

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080219\
 Data File : VN057068.D
 Acq On : 2 Aug 2019 16:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 2:16:55 PM

Quant Time: Aug 03 05:08:41 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	467037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	662455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	596897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	230003	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.58	113	212650	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.08	98	794169	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	272950	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250869	53.134	ug/l	99
3) Chloromethane	2.05	50	254648	45.041	ug/l	100
4) Vinyl Chloride	2.18	62	244144	46.053	ug/l	99
5) Bromomethane	2.54	94	130682	39.652	ug/l	97
6) Chloroethane	2.68	64	133751	45.768	ug/l	99
7) Trichlorofluoromethane	3.00	101	352934	50.858	ug/l	99
8) Diethyl Ether	3.40	74	130844	50.380	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	214666	49.894	ug/l	97
10) Methyl Iodide	3.93	142	231070	40.193	ug/l	99
11) Tert butyl alcohol	4.77	59	161523	249.955	ug/l	100
12) 1,1-Dichloroethene	3.72	96	202505	49.329	ug/l	98
13) Acrolein	3.59	56	66179	199.131	ug/l	99
14) Allyl chloride	4.30	41	321549	48.152	ug/l	98
15) Acrylonitrile	4.97	53	472388	249.276	ug/l	99
16) Acetone	3.80	43	446797	257.970	ug/l	99
17) Carbon Disulfide	4.04	76	483257	44.301	ug/l	98
18) Methyl Acetate	4.31	43	262215	47.459	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	631145	51.561	ug/l	99
20) Methylene Chloride	4.53	84	230494	46.200	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	213783	49.034	ug/l	98
22) Diisopropyl ether	5.93	45	675393	49.088	ug/l	99
23) Vinyl Acetate	5.88	43	2381434	249.810	ug/l	99
24) 1,1-Dichloroethane	5.83	63	398955	49.146	ug/l	99
25) 2-Butanone	6.82	43	606236	246.845	ug/l	98
26) 2,2-Dichloropropane	6.81	77	319812	51.812	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	255106	49.471	ug/l	99
28) Bromochloromethane	7.18	49	189845	49.753	ug/l	97
29) Tetrahydrofuran	7.19	42	382705	238.837	ug/l	99
30) Chloroform	7.36	83	402084	48.444	ug/l	98
31) Cyclohexane	7.64	56	355628	45.271	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	342768	51.758	ug/l	98
36) 1,1-Dichloropropene	7.78	75	291972	50.088	ug/l	100
37) Ethyl Acetate	6.91	43	232821	49.869	ug/l	98
38) Carbon Tetrachloride	7.76	117	297537	53.962	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370527	49.734	ug/l	99
40) Benzene	8.03	78	908218	50.586	ug/l	99
41) Methacrylonitrile	7.16	41	114121	52.876	ug/l	93
42) 1,2-Dichloroethane	8.11	62	290694	51.661	ug/l	99
43) Isopropyl Acetate	8.15	43	389948	50.535	ug/l	98
44) Trichloroethene	8.82	130	257213	52.001	ug/l	99
45) 1,2-Dichloropropane	9.11	63	244025	50.815	ug/l	98
46) Dibromomethane	9.20	93	155714	53.767	ug/l	99
47) Bromodichloromethane	9.39	83	307016	53.918	ug/l	99
48) Methyl methacrylate	9.19	41	192610	51.701	ug/l	97
49) 1,4-Dioxane	9.19	88	76590	997.601	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1171152	255.441	ug/l	99
52) Toluene	10.15	92	569507	52.796	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	322961	54.657	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	369783	53.824	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	226885	52.448	ug/l	99
56) Ethyl methacrylate	10.42	69	320312	49.065	ug/l	99
57) 1,3-Dichloropropane	10.70	76	373996	52.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	520361	200.733	ug/l	97
59) 2-Hexanone	10.74	43	856301	242.601	ug/l	99
60) Dibromochloromethane	10.90	129	249601	56.318	ug/l	98
61) 1,2-Dibromoethane	11.00	107	233733	55.366	ug/l	99
64) Tetrachloroethene	10.62	164	258168	50.191	ug/l	98
65) Chlorobenzene	11.43	112	626215	51.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	242328	52.922	ug/l	99
67) Ethyl Benzene	11.50	91	1094076	52.035	ug/l	100
68) m/p-Xylenes	11.62	106	821240	105.833	ug/l	100
69) o-Xylene	11.94	106	400581	52.766	ug/l	99
70) Styrene	11.96	104	664819	49.562	ug/l	99
71) Bromoform	12.12	173	177236	55.440	ug/l #	99
73) Isopropylbenzene	12.24	105	1079043	48.697	ug/l	100
74) N-amyl acetate	12.07	43	315572	49.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	293470	52.528	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	250508m	48.111	ug/l	
77) Bromobenzene	12.52	156	283018	48.938	ug/l	99
78) n-propylbenzene	12.59	91	1172356	49.552	ug/l	99
79) 2-Chlorotoluene	12.67	91	706760	48.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	913895	50.252	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	80817	49.869	ug/l	99
82) 4-Chlorotoluene	12.77	91	689561	50.579	ug/l	99
83) tert-Butylbenzene	12.99	119	816368	50.709	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	885909	50.627	ug/l	100
85) sec-Butylbenzene	13.17	105	1045957	50.369	ug/l	100
86) p-Isopropyltoluene	13.29	119	958191	51.973	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	458814	52.156	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	434645	51.324	ug/l	100
89) n-Butylbenzene	13.61	91	729449	51.337	ug/l	99
90) Hexachloroethane	13.87	117	162448	51.171	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	454208	52.462	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45984	52.177	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203338	45.769	ug/l	99
94) Hexachlorobutadiene	15.00	225	177632	59.356	ug/l	97
95) Naphthalene	15.12	128	505175	46.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226321	50.138	ug/l	100

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

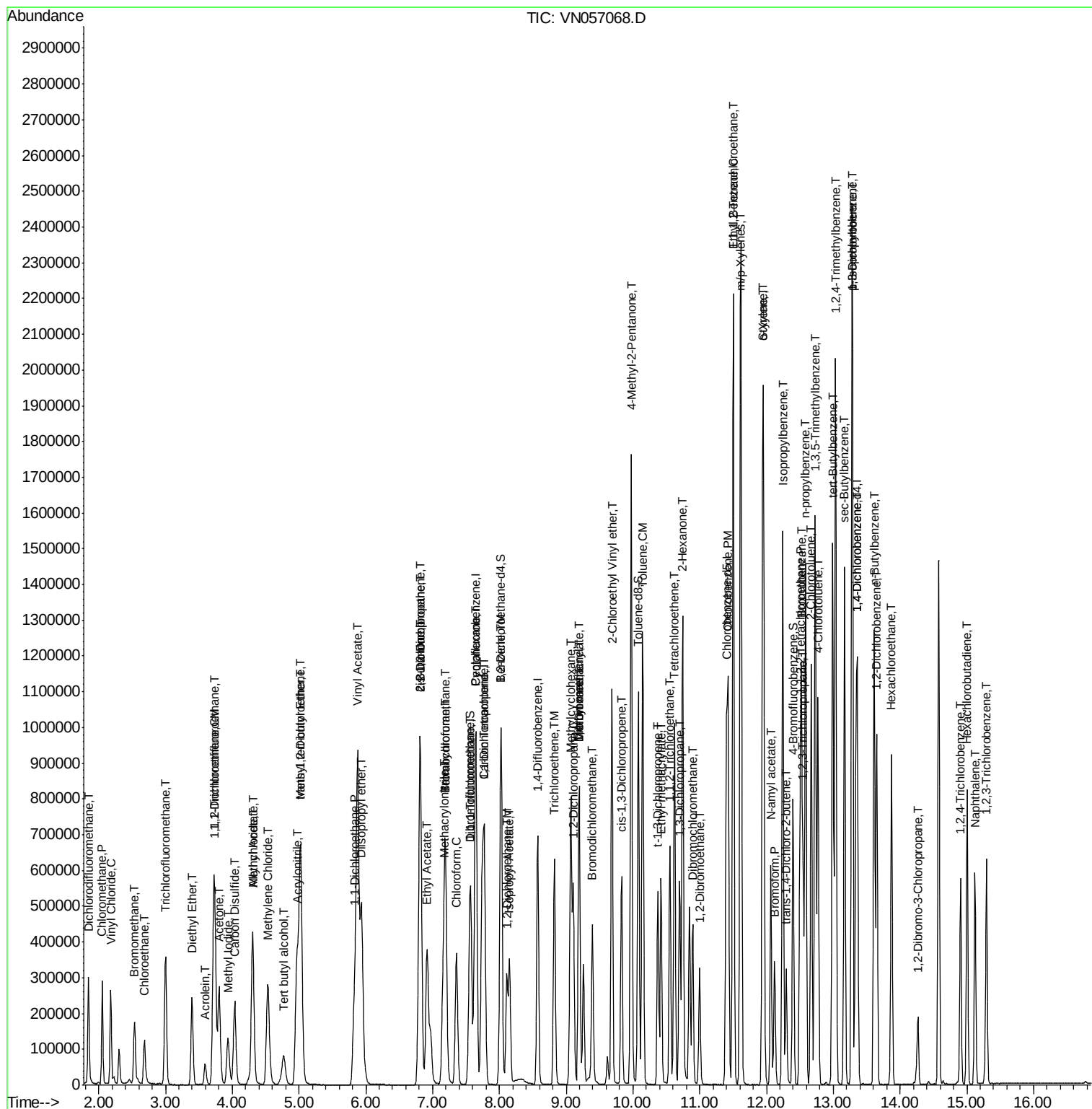
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080219\
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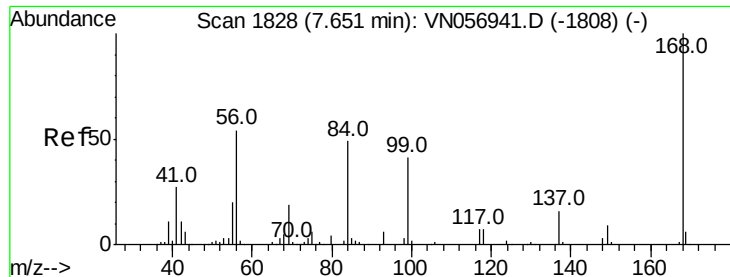
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 467037

Ion Ratio Lower Upper

168 100

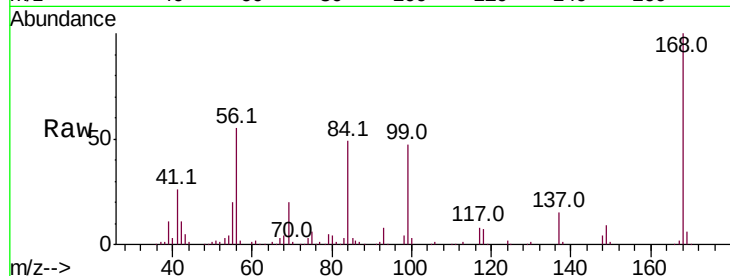
99 46.8 39.0 58.4

Manual Integrations

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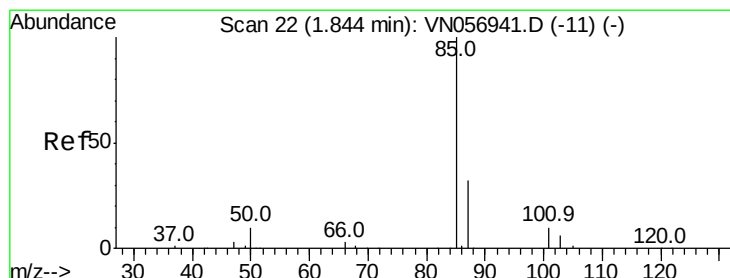
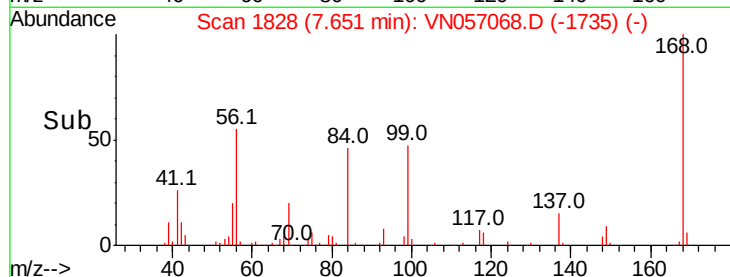
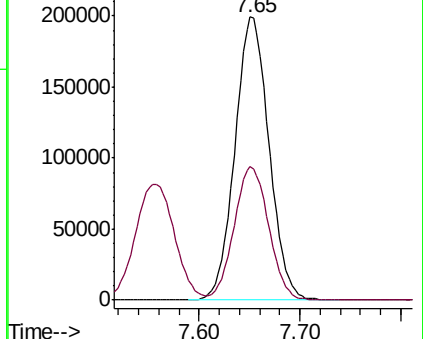
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 53.134 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057068.D

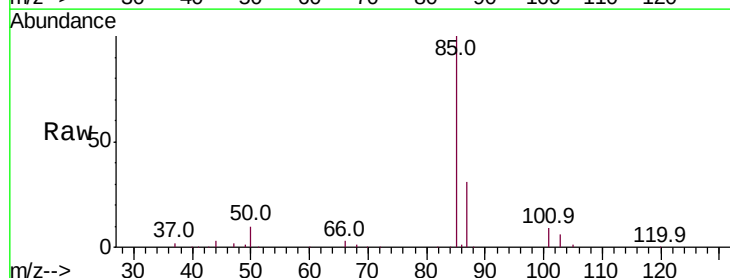
Acq: 2 Aug 2019 16:56

Tgt Ion: 85 Resp: 250869

Ion Ratio Lower Upper

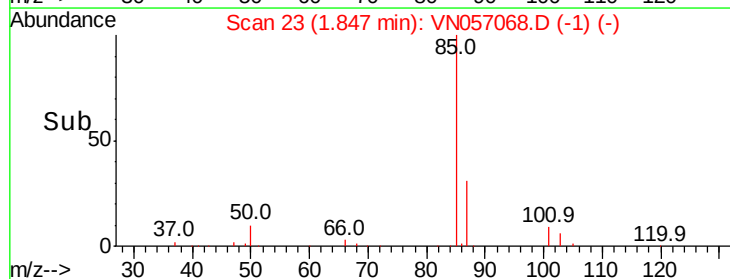
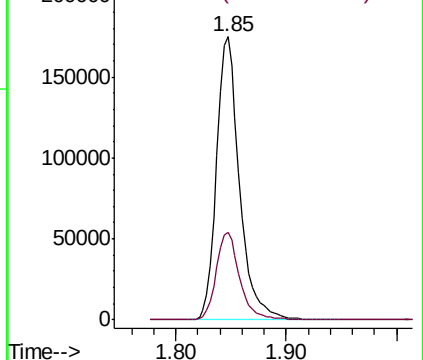
85 100

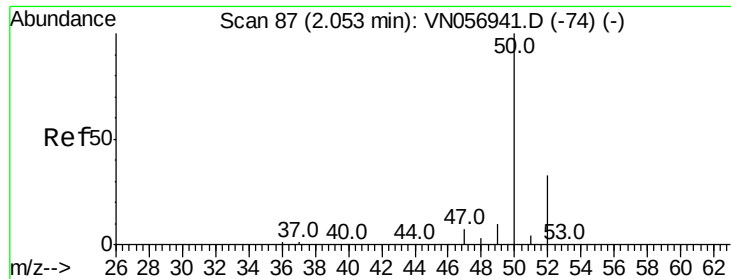
87 31.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.041 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 254648

Ion Ratio Lower Upper

50 100

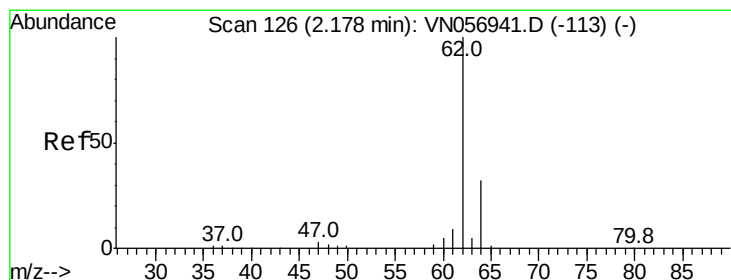
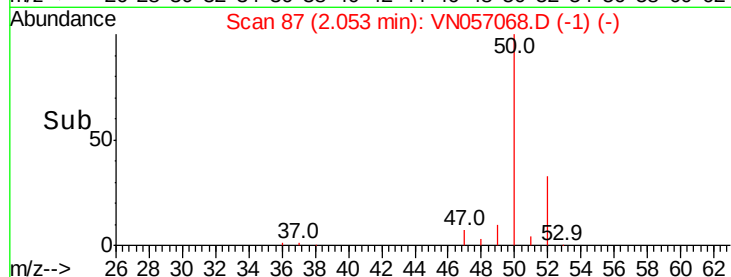
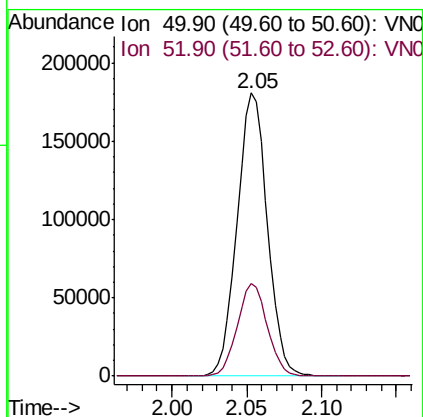
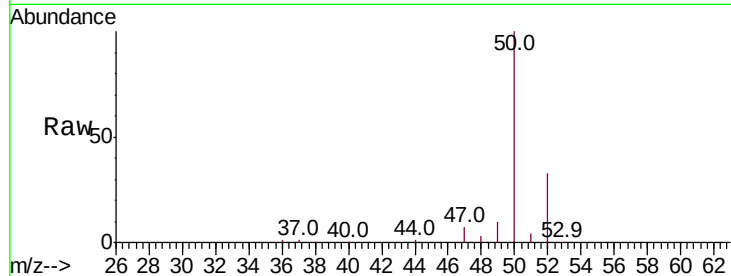
52 33.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.053 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057068.D

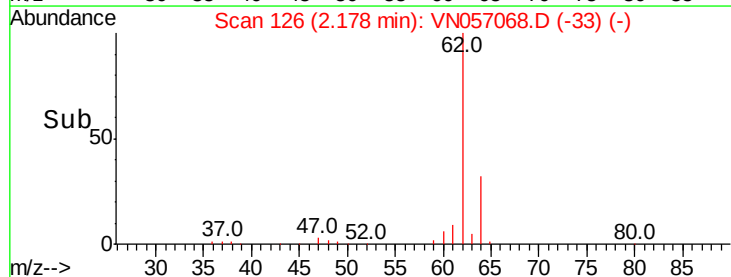
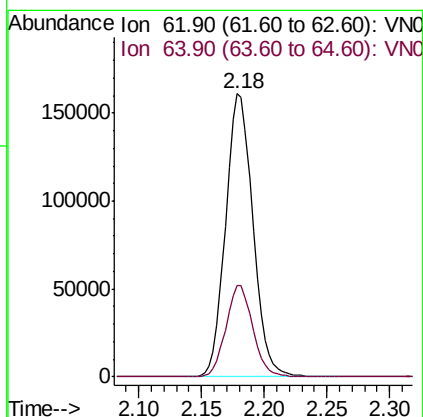
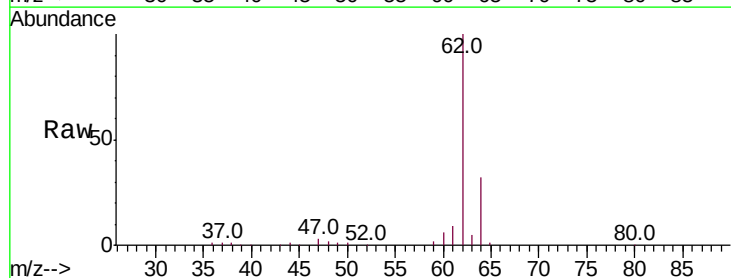
Acq: 2 Aug 2019 16:56

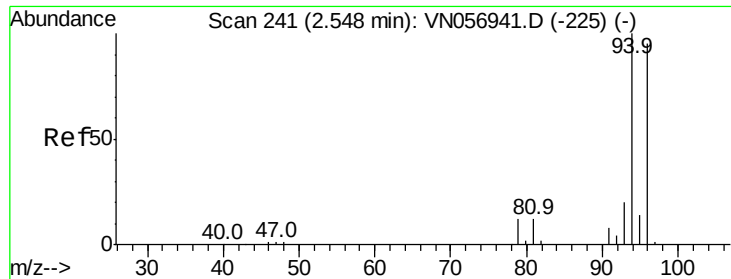
Tgt Ion: 62 Resp: 244144

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 39.652 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

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Tot Ion: 94 Resp: 130682

Ion Ratio Lower Upper

94 100

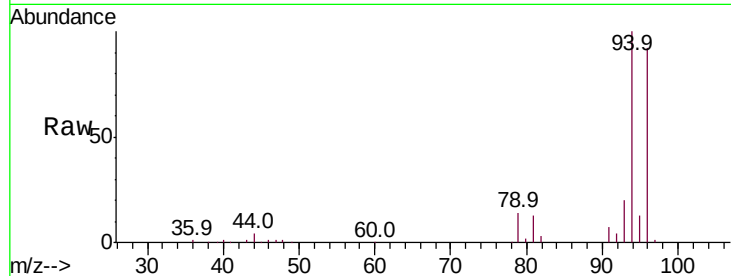
96 92.3 76.2 114.2

Manual Integrations

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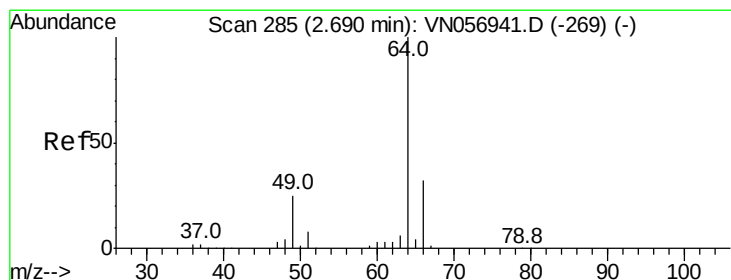
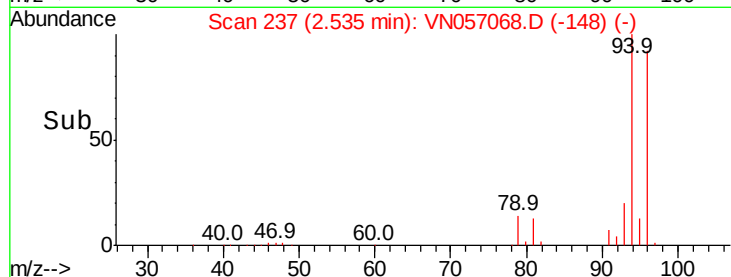
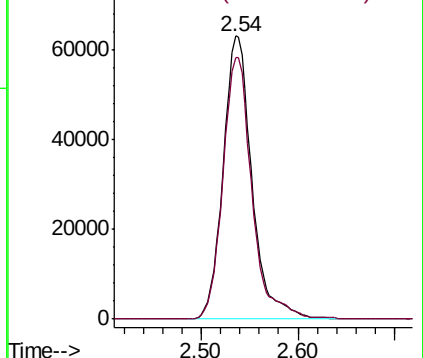
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.768 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

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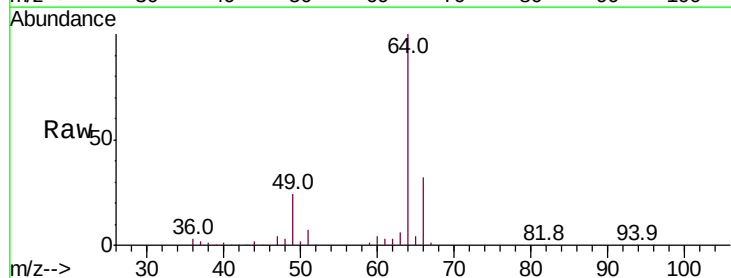
Acq: 2 Aug 2019 16:56

Tgt Ion: 64 Resp: 133751

Ion Ratio Lower Upper

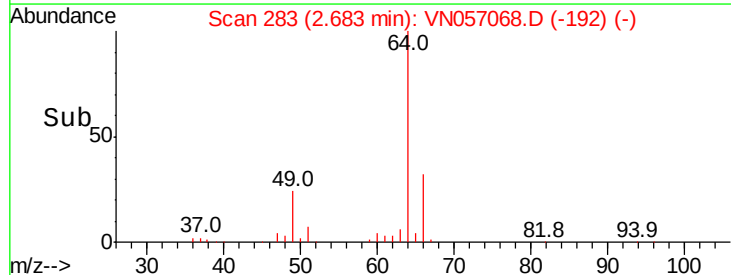
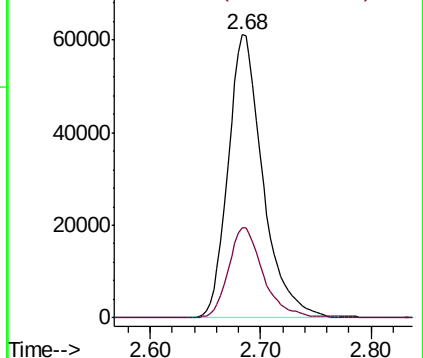
64 100

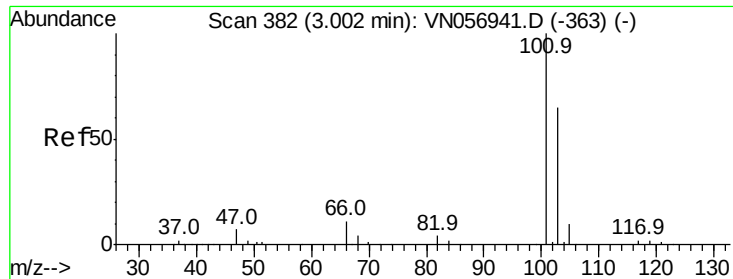
66 32.0 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

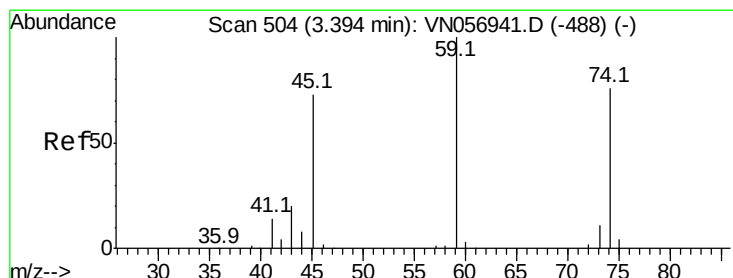
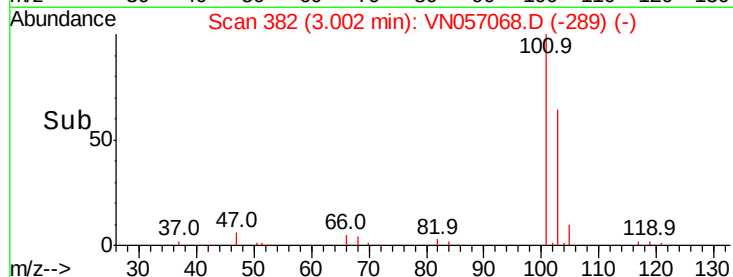
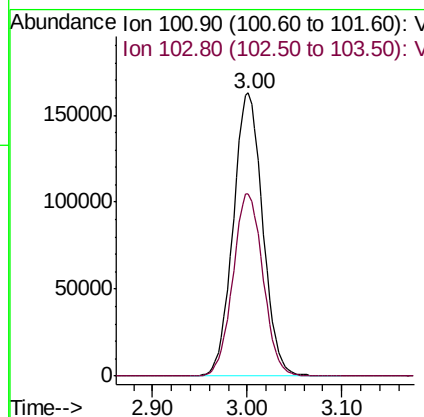
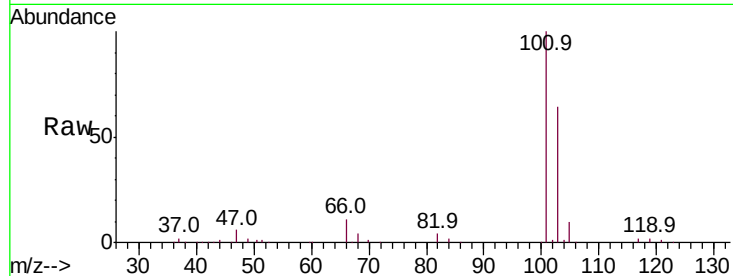
Trichlorofluoromethane
 Concen: 50.858 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

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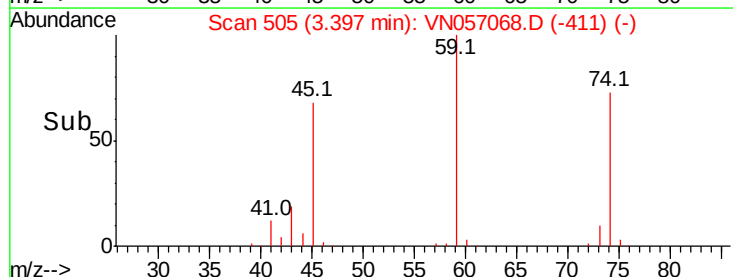
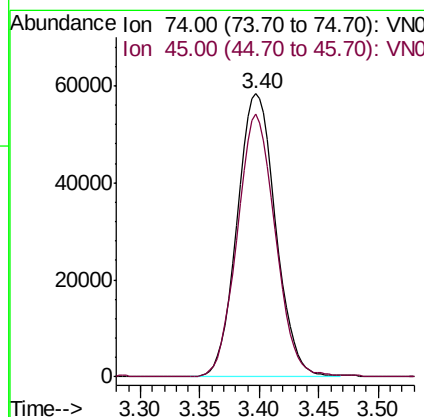
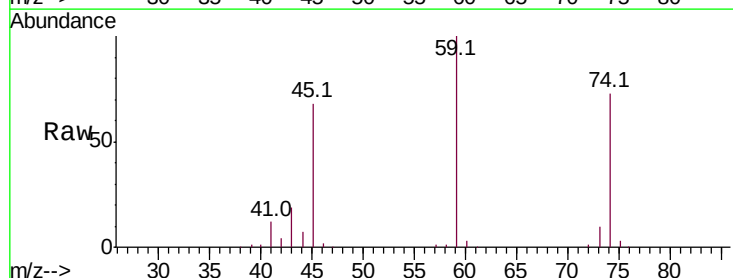
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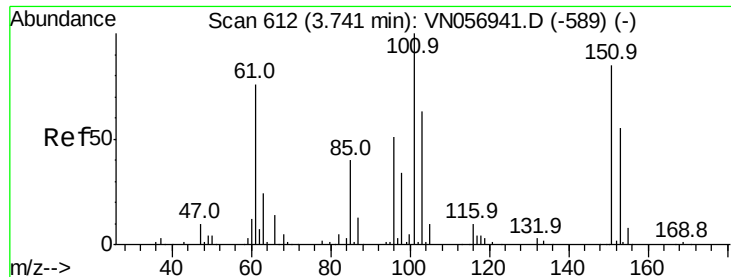


#8

Diethyl Ether
 Concen: 50.380 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.894 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

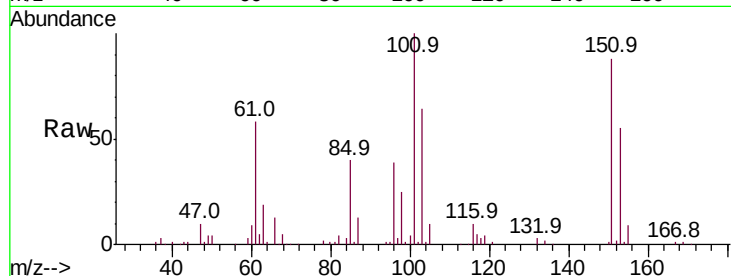
ClientSampleId :

VSTDCCC050EC

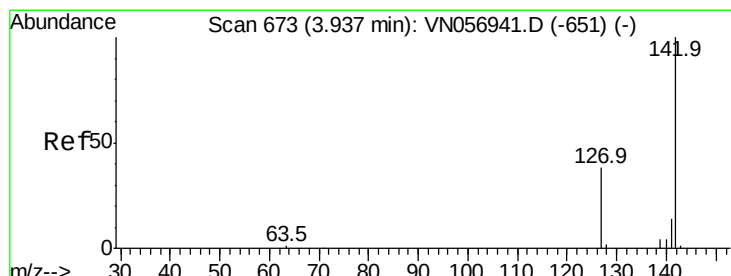
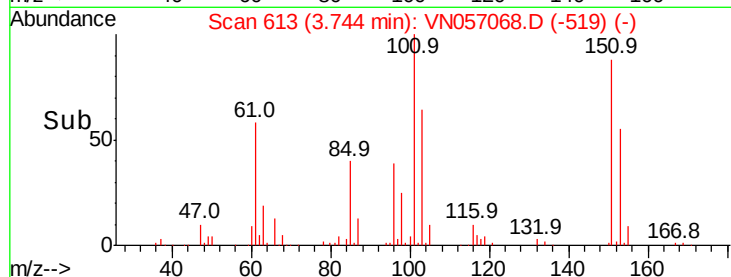
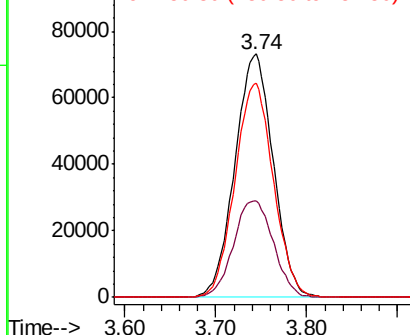
Tot Ion:	101	Resp:	214666
Ion Ratio	Lower	Upper	
101	100		
85	41.2	32.3	48.5
151	87.9	68.0	102.0

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



#10

Methyl Iodide

Concen: 40.193 ug/l

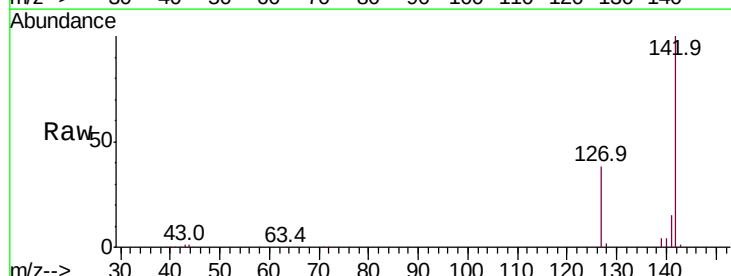
RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

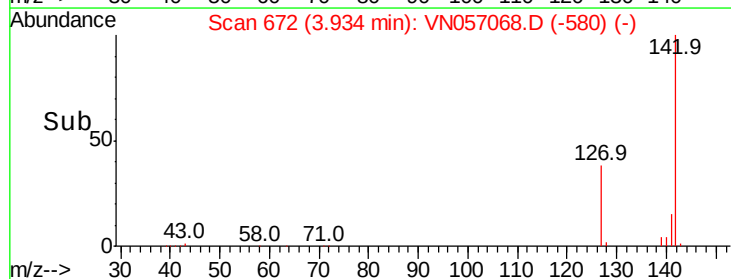
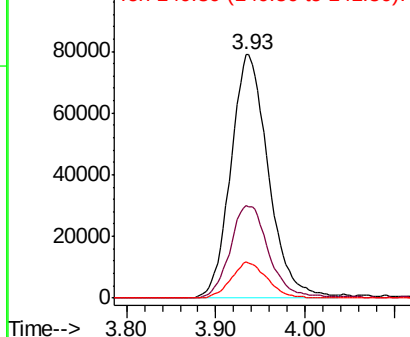
Lab File: VN057068.D

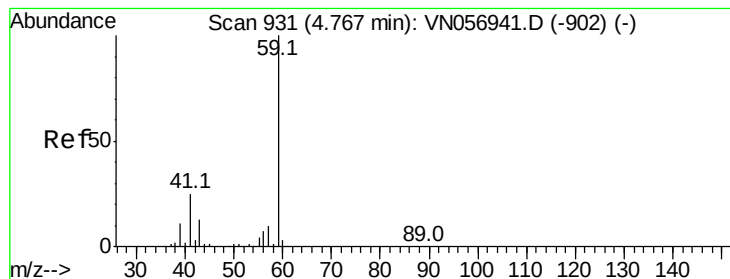
Acq: 2 Aug 2019 16:56

Tgt Ion:	142	Resp:	231070
Ion Ratio	Lower	Upper	
142	100		
127	38.9	30.4	45.6
141	14.2	11.1	16.7



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





#11

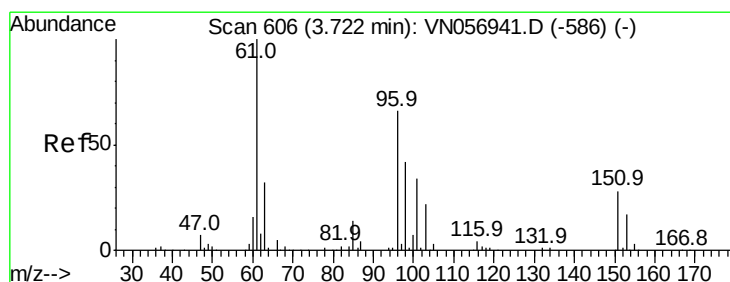
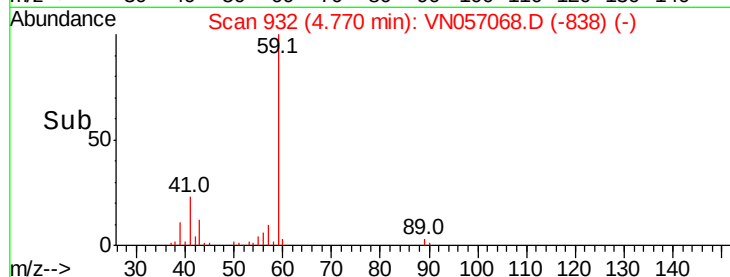
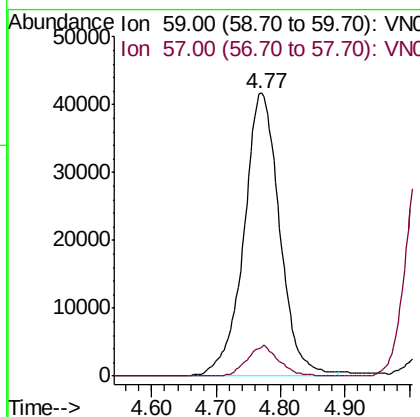
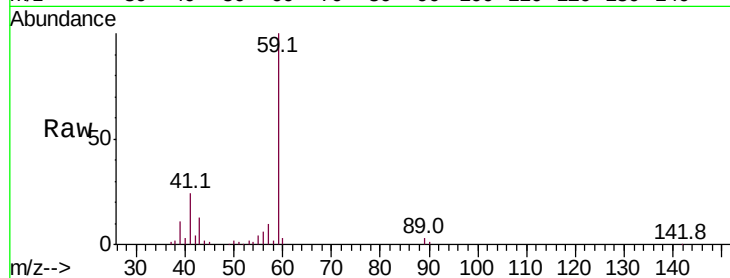
Tert butyl alcohol
 Concen: 249.955 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	161523
Ion Ratio	100	Lower	Upper
57	9.5	7.5	11.3

Manual Integrations
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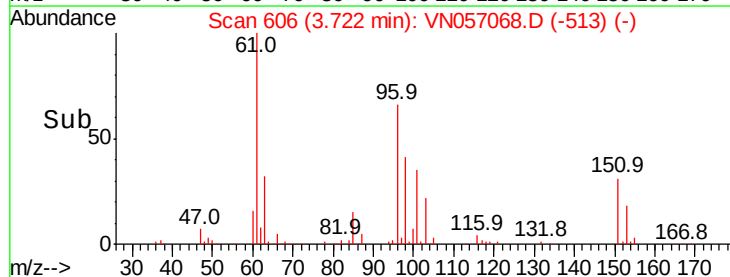
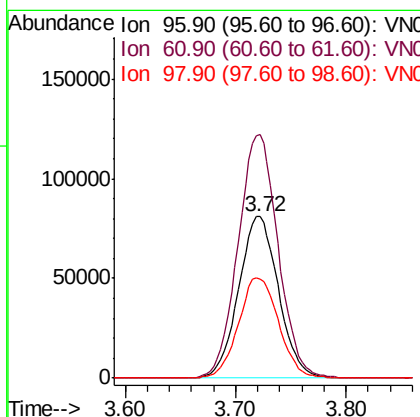
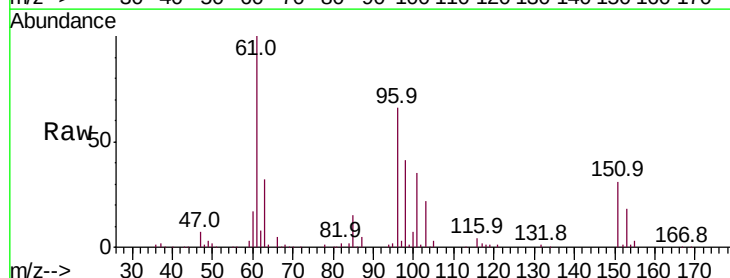
MMDadoda
 8/6/2019 2:16:55 PM

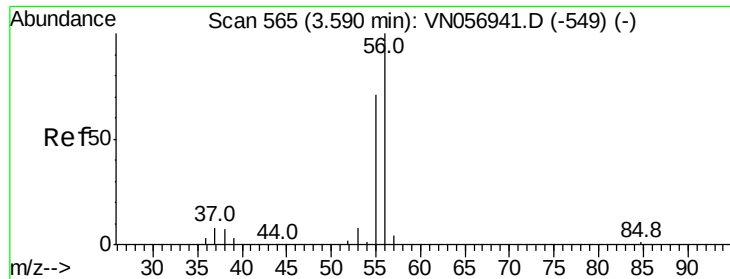


#12

1,1-Dichloroethene
 Concen: 49.329 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	96	Resp	202505
Ion Ratio	100	Lower	Upper
61	150.7	121.8	182.8
98	61.3	51.7	77.5





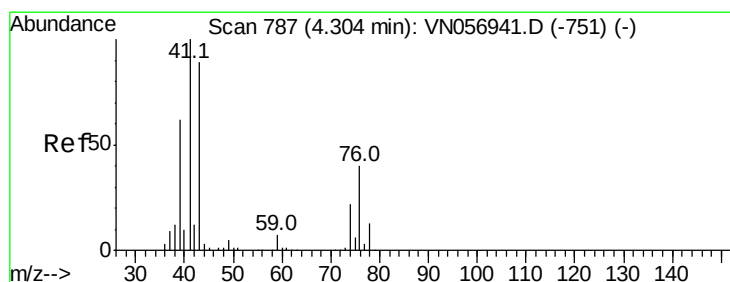
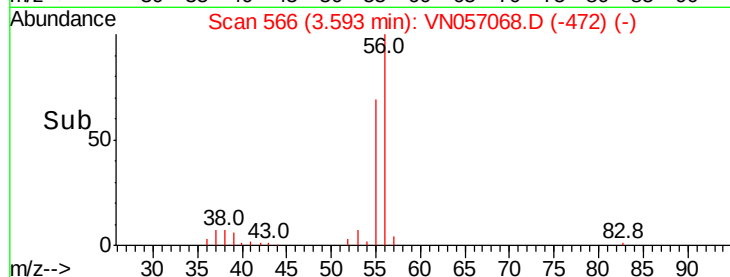
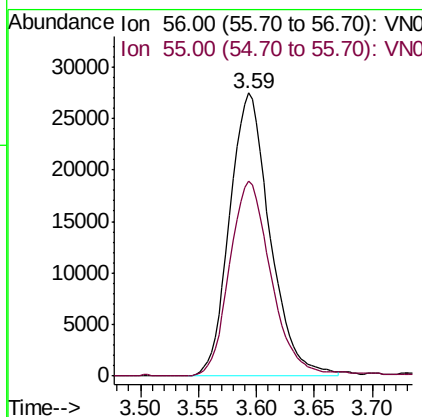
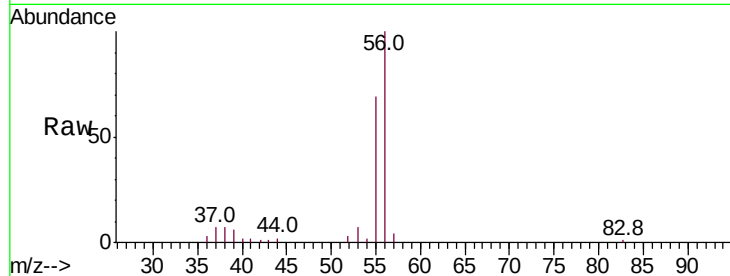
#13
 Acrolein
 Concen: 199.131 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	66179
Ion Ratio	Lower	Upper	
56	100		
55	70.5	55.8	83.6

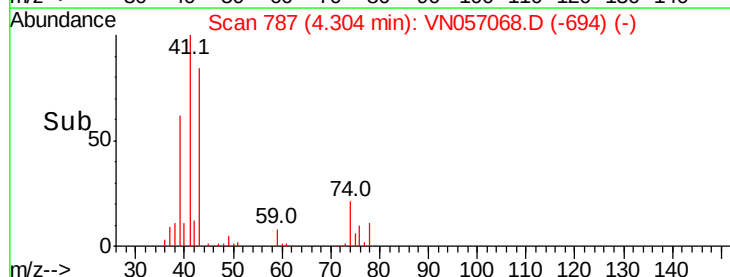
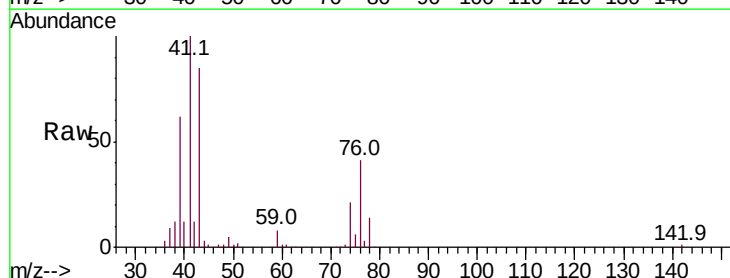
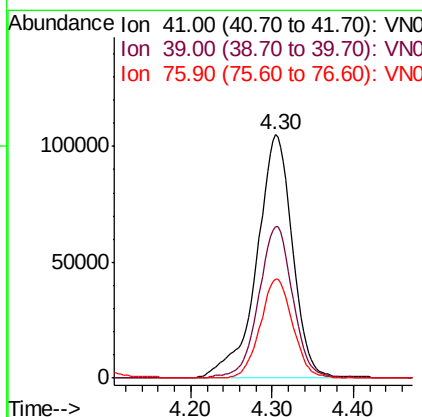
Manual Integrations
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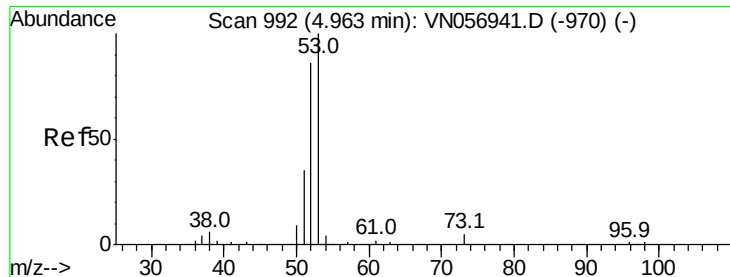
MMDadoda
 8/6/2019 2:16:55 PM



#14
 Allyl chloride
 Concen: 48.152 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	41	Resp	321549
Ion Ratio	Lower	Upper	
41	100		
39	59.4	46.4	69.6
76	37.1	28.4	42.6





#15

Acrylonitrile

Concen: 249.276 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

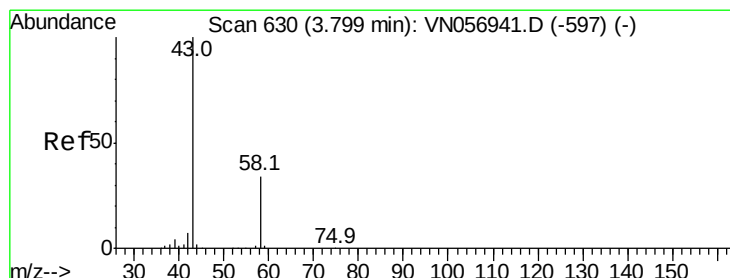
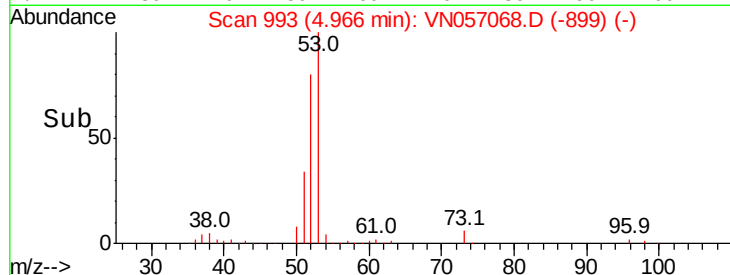
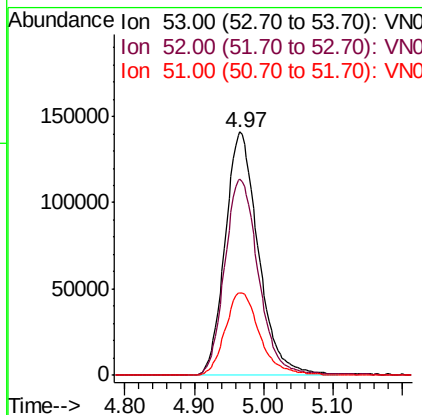
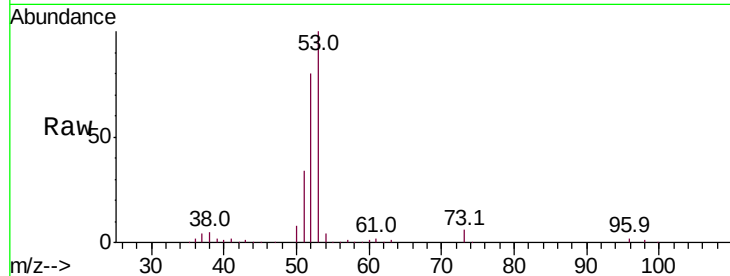
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	472388
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.5	99.7
51	35.4	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 257.970 ug/l

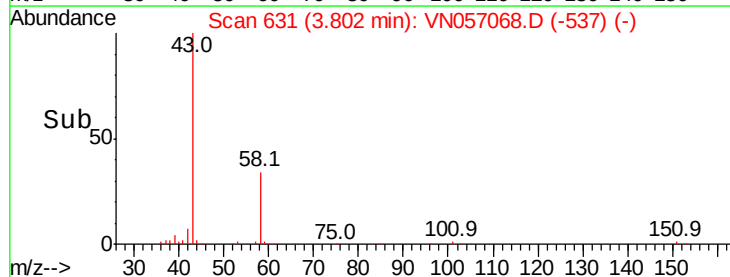
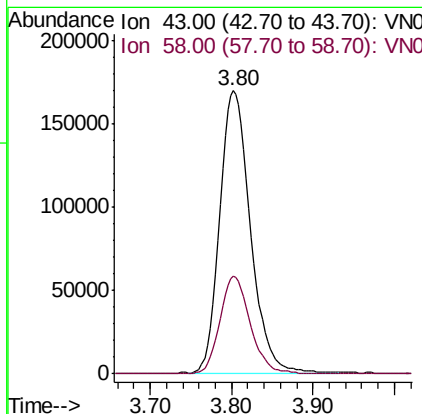
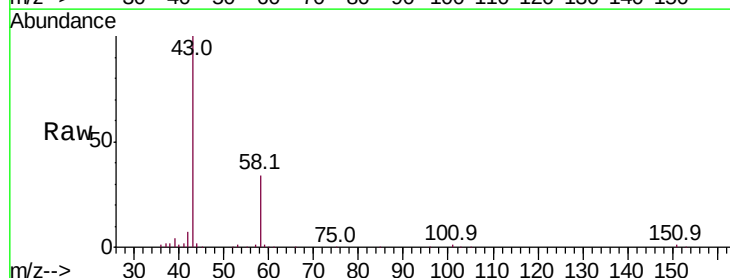
RT: 3.80 min Scan# 631

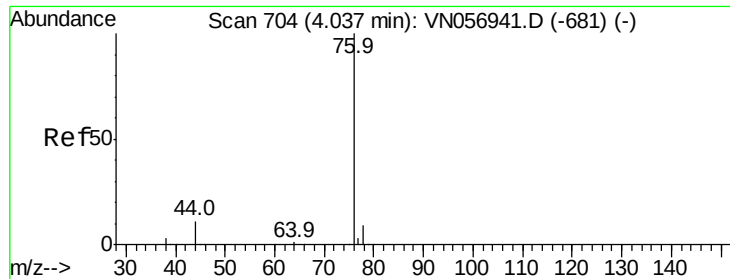
Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	43	Resp:	446797
Ion Ratio	Lower	Upper	
43	100		
58	34.6	27.2	40.8





#17

Carbon Disulfide

Concen: 44.301 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 483257

Ion Ratio Lower Upper

76 100

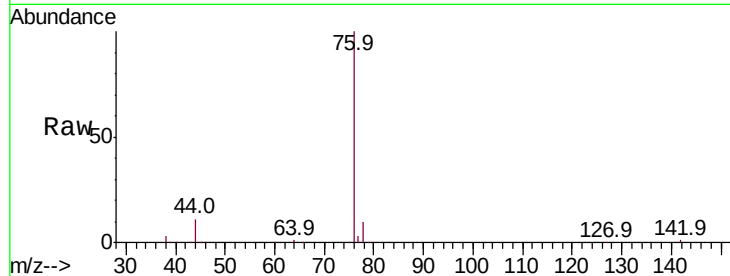
78 9.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN056941.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN056941.D (-681) (-)

4.04

200000

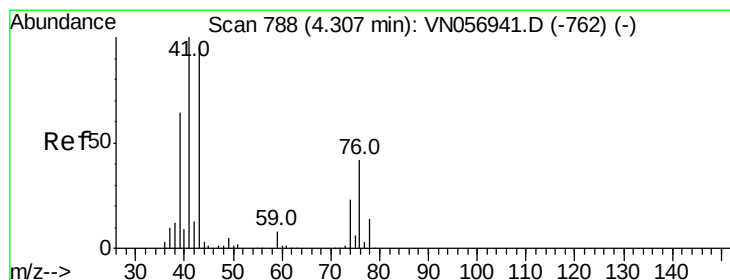
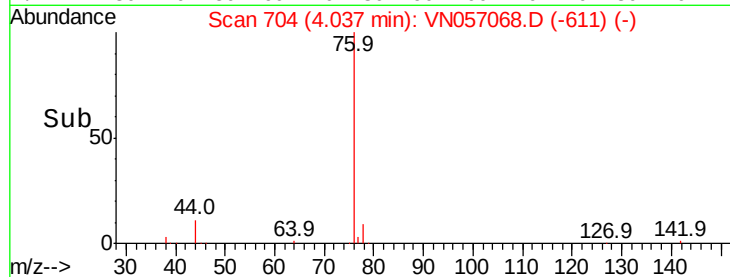
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.459 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057068.D

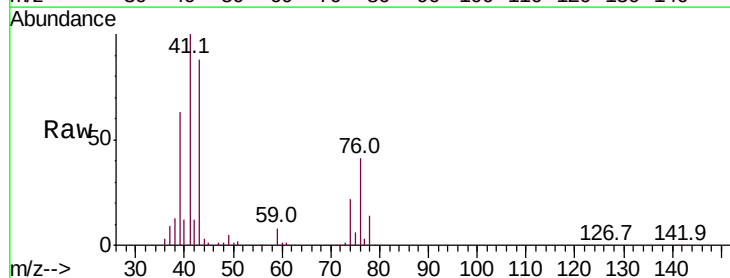
Acq: 2 Aug 2019 16:56

Tgt Ion: 43 Resp: 262215

Ion Ratio Lower Upper

43 100

74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN056941.D (-762) (-)

4.31

100000

80000

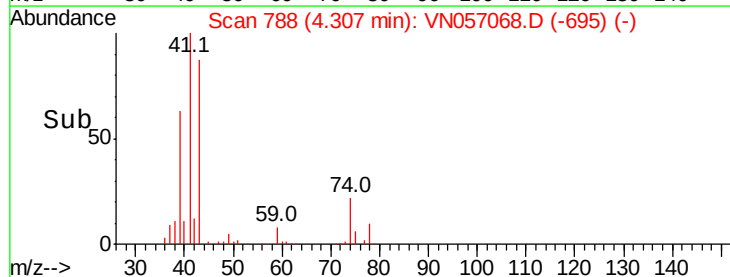
60000

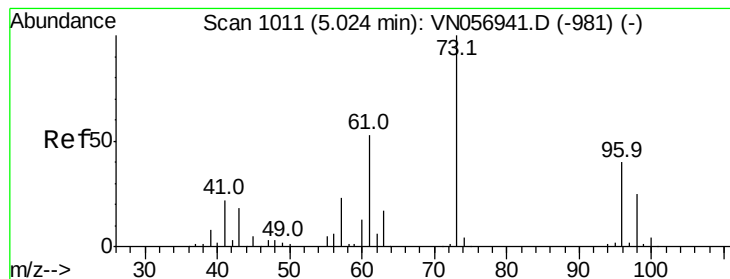
40000

20000

0

Time-->





#19

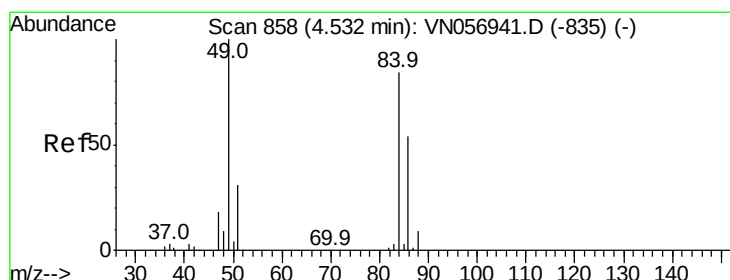
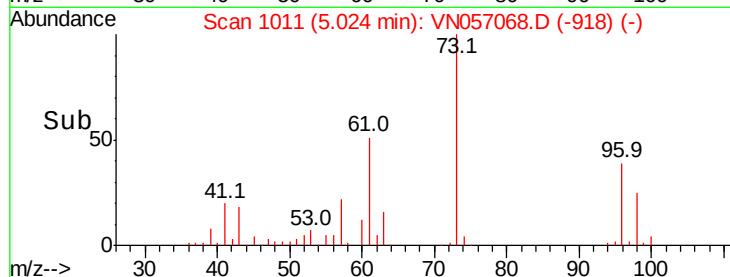
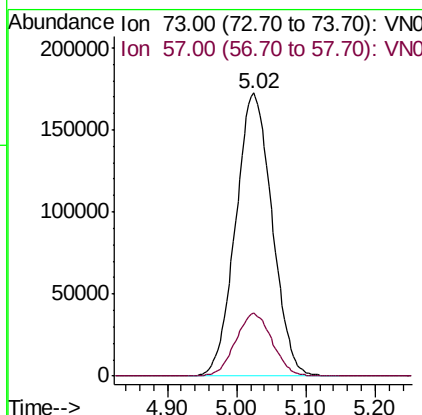
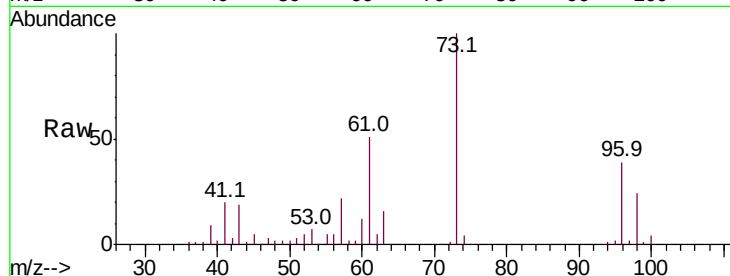
Methyl tert-butyl Ether
 Concen: 51.561 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.3	27.5

Manual Integrations
 APPROVED

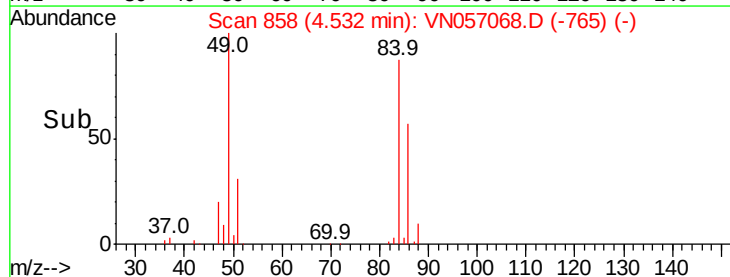
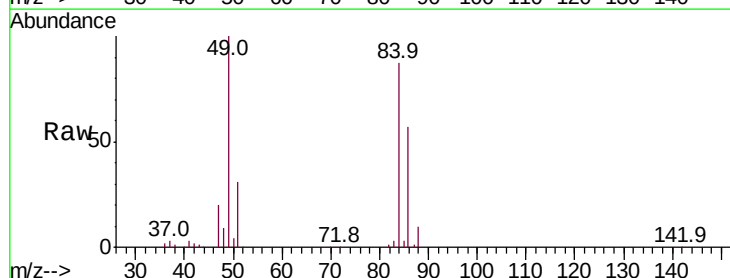
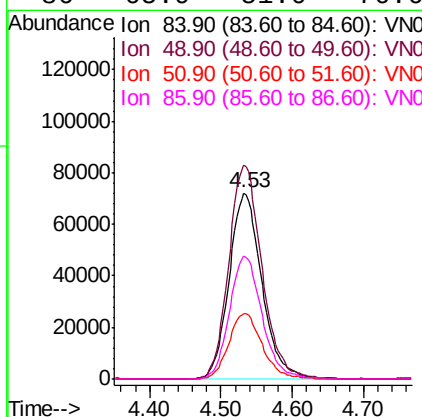
MMDadoda
 8/6/2019 2:16:55 PM

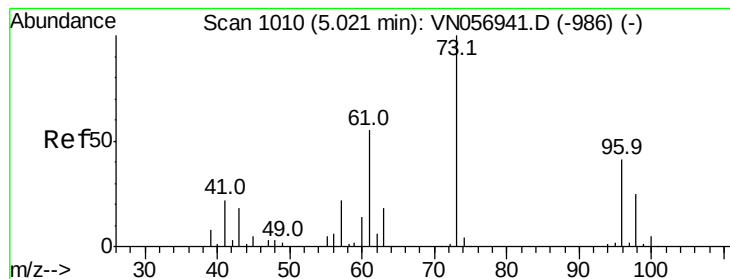


#20

Methylene Chloride
 Concen: 46.200 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	95.2	142.8
51	35.1	29.7	44.5
86	65.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.034 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 213783

Ion Ratio Lower Upper

96 100

61 132.5 107.5 161.3

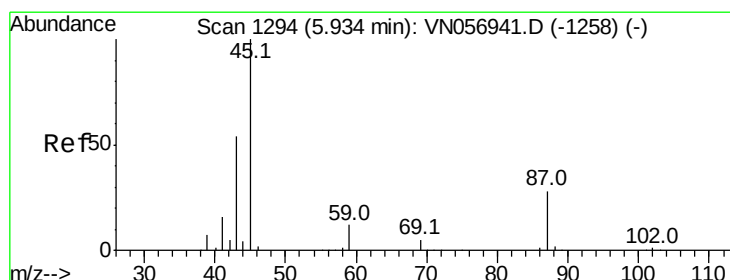
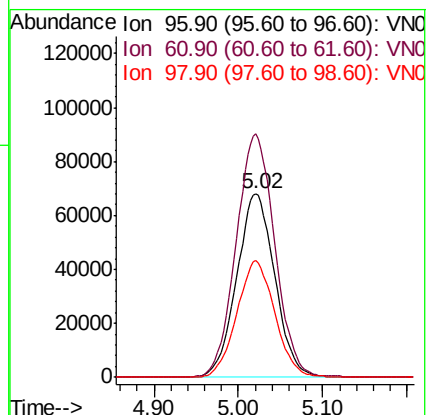
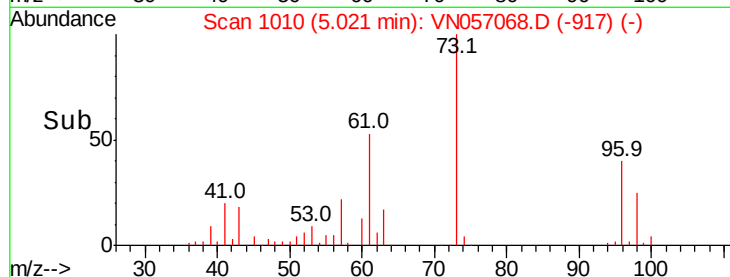
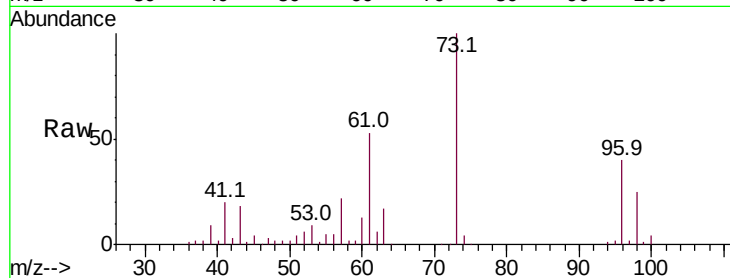
98 63.5 49.9 74.9

Manual Integrations

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8/6/2019 2:16:55 PM



#22

Diisopropyl ether

Concen: 49.088 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion: 45 Resp: 675393

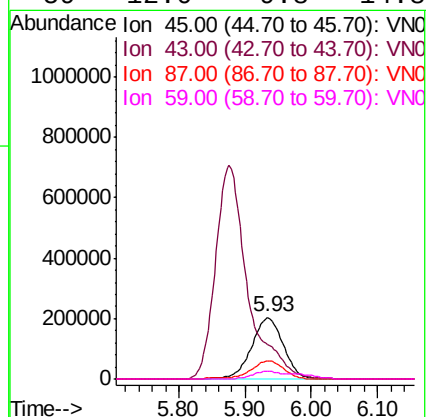
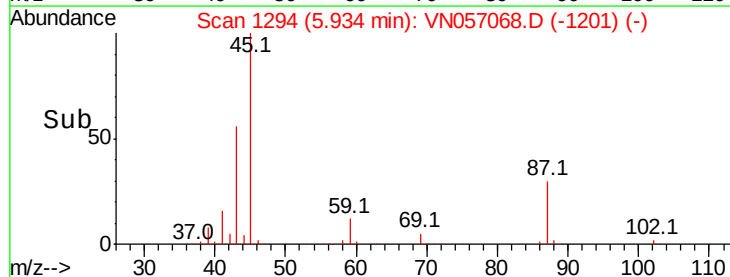
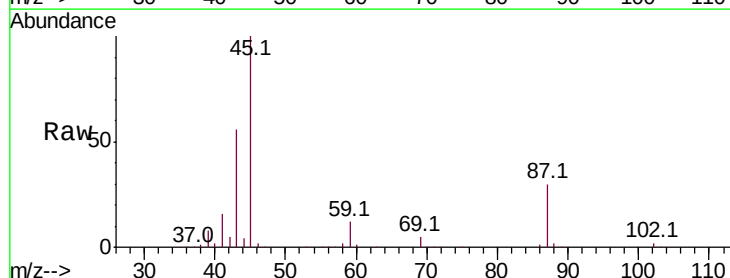
Ion Ratio Lower Upper

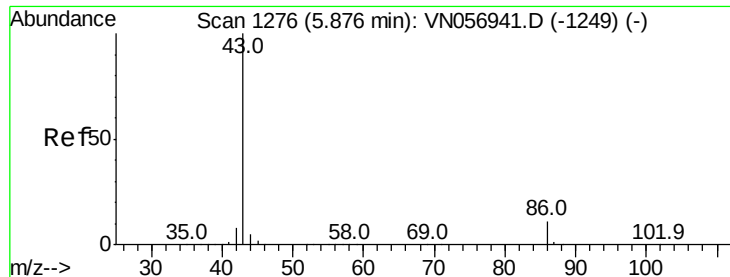
45 100

43 55.2 44.7 67.1

87 29.5 23.0 34.6

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 249.810 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2381434

Ion Ratio Lower Upper

43 100

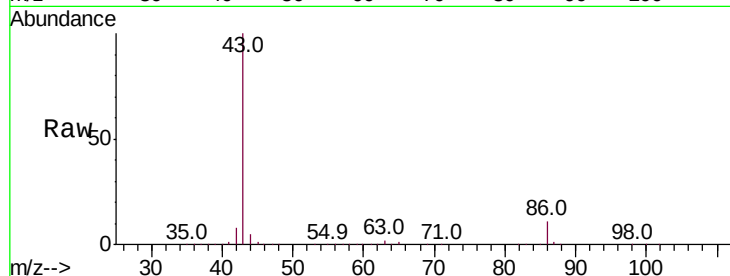
86 11.1 8.5 12.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

800000

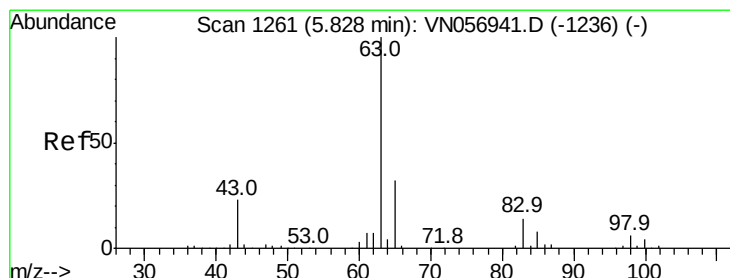
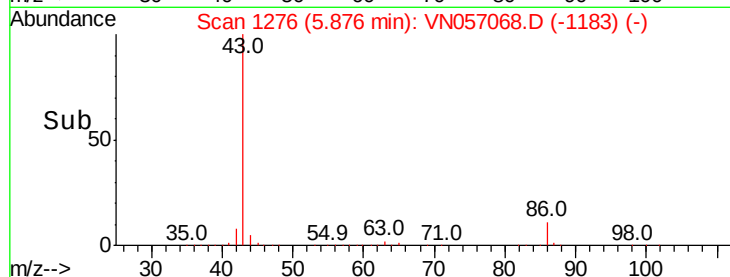
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.146 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

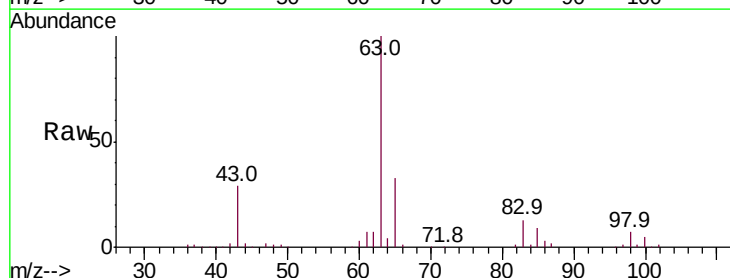
Tgt Ion: 63 Resp: 398955

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.6 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

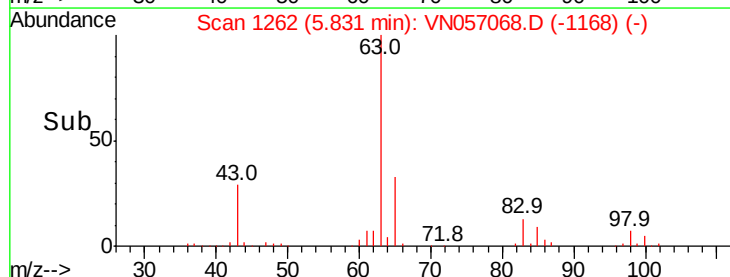
150000

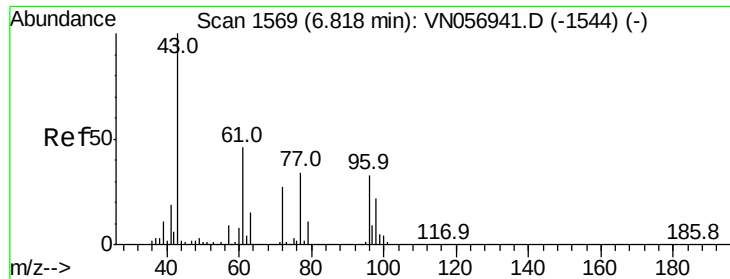
100000

50000

0

Time-->





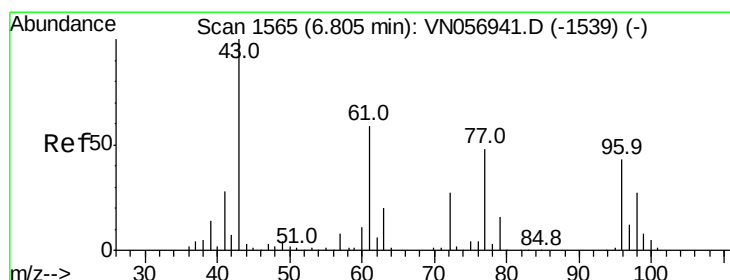
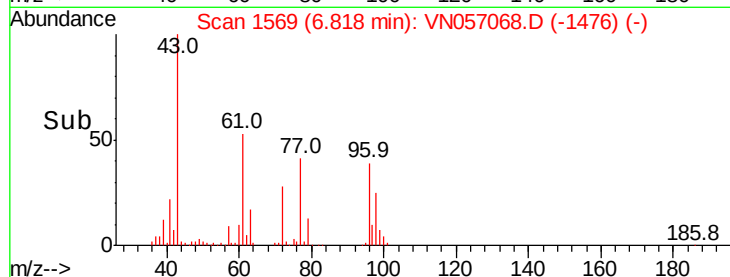
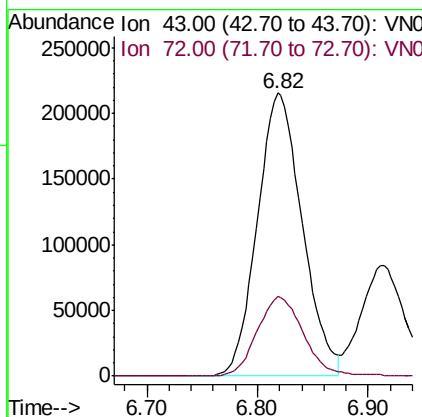
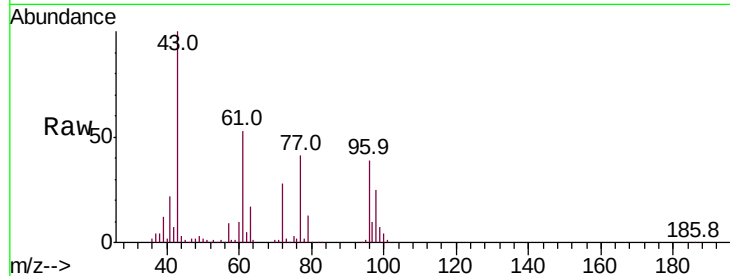
#25
2-Butanone
Concen: 246.845 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 606236
Ion Ratio Lower Upper
43 100
72 28.0 21.5 32.3

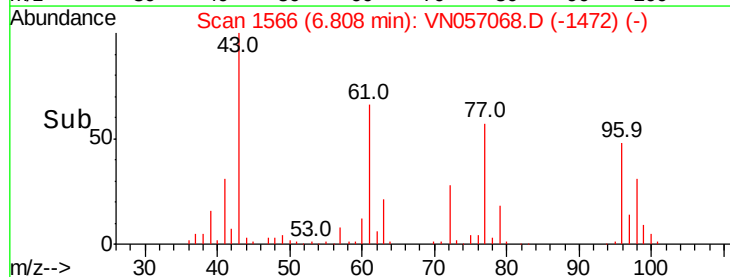
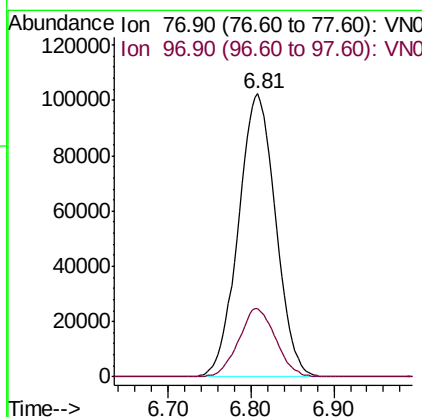
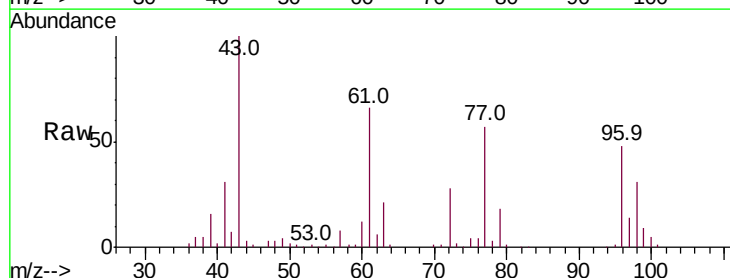
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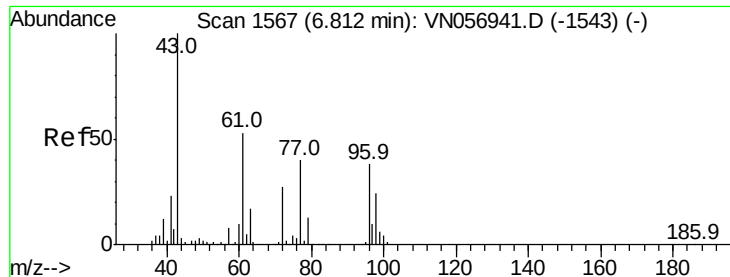
MMDadoda
8/6/2019 2:16:55 PM



#26
2,2-Dichloropropane
Concen: 51.812 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion: 77 Resp: 319812
Ion Ratio Lower Upper
77 100
97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.471 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057068.D

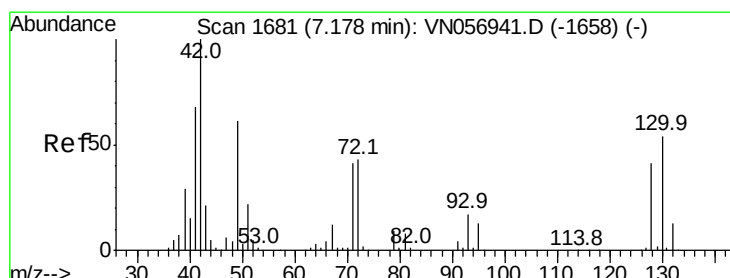
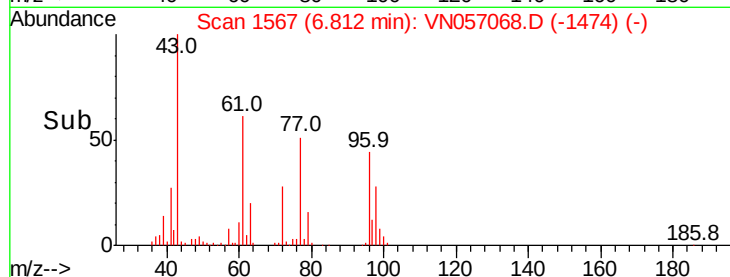
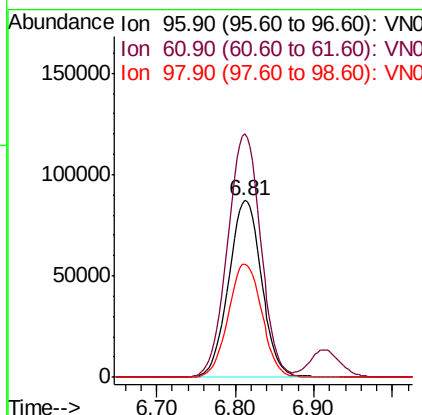
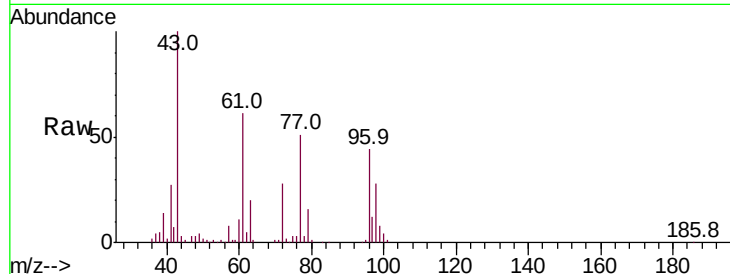
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	255106		
61	137.9	0.0	277.2	
98	65.1	0.0	128.4	

Manual Integrations
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8/6/2019 2:16:55 PM



#28

Bromochloromethane

Concen: 49.753 ug/l

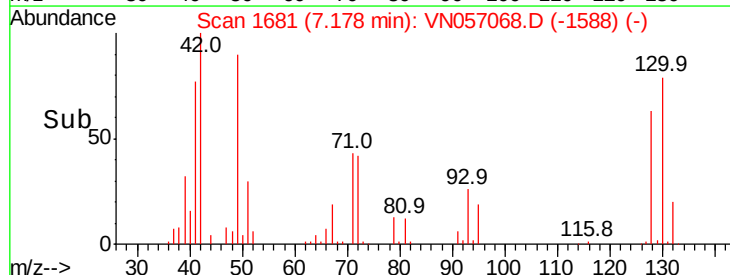
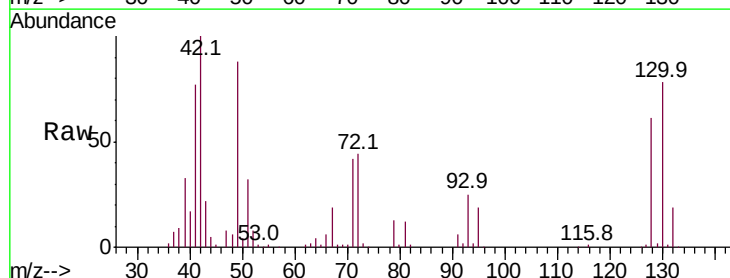
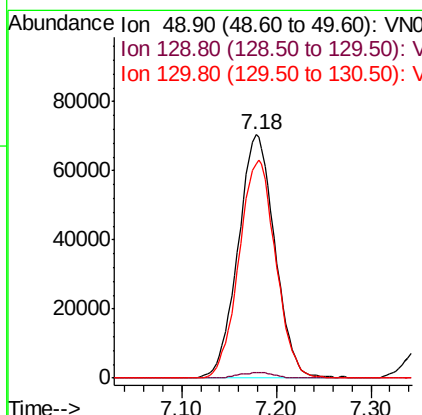
RT: 7.18 min Scan# 1681

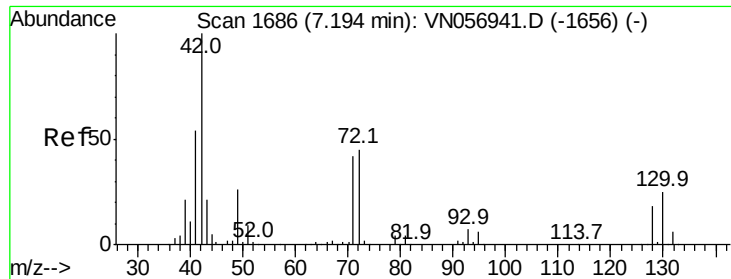
Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	189845		
129	2.3	0.0	4.6	
130	89.4	69.0	103.4	





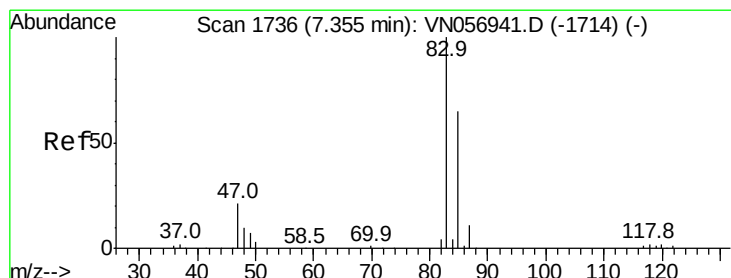
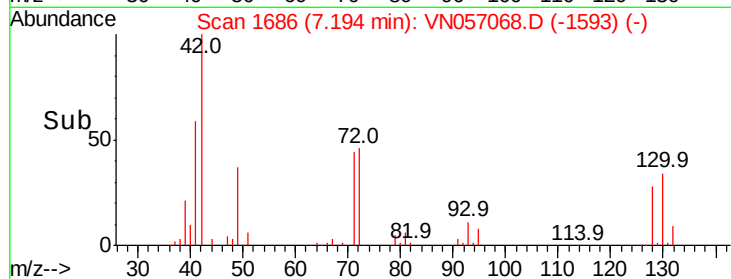
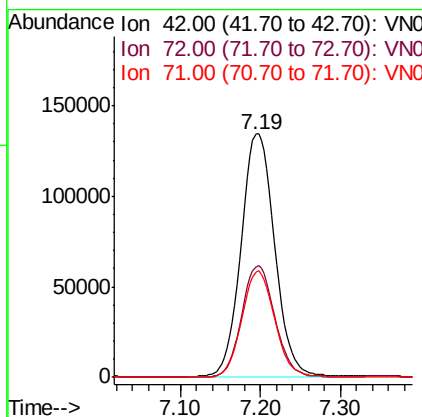
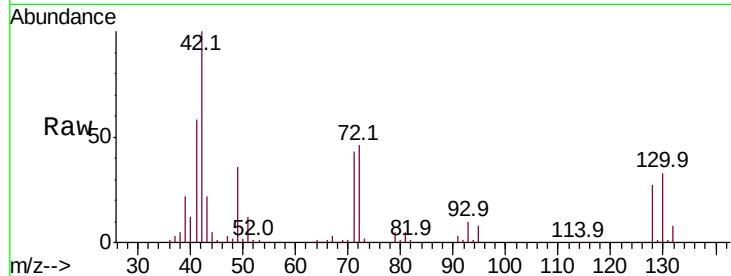
#29
Tetrahydrofuran
Concen: 238.837 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	382705
Ion Ratio	Lower	Upper	
42	100		
72	45.4	35.6	53.4
71	42.5	33.5	50.3

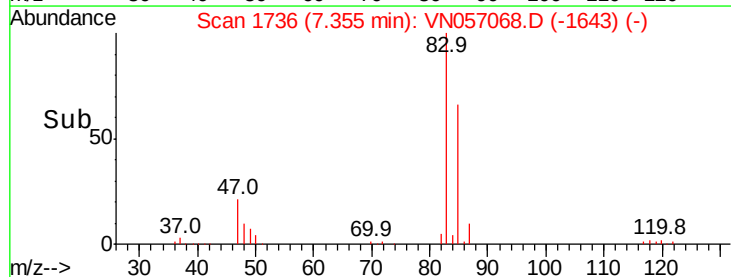
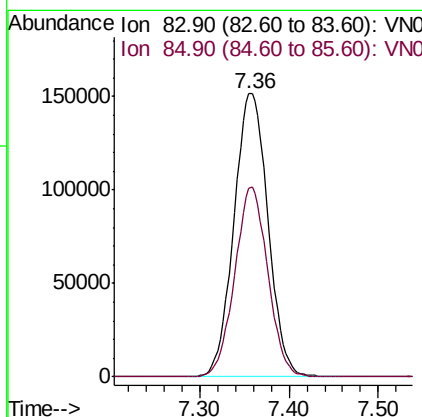
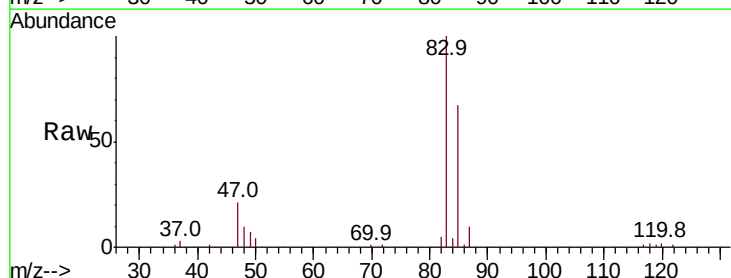
Manual Integrations
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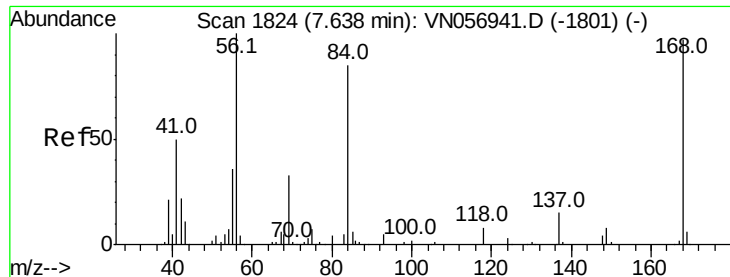
MMDadoda
8/6/2019 2:16:55 PM



#30
Chloroform
Concen: 48.444 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion:	83	Resp:	402084
Ion Ratio	Lower	Upper	
83	100		
85	66.5	52.2	78.2





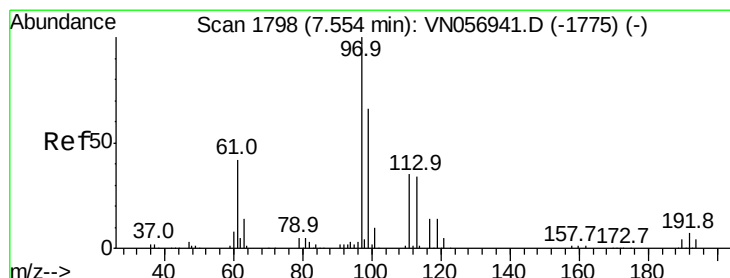
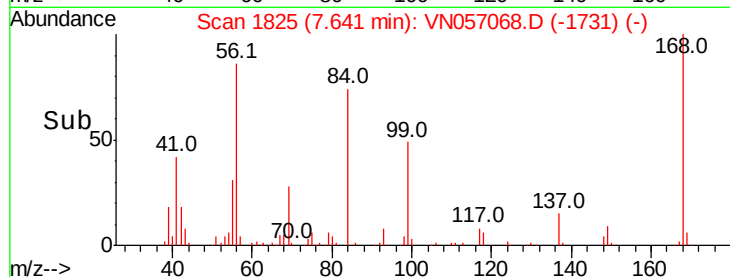
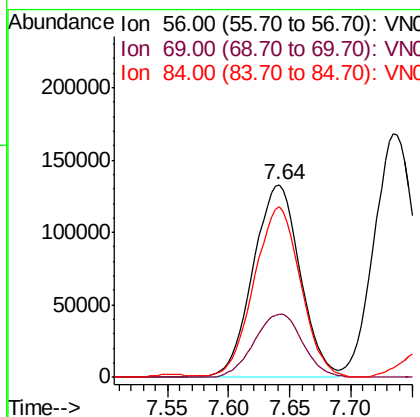
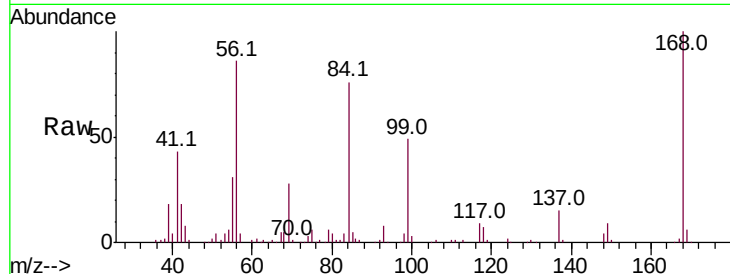
#31
Cyclohexane
Concen: 45.271 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.2	39.2
84	87.3	68.2	102.2

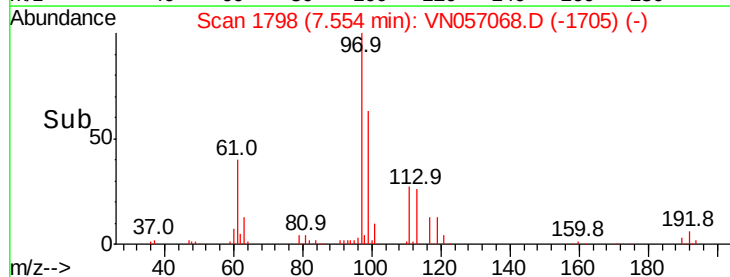
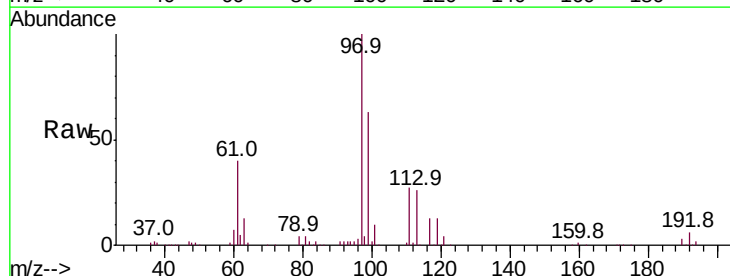
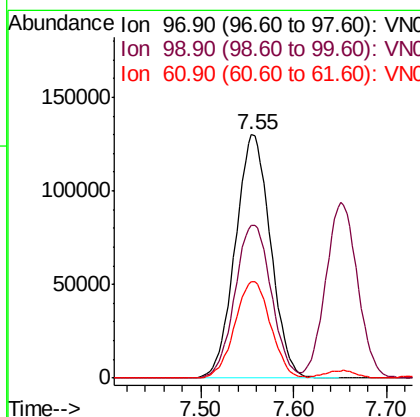
Manual Integrations
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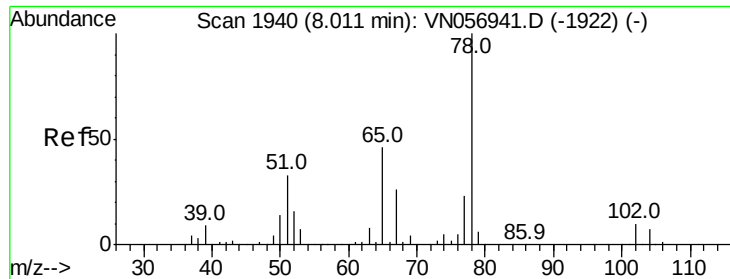
MMDadoda
8/6/2019 2:16:55 PM



#32
1,1,1-Trichloroethane
Concen: 51.758 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	40.3	33.9	50.9





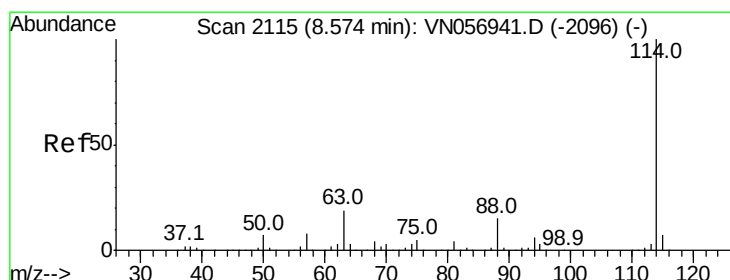
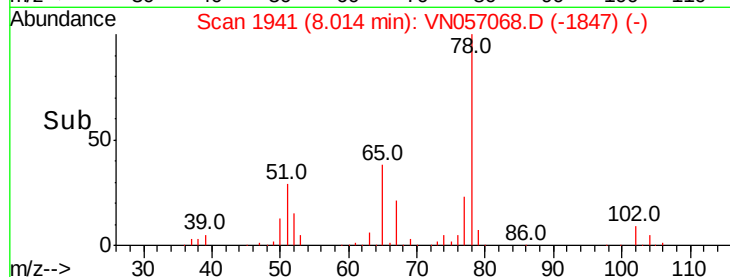
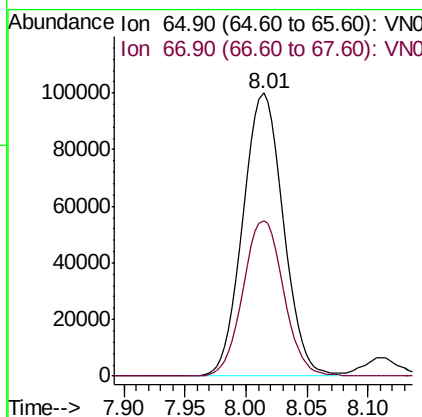
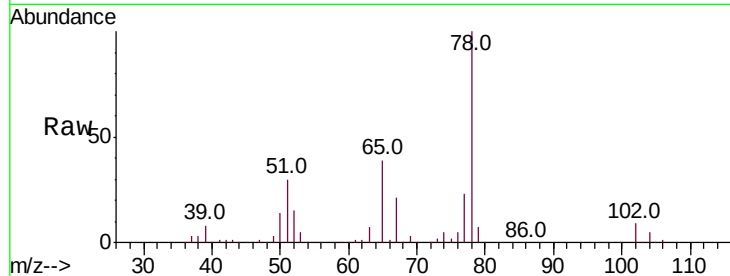
#33
 1,2-Dichloroethane-d4
 Concen: 48.110 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230003		
67	55.1	0.0	112.0	

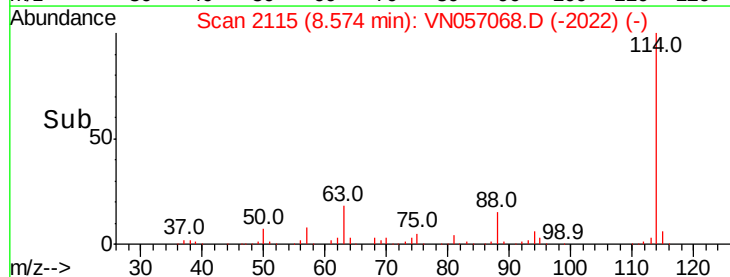
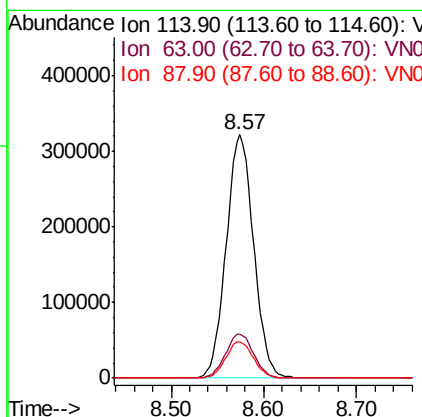
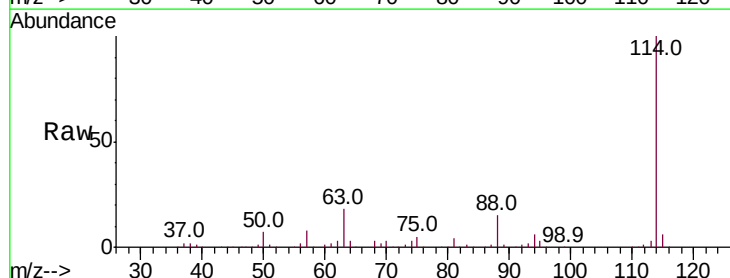
Manual Integrations
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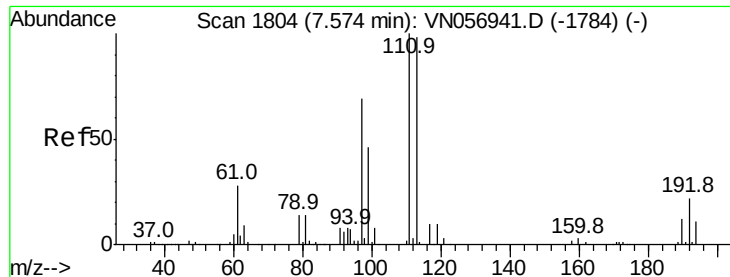
MMDadoda
 8/6/2019 2:16:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	662455		
63	18.2	0.0	38.0	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.144 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

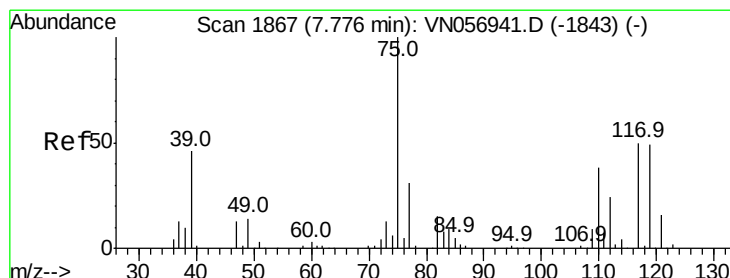
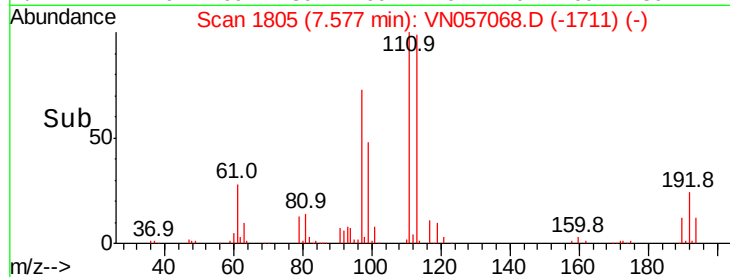
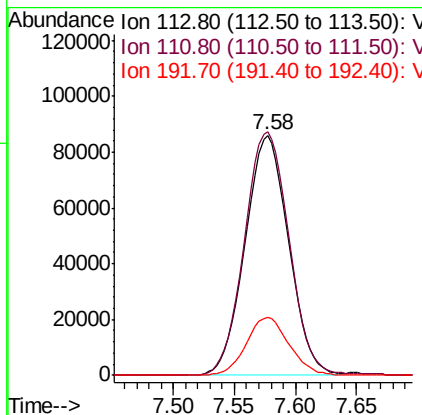
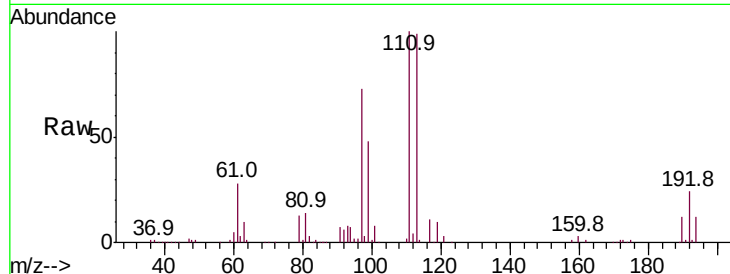
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	212650
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.0	123.0
192	23.7	18.4	27.6

Manual Integrations
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MMDadoda
8/6/2019 2:16:55 PM



#36

1,1-Dichloropropene

Concen: 50.088 ug/l

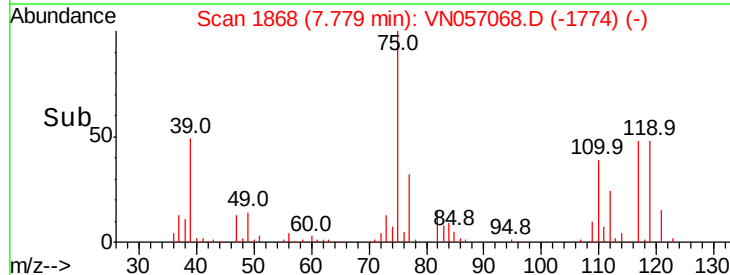
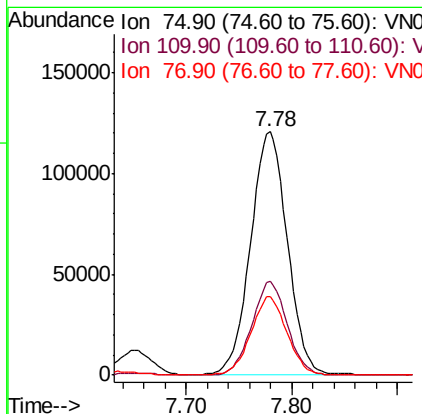
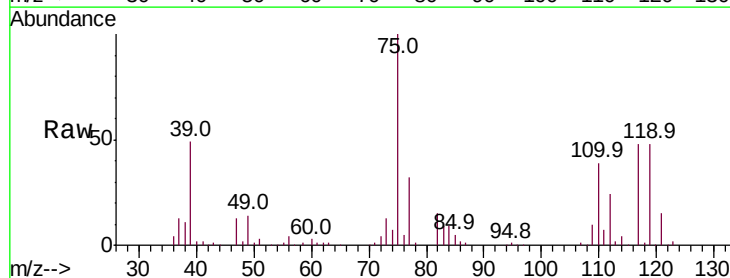
RT: 7.78 min Scan# 1868

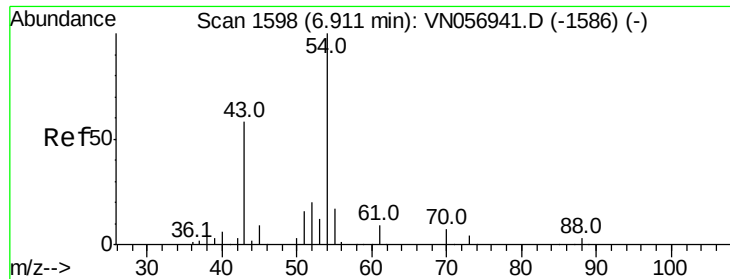
Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	75	Resp:	291972
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.6	55.8
77	31.8	25.2	37.8





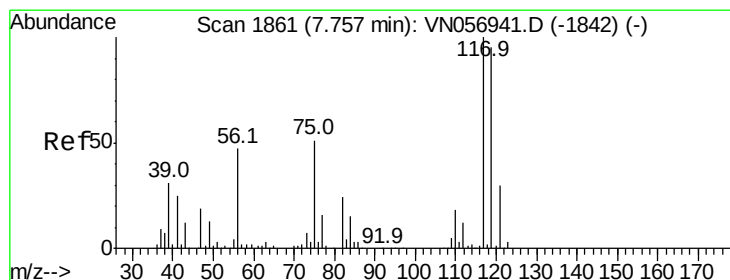
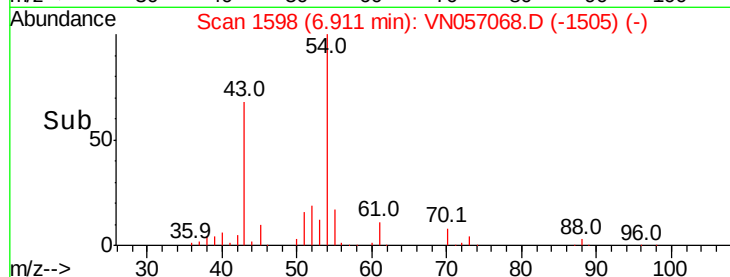
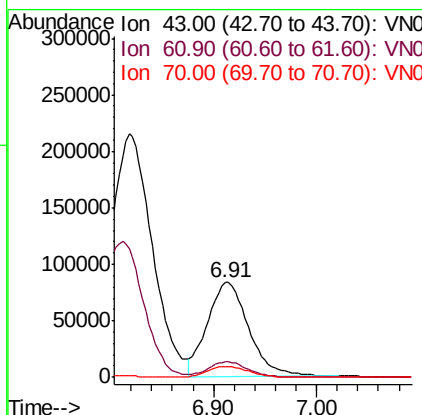
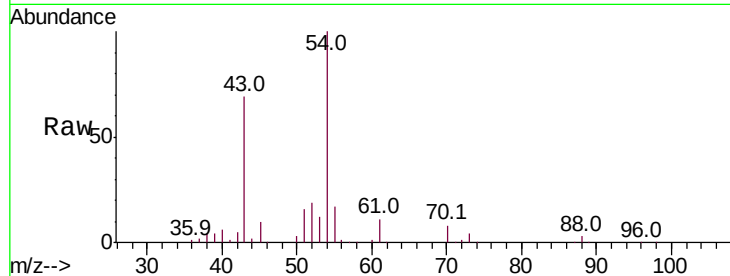
#37
Ethyl Acetate
Concen: 49.869 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Ratio	100	15.5	11.8
Lower		11.8	8.5
Upper		17.6	12.7

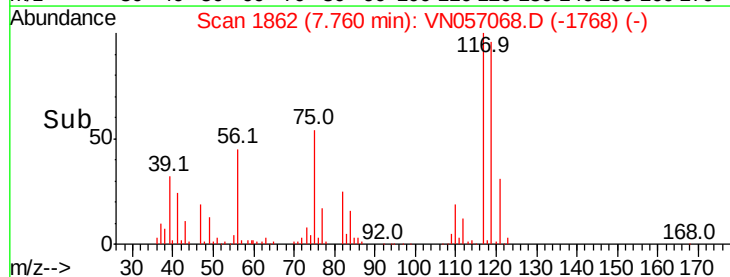
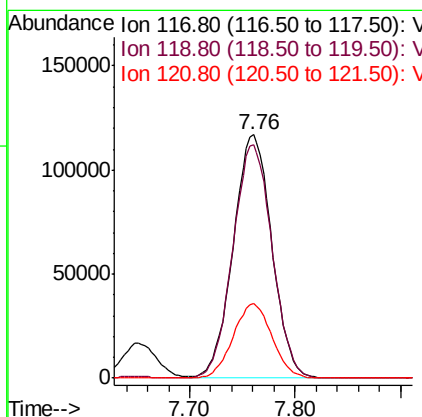
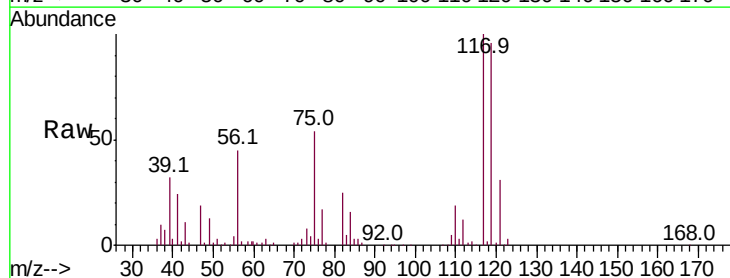
Manual Integrations
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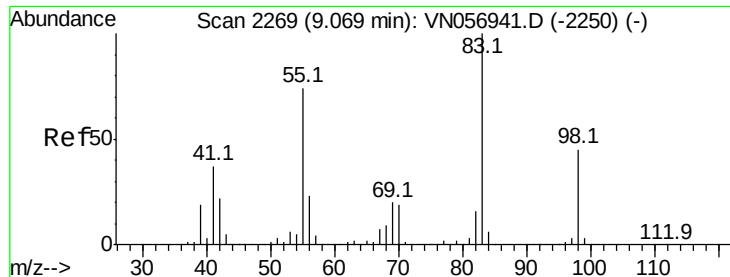
MMDadoda
8/6/2019 2:16:55 PM



#38
Carbon Tetrachloride
Concen: 53.962 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	117	119	121
Ratio	100	95.9	30.7
Lower		75.3	24.2
Upper		112.9	36.4





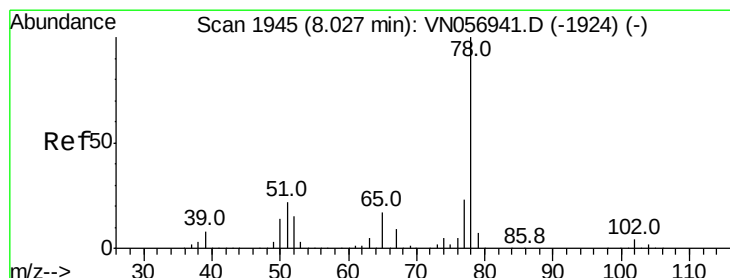
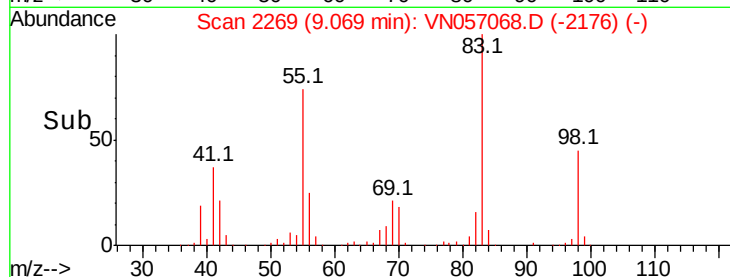
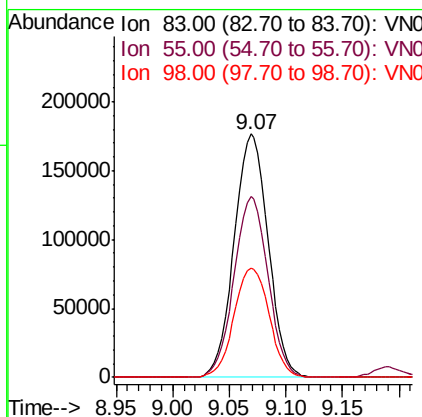
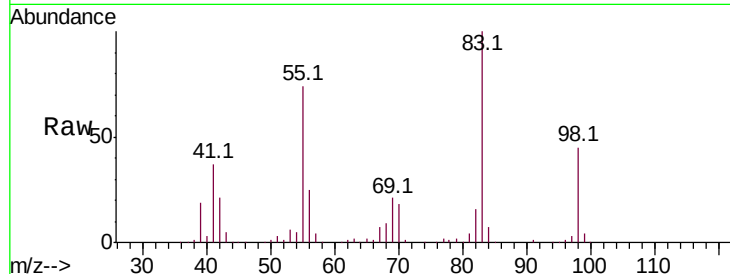
#39
Methylvlcyclohexane
Concen: 49.734 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.0	88.6
98	44.9	36.2	54.4

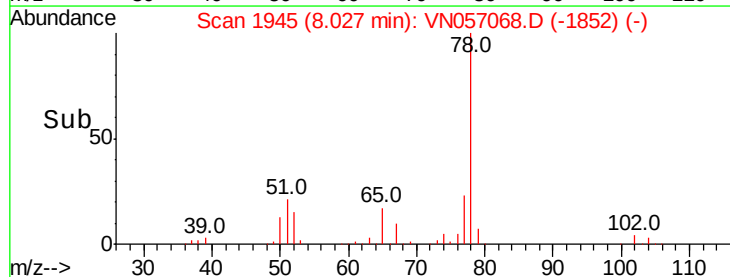
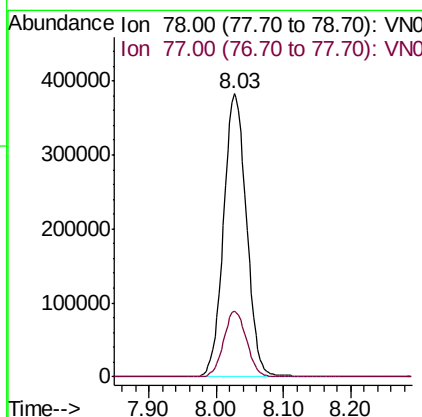
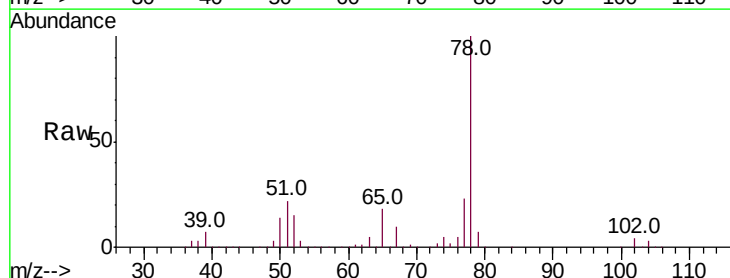
Manual Integrations
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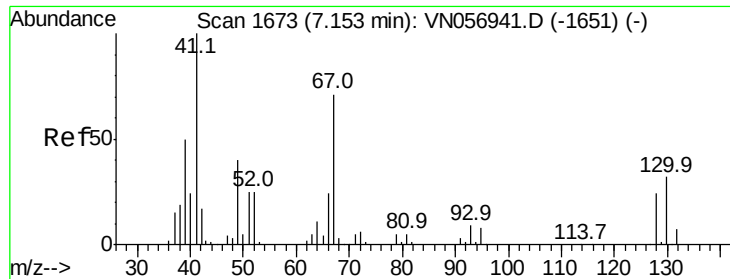
MMDadoda
8/6/2019 2:16:55 PM



#40
Benzene
Concen: 50.586 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





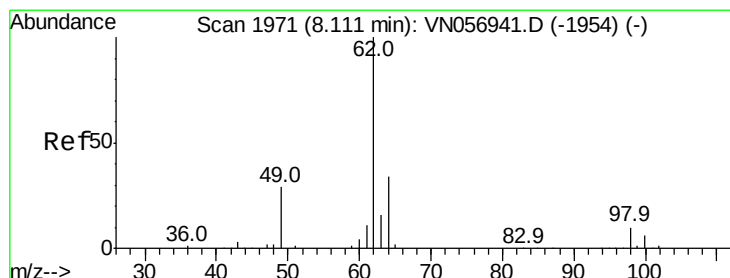
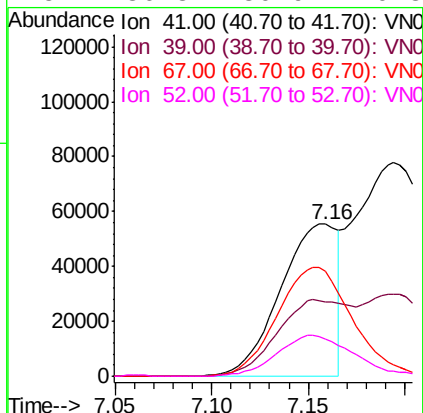
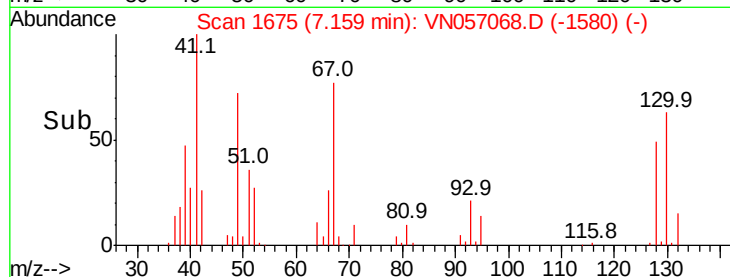
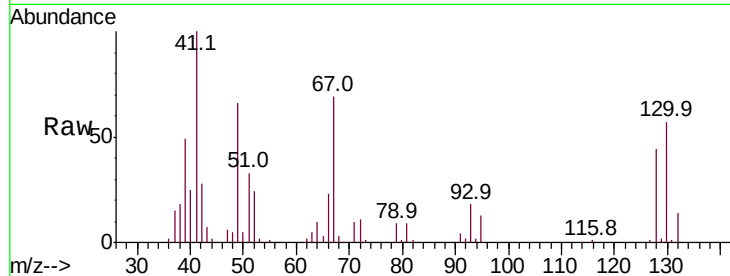
#41
Methacrylonitrile
Concen: 52.876 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	48.9	73.3
67	94.4	83.4	125.0
52	36.3	30.9	46.3

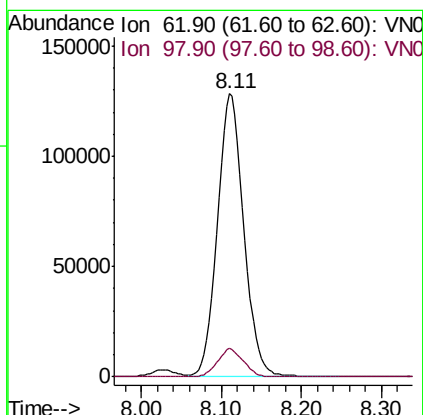
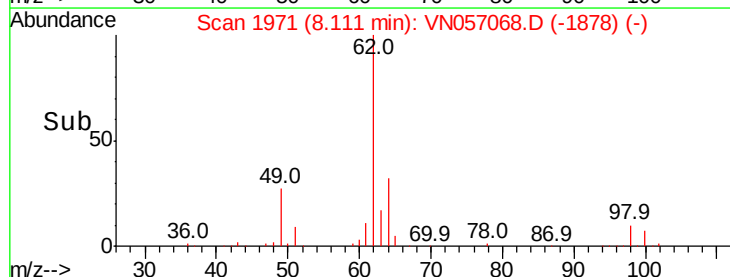
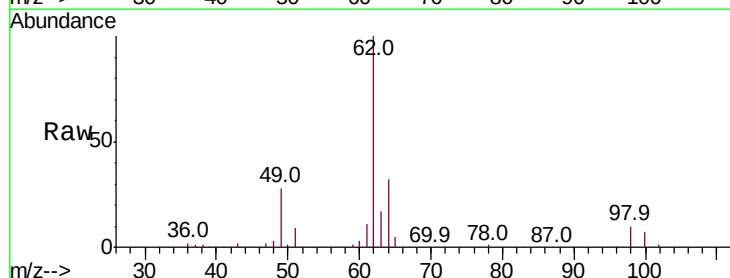
Manual Integrations
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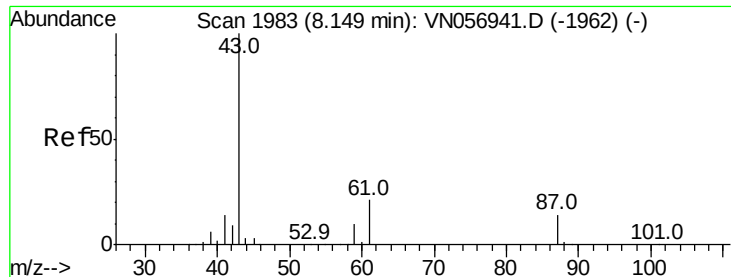
MMDadoda
8/6/2019 2:16:55 PM



#42
1,2-Dichloroethane
Concen: 51.661 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.535 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

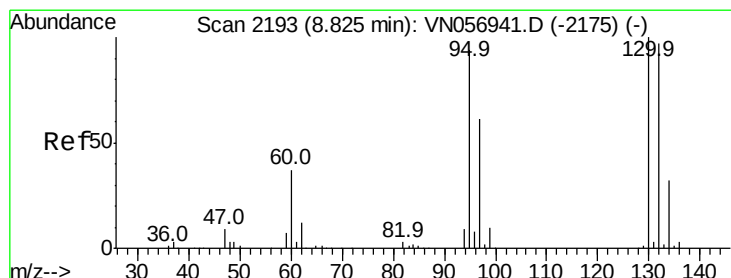
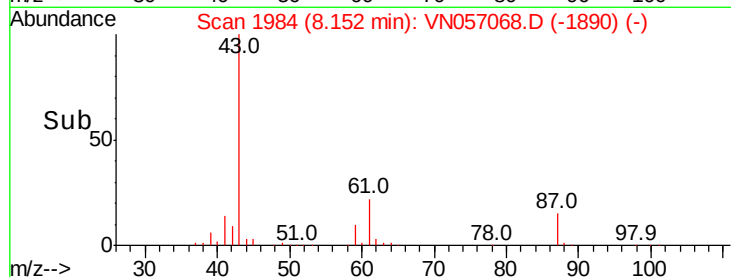
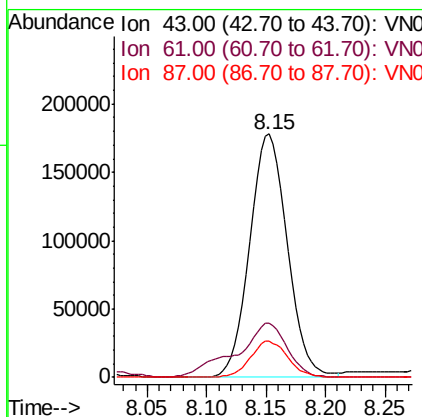
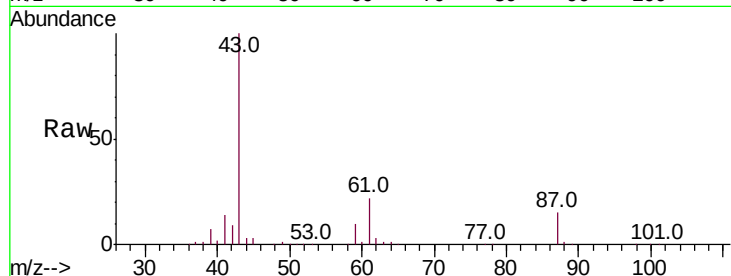
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	389948
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.0	34.6
87	14.8	11.7	17.5

Manual Integrations
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#44

Trichloroethene

Concen: 52.001 ug/l

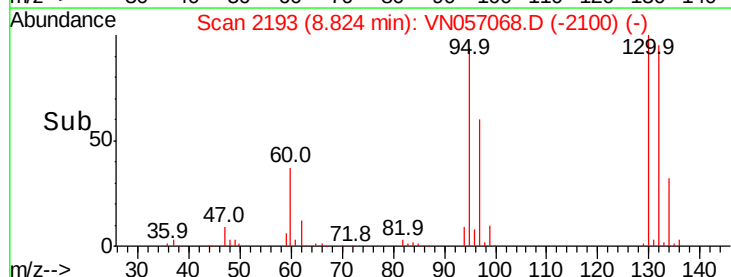
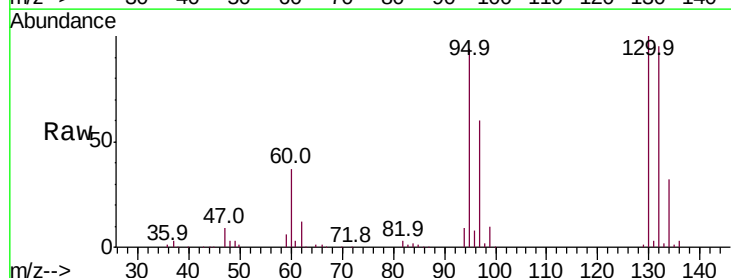
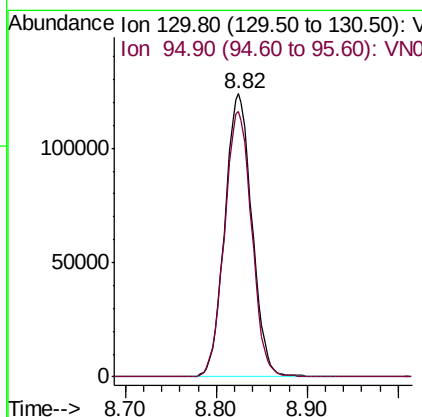
RT: 8.82 min Scan# 2193

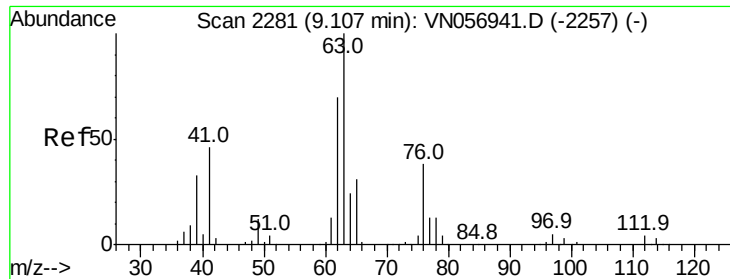
Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	130	Resp:	257213
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	189.0





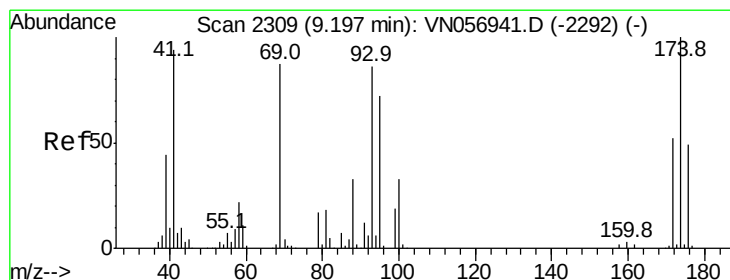
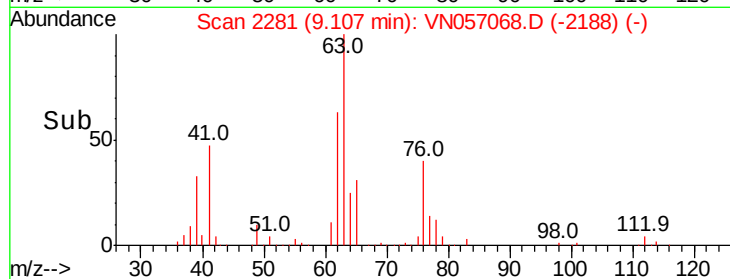
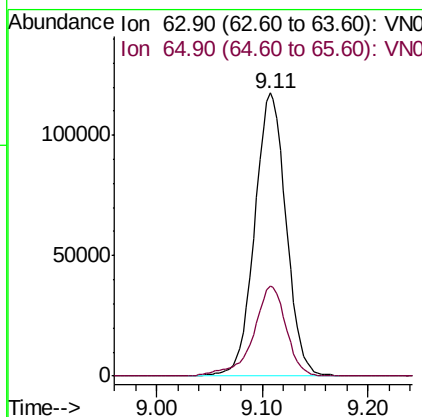
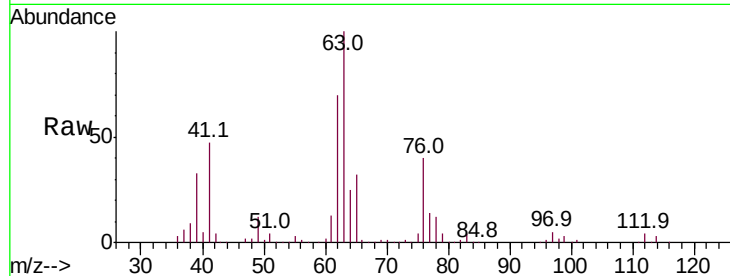
#45
 1,2-Dichloropropane
 Concen: 50.815 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.8	37.2

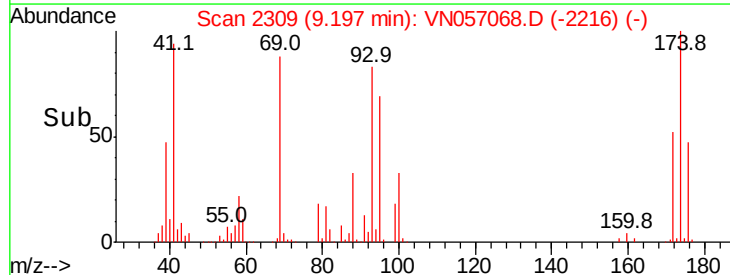
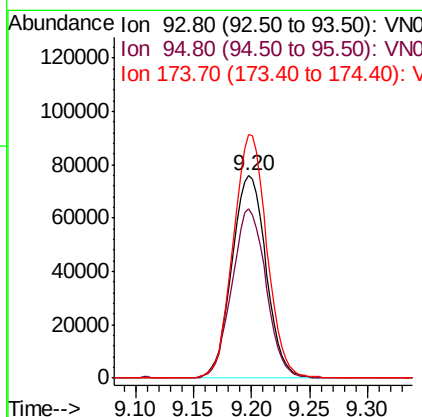
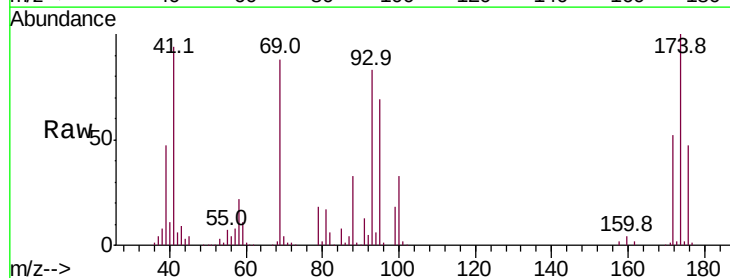
Manual Integrations
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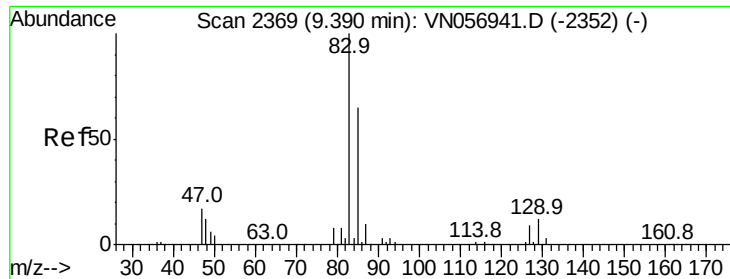
MMDadoda
 8/6/2019 2:16:55 PM



#46
 Dibromomethane
 Concen: 53.767 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.0	100.6
174	118.0	92.7	139.1





#47

Bromodichloromethane

Concen: 53.918 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

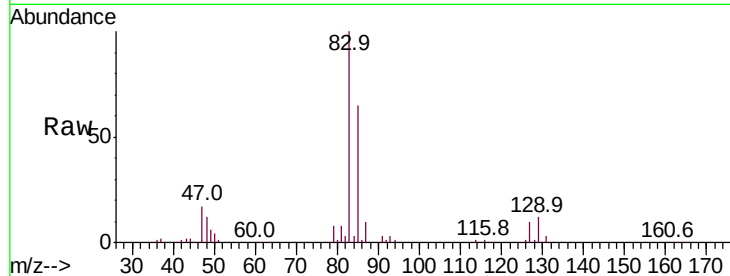
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	307016
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	9.6	7.3	10.9

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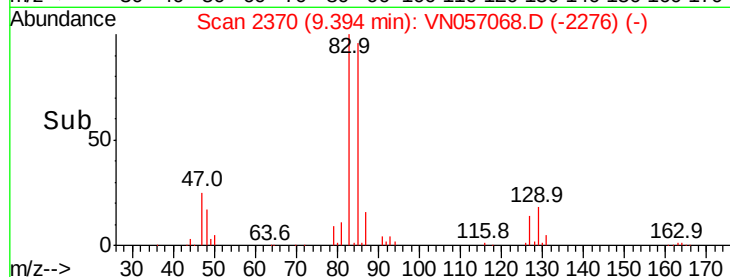


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

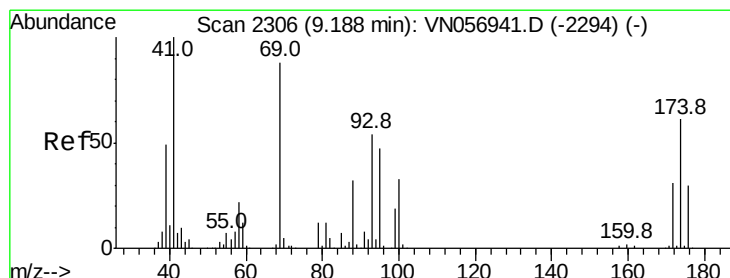
Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 51.701 ug/l

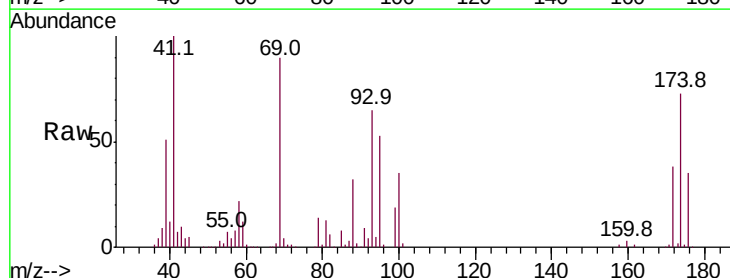
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	41	Resp:	192610
Ion	Ratio	Lower	Upper
41	100		
69	94.2	73.4	110.0
39	51.8	39.9	59.9

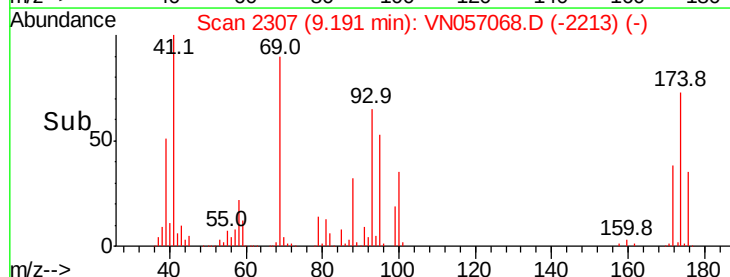


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

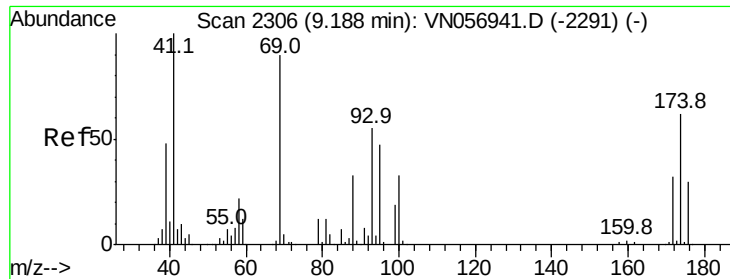
Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 997.601 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 76590

Ion Ratio Lower Upper

88 100

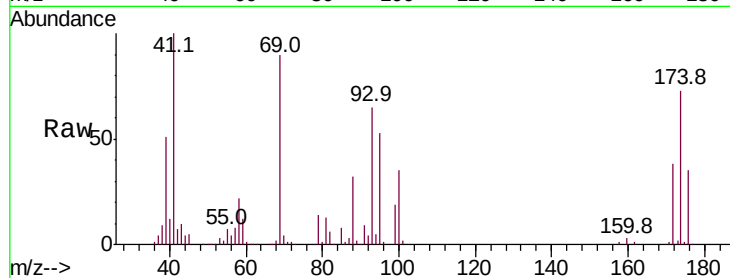
43 27.1 22.2 33.2

58 65.7 54.1 81.1

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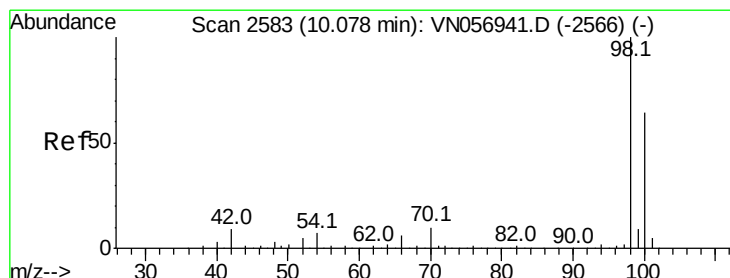
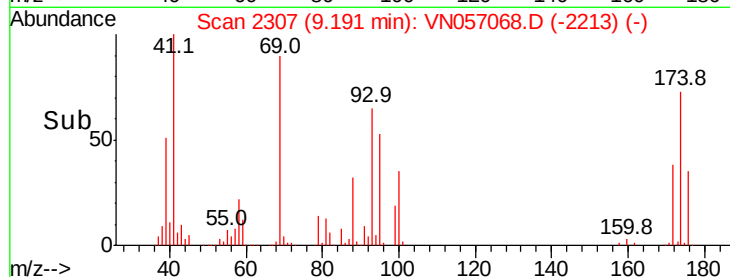
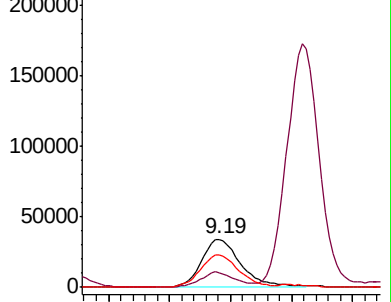
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Abundance Ion 88.00 (87.70 to 88.70): VN056941.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN056941.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2291) (-)



#50

Toluene-d8

Concen: 49.107 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057068.D

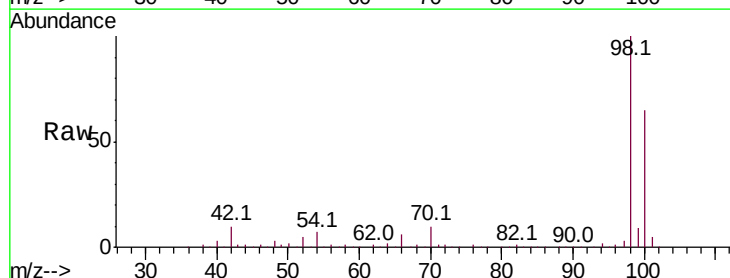
Acq: 2 Aug 2019 16:56

Tgt Ion: 98 Resp: 794169

Ion Ratio Lower Upper

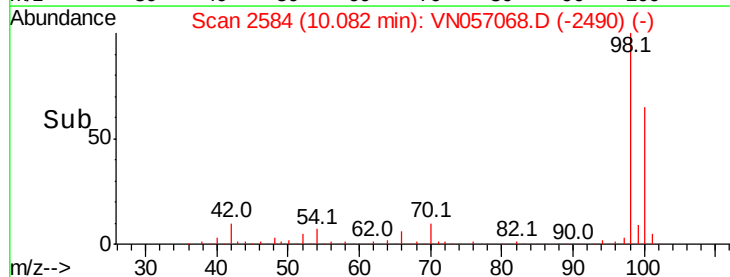
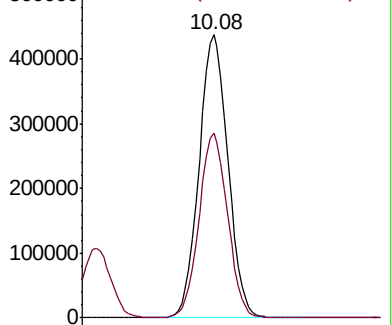
98 100

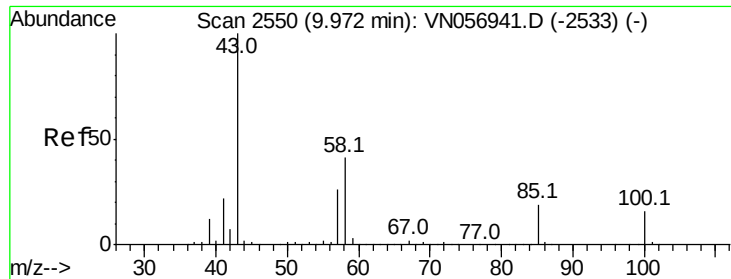
100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)





#51

4-Methyl-2-Pentanone

Concen: 255.441 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1171152

Ion Ratio Lower Upper

43 100

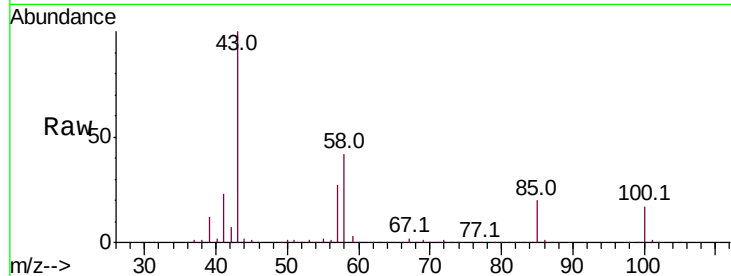
58 41.9 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

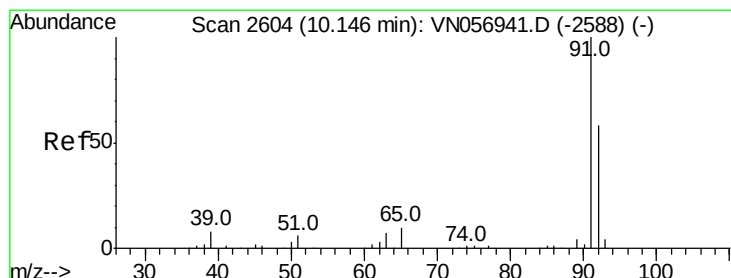
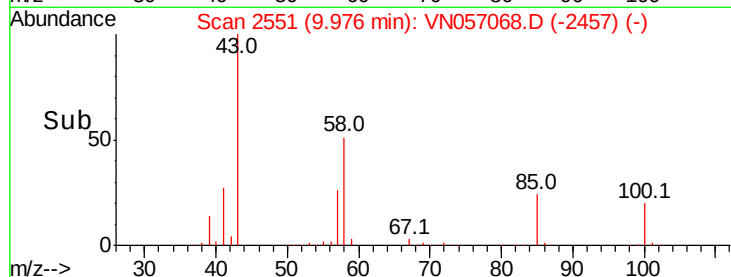
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.796 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057068.D

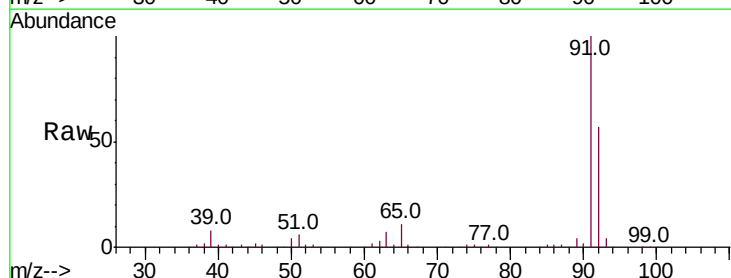
Acq: 2 Aug 2019 16:56

Tgt Ion: 92 Resp: 569507

Ion Ratio Lower Upper

92 100

91 174.1 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

600000

500000

400000

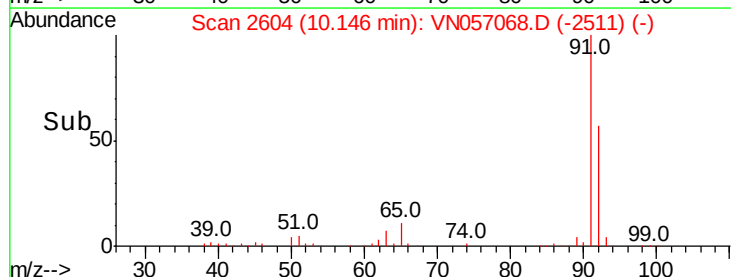
300000

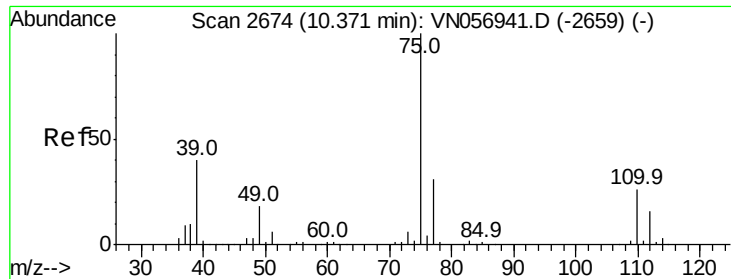
200000

100000

0

Time-->





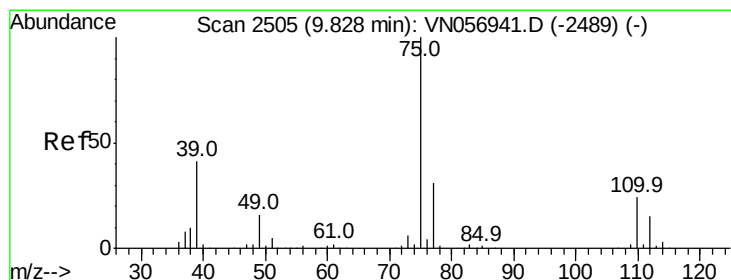
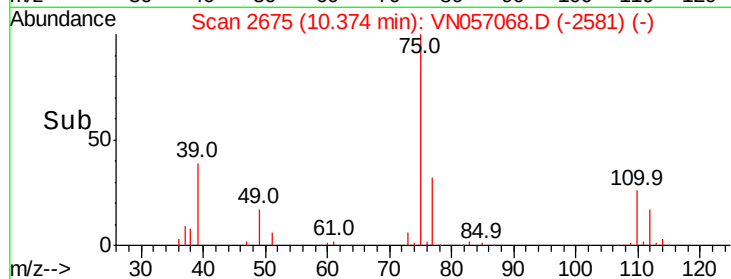
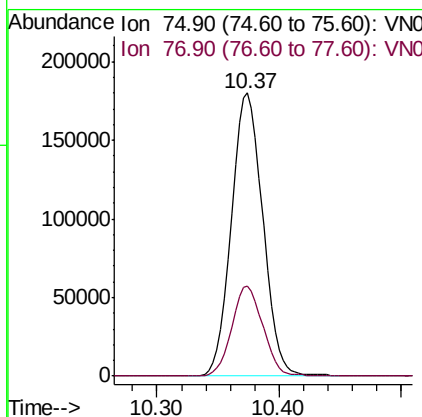
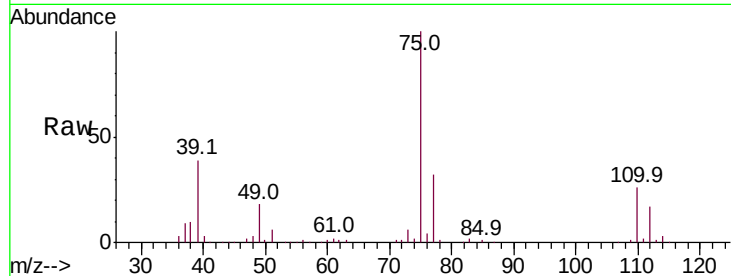
#53
 t-1,3-Dichloropropene
 Concen: 54.657 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 322961
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7

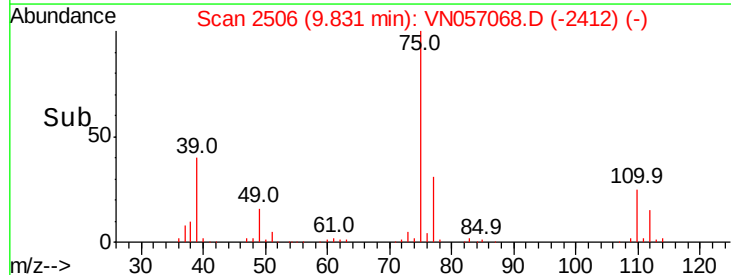
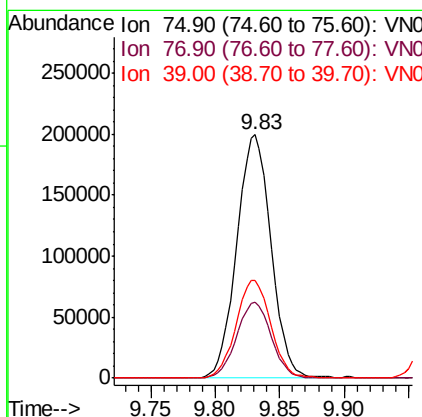
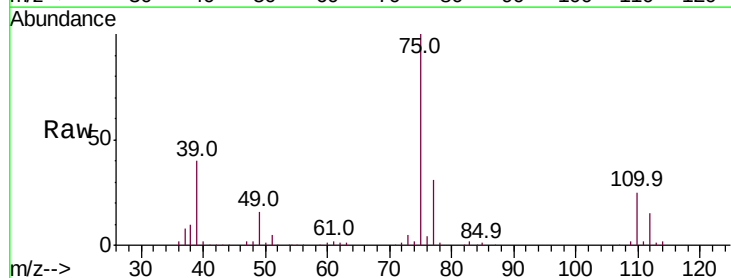
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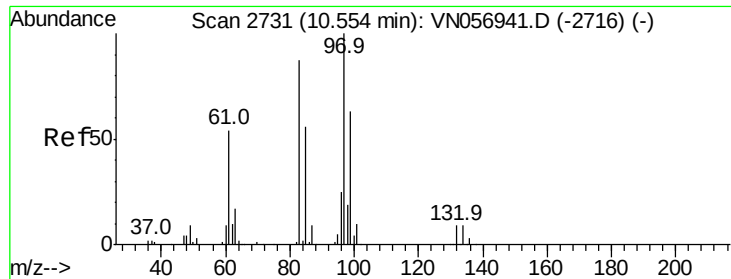
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#54
 cis-1,3-Dichloropropene
 Concen: 53.824 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion: 75 Resp: 369783
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 40.3 32.6 49.0





#55

1,1,2-Trichloroethane

Concen: 52.448 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 226885

Ion Ratio Lower Upper

97 100

83 86.3 69.4 104.0

85 54.0 44.7 67.1

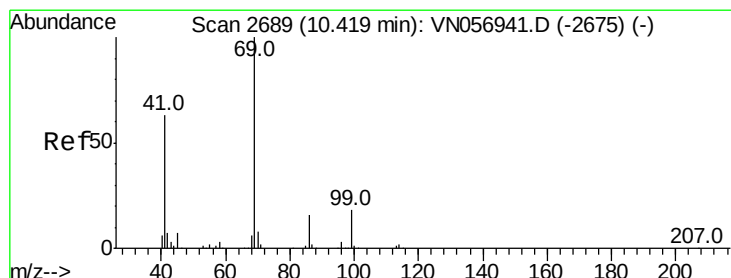
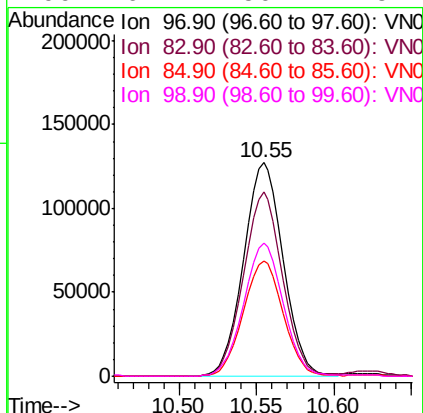
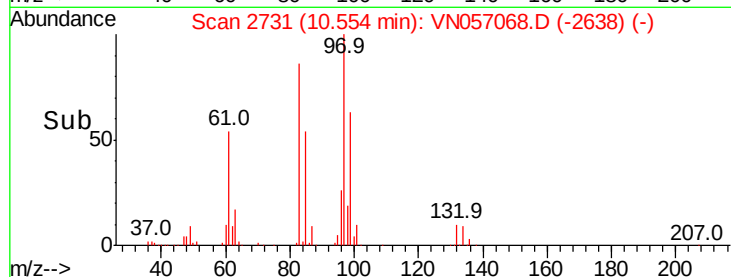
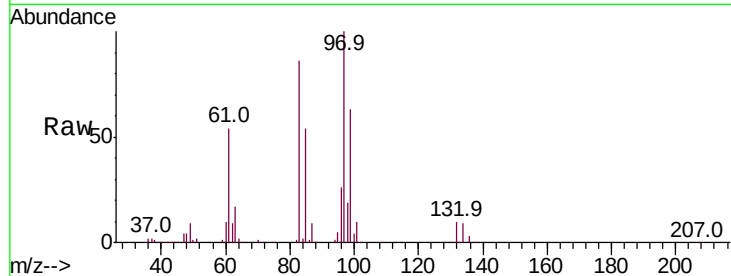
99 62.4 50.1 75.1

Manual Integrations

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#56

Ethyl methacrylate

Concen: 49.065 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

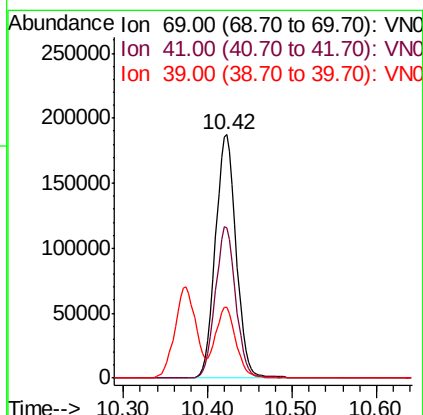
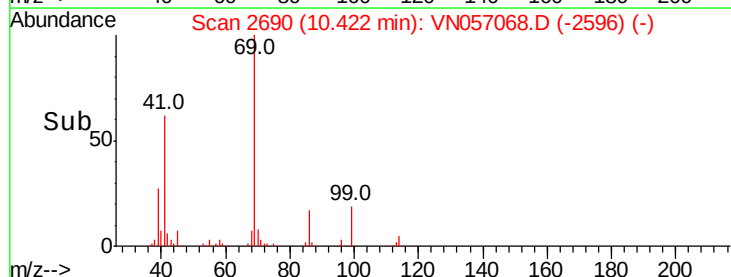
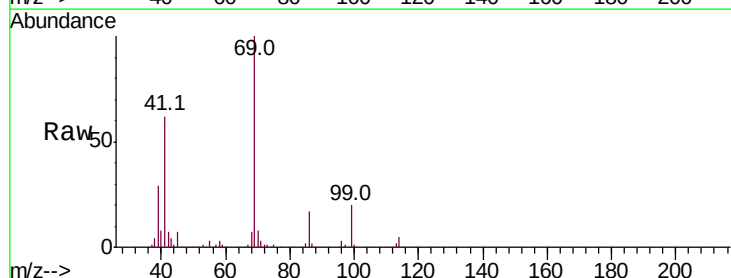
Tgt Ion: 69 Resp: 320312

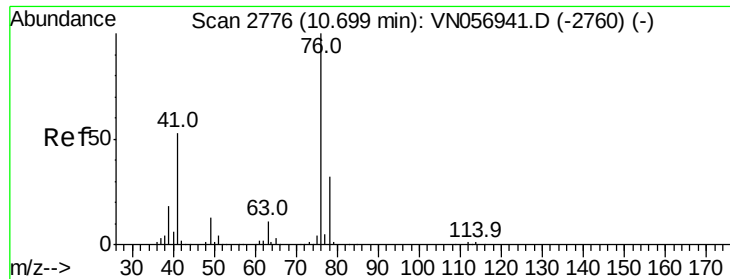
Ion Ratio Lower Upper

69 100

41 60.8 49.2 73.8

39 28.5 23.1 34.7





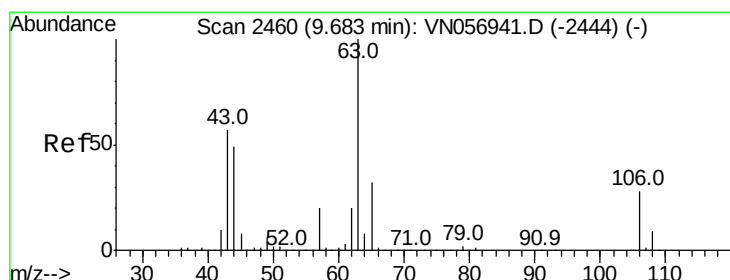
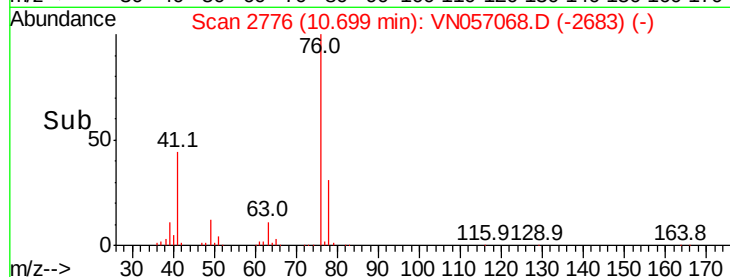
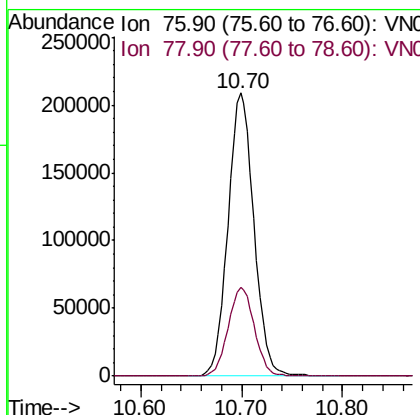
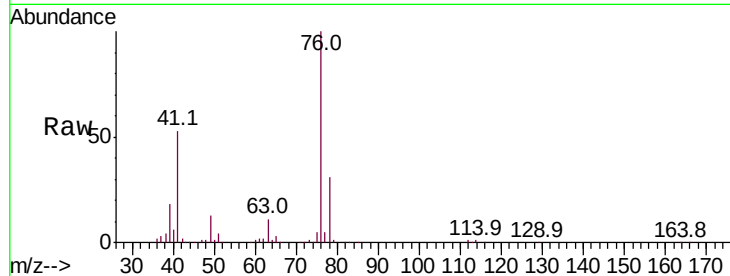
#57
 1,3-Dichloropropane
 Concen: 52.137 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

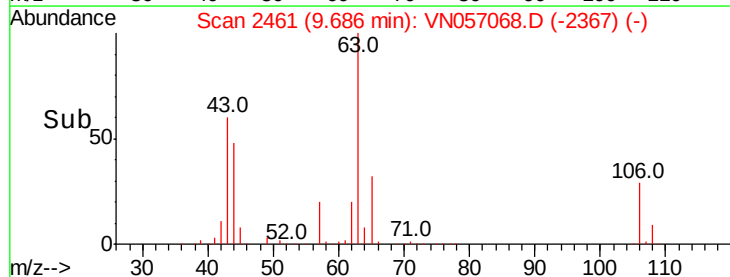
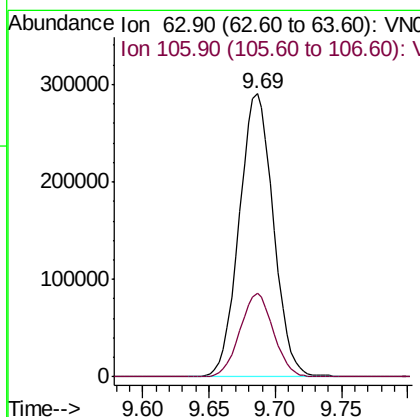
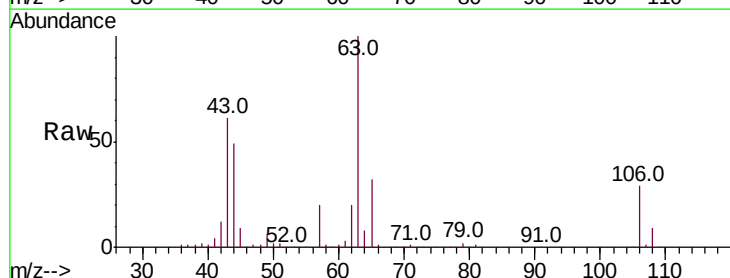
Manual Integrations
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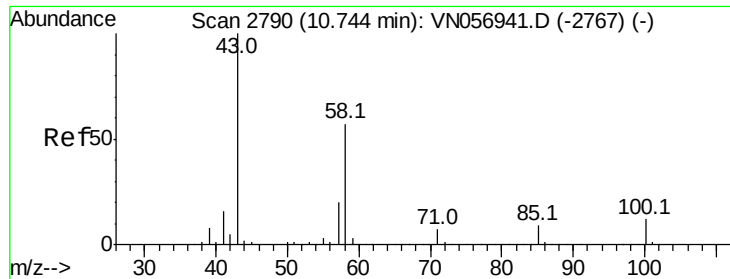
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#58
 2-Chloroethyl Vinyl ether
 Concen: 200.733 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.0	33.0





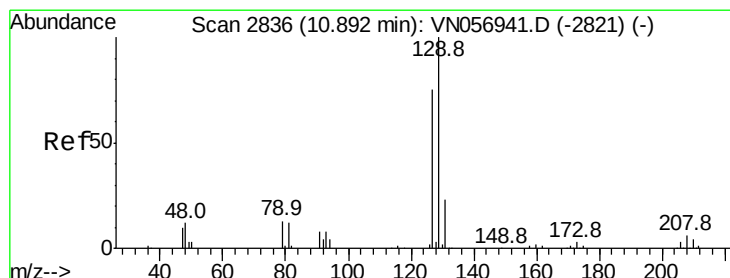
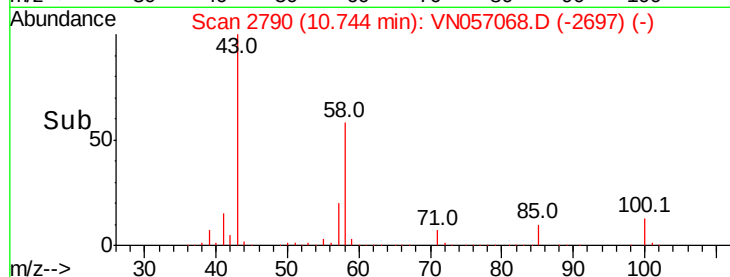
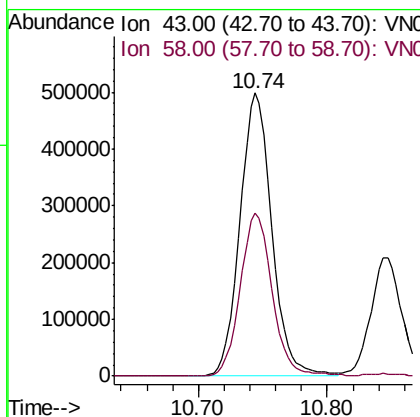
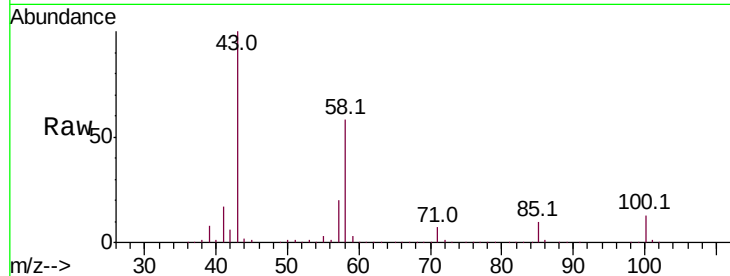
#59
2-Hexanone
Concen: 242.601 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 856301
Ion Ratio Lower Upper
43 100
58 57.8 28.5 85.5

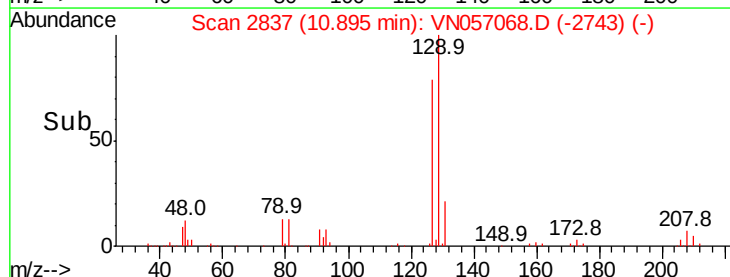
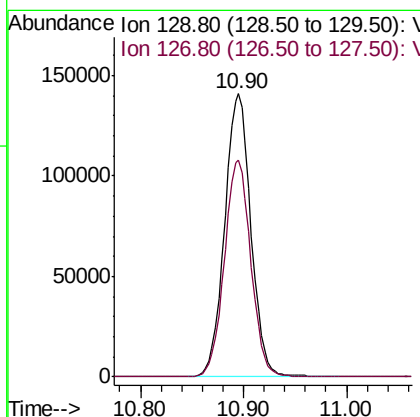
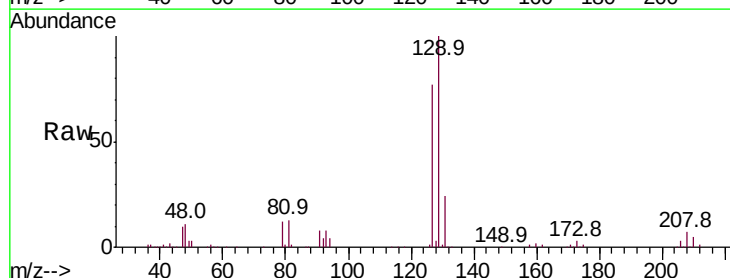
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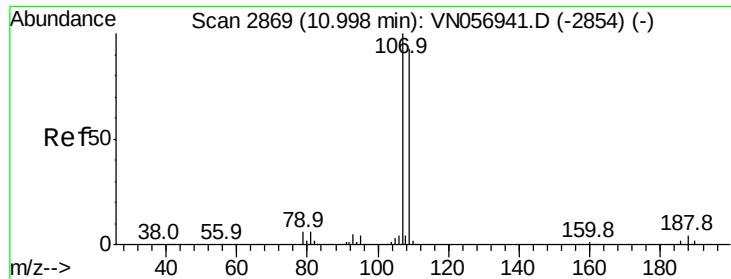
MMDadoda
8/6/2019 2:16:55 PM



#60
Dibromochloromethane
Concen: 56.318 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion: 129 Resp: 249601
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 55.366 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 233733

Ion Ratio Lower Upper

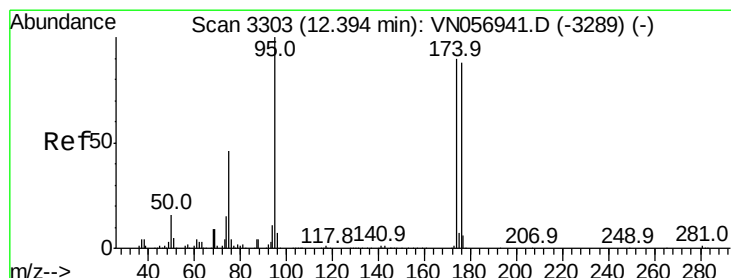
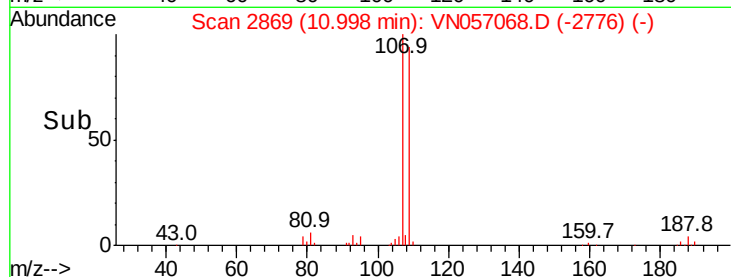
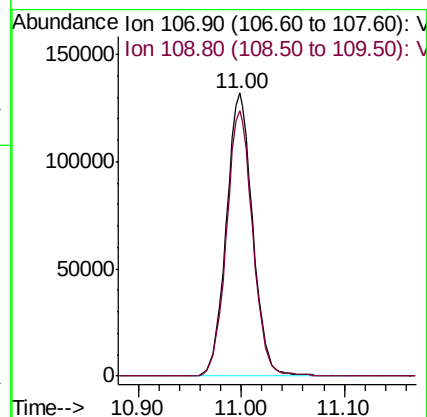
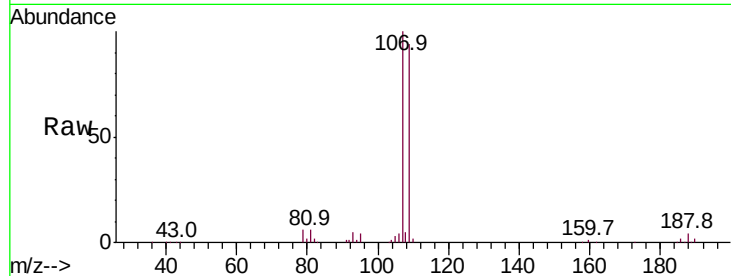
107 100

109 93.9 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.844 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

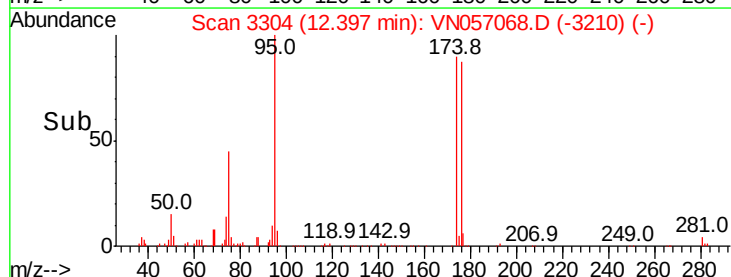
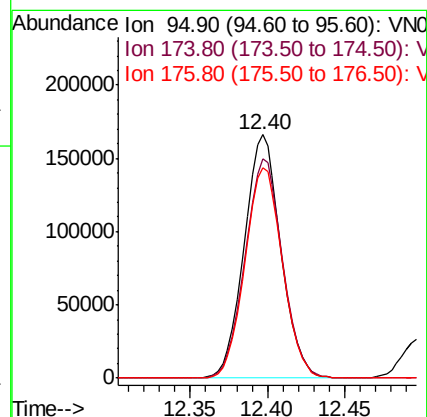
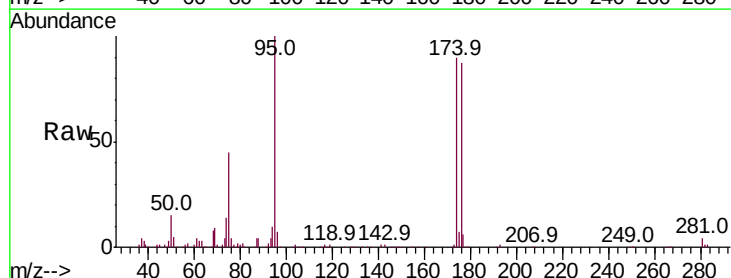
Tgt Ion: 95 Resp: 272950

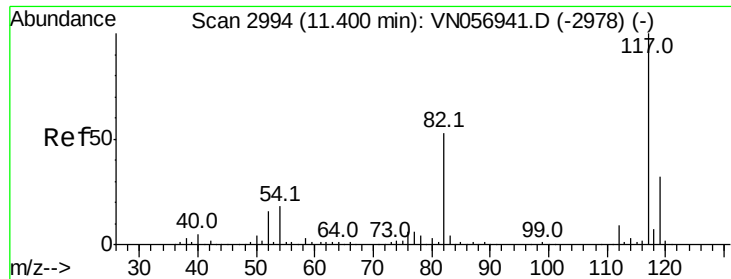
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

176 88.6 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: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

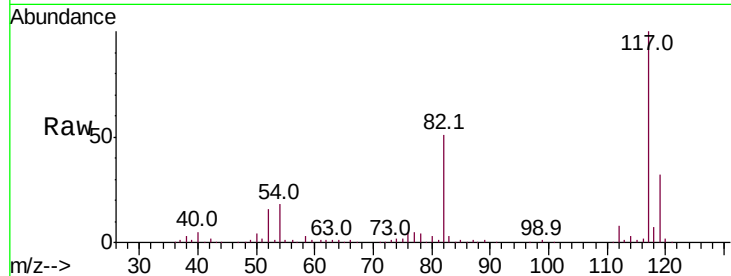
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	596897
Ion Ratio	Lower	Upper	
117	100		
82	51.0	42.2	63.4
119	31.8	25.8	38.6

Manual Integrations
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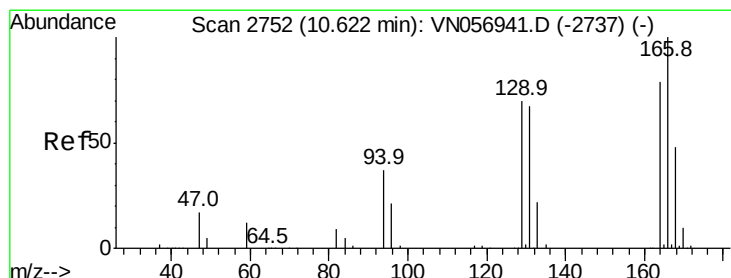
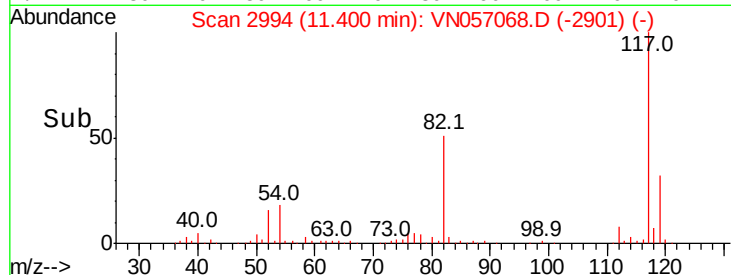
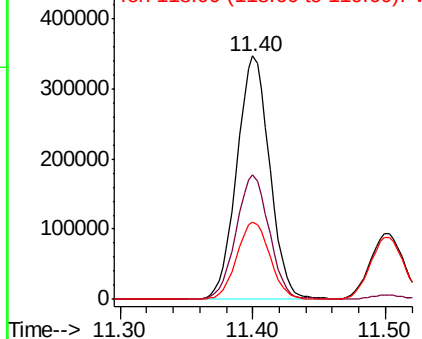


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.191 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	164	Resp:	258168
Ion Ratio	Lower	Upper	
164	100		
166	128.8	101.1	151.7
129	90.3	70.9	106.3
131	86.9	67.7	101.5

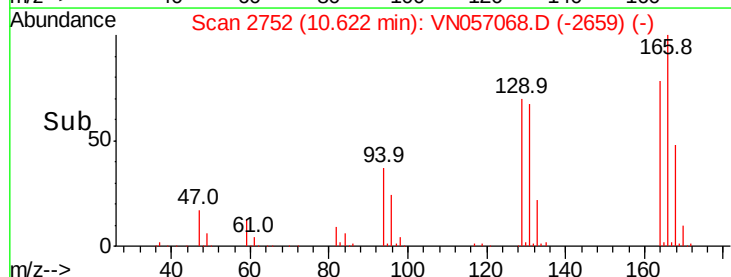
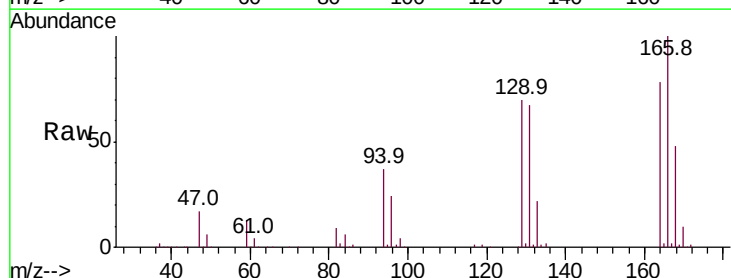
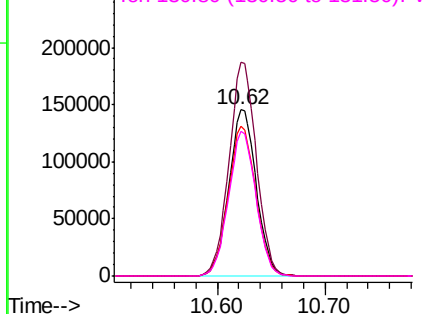
Abundance

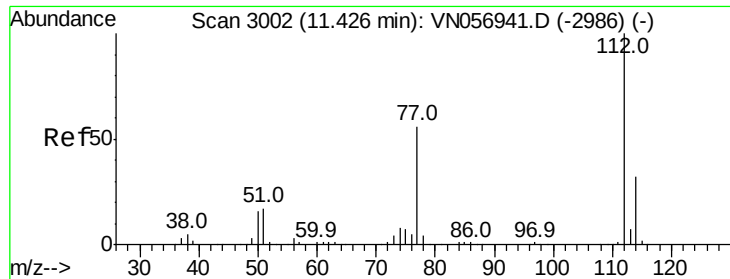
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





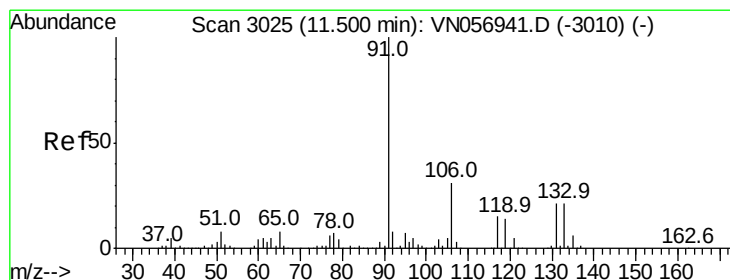
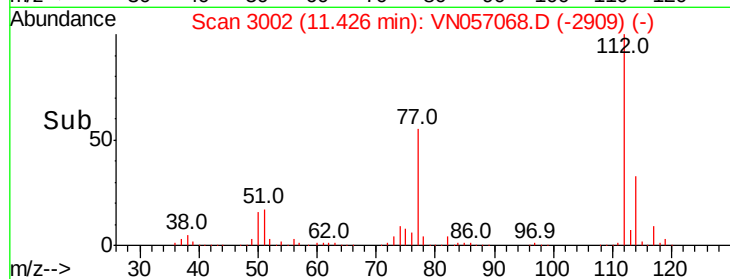
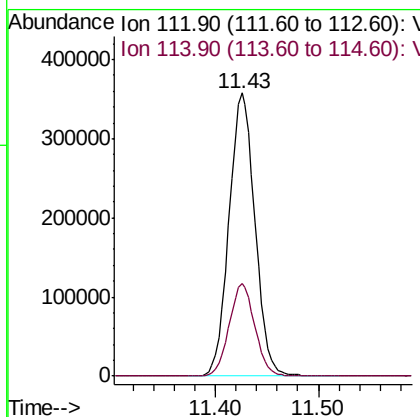
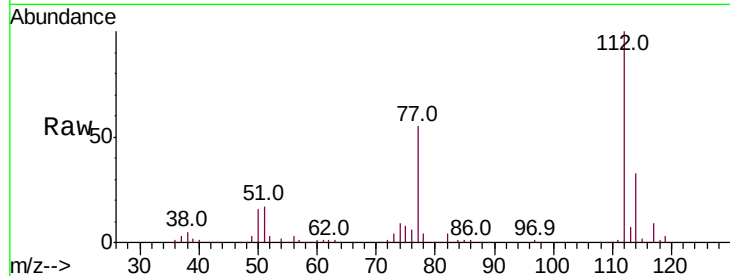
#65
Chlorobenzene
Concen: 51.474 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 626215
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

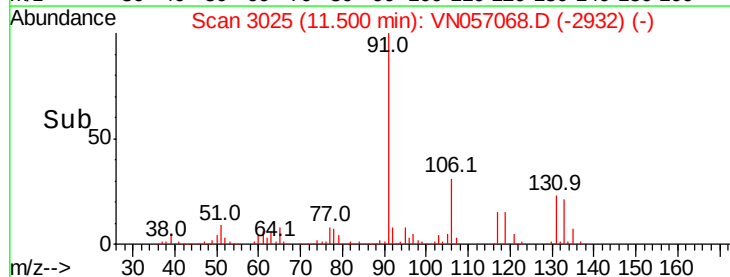
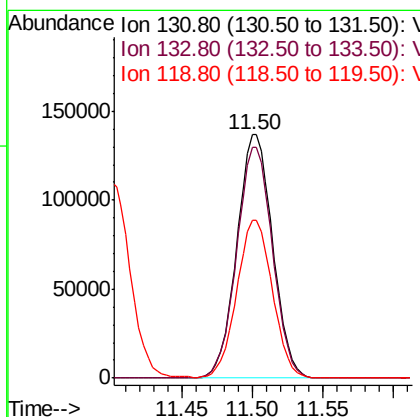
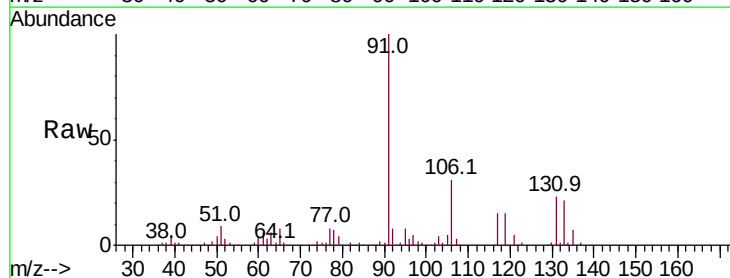
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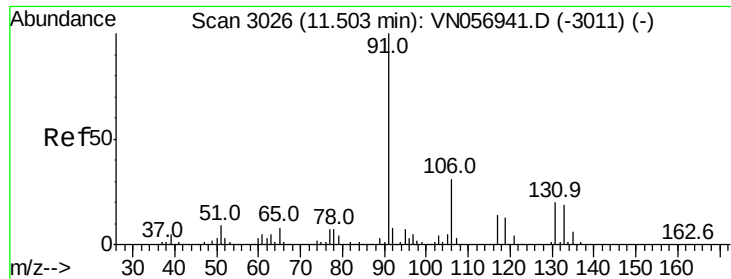
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.922 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion:131 Resp: 242328
Ion Ratio Lower Upper
131 100
133 95.1 48.0 144.0
119 64.8 33.2 99.6





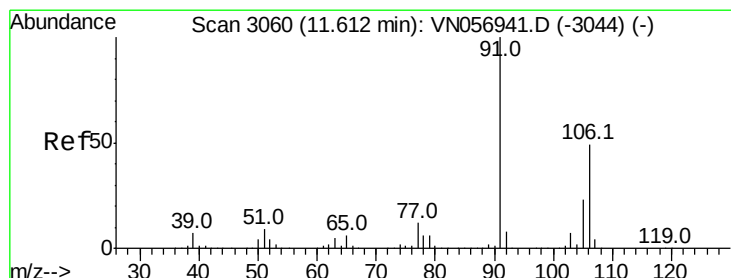
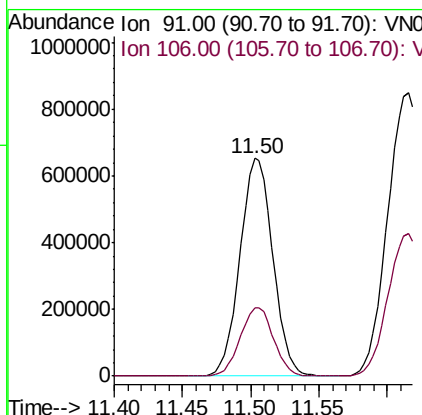
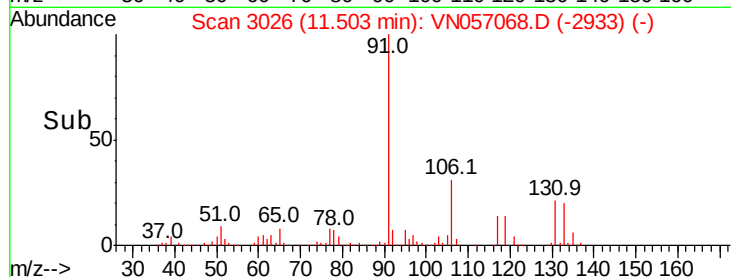
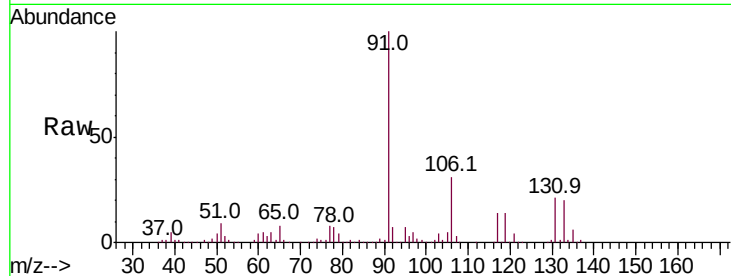
#67
Ethyl Benzene
Concen: 52.035 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1094076
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7

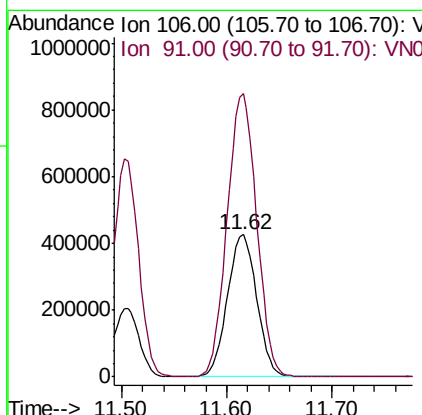
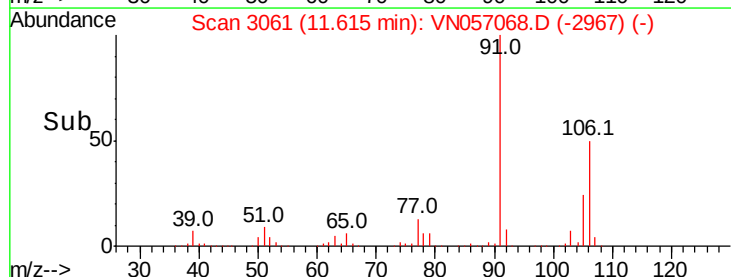
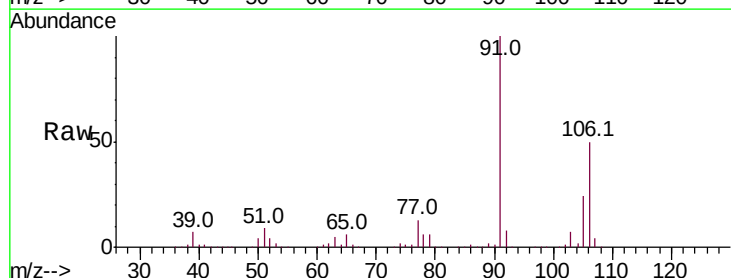
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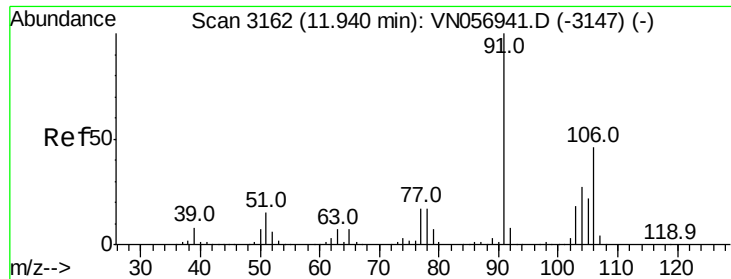
MMDadoda
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#68
m/p-Xylenes
Concen: 105.833 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion: 106 Resp: 821240
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0





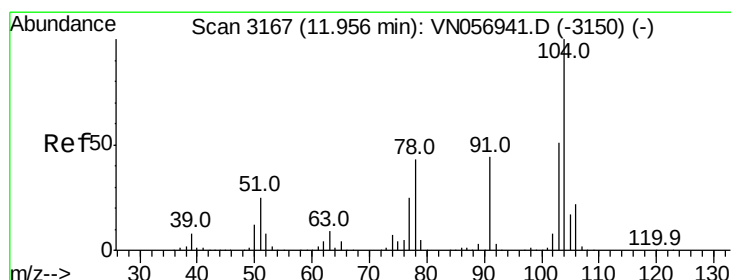
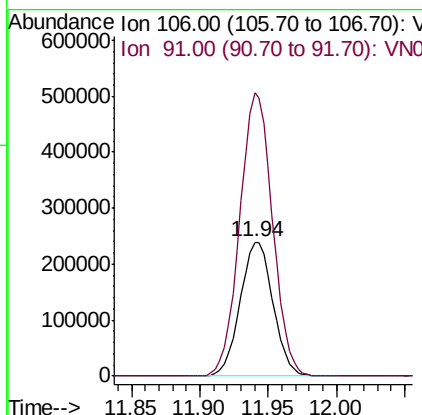
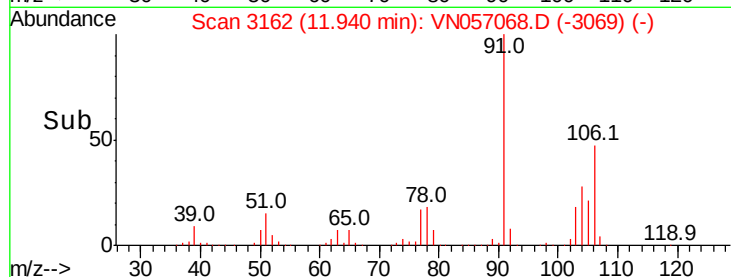
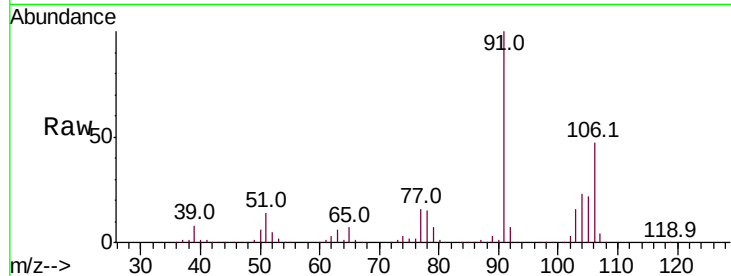
#69
o-Xylene
Concen: 52.766 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 400581
Ion Ratio Lower Upper
106 100
91 210.9 106.2 318.6

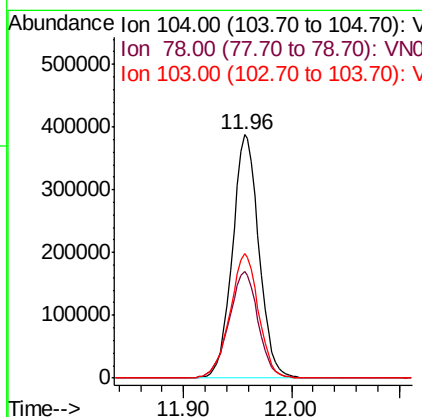
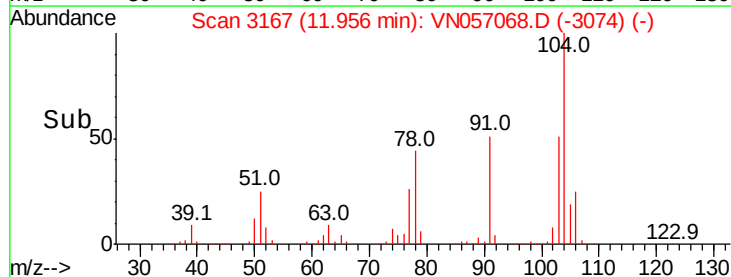
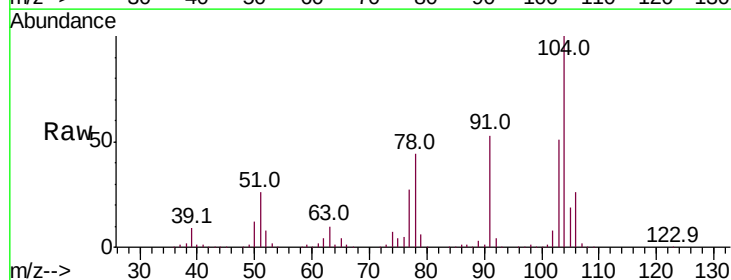
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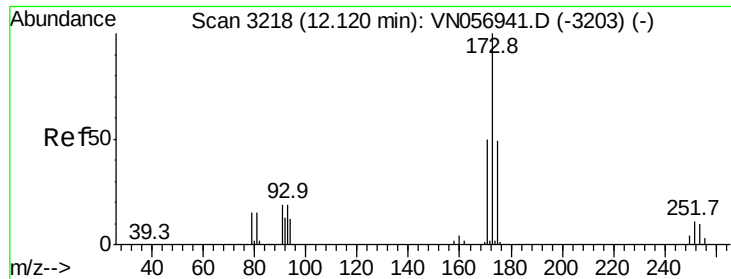
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#70
Styrene
Concen: 49.562 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion:104 Resp: 664819
Ion Ratio Lower Upper
104 100
78 48.2 38.1 57.1
103 55.1 44.3 66.5





#71

Bromoform

Concen: 55.440 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 177236

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.4

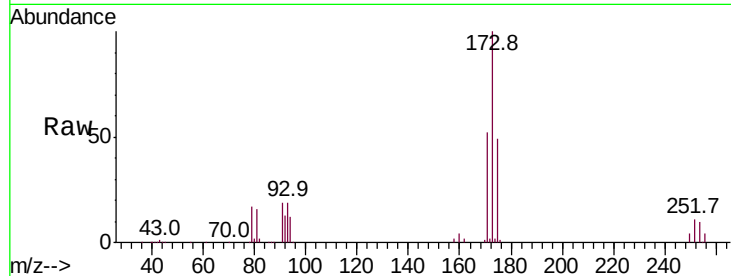
254 0.1 0.1 0.1#

Manual Integrations

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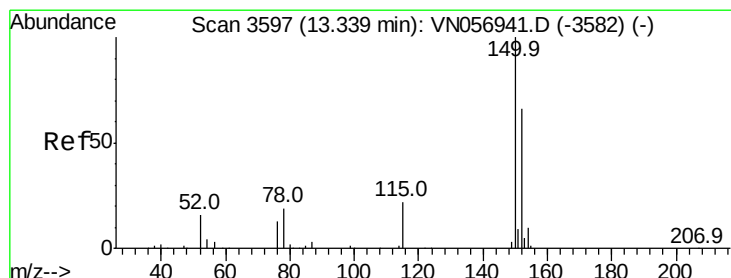
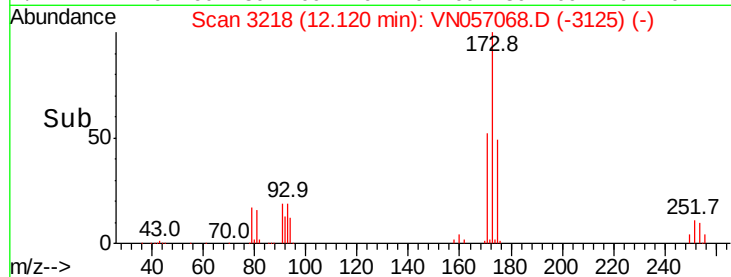
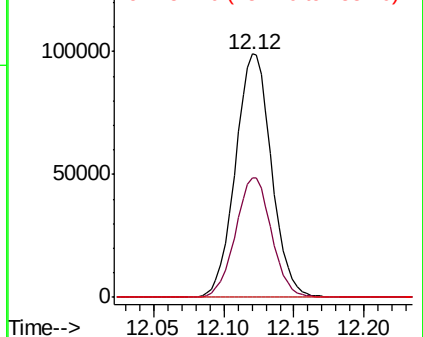
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

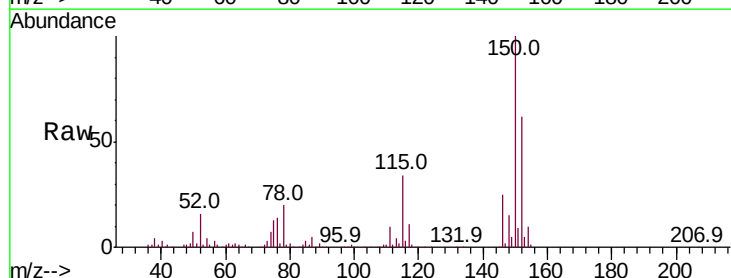
Tgt Ion:152 Resp: 256390

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

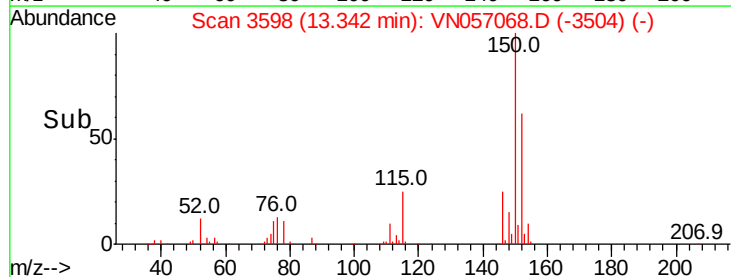
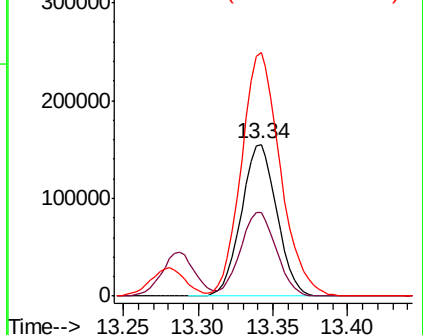
150 176.1 0.0 349.4

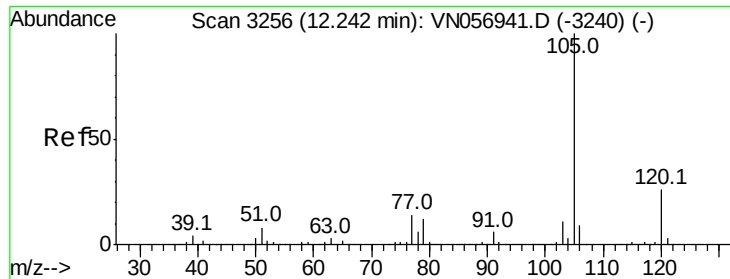


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.697 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1079043

Ion Ratio Lower Upper

105 100

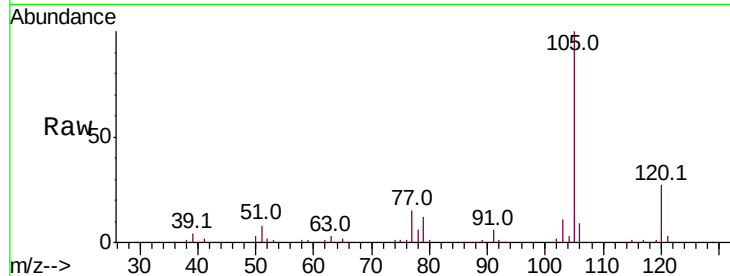
120 27.2 13.5 40.5

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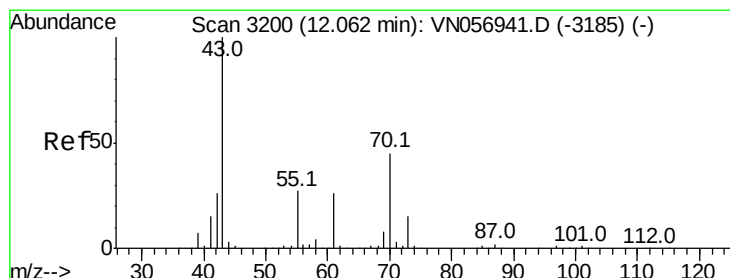
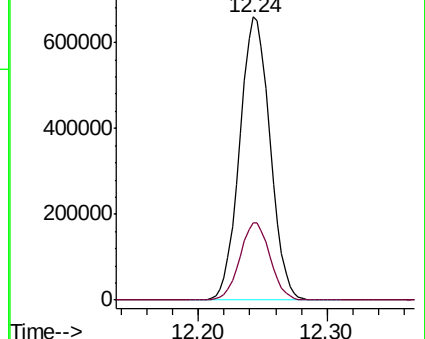
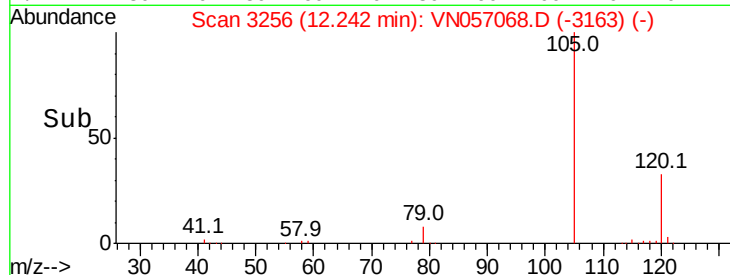
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.048 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion: 43 Resp: 315572

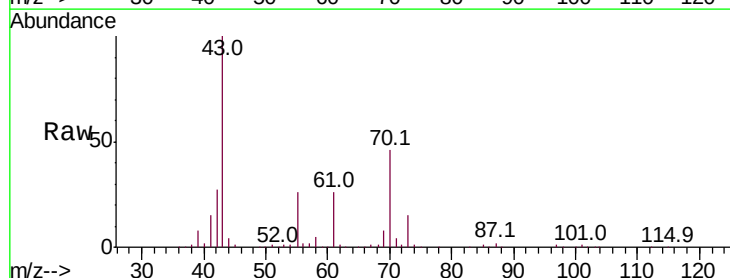
Ion Ratio Lower Upper

43 100

70 46.3 36.5 54.7

55 26.8 21.4 32.0

61 25.8 20.5 30.7

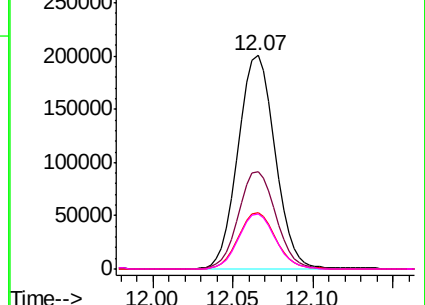
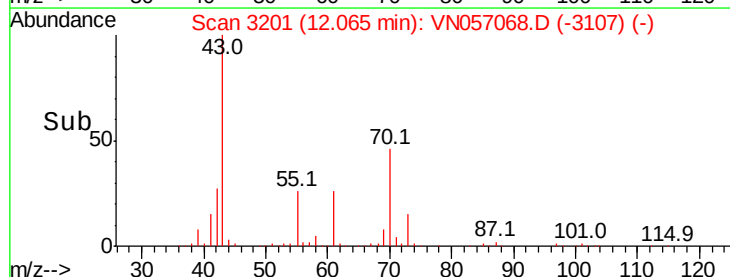


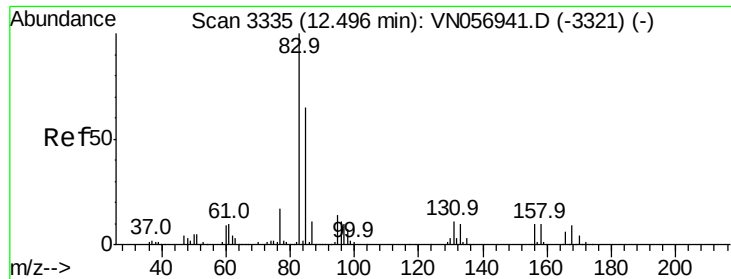
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.528 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

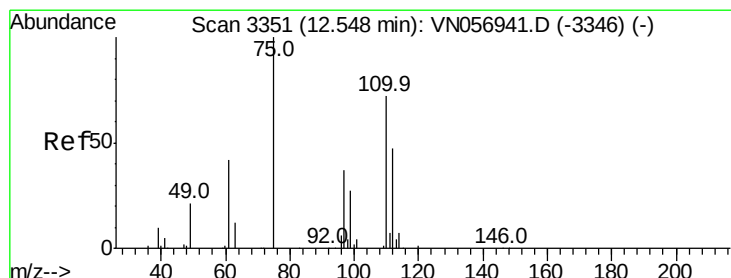
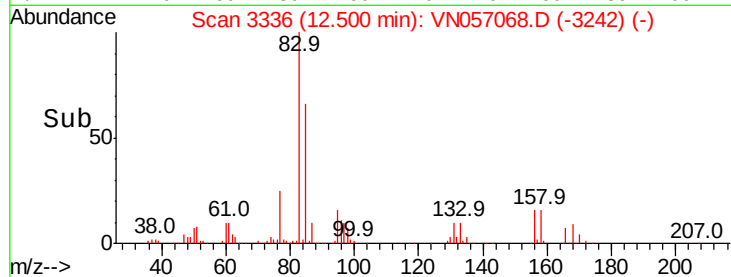
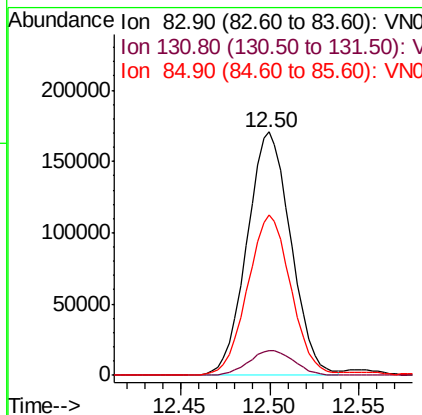
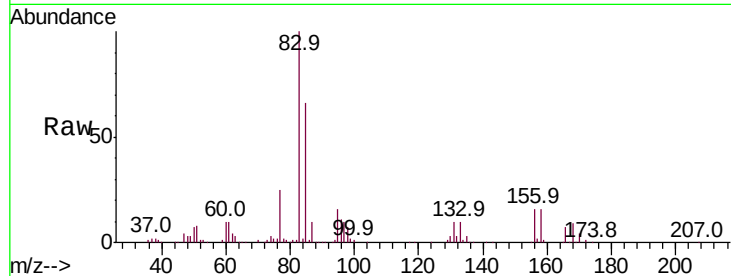
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	293470
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	65.2	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.111 ug/l m

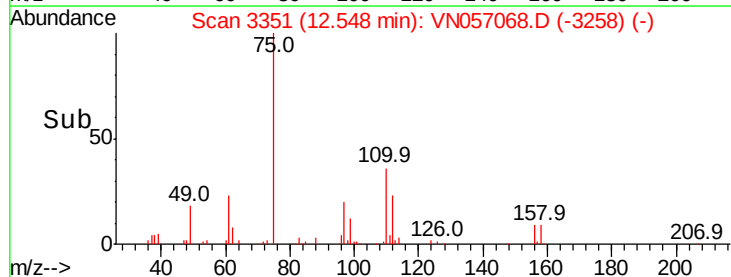
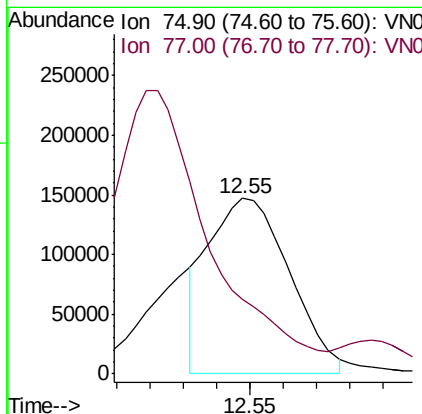
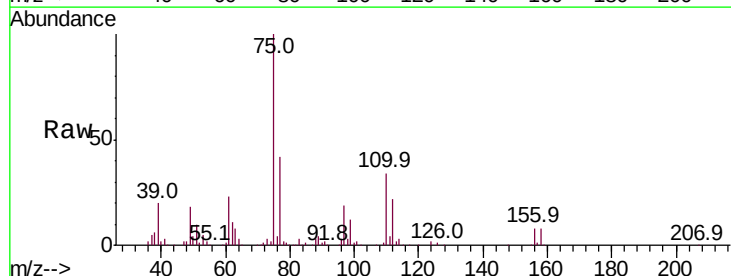
RT: 12.55 min Scan# 3351

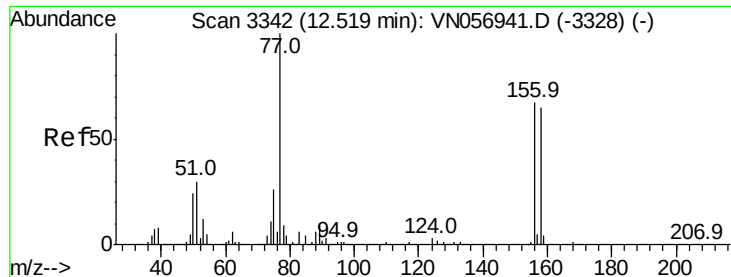
Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	75	Resp:	250508
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.938 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

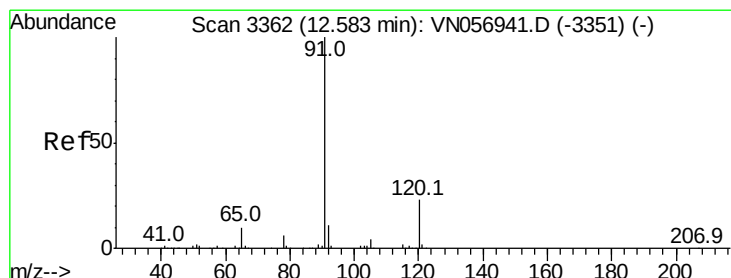
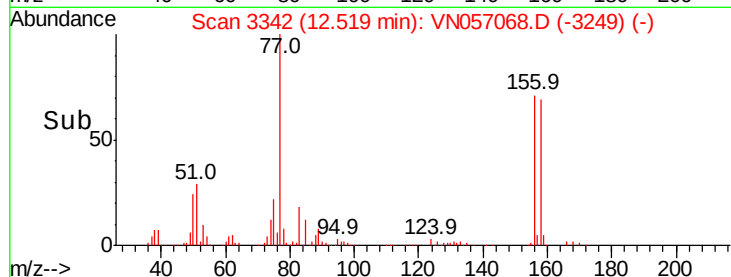
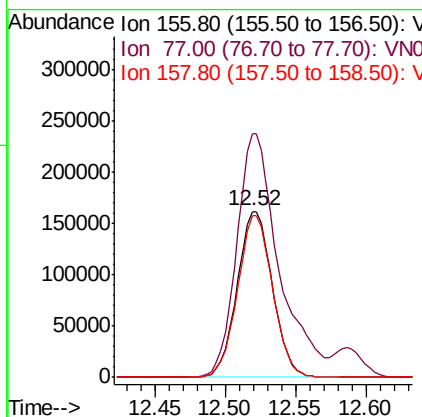
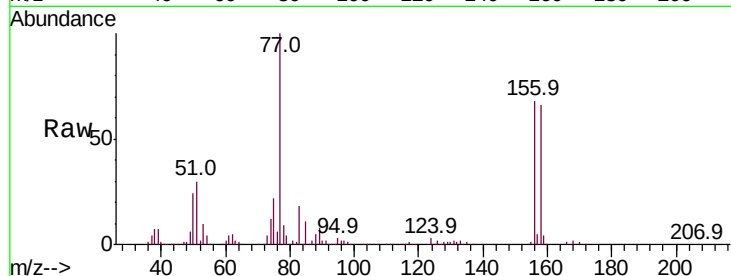
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	283018
Ion Ratio	Lower	Upper	
156	100		
77	176.4	89.5	268.5
158	96.8	48.4	145.3

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#78

n-propylbenzene

Concen: 49.552 ug/l

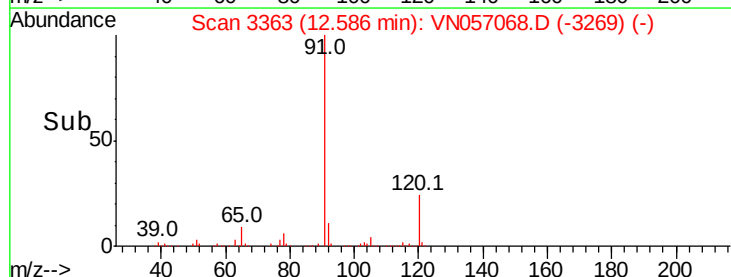
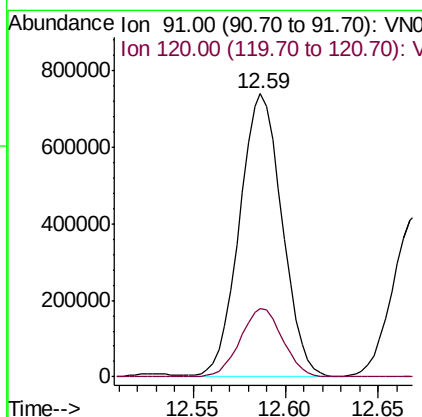
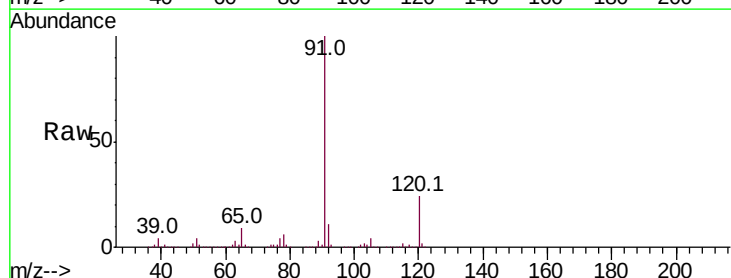
RT: 12.59 min Scan# 3363

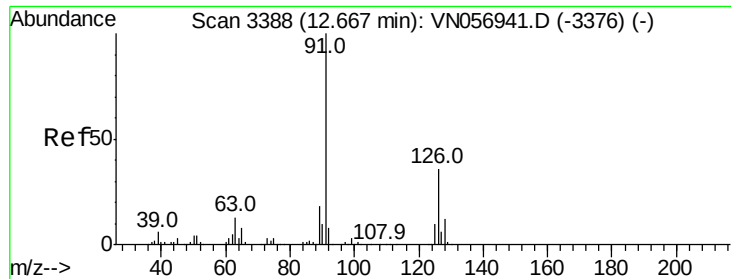
Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	91	Resp:	1172356
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 48.513 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 706760

Ion Ratio Lower Upper

91 100

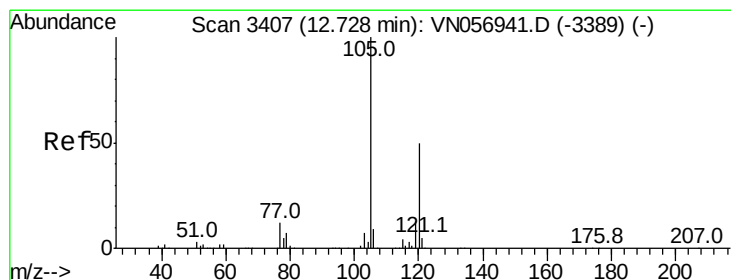
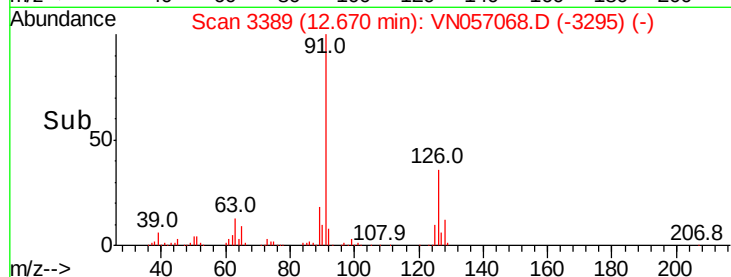
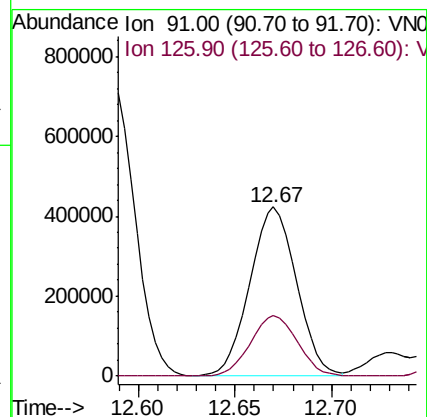
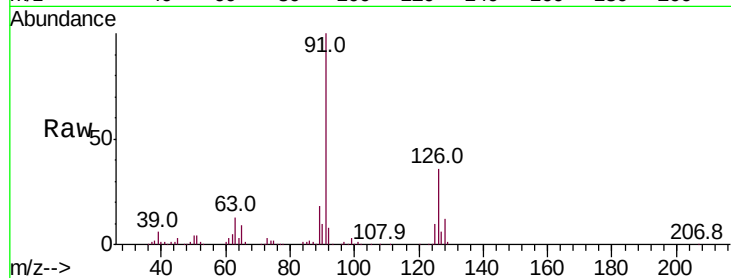
126 36.1 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 50.252 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN057068.D

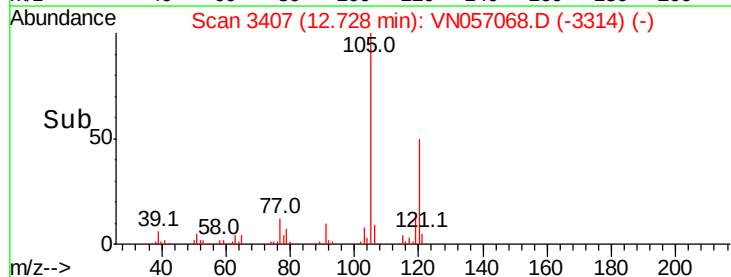
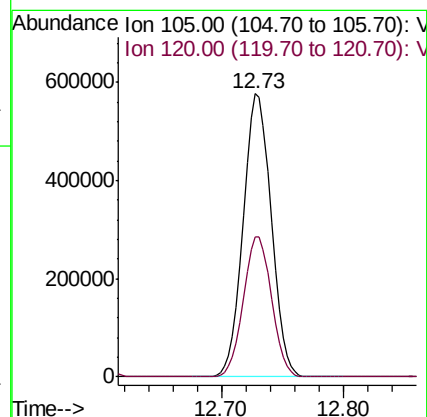
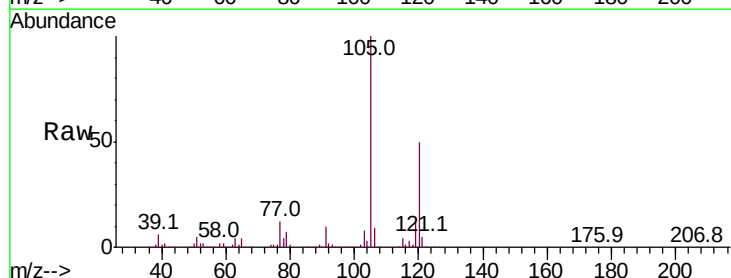
Acq: 2 Aug 2019 16:56

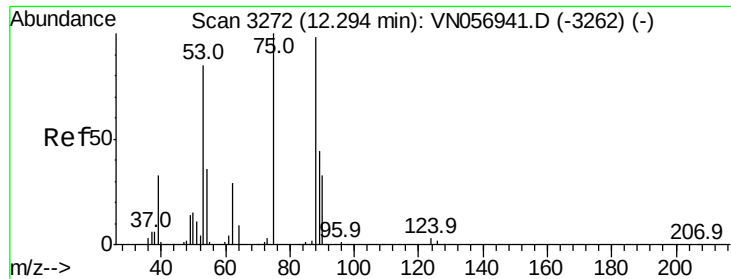
Tgt Ion: 105 Resp: 913895

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.3





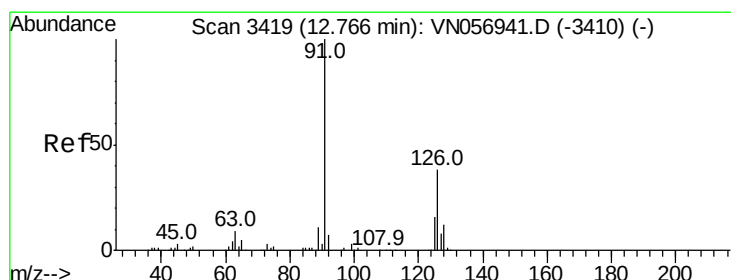
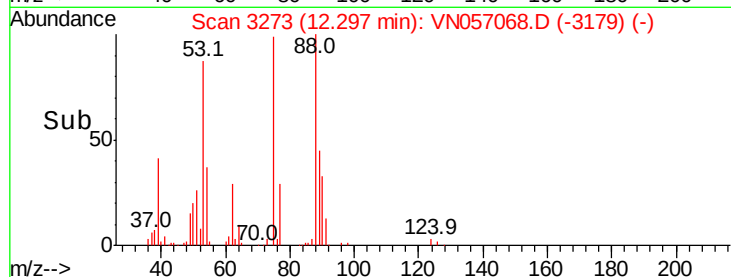
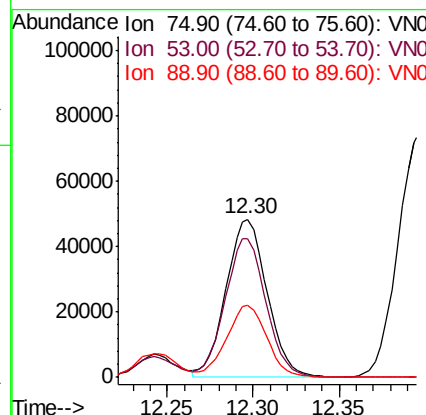
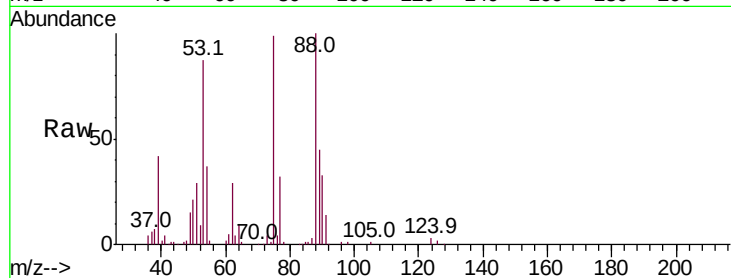
#81
trans-1,4-Dichloro-2-butene
Concen: 49.869 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.5	69.3	103.9
89	44.5	35.8	53.6

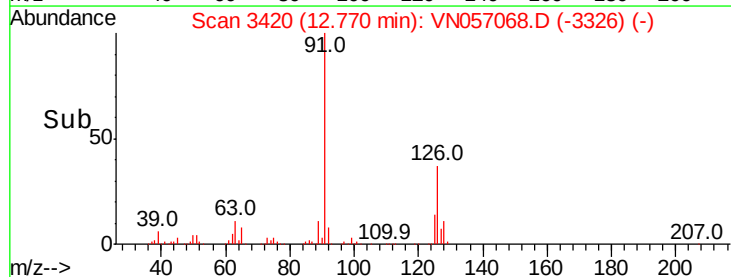
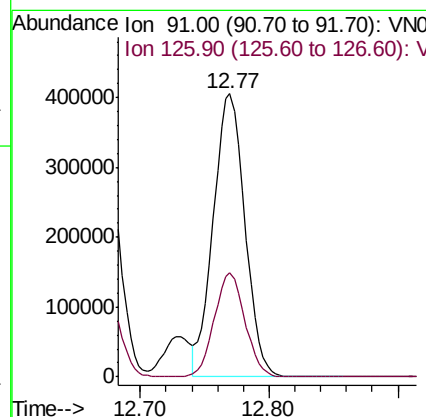
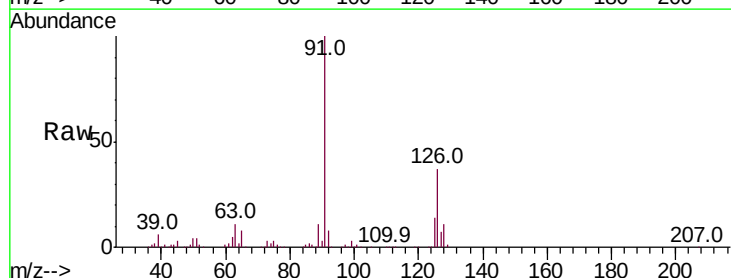
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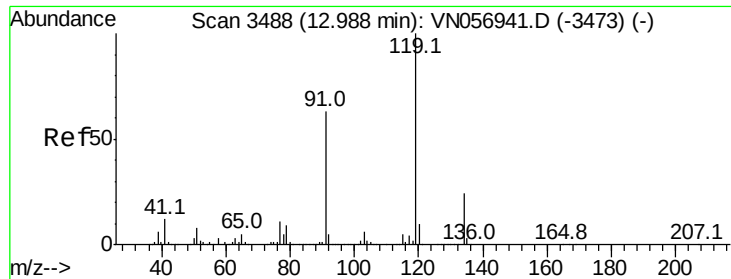
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#82
4-Chlorotoluene
Concen: 50.579 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.5





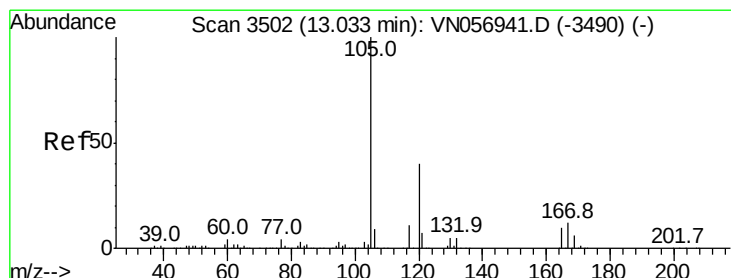
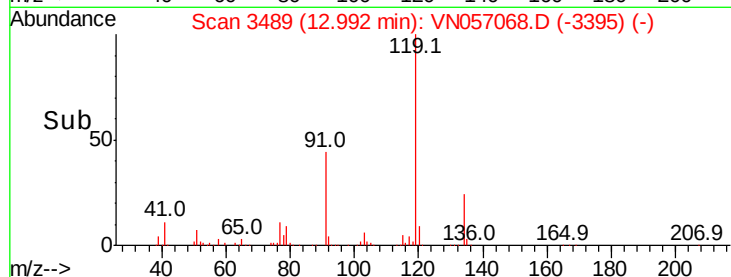
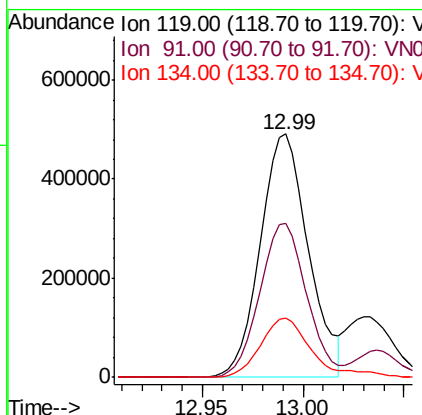
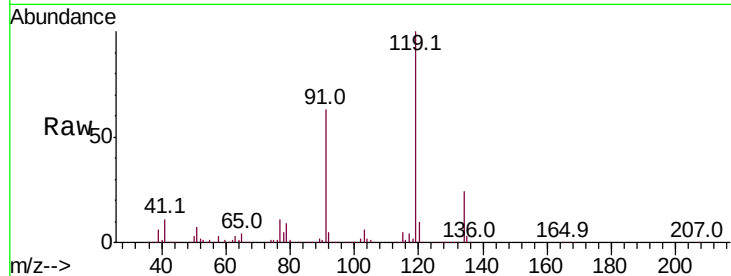
#83
 tert-Butylbenzene
 Concen: 50.709 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	816368		
91	62.0	31.3	93.8	
134	26.0	13.3	39.8	

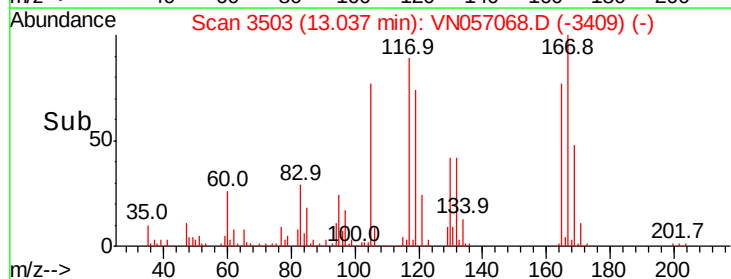
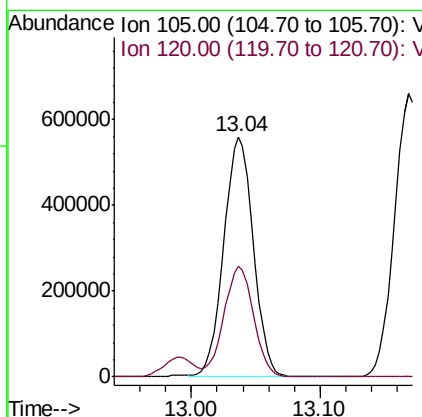
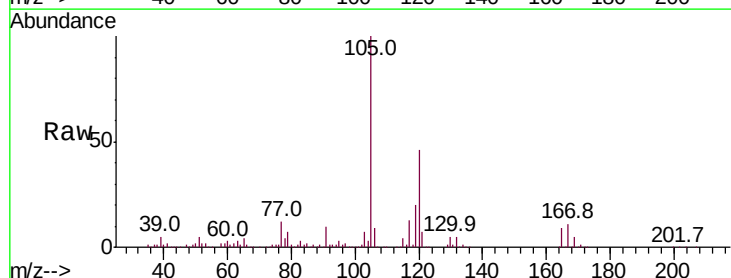
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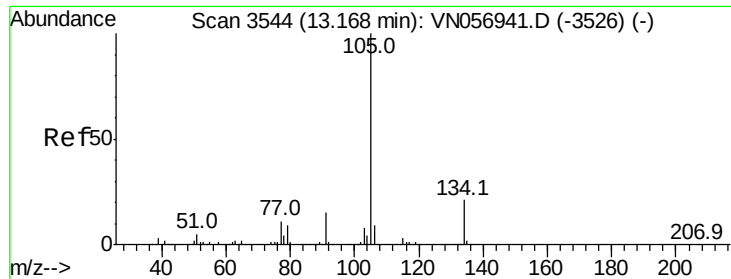
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.627 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	885909		
120	46.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 50.369 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1045957

Ion Ratio Lower Upper

105 100

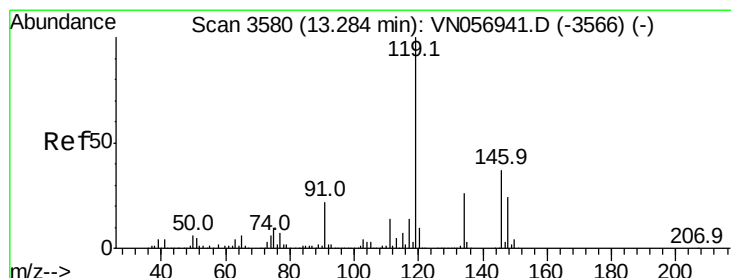
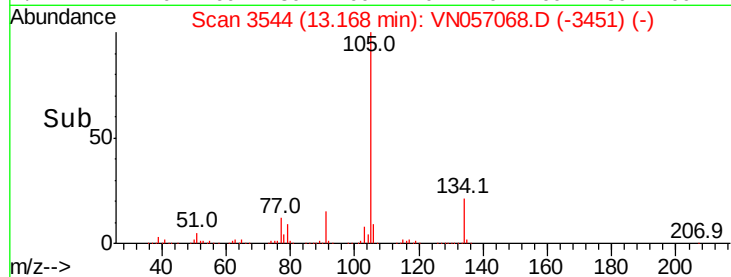
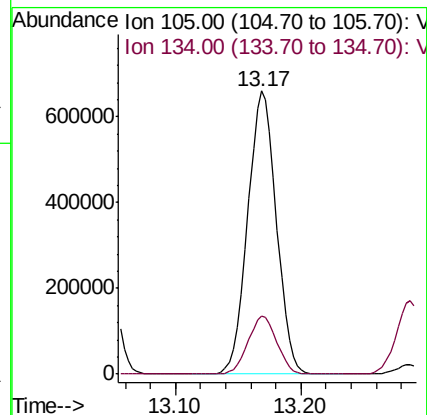
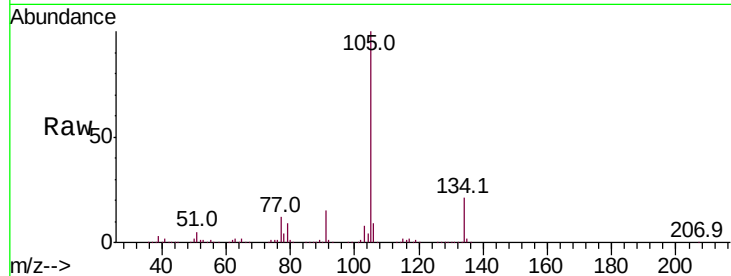
134 20.7 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 51.973 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

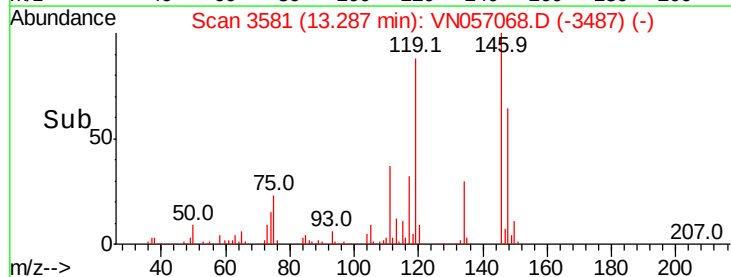
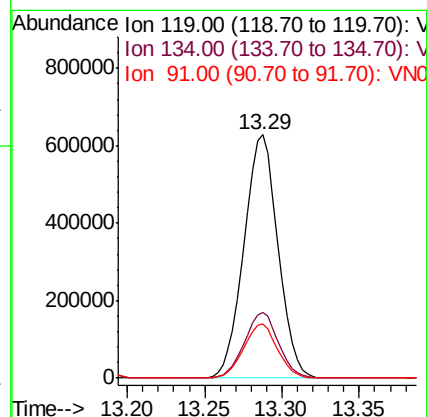
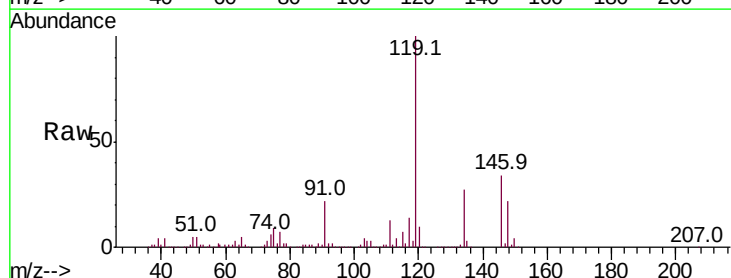
Tgt Ion:119 Resp: 958191

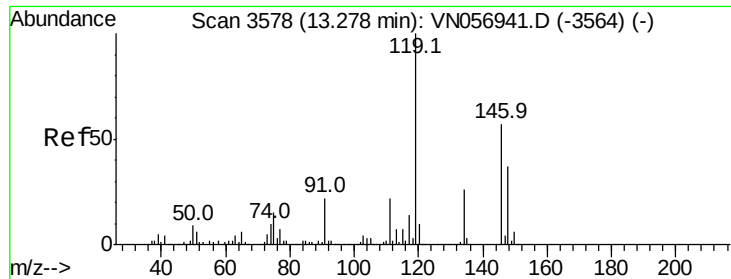
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.0 11.0 33.0





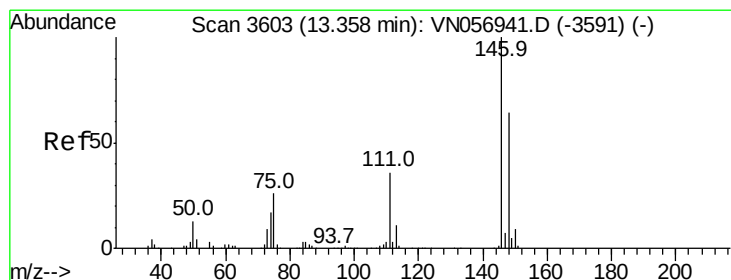
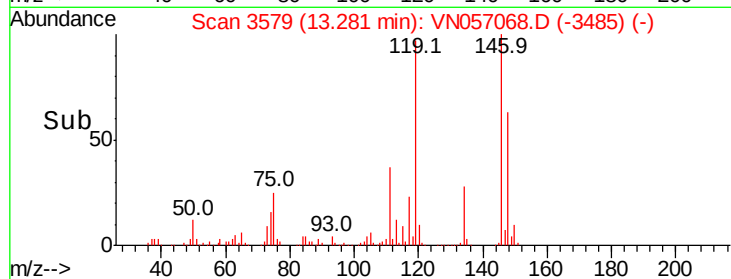
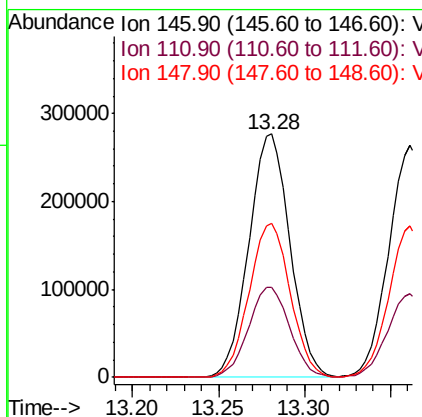
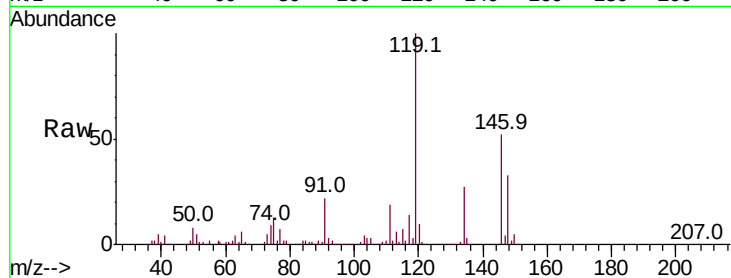
#87
 1,3-Dichlorobenzene
 Concen: 52.156 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.3	32.2	96.6

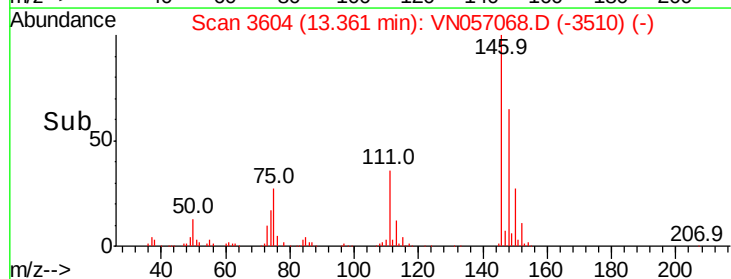
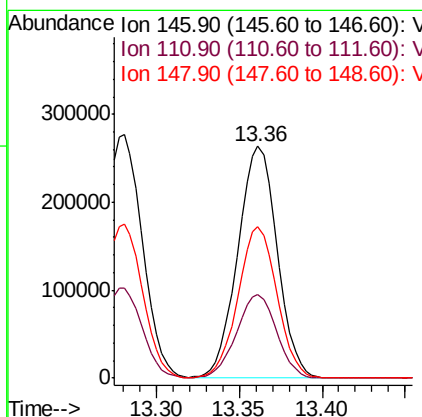
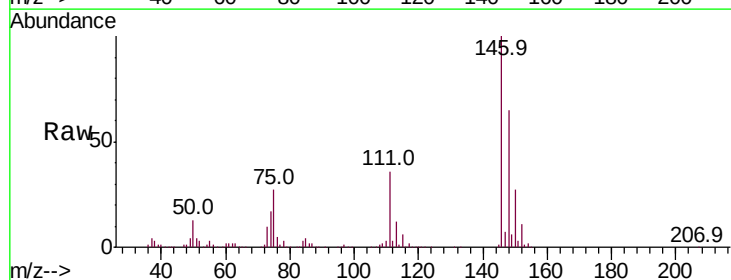
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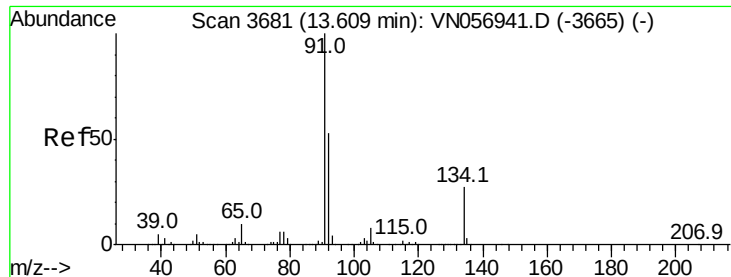
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#88
 1,4-Dichlorobenzene
 Concen: 51.324 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	65.0	32.3	96.9





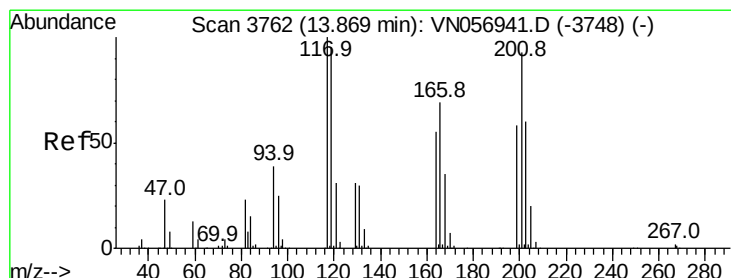
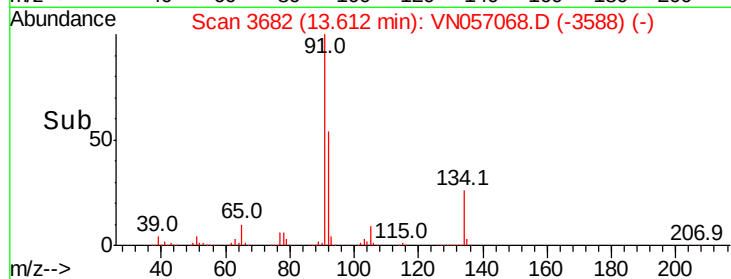
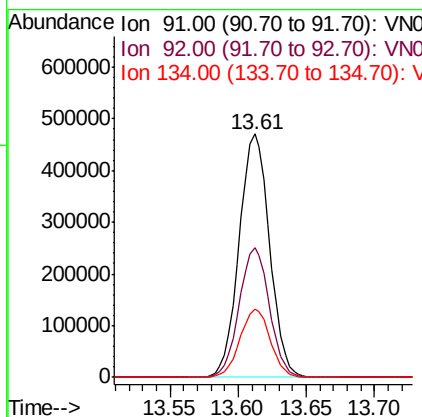
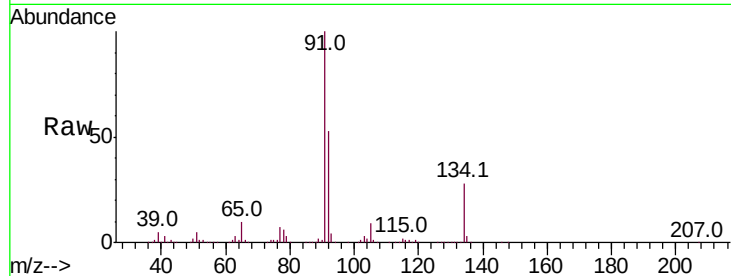
#89
n-Butylbenzene
Concen: 51.337 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.2	78.5
134	27.8	13.5	40.4

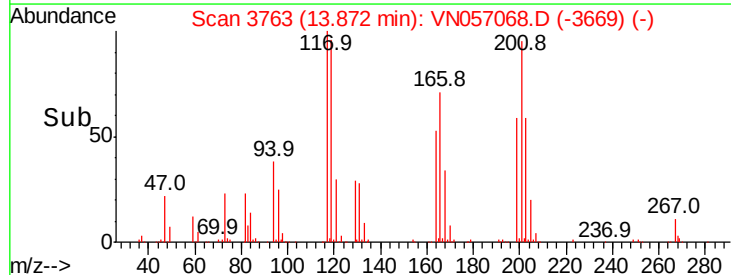
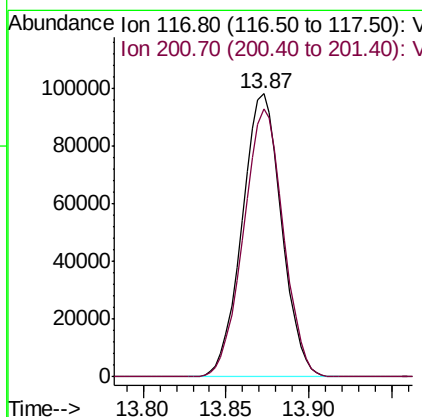
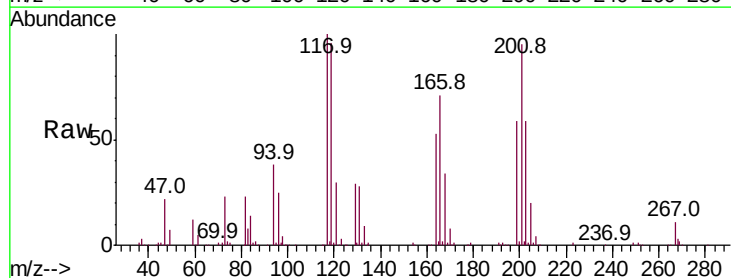
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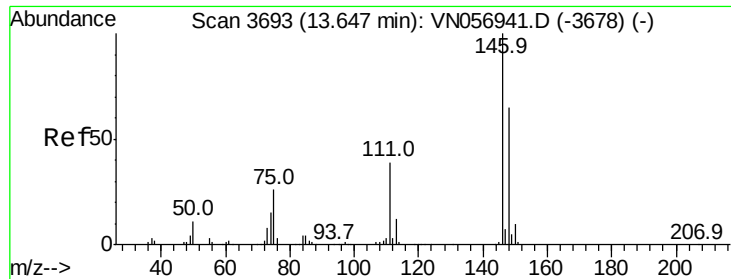
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#90
Hexachloroethane
Concen: 51.171 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	47.0	141.2





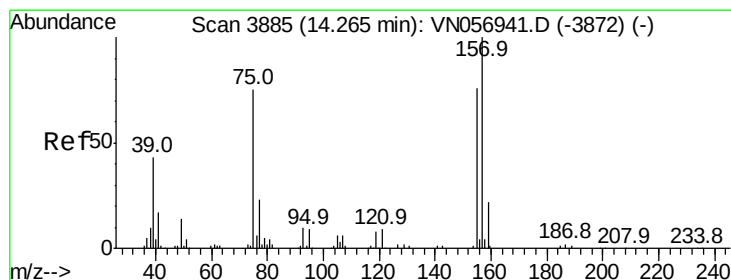
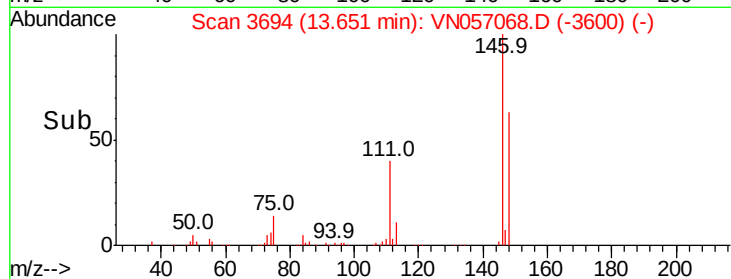
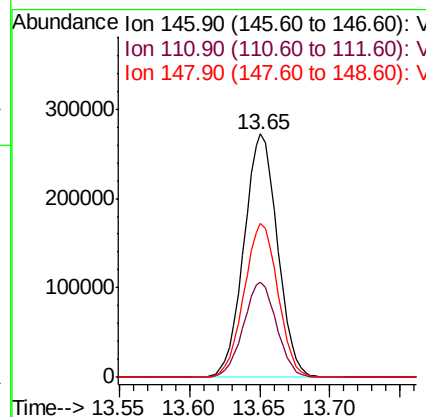
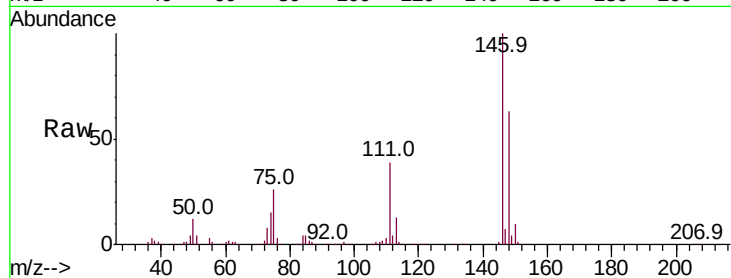
#91
 1,2-Dichlorobenzene
 Concen: 52.462 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	63.8	32.2	96.6

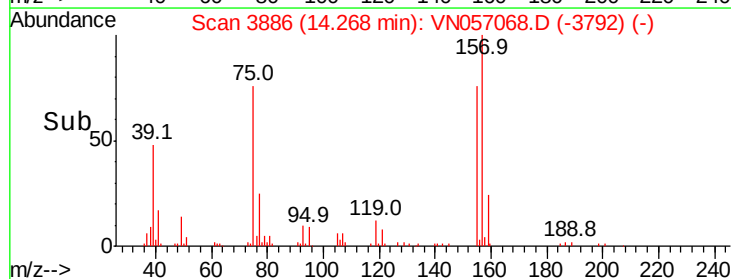
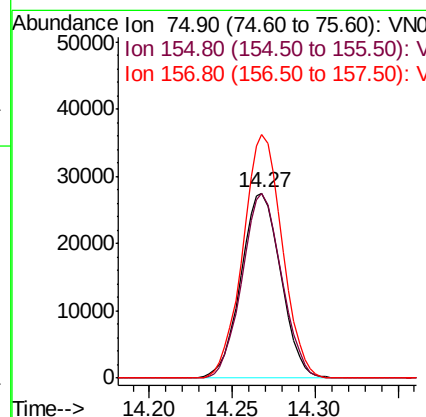
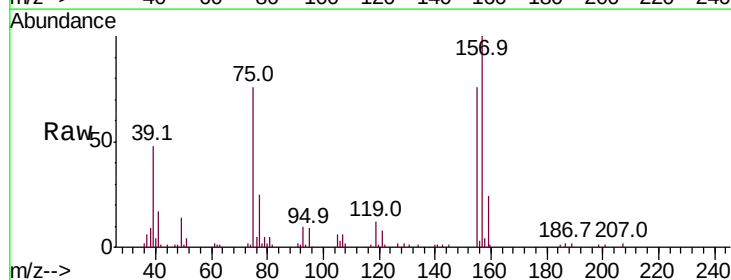
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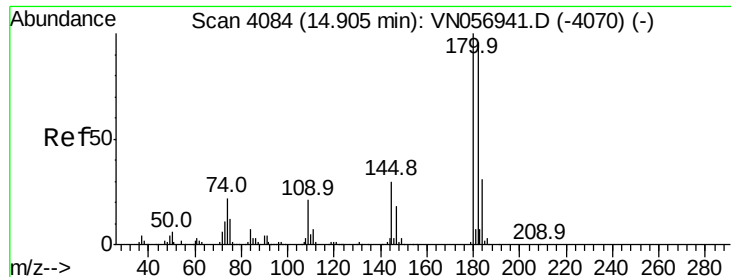
MMDadoda
 8/6/2019 2:16:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.177 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057068.D
 Acq: 2 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	50.2	150.6
157	129.8	65.1	195.4





#93

1,2,4-Trichlorobenzene

Concen: 45.769 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Instrument :

MSVOA_N

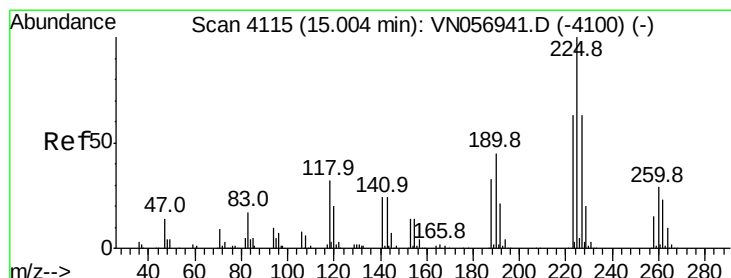
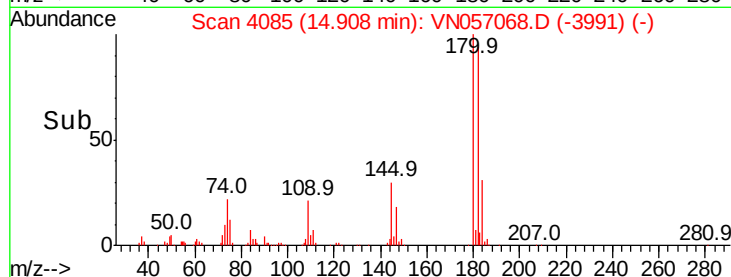
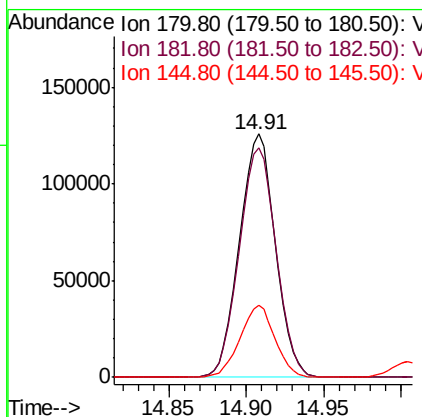
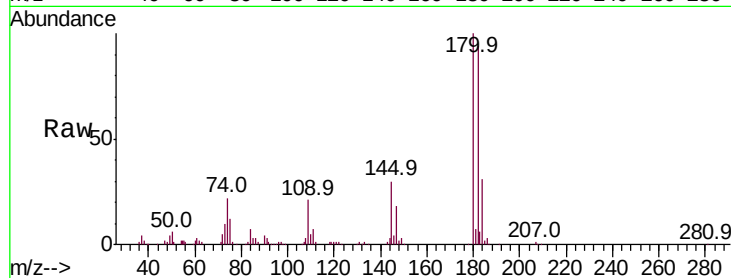
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	203338
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.6	142.8
145	28.7	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 59.356 ug/l

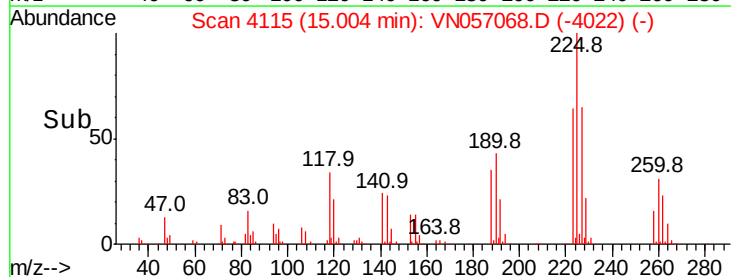
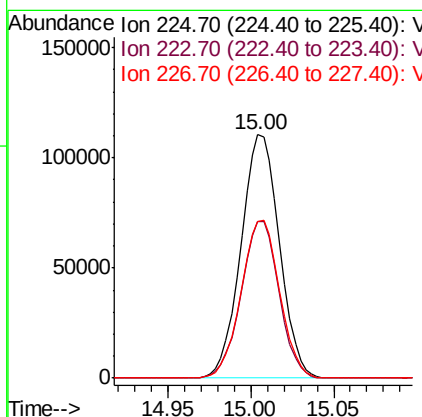
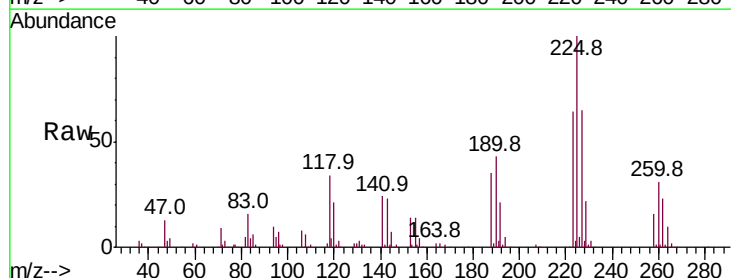
RT: 15.00 min Scan# 4115

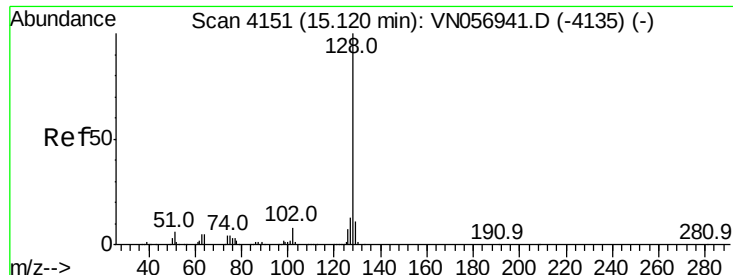
Delta R.T. 0.00 min

Lab File: VN057068.D

Acq: 2 Aug 2019 16:56

Tgt Ion:	225	Resp:	177632
Ion Ratio	Lower	Upper	
225	100		
223	63.6	30.8	92.4
227	64.9	31.1	93.5





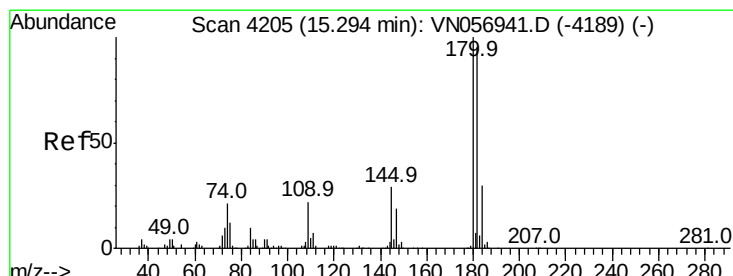
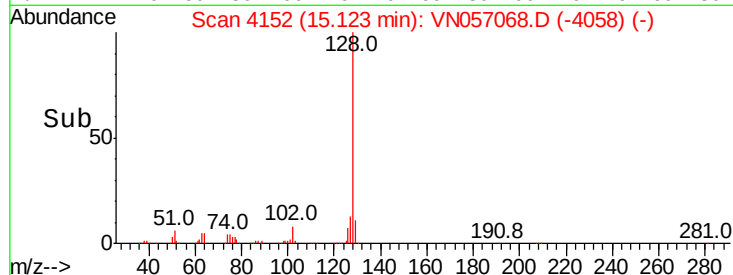
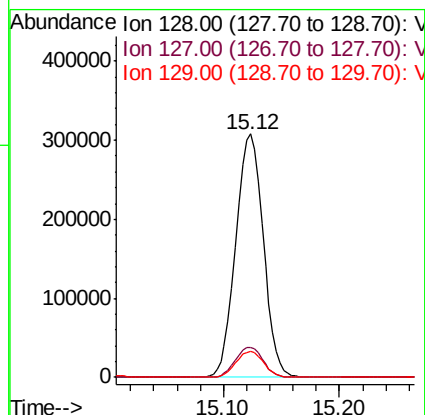
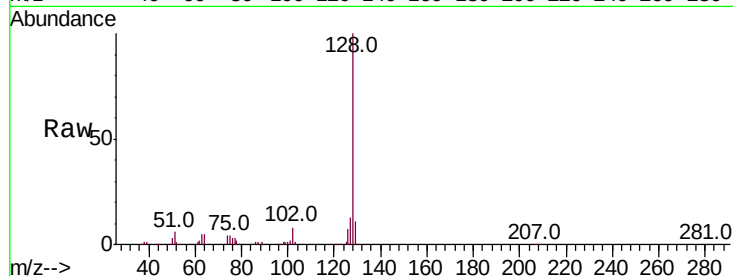
#95
Naphthalene
Concen: 46.633 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	128	Resp:	505175
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 50.138 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057068.D
Acq: 2 Aug 2019 16:56

Tgt Ion:	180	Resp:	226321
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.2
145	29.9	15.0	45.0

