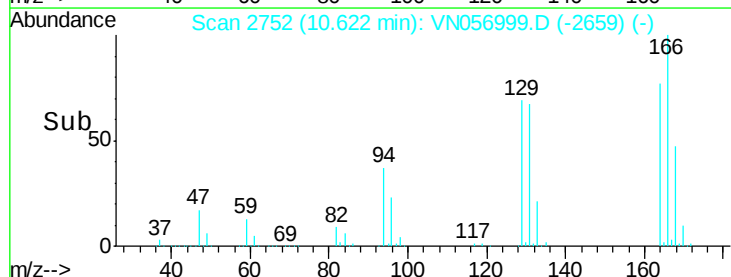
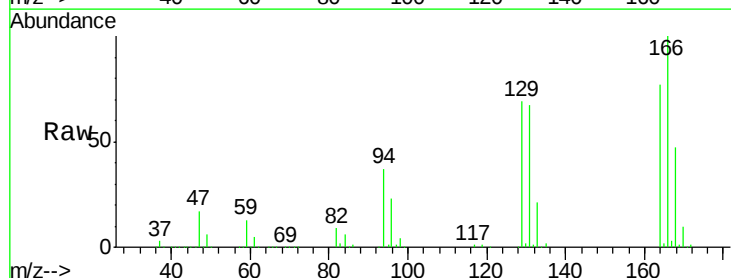
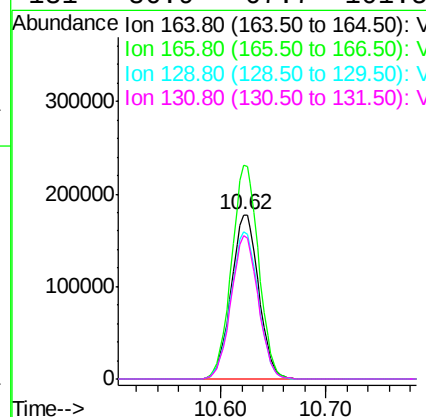
Manual Integrations
APPROVED

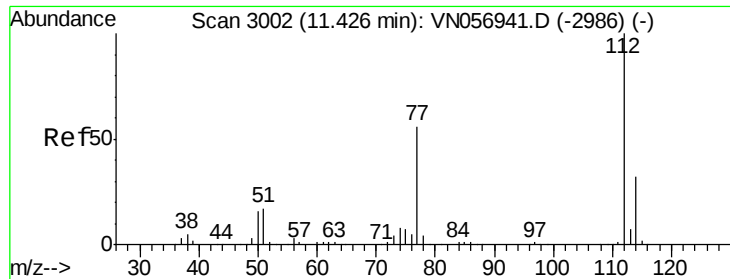
MMdadoda
8/2/2019 10:54:20 PM



#64
Tetrachloroethene
Concen: 54.135 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.1	151.7
129	89.8	70.9	106.3
131	86.9	67.7	101.5





#65

Chlorobenzene

Concen: 51.360 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 714844

Ion Ratio Lower Upper

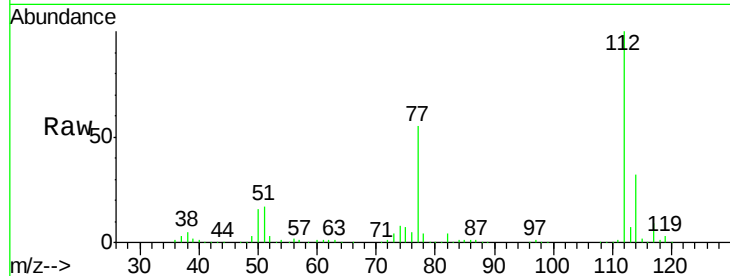
112 100

114 31.9 26.0 39.0

Manual Integrations
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MMdadoda

8/2/2019 10:54:20 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

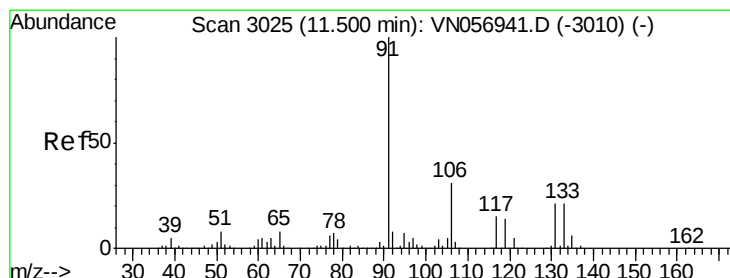
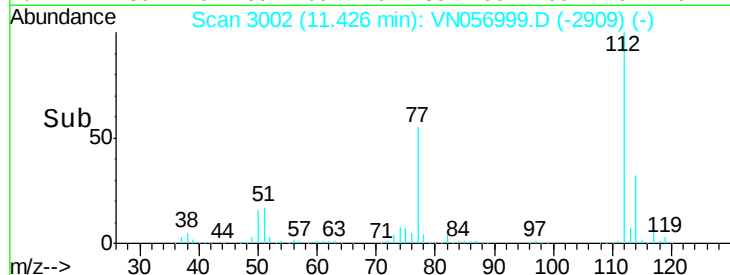
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.113 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

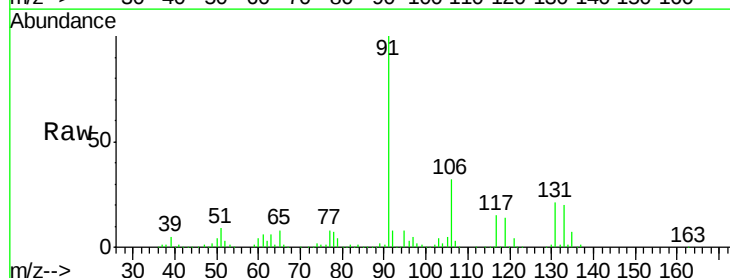
Tgt Ion:131 Resp: 262522

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.0

119 65.1 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

200000

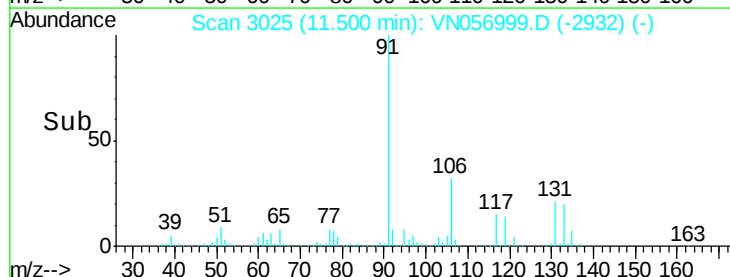
150000

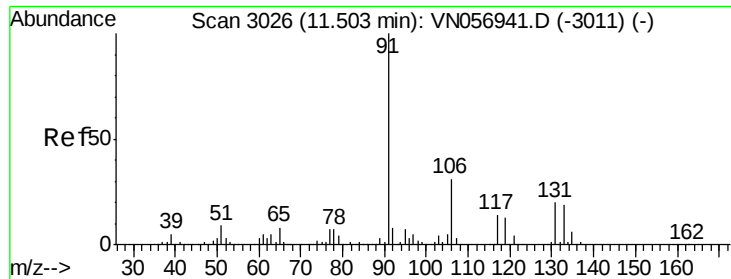
100000

50000

0

Time-->





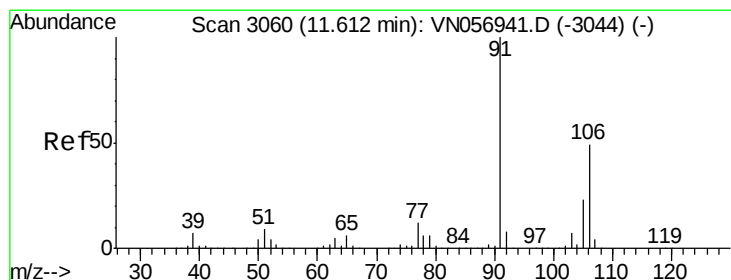
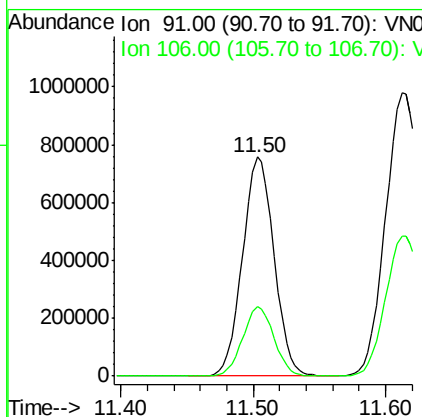
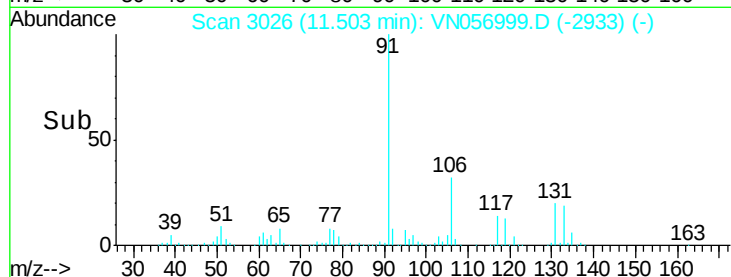
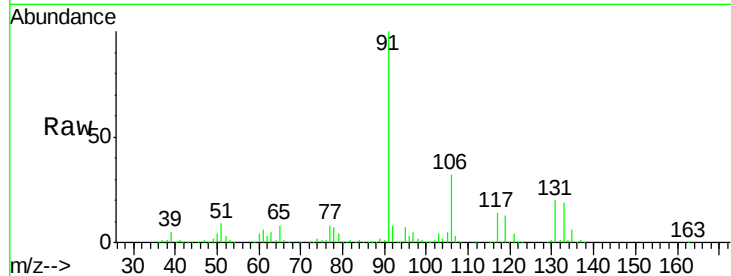
#67
Ethyl Benzene
Concen: 52.028 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1251553
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

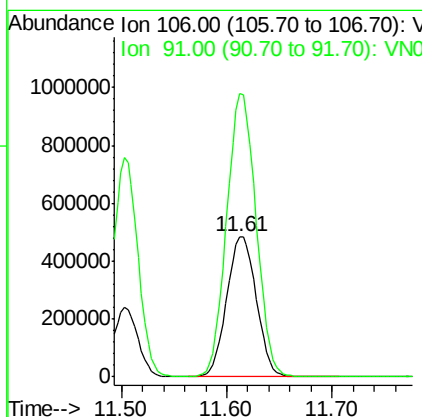
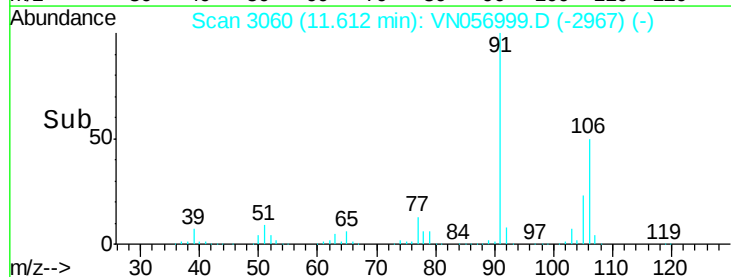
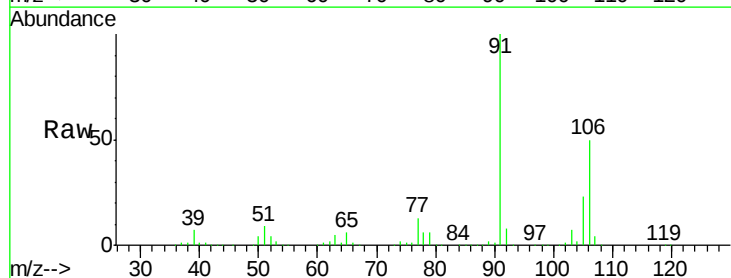
Manual Integrations
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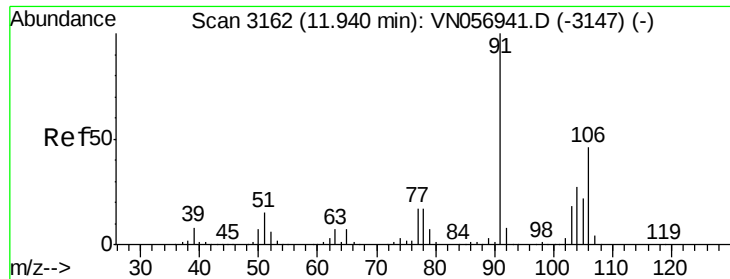
MMDadoda
8/2/2019 10:54:20 PM



#68
m/p-Xylenes
Concen: 106.118 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion: 106 Resp: 942088
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0





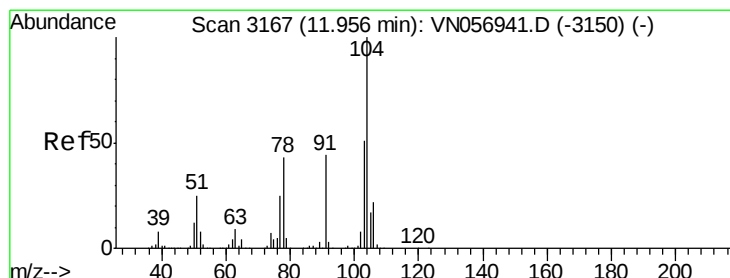
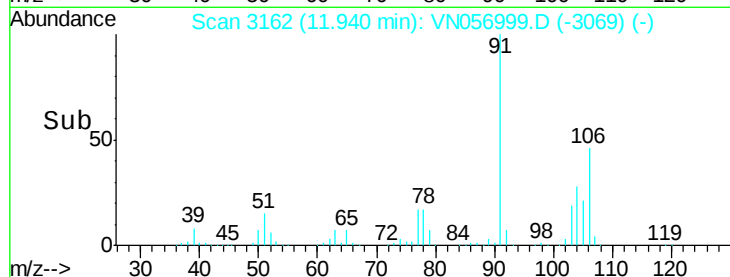
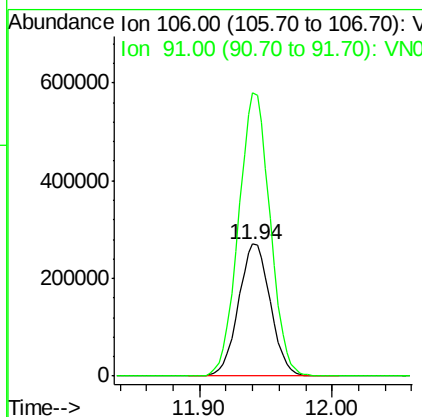
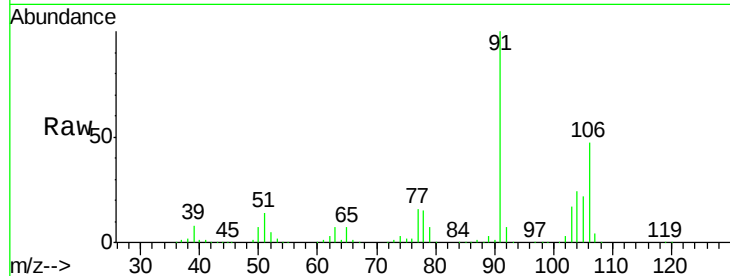
#69
o-Xylene
Concen: 51.837 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 450230
Ion Ratio Lower Upper
106 100
91 212.2 106.2 318.6

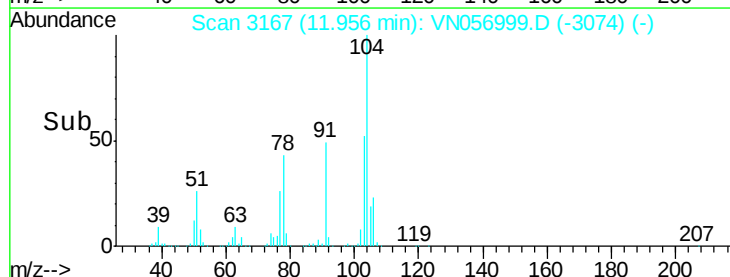
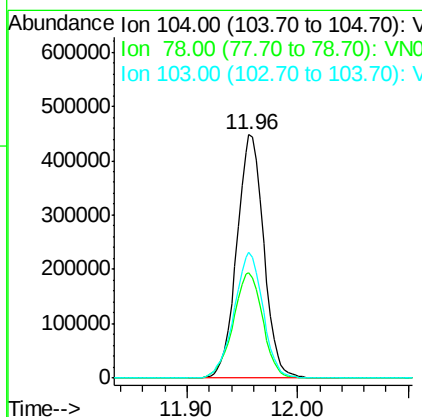
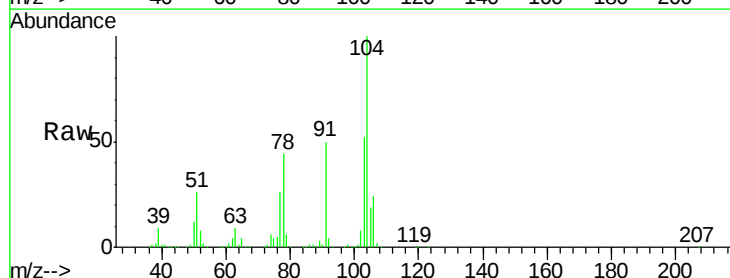
Manual Integrations
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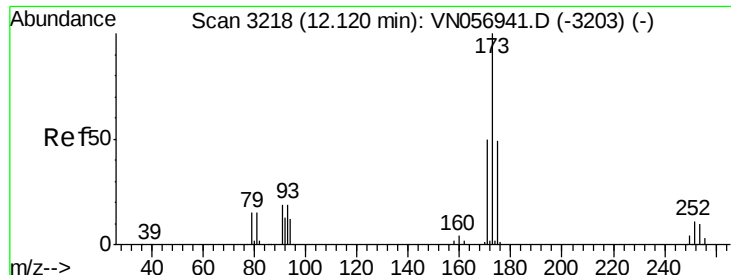
MMdadoda
8/2/2019 10:54:20 PM



#70
Styrene
Concen: 49.435 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion:104 Resp: 758578
Ion Ratio Lower Upper
104 100
78 47.7 38.1 57.1
103 55.4 44.3 66.5





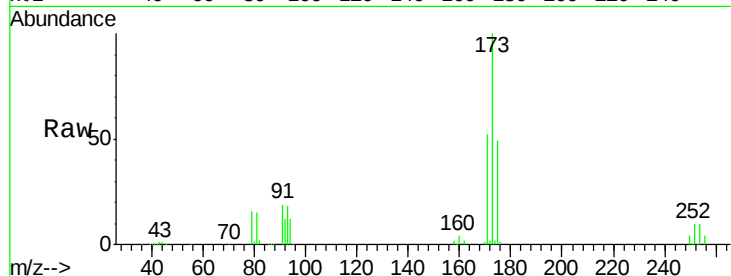
#71
Bromoform
Concen: 51.342 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.1	72.4
254	0.1	0.1	0.1#

Manual Integrations
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MMdadoda
8/2/2019 10:54:20 PM

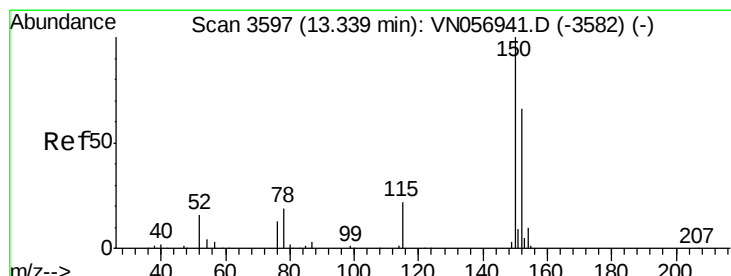
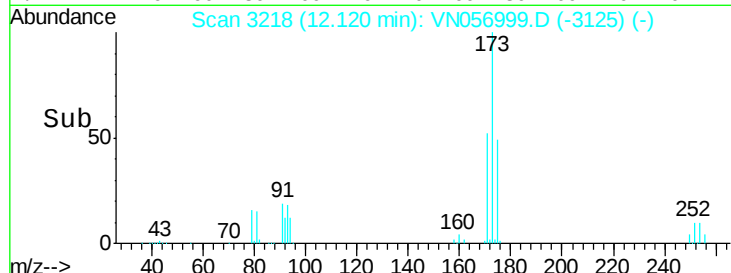
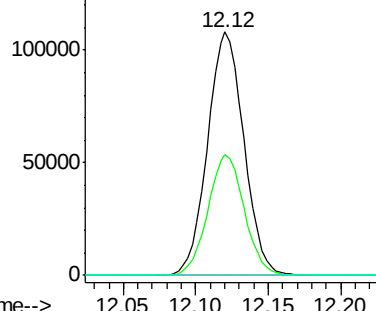


Abundance

Ion 172.70 (172.40 to 173.40): V

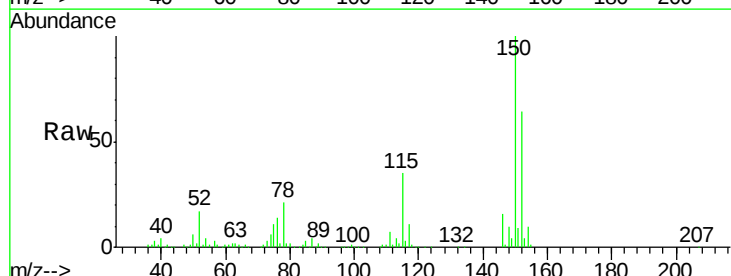
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.2	84.6
150	172.6	0.0	349.4

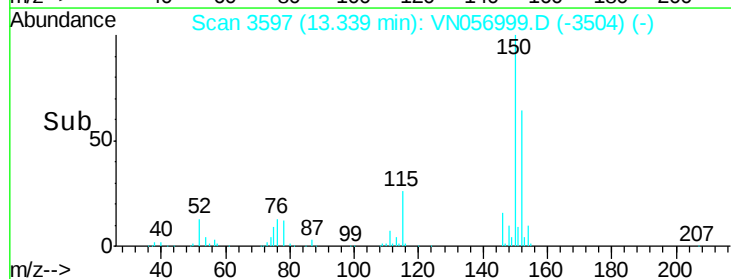
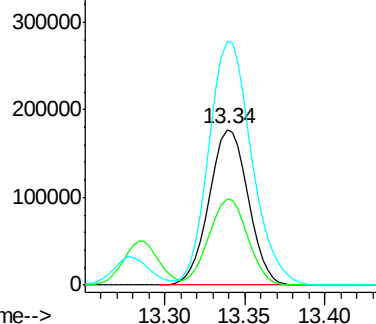


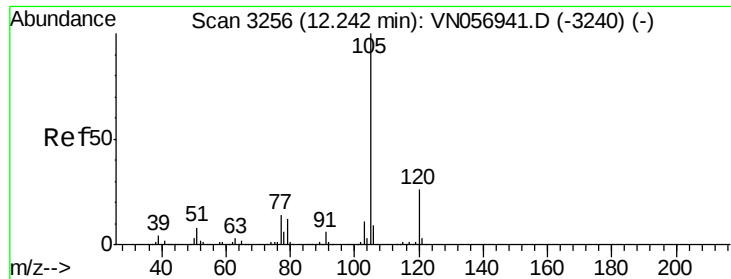
Abundance

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: 48.001 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1223751

Ion Ratio Lower Upper

105 100

120 27.3

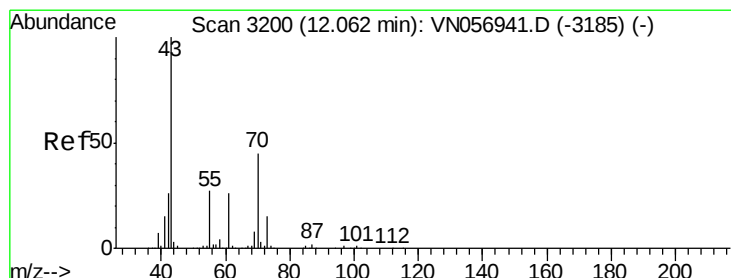
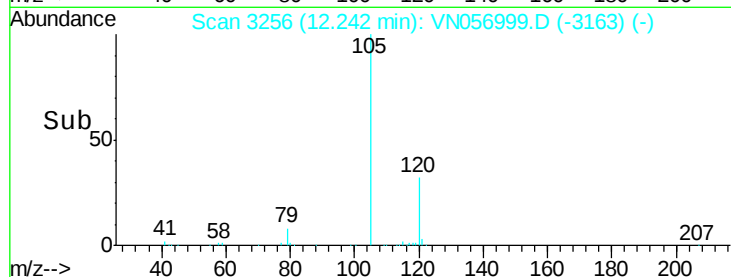
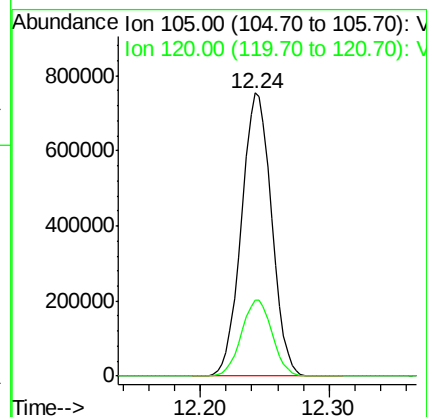
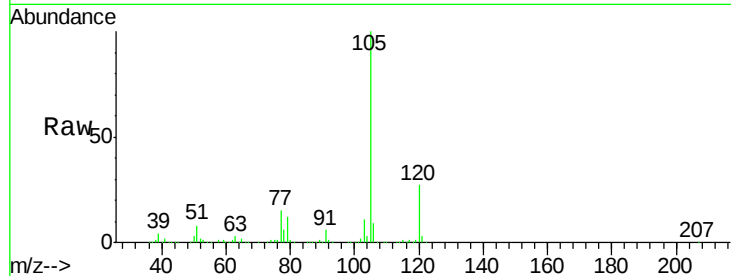
13.5 40.5

Manual Integrations

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MMdadoda

8/2/2019 10:54:20 PM



#74

N-ethyl acetate

Concen: 44.876 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion: 43 Resp: 332194

Ion Ratio Lower Upper

43 100

70 46.2

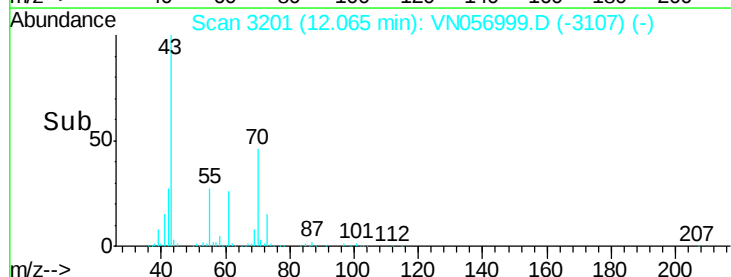
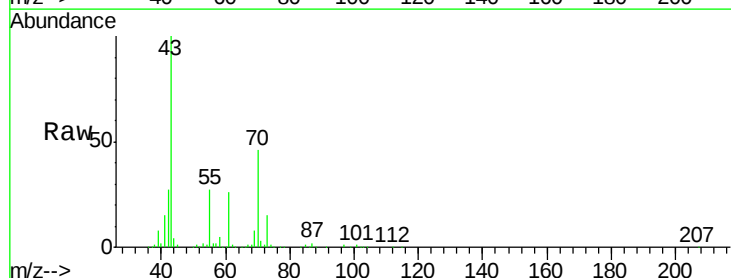
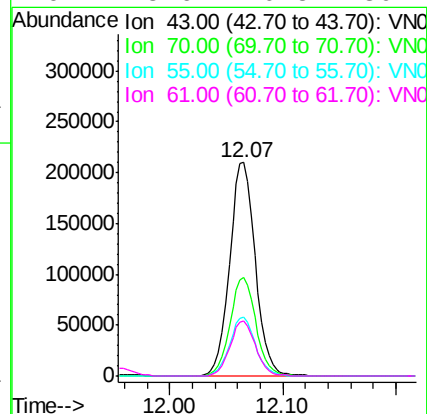
55 27.6

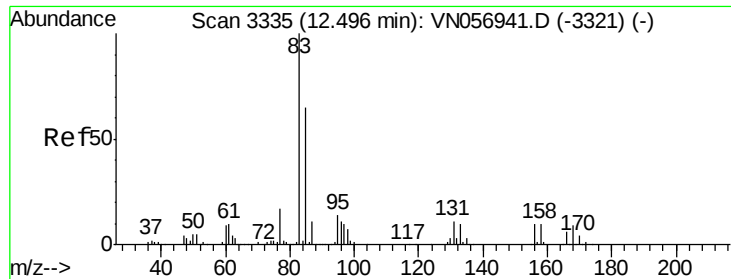
61 25.6

36.5 54.7

21.4 32.0

20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.825 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

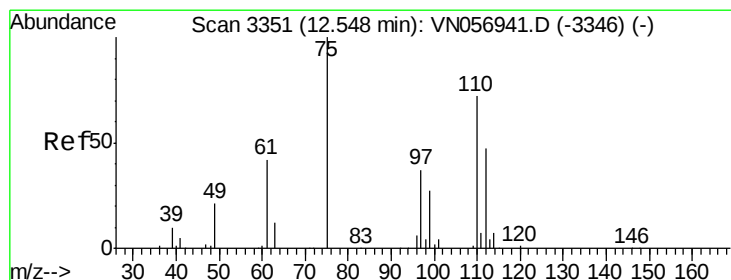
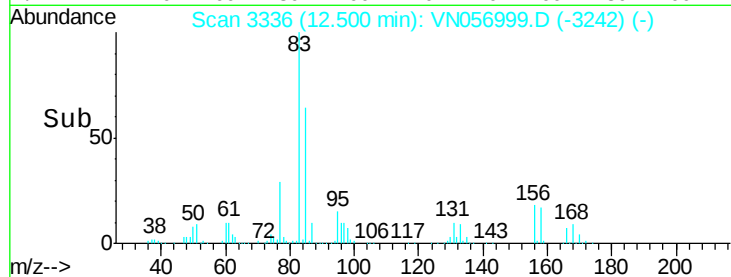
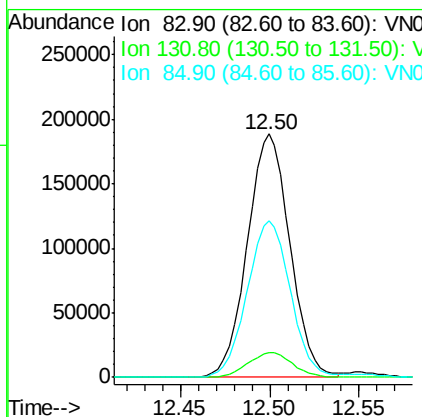
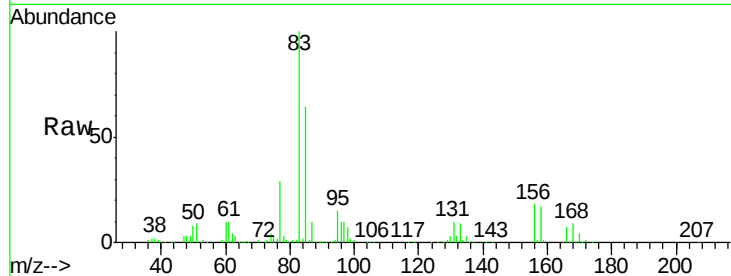
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315009
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	65.0	32.5	97.4

Manual Integrations
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8/2/2019 10:54:20 PM



#76

1,2,3-Trichloropropane

Concen: 45.864 ug/l m

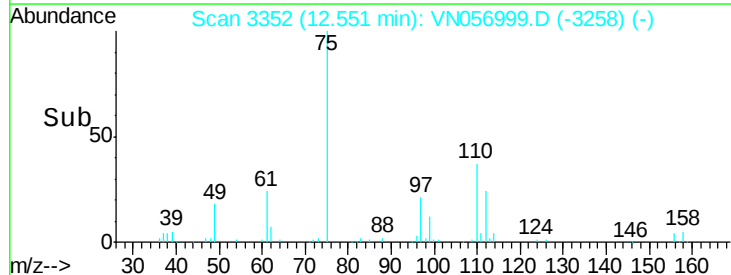
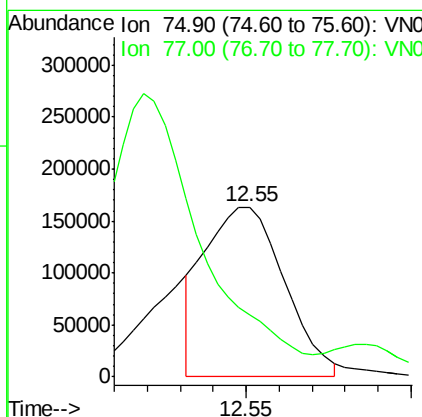
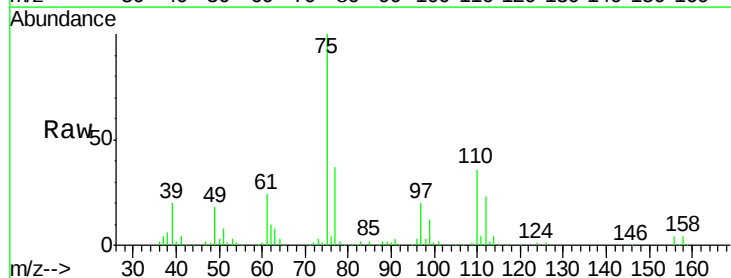
RT: 12.55 min Scan# 3352

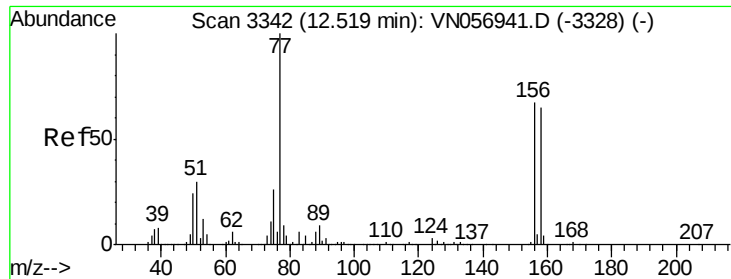
Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	75	Resp:	274757
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





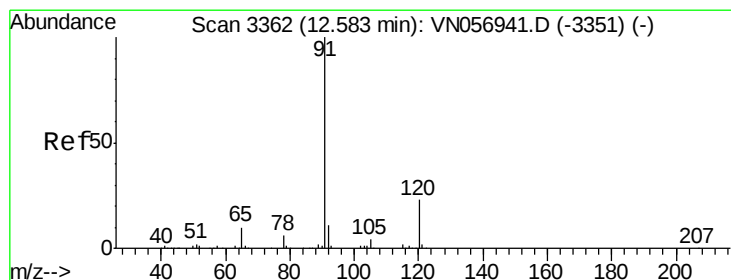
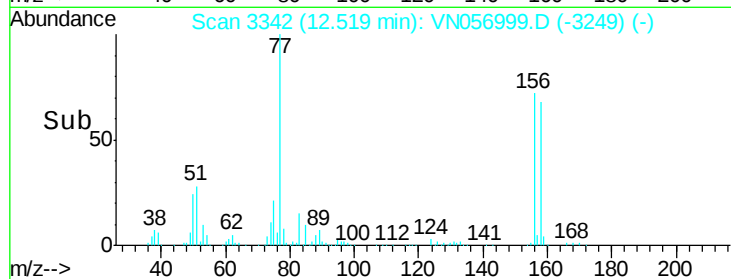
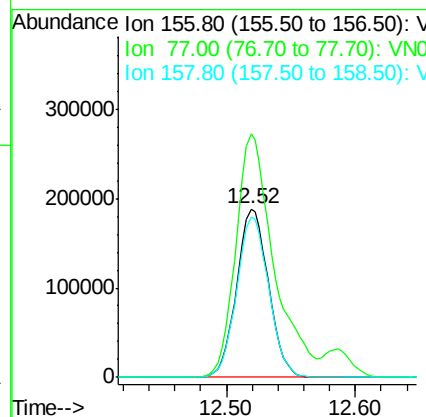
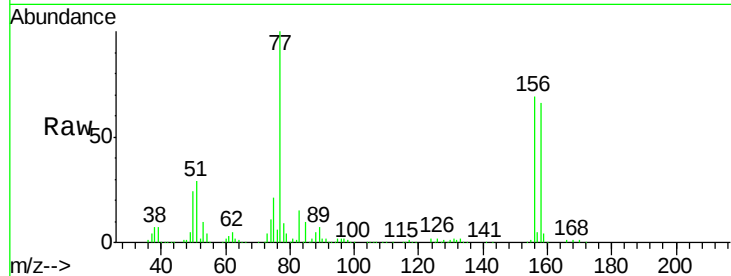
#77
Bromobenzene
Concen: 48.427 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.8	89.5	268.5
158	96.1	48.4	145.3

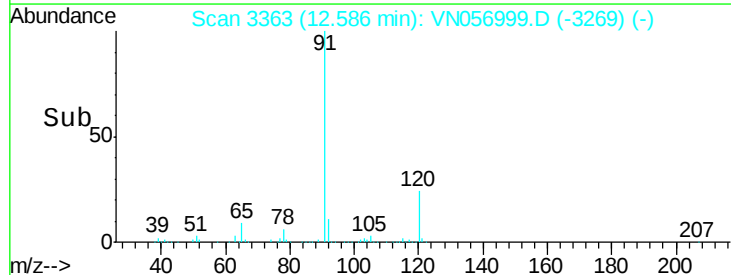
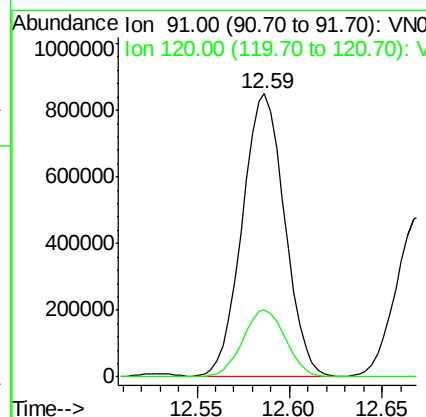
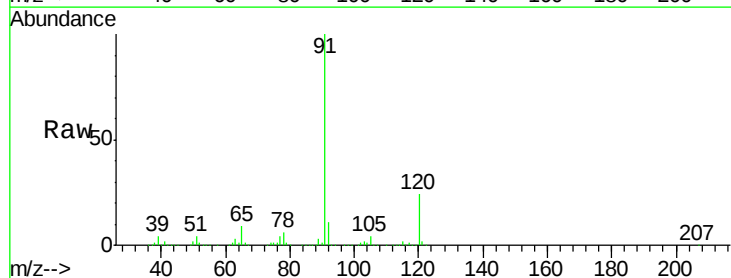
Manual Integrations
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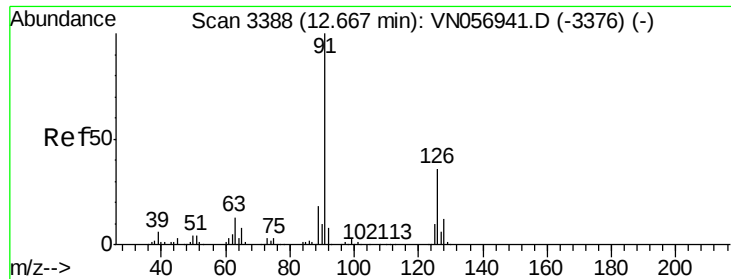
MMdadoda
8/2/2019 10:54:20 PM



#78
n-propylbenzene
Concen: 49.685 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 47.949 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 803690

Ion Ratio Lower Upper

91 100

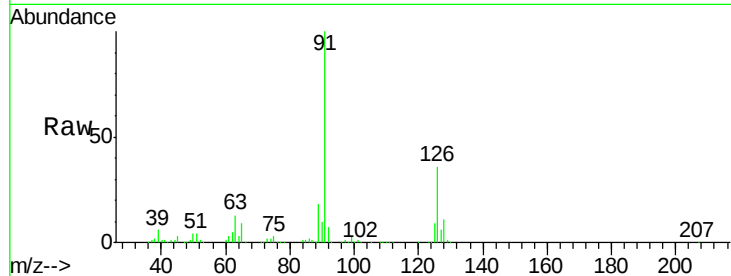
126 36.3 17.9 53.7

Manual Integrations

APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN056999.D (-3295) (-)

Ion 125.90 (125.60 to 126.60): VN056999.D (-3295) (-)

800000

600000

400000

200000

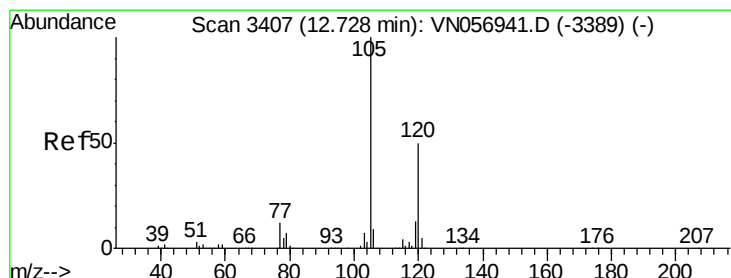
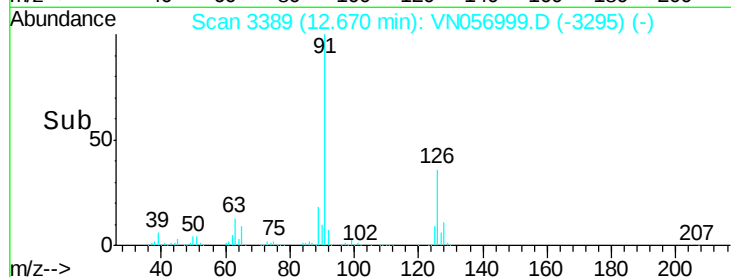
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.623 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056999.D

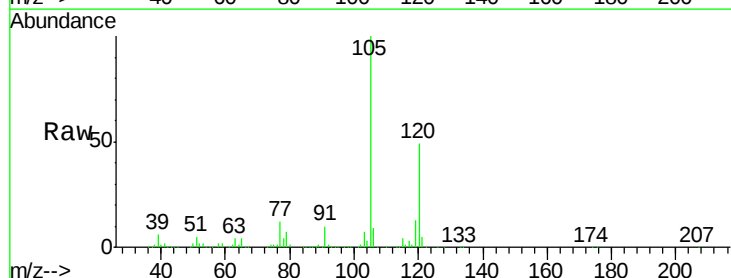
Acq: 31 Jul 2019 8:55

Tgt Ion: 105 Resp: 1038296

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056999.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN056999.D (-3314) (-)

600000

400000

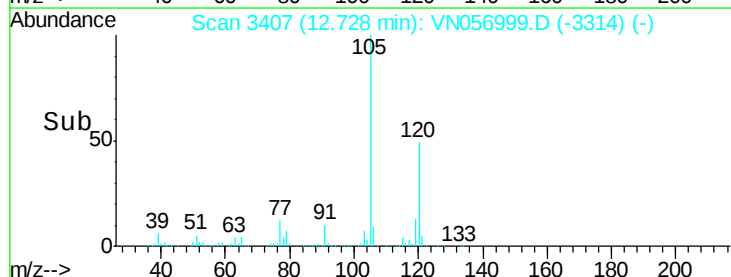
200000

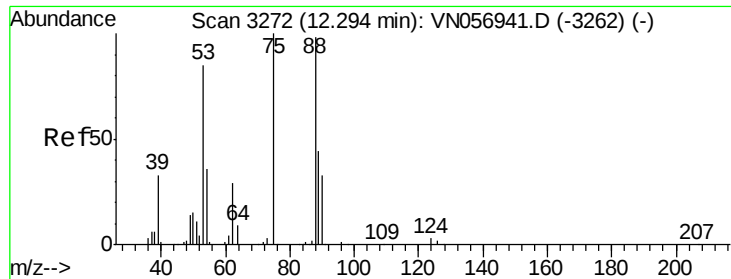
0

12.70

12.80

Time-->





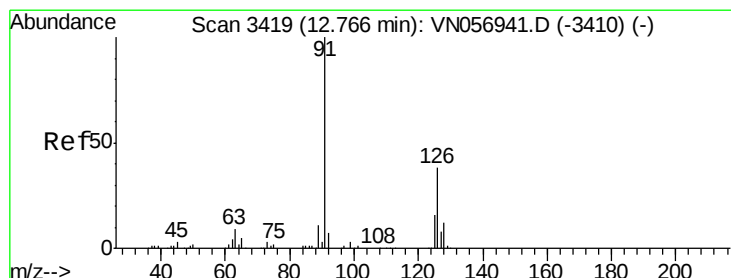
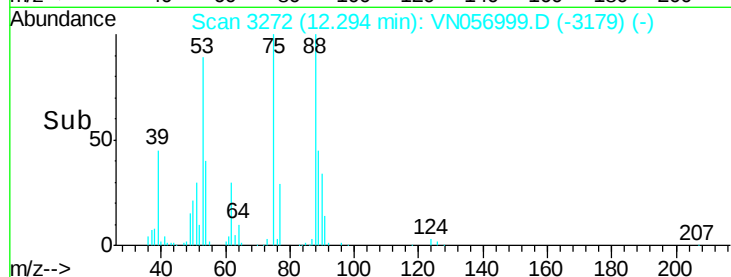
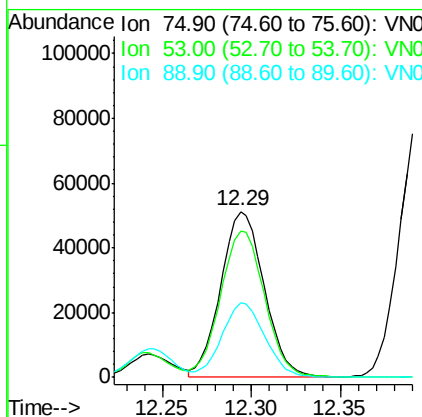
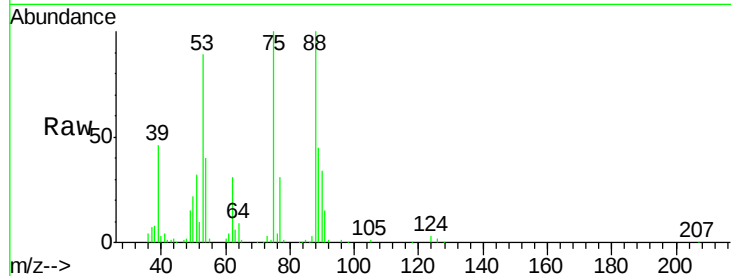
#81
trans-1,4-Dichloro-2-butene
Concen: 46.414 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.3	103.9
89	44.5	35.8	53.6

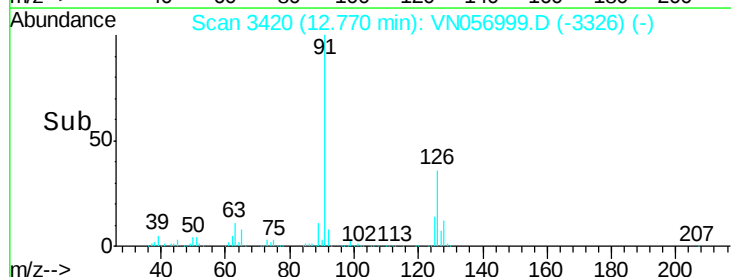
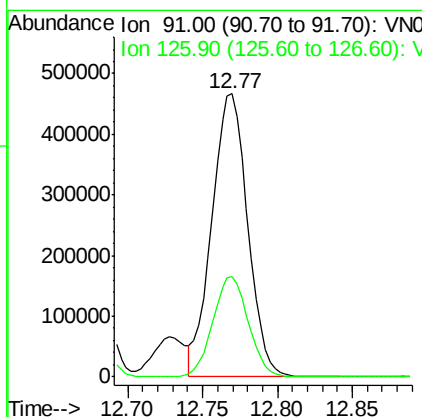
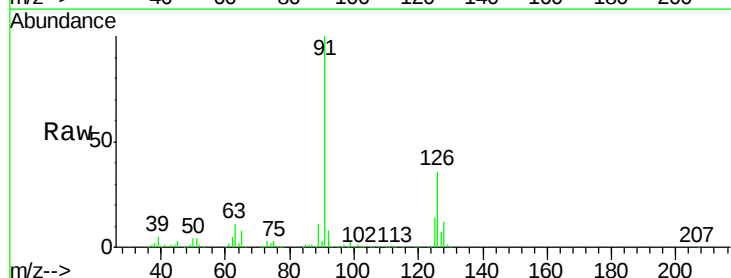
Manual Integrations
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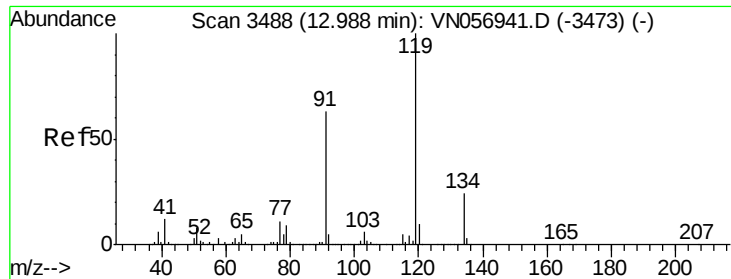
MMDadoda
8/2/2019 10:54:20 PM



#82
4-Chlorotoluene
Concen: 49.476 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





#83

tert-Butylbenzene

Concen: 48.501 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

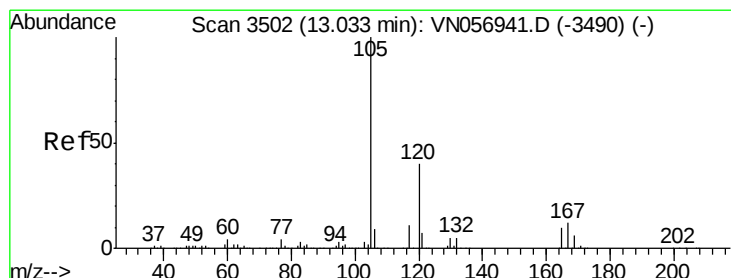
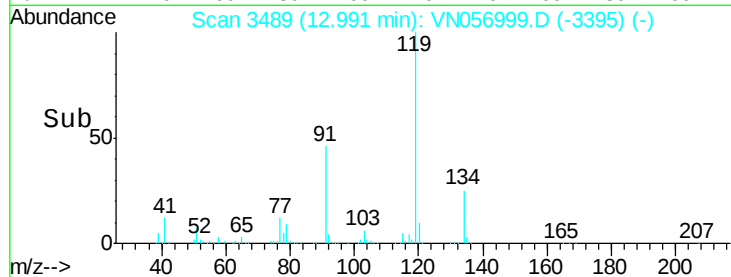
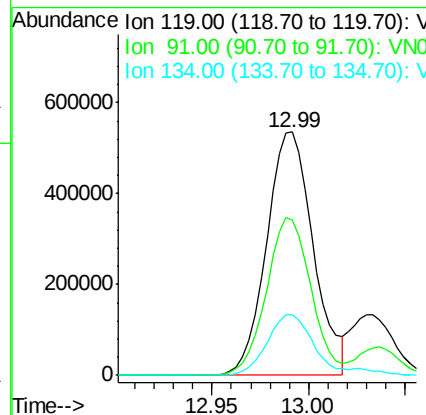
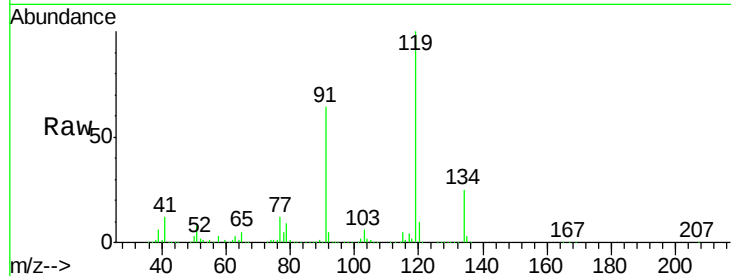
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	898372
Ion Ratio	Lower	Upper	
119	100		
91	61.8	31.3	93.8
134	24.6	13.3	39.8

Manual Integrations
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8/2/2019 10:54:20 PM



#84

1,2,4-Trimethylbenzene

Concen: 50.848 ug/l

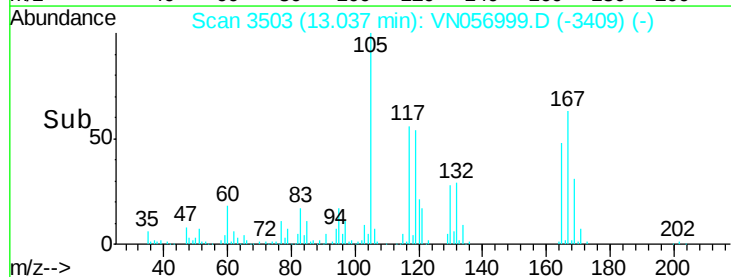
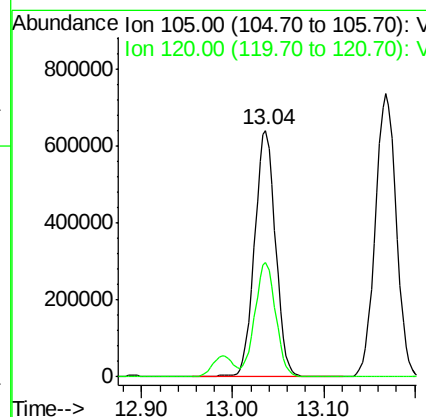
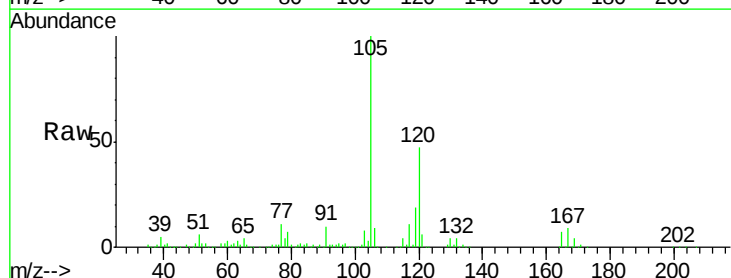
RT: 13.04 min Scan# 3503

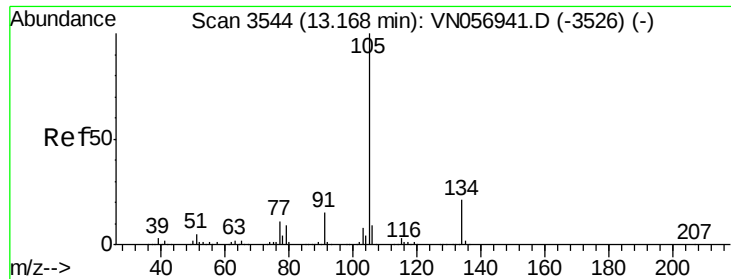
Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	105	Resp:	1023716
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 49.171 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1174779

Ion Ratio Lower Upper

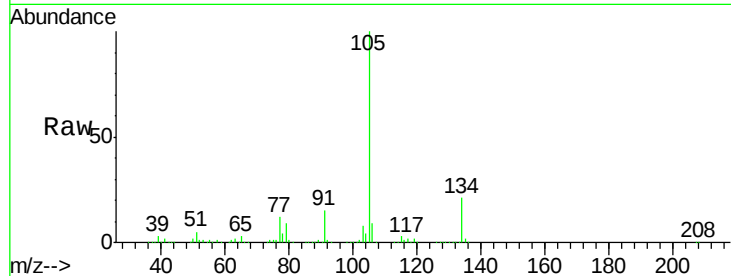
105 100

134 20.7 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

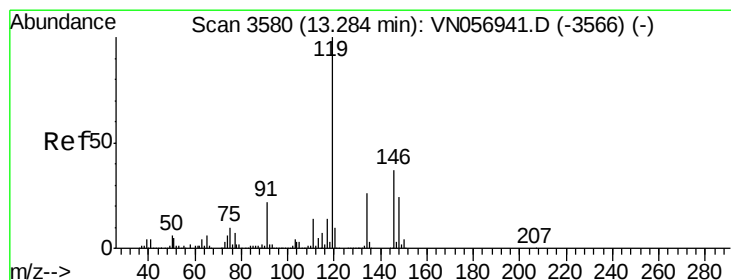
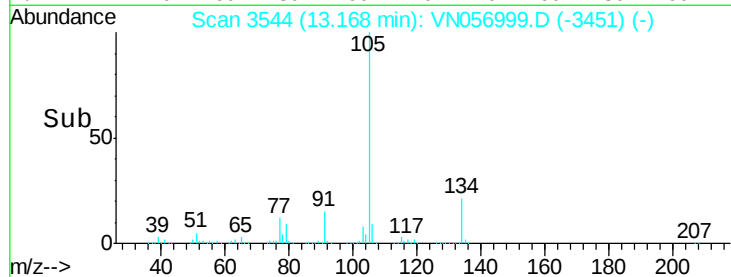
600000

400000

200000

0

Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 50.618 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

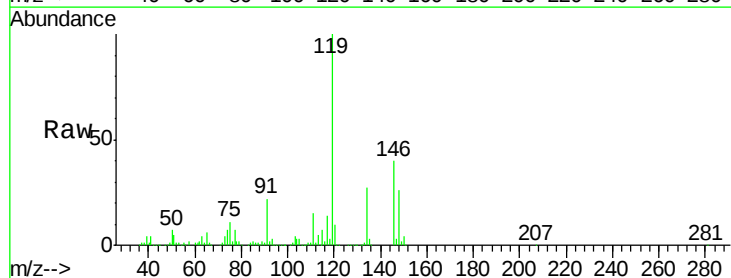
Tgt Ion:119 Resp: 1073698

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 22.3 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

800000

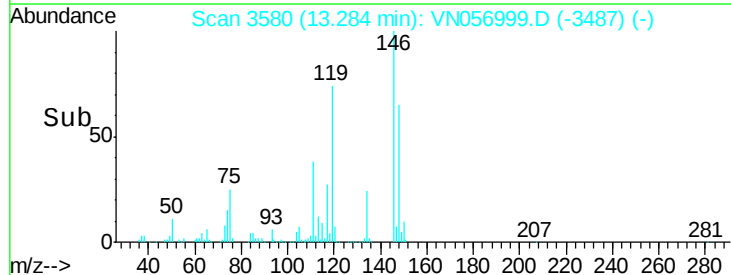
600000

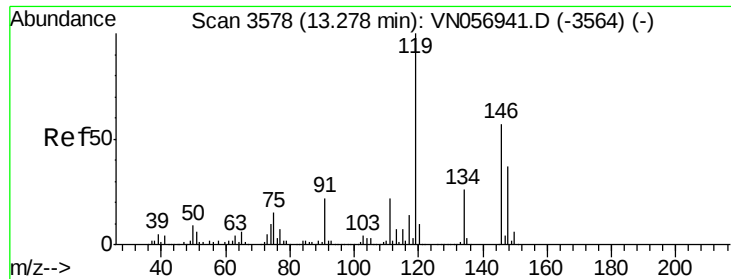
400000

200000

0

Time--> 13.20 13.25 13.30 13.35





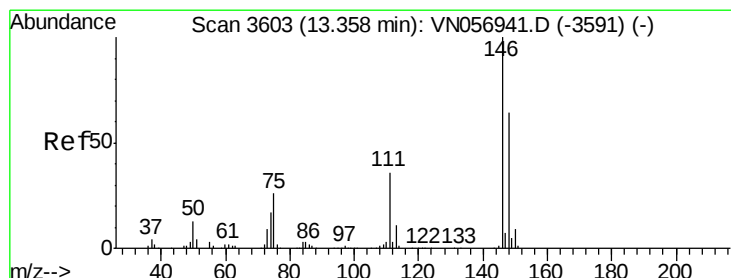
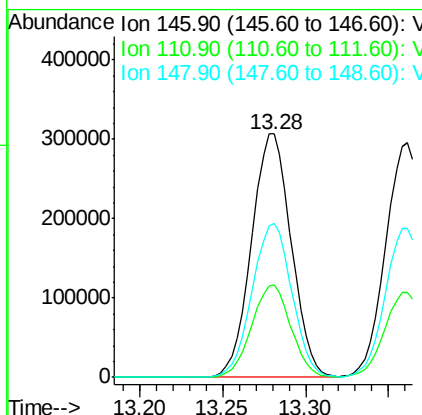
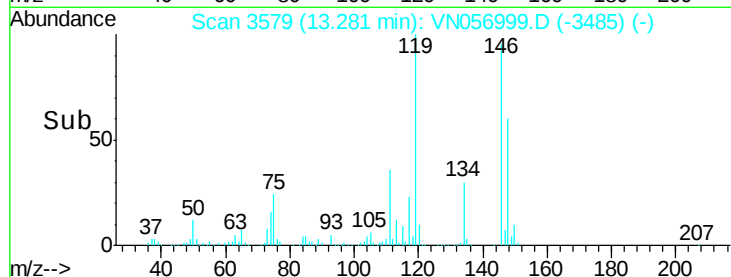
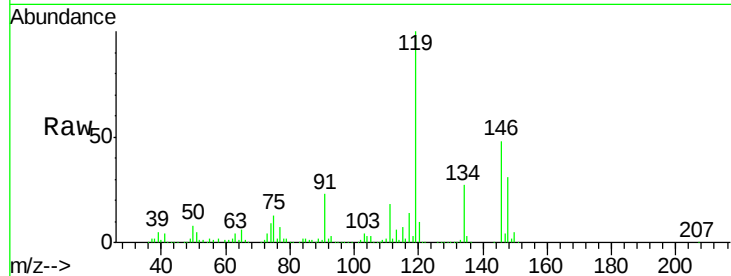
#87
 1,3-Dichlorobenzene
 Concen: 50.592 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	512052		
111	37.5	18.6	55.8	
148	63.3	32.2	96.6	

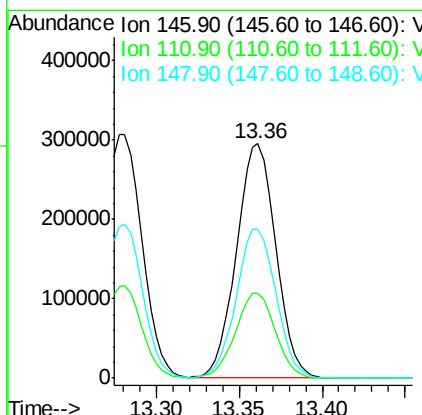
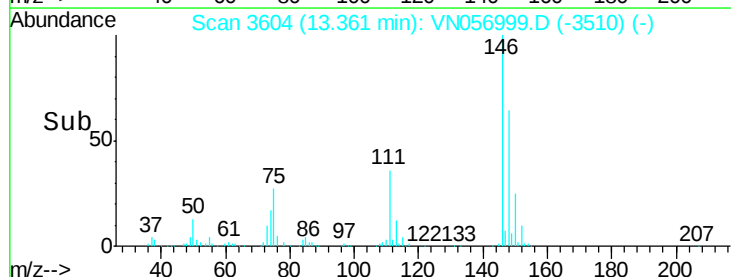
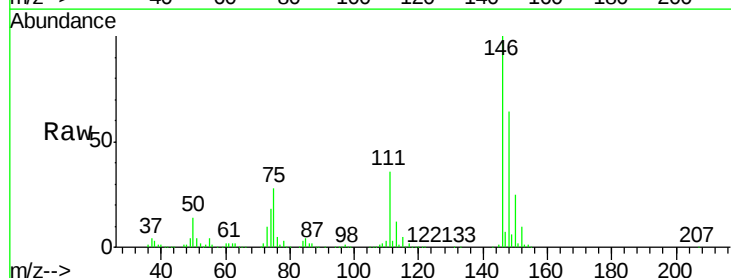
Manual Integrations
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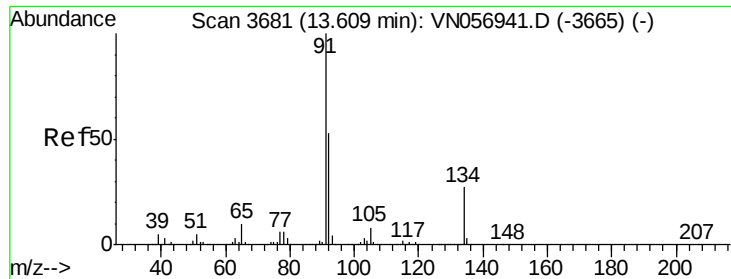
MMdadoda
 8/2/2019 10:54:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.211 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	489228		
111	36.7	18.4	55.2	
148	64.3	32.3	96.9	





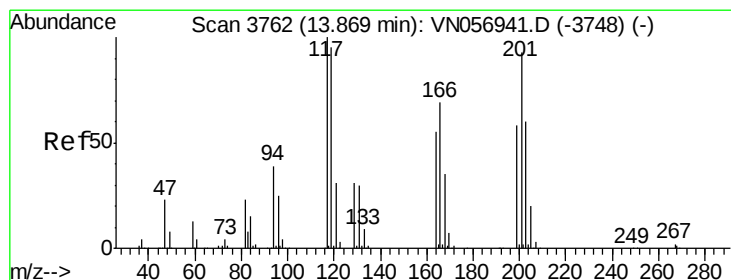
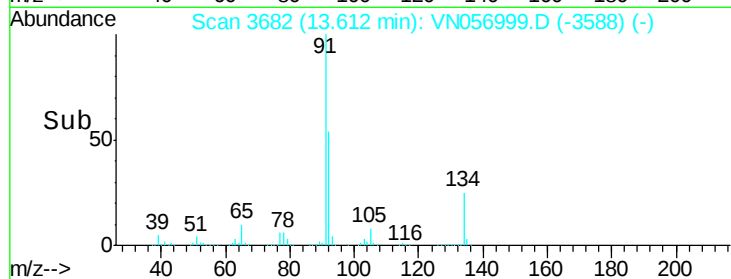
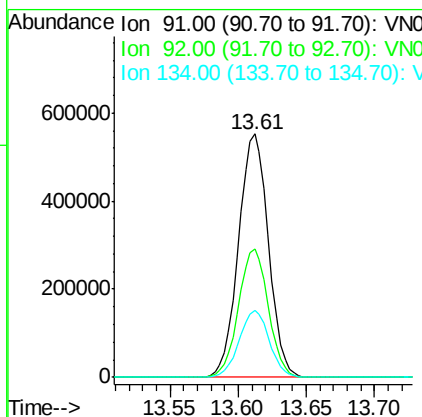
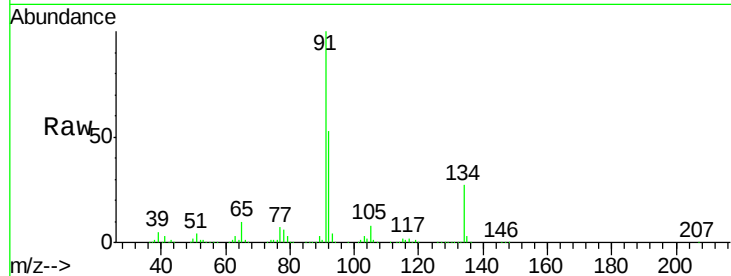
#89
n-Butylbenzene
Concen: 51.359 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	27.6	13.5	40.4

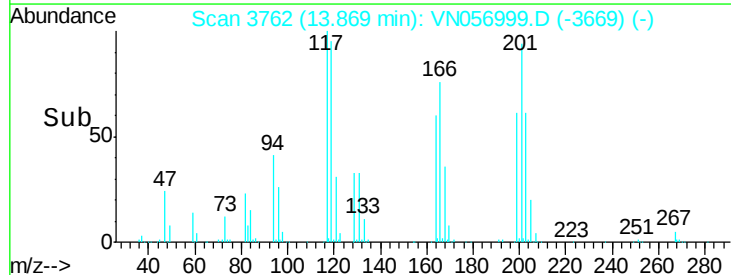
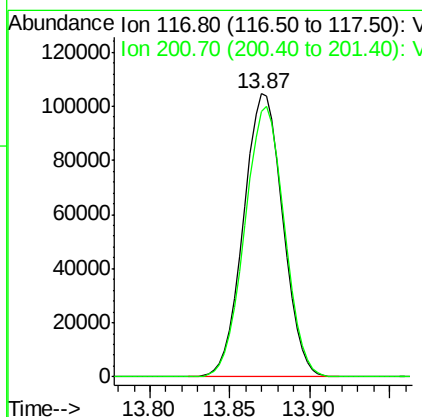
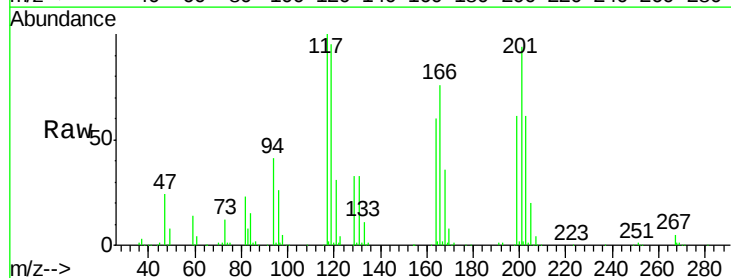
Manual Integrations
APPROVED

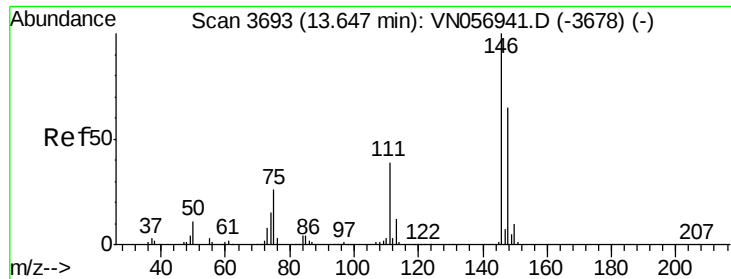
MMDadoda
8/2/2019 10:54:20 PM



#90
Hexachloroethane
Concen: 47.946 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056999.D
Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.3	47.0	141.2





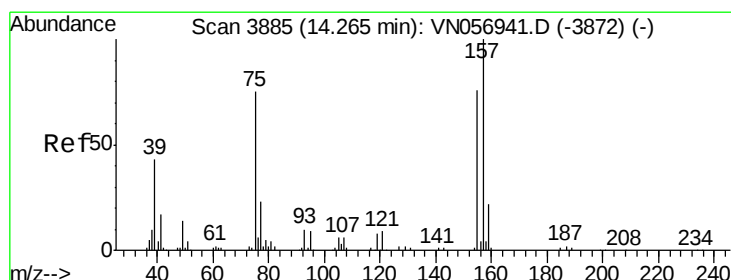
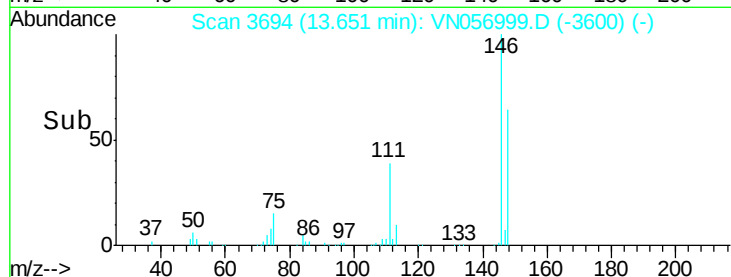
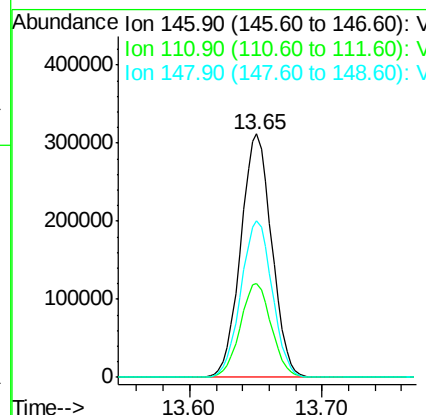
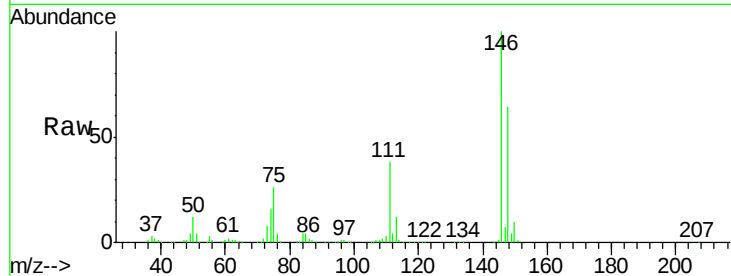
#91
 1,2-Dichlorobenzene
 Concen: 50.758 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	65.0	32.2	96.6

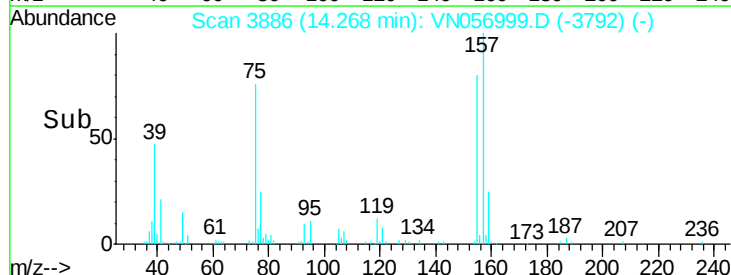
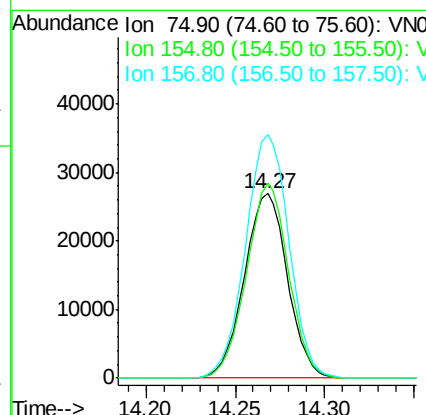
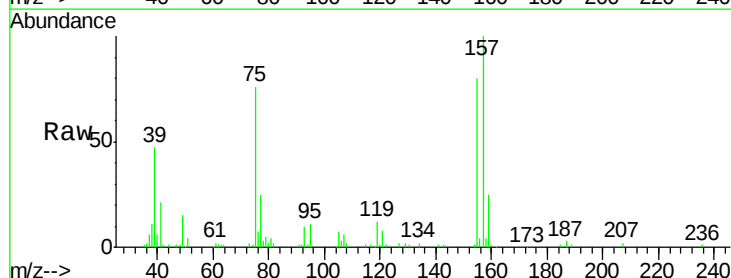
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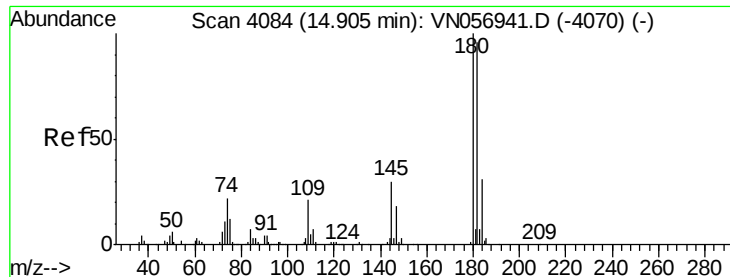
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.837 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	50.2	150.6
157	132.9	65.1	195.4





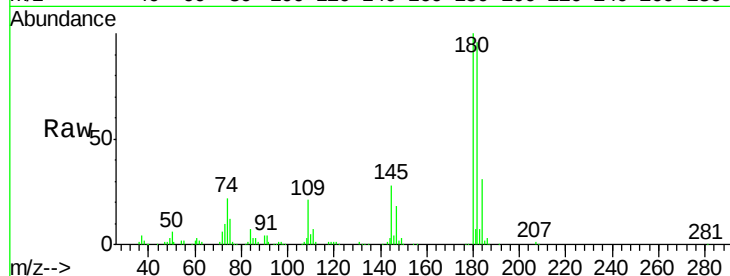
#93
 1,2,4-Trichlorobenzene
 Concen: 44.134 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

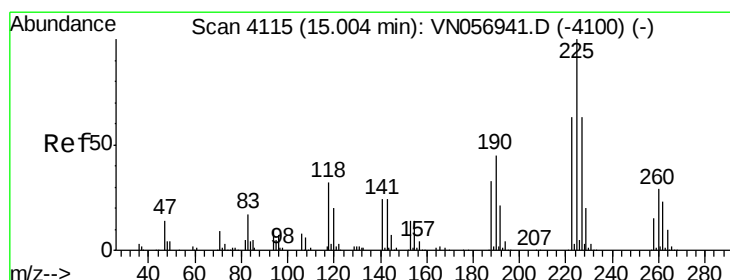
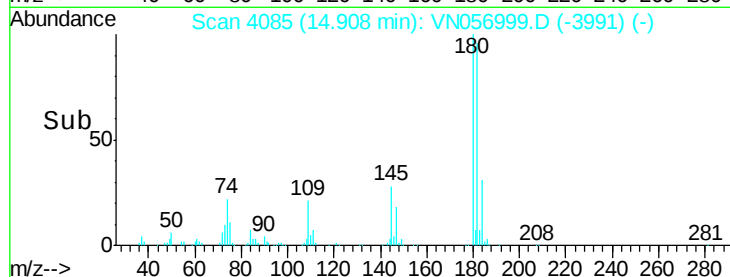
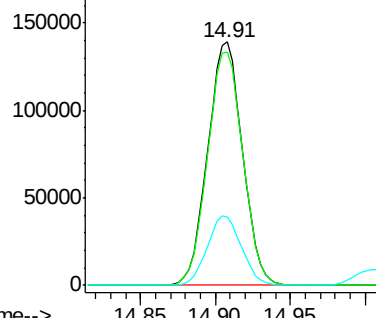
Tot Ion	Ratio	Resp	Lower	Upper
180	100	225067		
182	97.4	47.6	142.8	
145	28.1	14.2	42.8	

Manual Integrations
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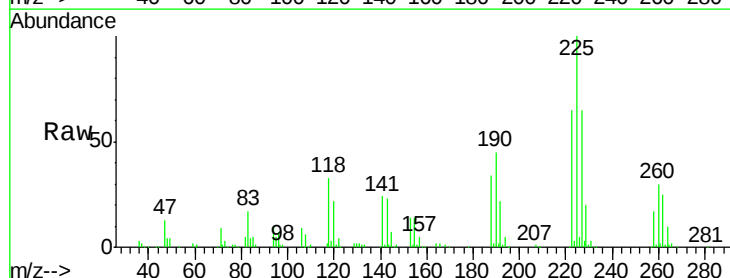


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

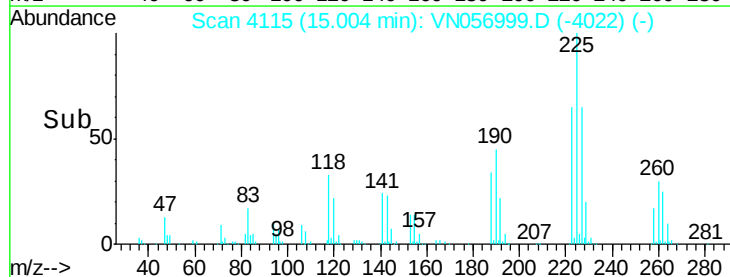
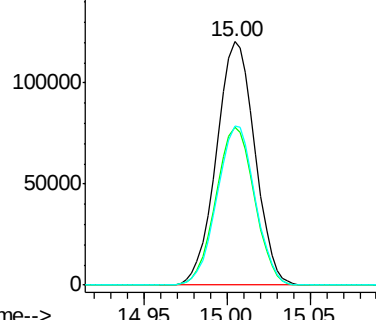


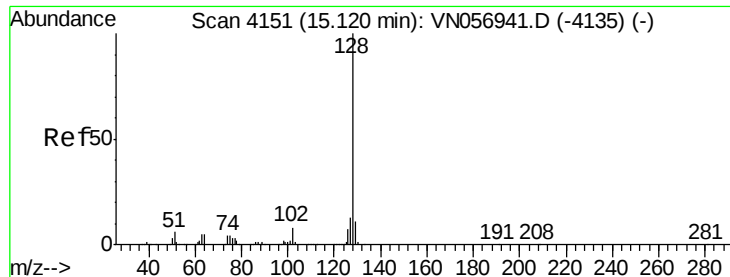
#94
 Hexachlorobutadiene
 Concen: 56.172 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056999.D
 Acq: 31 Jul 2019 8:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	194027		
223	64.9	30.8	92.4	
227	64.8	31.1	93.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.965 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Instrument :

MSVOA_N

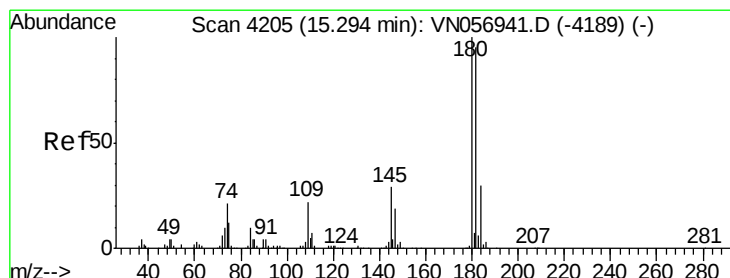
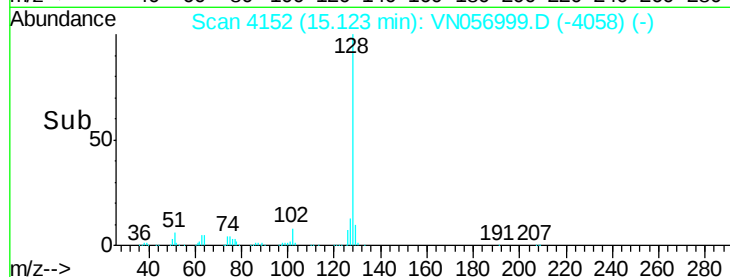
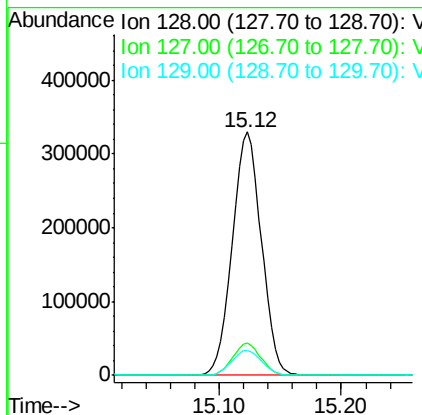
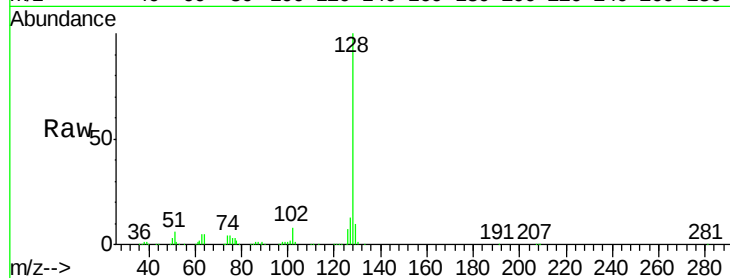
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	545194
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.6	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 47.945 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056999.D

Acq: 31 Jul 2019 8:55

Tgt Ion:	180	Resp:	248516
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.2
145	30.3	15.0	45.0

