

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111121\
 Data File : VN069457.D
 Acq On : 11 Nov 2021 16:35
 Operator : JC/MD
 Sample : M4641-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 05:16:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

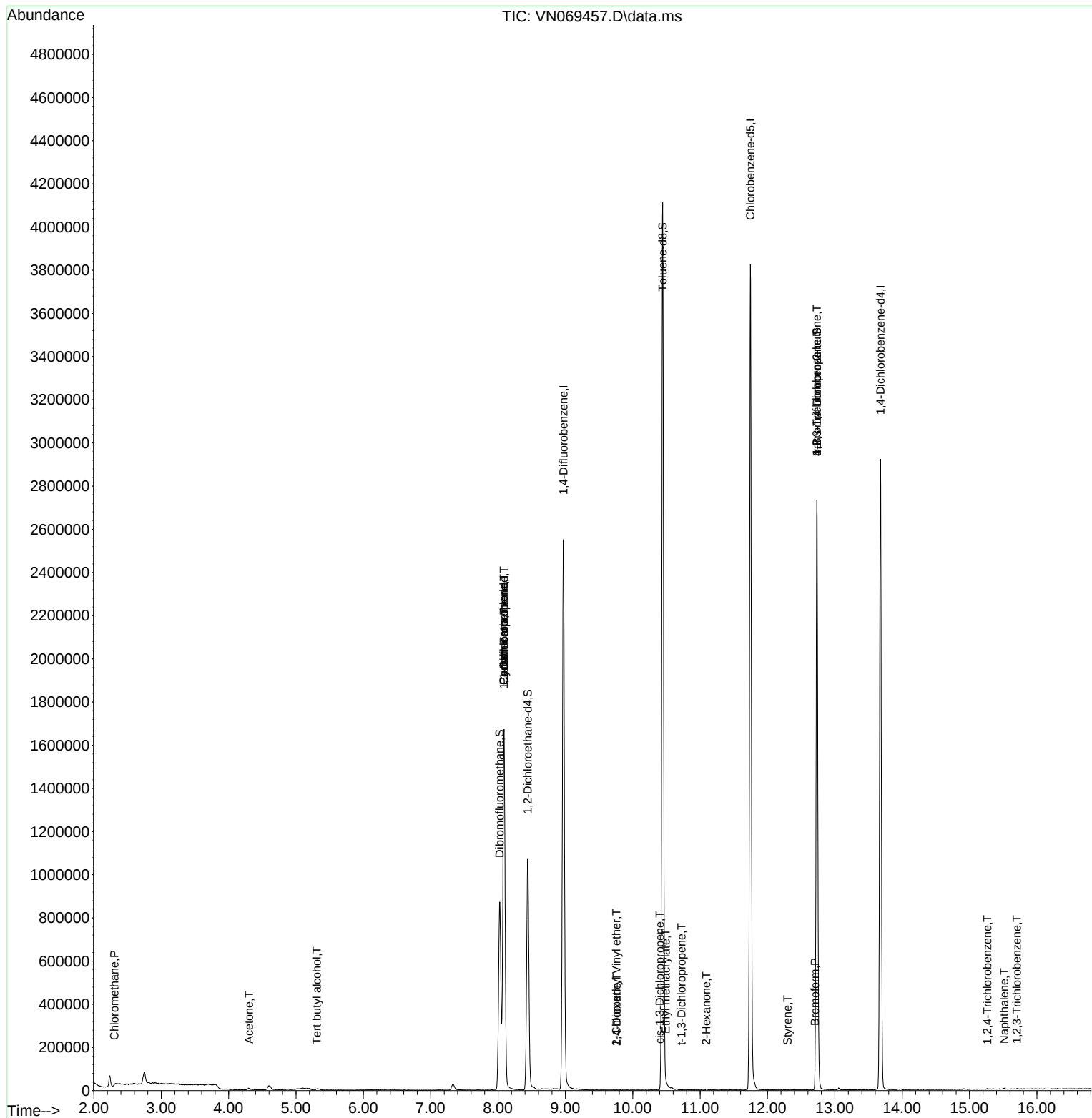
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1223380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2151790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2136375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	745878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	912261	51.429	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.860%
35) Dibromofluoromethane	8.024	113	633886	49.117	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.240%
50) Toluene-d8	10.443	98	2784845	54.866	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	109.740%
62) 4-Bromofluorobenzene	12.734	95	927399	49.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.480%
Target Compounds						Qvalue
3) Chloromethane	2.303	50	3814	0.252	ug/l #	79
11) Tert butyl alcohol	5.307	59	2386	0.746	ug/l #	71
13) Acrolein	4.044	56	851	Below Cal	#	32
16) Acetone	4.301	43	9743	1.018	ug/l	98
31) Cyclohexane	8.088	56	33629	1.388	ug/l #	37
36) 1,1-Dichloropropene	8.086	75	108023	5.966	ug/l #	49
38) Carbon Tetrachloride	8.088	117	128998	7.380	ug/l #	16
49) 1,4-Dioxane	9.759	88	24	39.122	ug/l #	1
53) t-1,3-Dichloropropene	10.725	75	55	2.640	ug/l	95
54) cis-1,3-Dichloropropene	10.400	75	24	1.734	ug/l #	32
56) Ethyl methacrylate	10.489	69	154	2.058	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.757	63	60	22.778	ug/l #	45
59) 2-Hexanone	11.092	43	2757	8.066	ug/l	78
70) Styrene	12.299	104	627	1.533	ug/l #	52
71) Bromoform	12.704	173	49	3.432	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	524687	30.482	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	524687	86.019	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	678	3.168	ug/l	71
95) Naphthalene	15.515	128	4318	4.570	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.703	180	1042	3.256	ug/l #	82

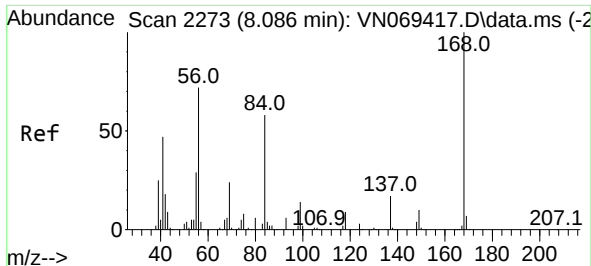
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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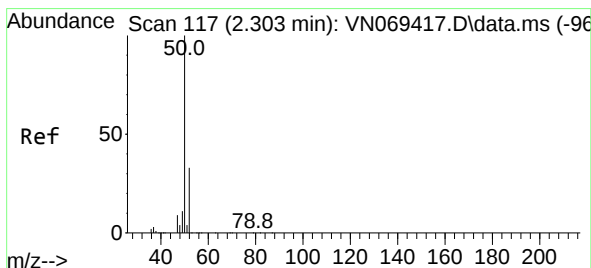
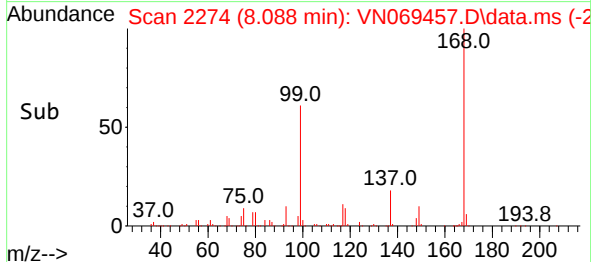
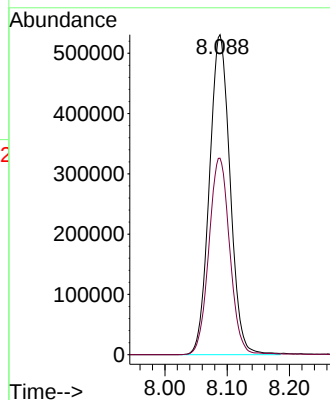
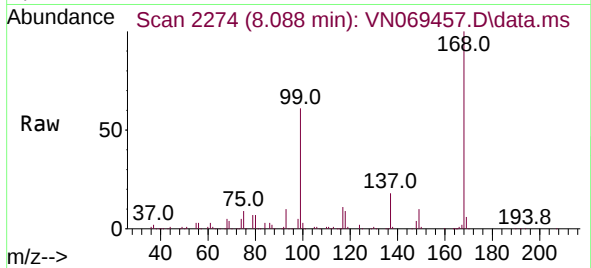




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

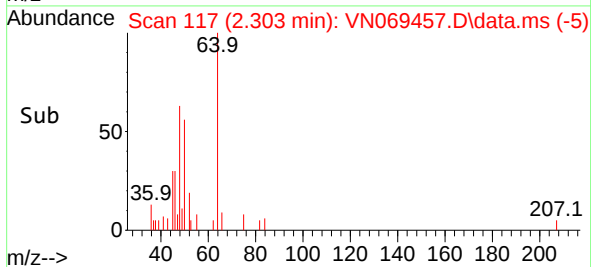
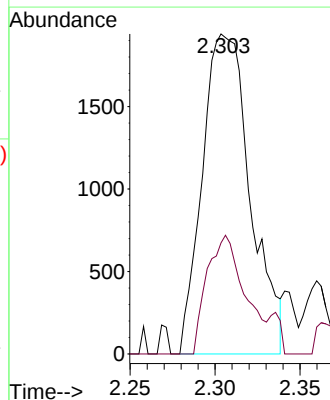
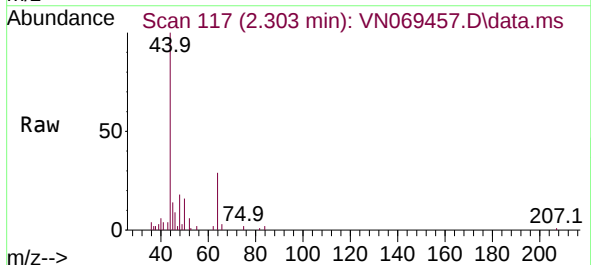
Instrument :
MSVOA_N
ClientSampleId :

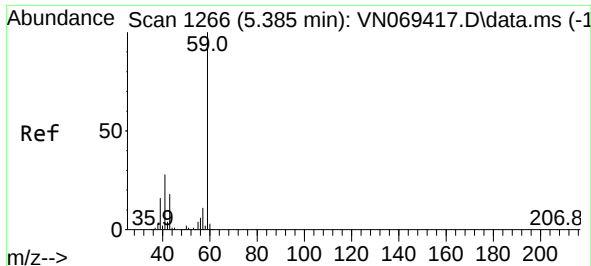
Tgt Ion:168 Resp: 1223380
Ion Ratio Lower Upper
168 100
99 61.4 41.3 61.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

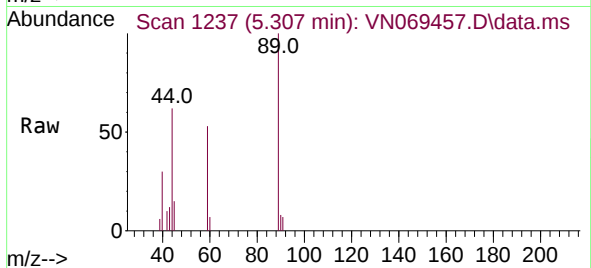
Tgt Ion: 50 Resp: 3814
Ion Ratio Lower Upper
50 100
52 43.1 25.4 38.0#



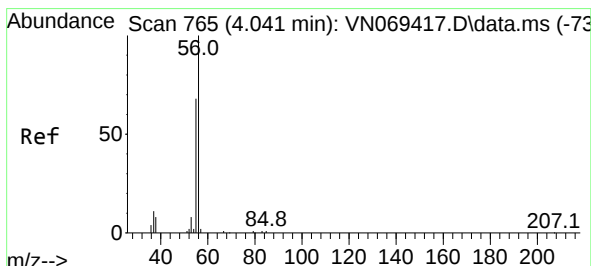
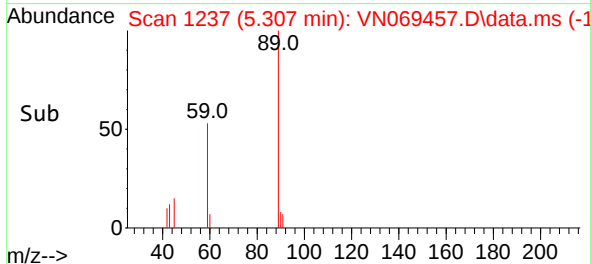
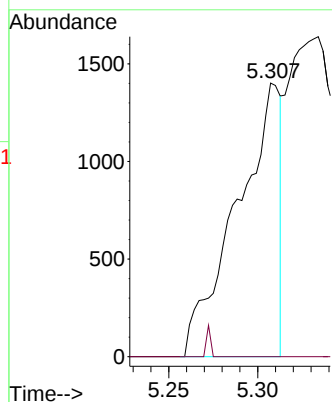


#11
Tert butyl alcohol
Concen: 0.746 ug/l
RT: 5.307 min Scan# 11
Delta R.T. -0.078 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Instrument :
MSVOA_N
ClientSampleId :

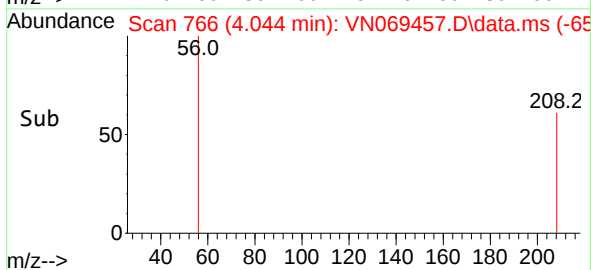
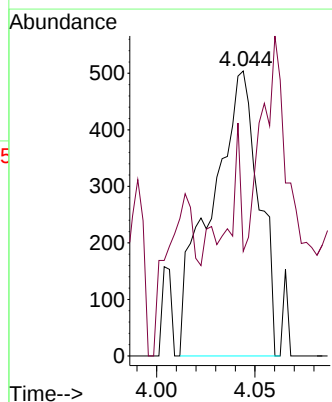
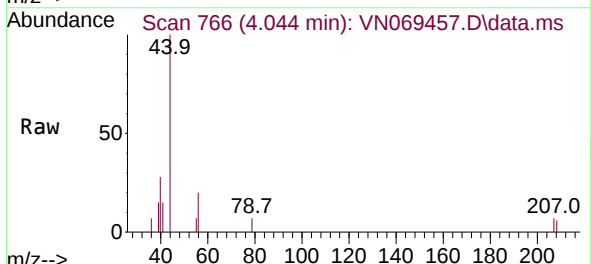


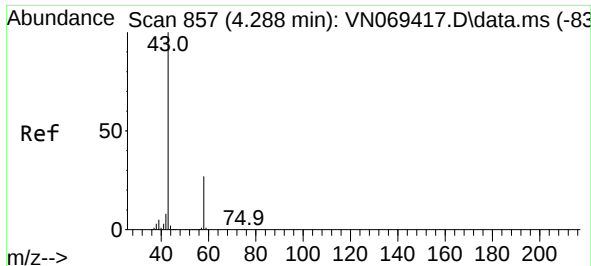
Tgt Ion: 59 Resp: 2386
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Tgt Ion: 56 Resp: 851
Ion Ratio Lower Upper
56 100
55 14.6 56.6 85.0#

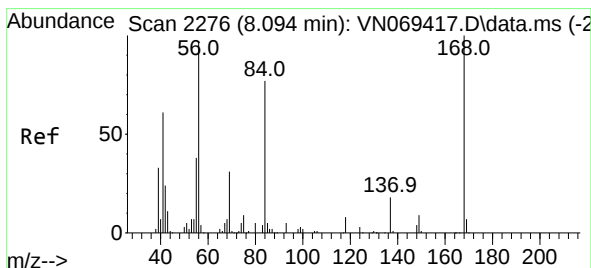
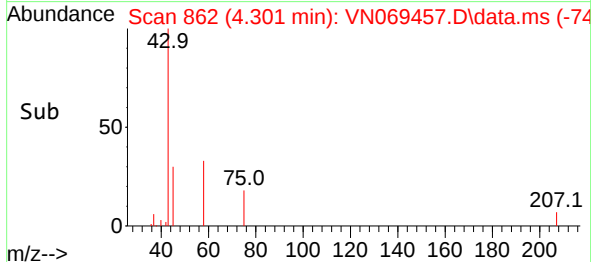
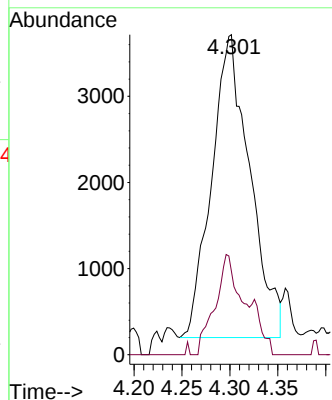
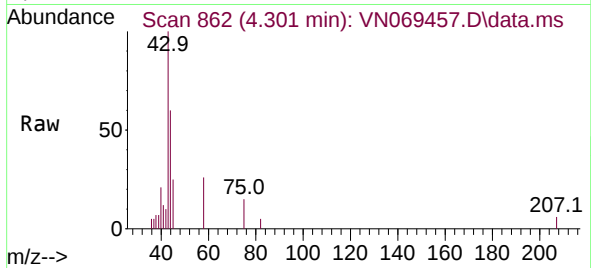




#16
Acetone
Concen: 1.018 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.013 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

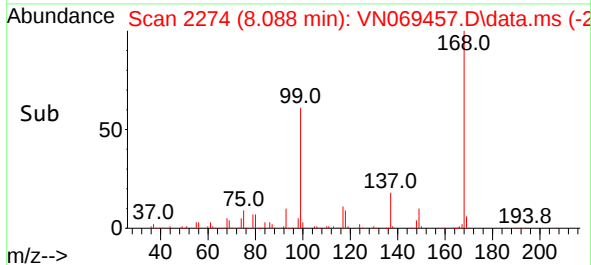
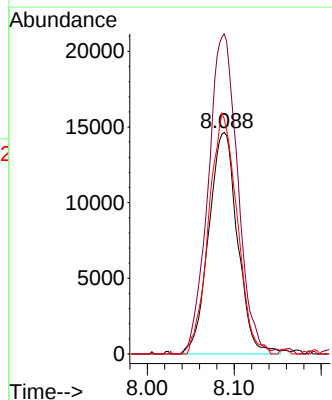
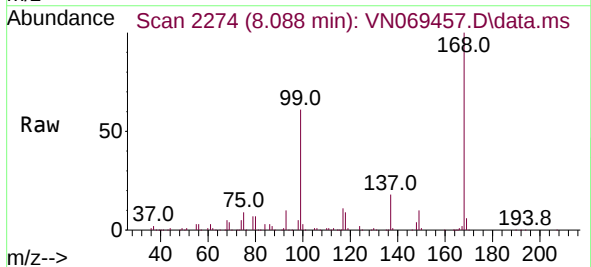
Instrument :
MSVOA_N
ClientSampleId :

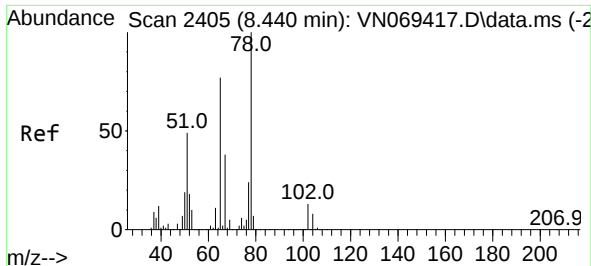
Tgt Ion: 43 Resp: 9743
Ion Ratio Lower Upper
43 100
58 27.6 23.1 34.7



#31
Cyclohexane
Concen: 1.388 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Tgt Ion: 56 Resp: 33629
Ion Ratio Lower Upper
56 100
69 144.5 27.1 40.7#
84 106.1 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 51.429 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069457.D

Acq: 11 Nov 2021 16:35

Instrument :

MSVOA_N

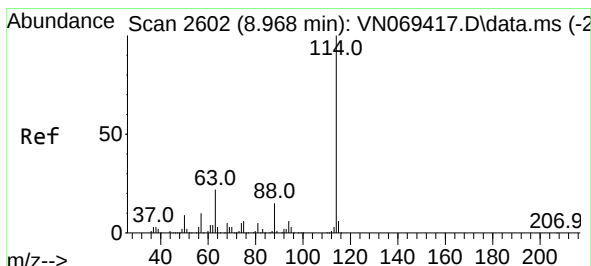
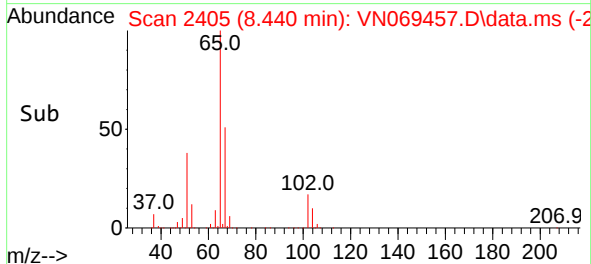
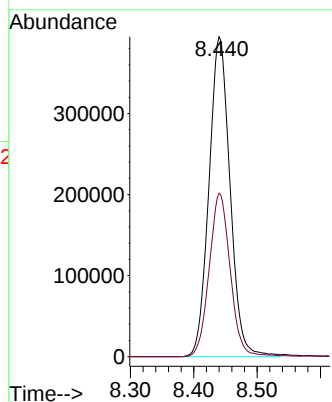
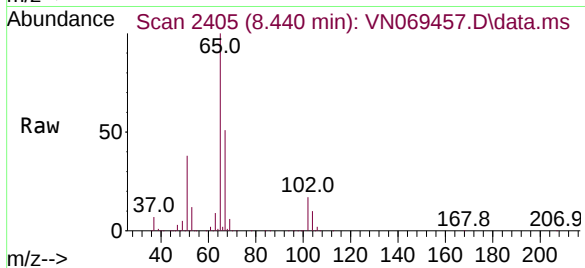
ClientSampleId :

Tgt Ion: 65 Resp: 912261

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069457.D

Acq: 11 Nov 2021 16:35

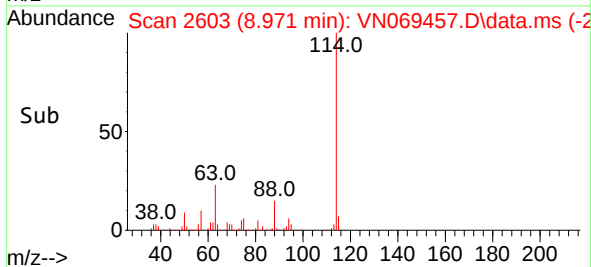
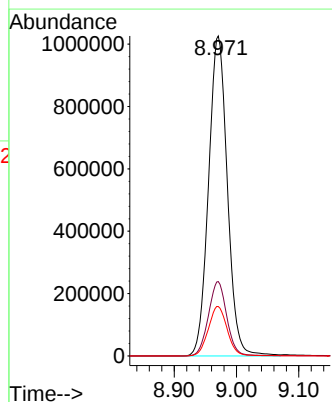
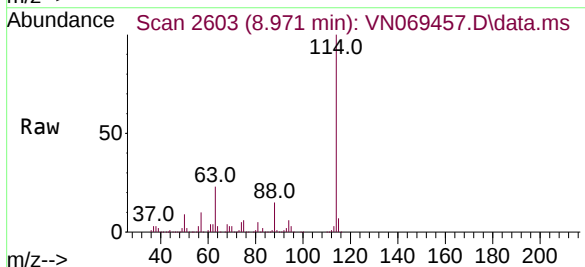
Tgt Ion: 114 Resp: 2151790

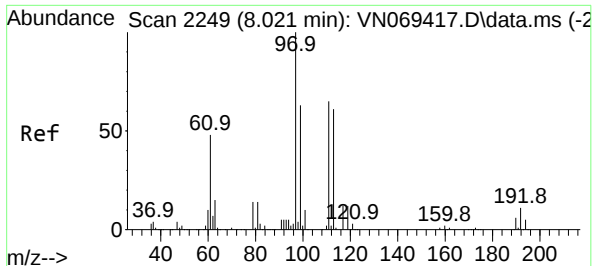
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

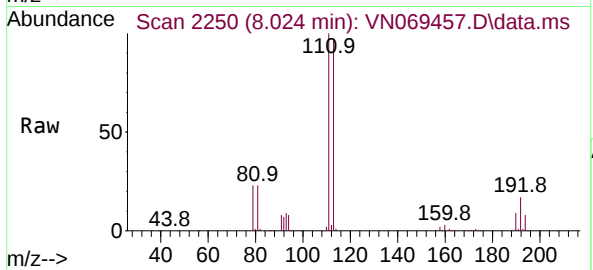
88 15.5 0.0 27.4



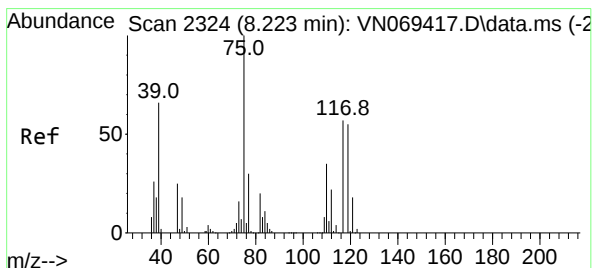
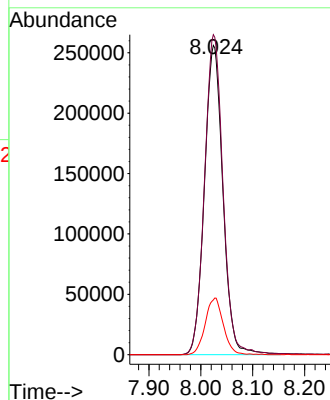
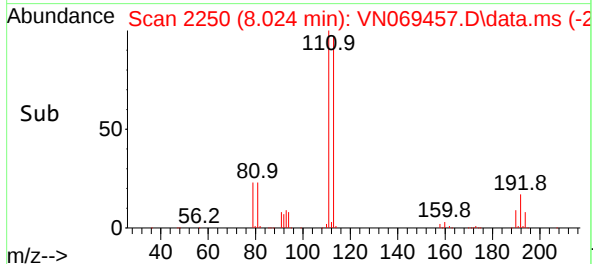


#35
Dibromofluoromethane
Concen: 49.117 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Instrument :
MSVOA_N
ClientSampleId :

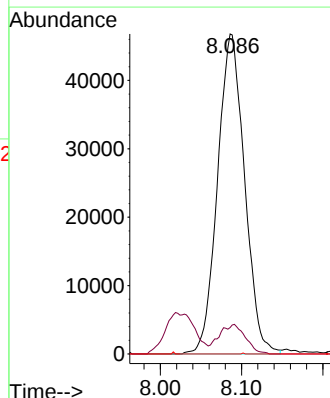
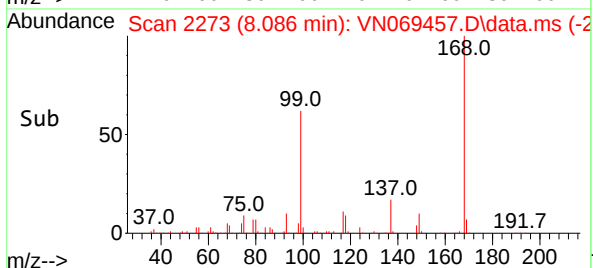
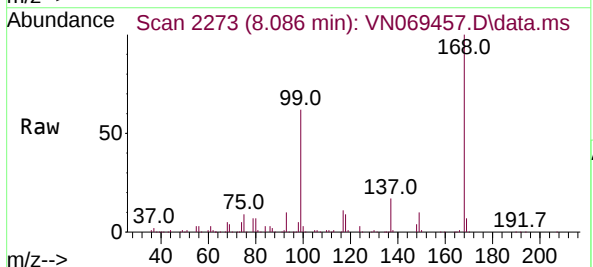


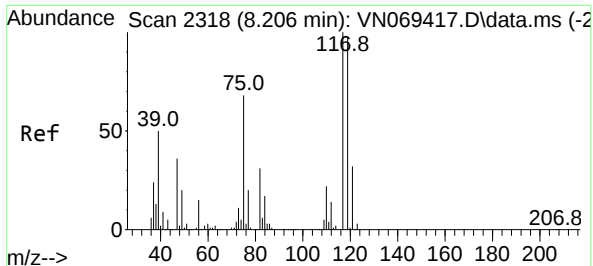
Tgt Ion:113 Resp: 633886
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 17.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.966 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

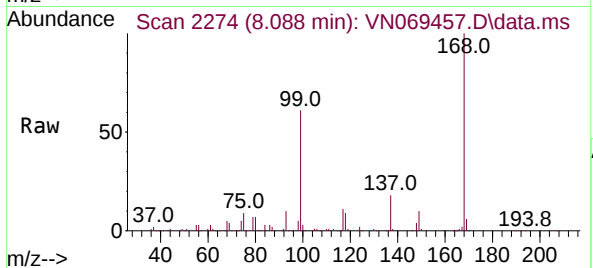
Tgt Ion: 75 Resp: 108023
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



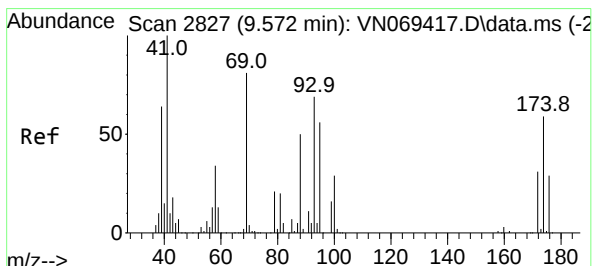
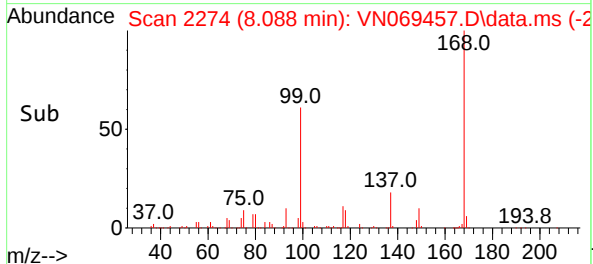
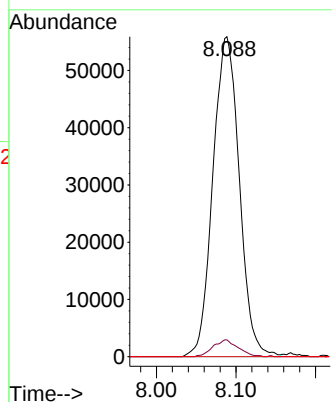


#38
Carbon Tetrachloride
Concen: 7.380 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

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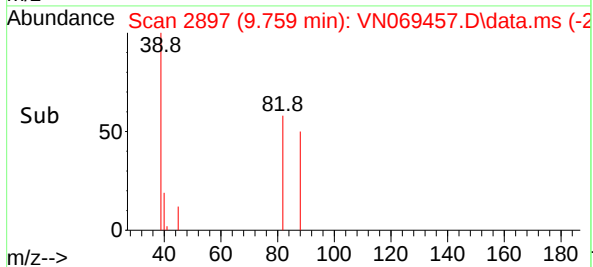
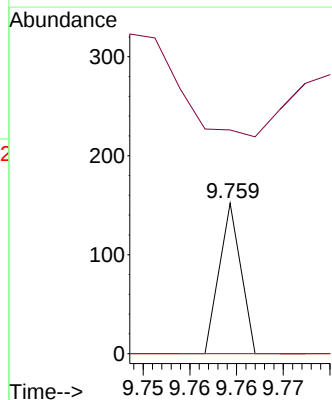
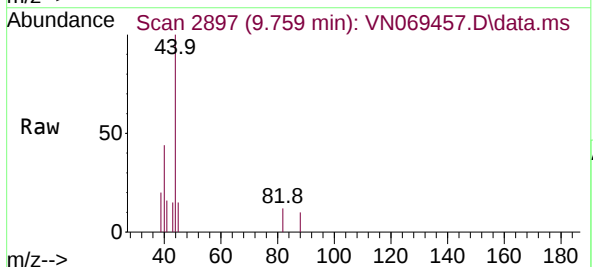


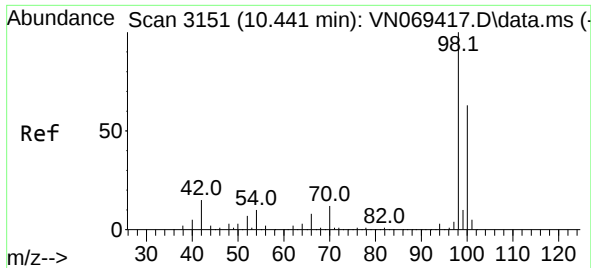
Tgt Ion:117 Resp: 128998
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 39.122 ug/l
RT: 9.759 min Scan# 2897
Delta R.T. 0.187 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 241.7 23.4 35.2#
58 0.0 50.6 75.8#

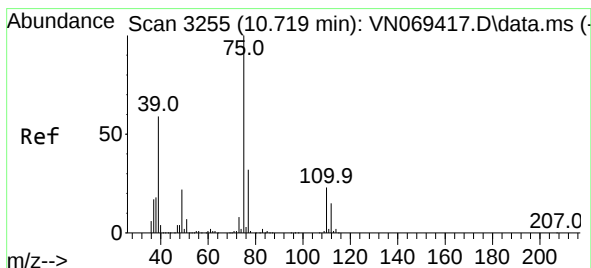
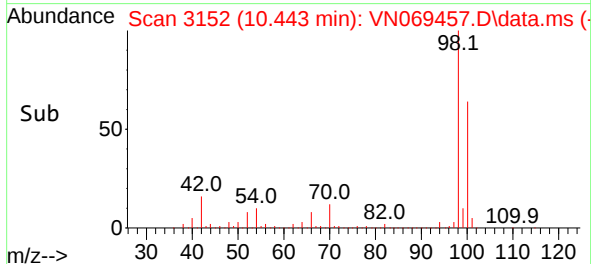
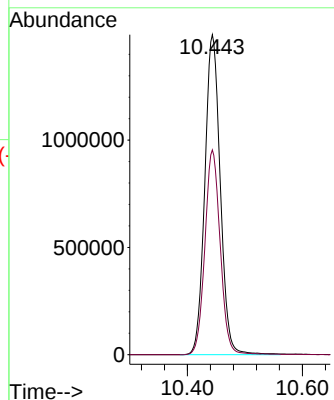
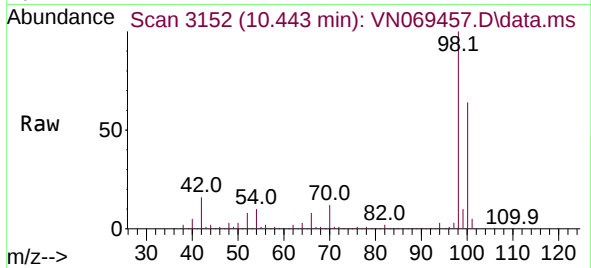




#50
Toluene-d8
Concen: 54.866 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

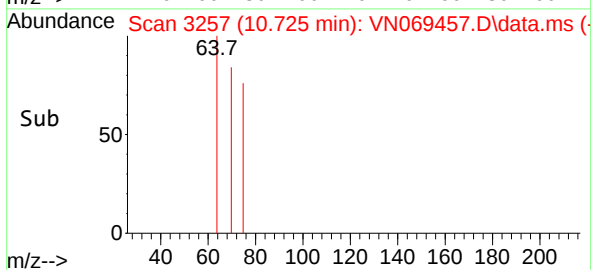
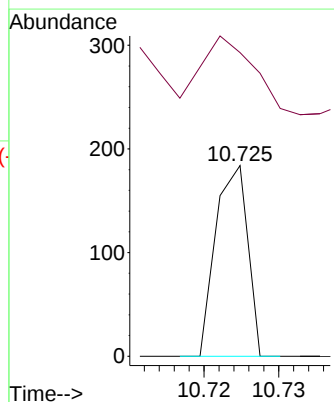
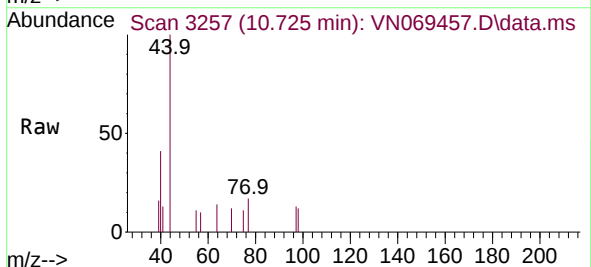
Instrument :
MSVOA_N
ClientSampleId :

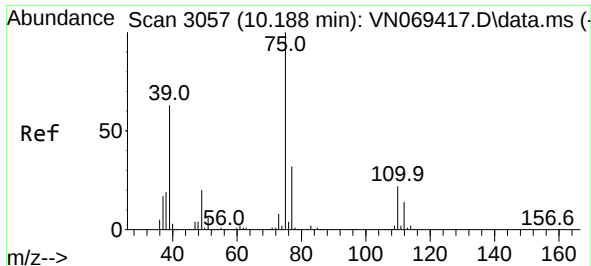
Tgt Ion: 98 Resp: 2784845
Ion Ratio Lower Upper
98 100
100 63.2 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.640 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

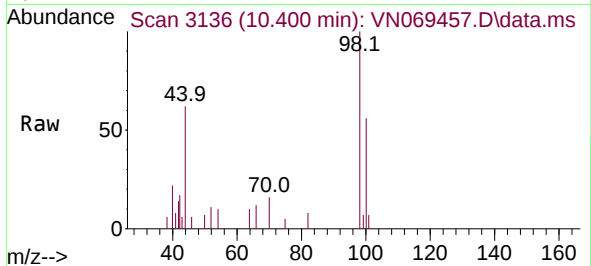
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 29.3 25.6 38.4



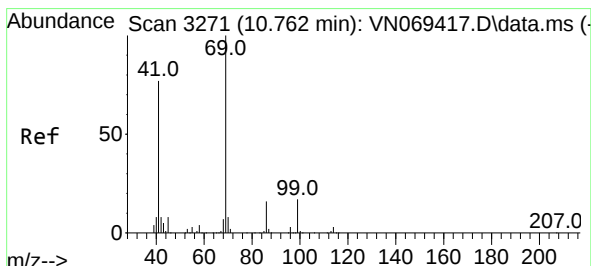
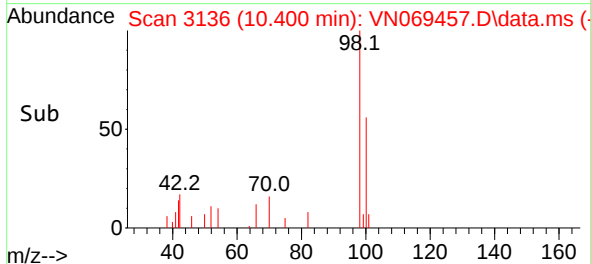
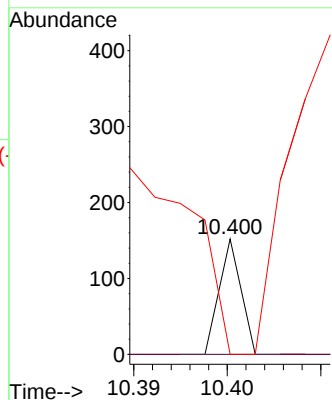


#54
 cis-1,3-Dichloropropene
 Concen: 1.734 ug/l
 RT: 10.400 min Scan# 3136
 Delta R.T. 0.212 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

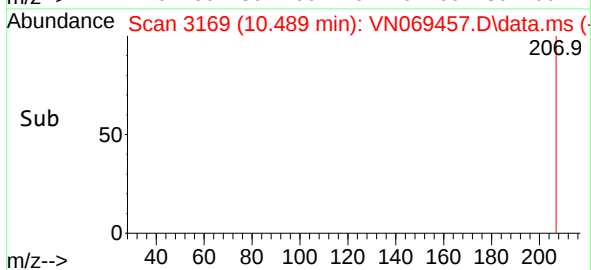
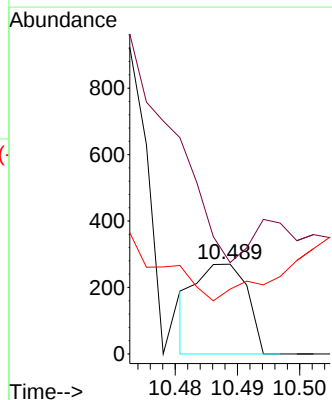
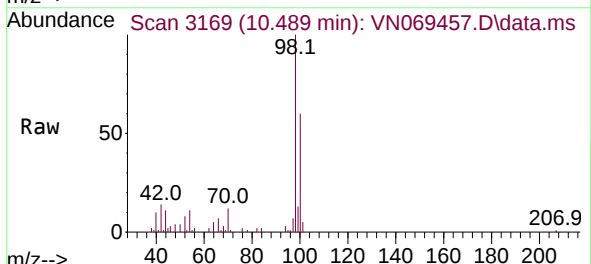


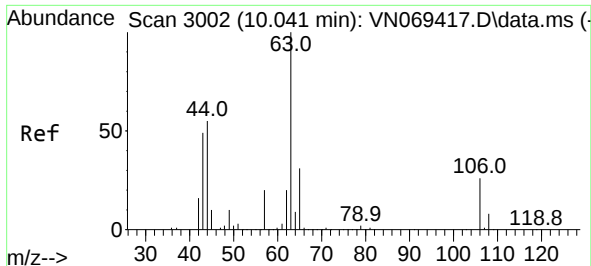
Tgt Ion: 75 Resp: 24
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.4 39.6#
 39 0.0 42.5 63.7#



#56
 Ethyl methacrylate
 Concen: 2.058 ug/l
 RT: 10.489 min Scan# 3169
 Delta R.T. -0.273 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

Tgt Ion: 69 Resp: 154
 Ion Ratio Lower Upper
 69 100
 41 139.0 51.4 77.0#
 39 0.0 34.6 52.0#

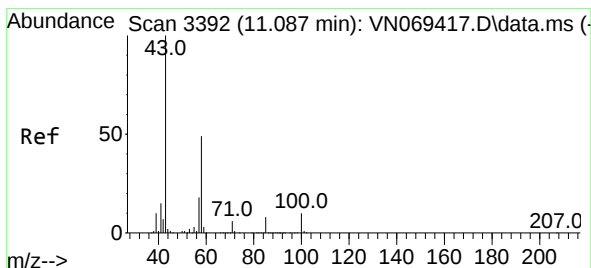
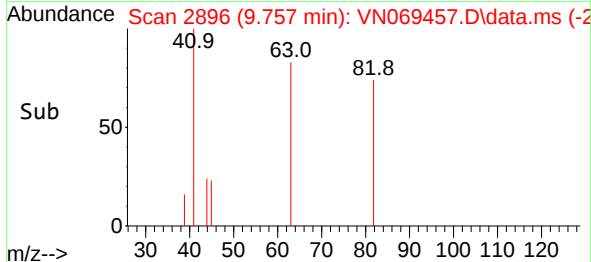
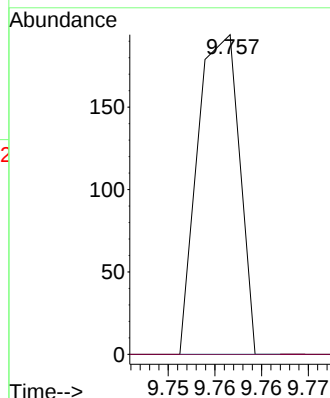
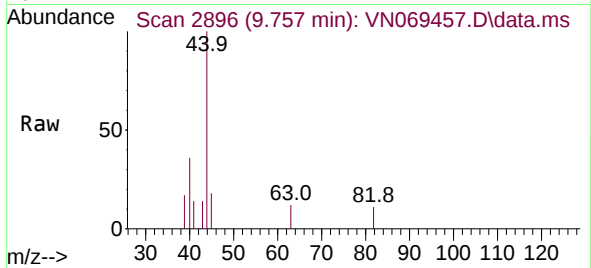




#58
2-Chloroethyl Vinyl ether
Concen: 22.778 ug/l
RT: 9.757 min Scan# 21
Delta R.T. -0.284 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

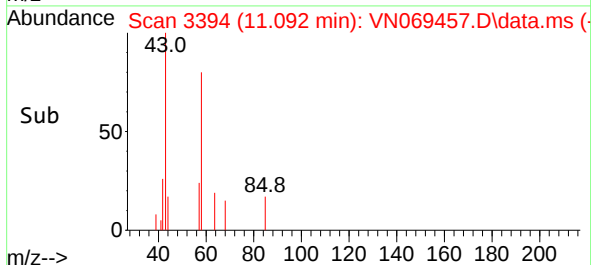
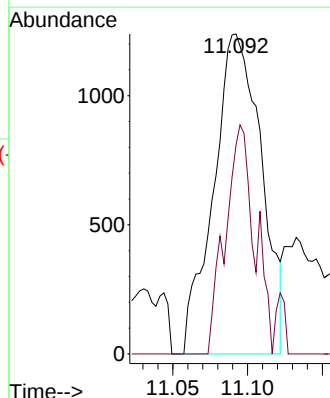
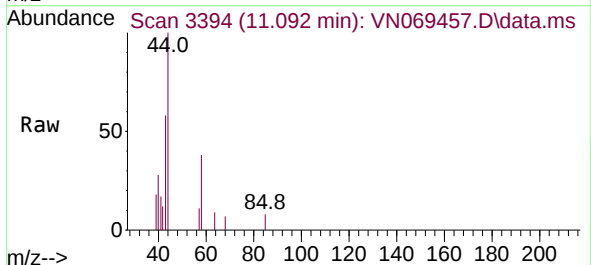
Instrument :
MSVOA_N
ClientSampleId :

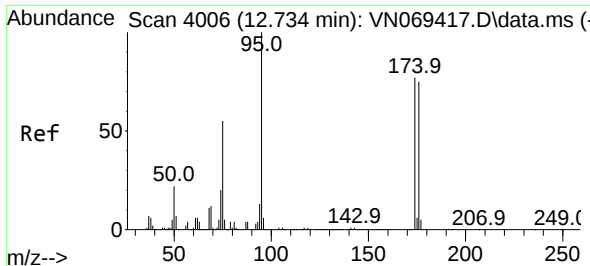
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 8.066 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Tgt Ion: 43 Resp: 2757
Ion Ratio Lower Upper
43 100
58 37.8 26.9 80.7

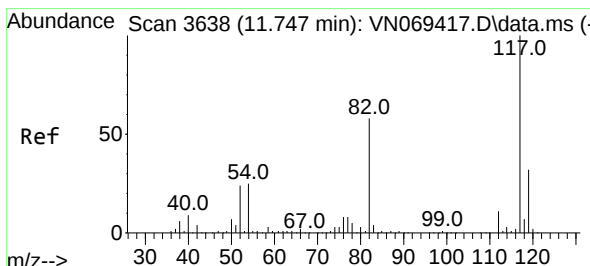
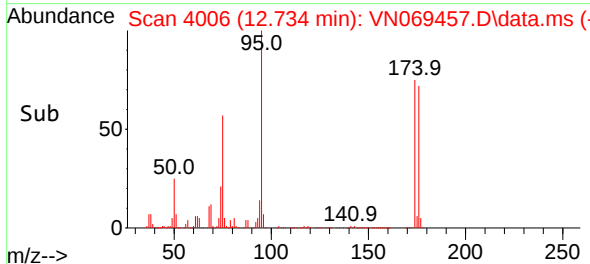
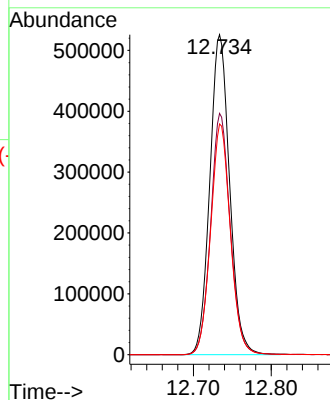
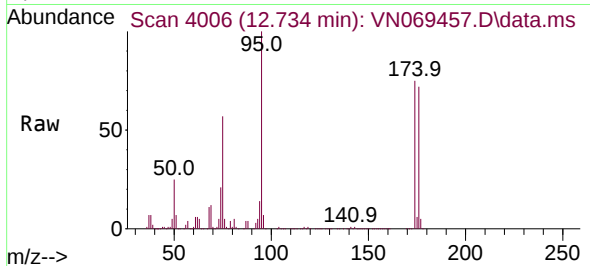




#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

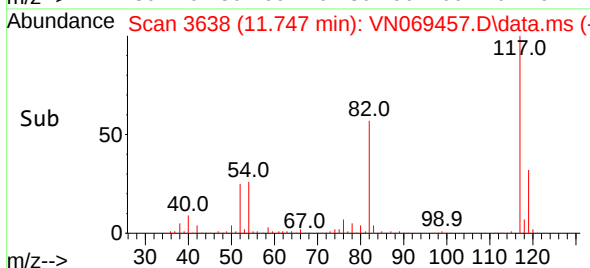
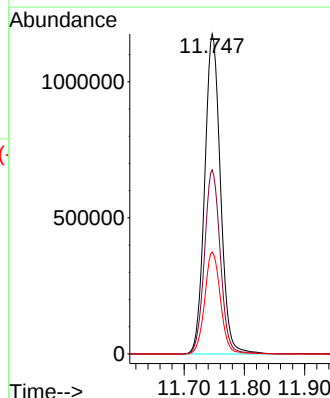
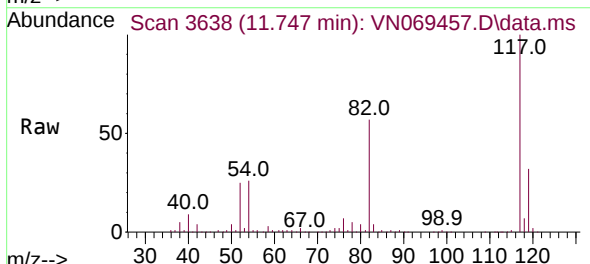
Instrument :
MSVOA_N
ClientSampleId :

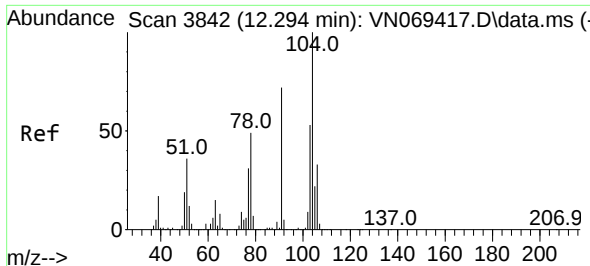
Tgt Ion: 95 Resp: 927399
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

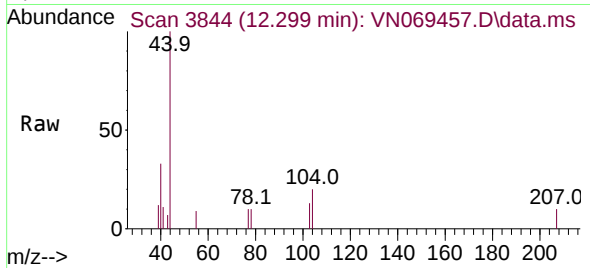
Tgt Ion: 117 Resp: 2136375
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 31.9 25.4 38.2



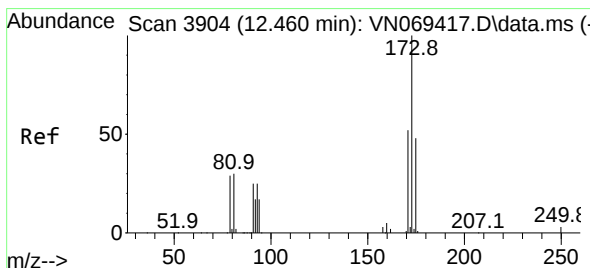
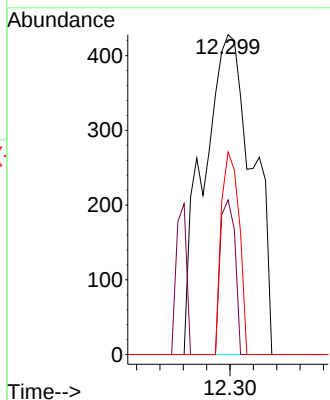
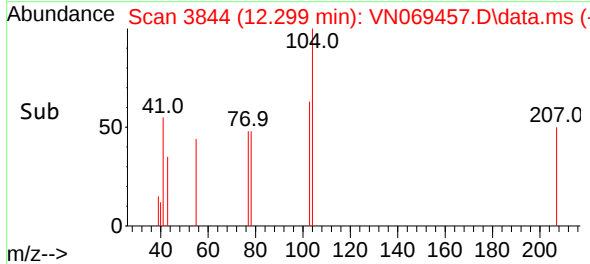


#70
Styrene
Concen: 1.533 ug/l
RT: 12.299 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Instrument :
MSVOA_N
ClientSampleId :

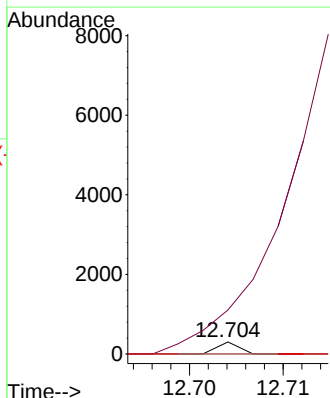
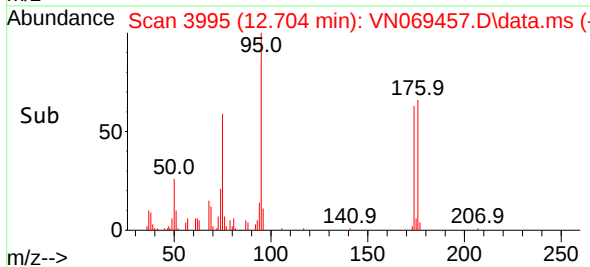
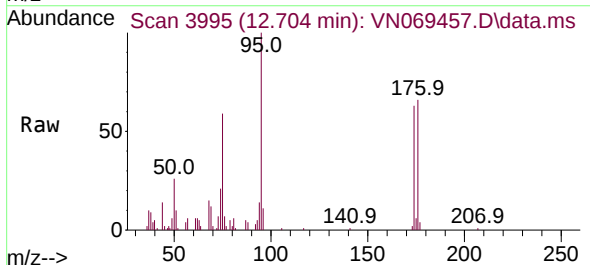


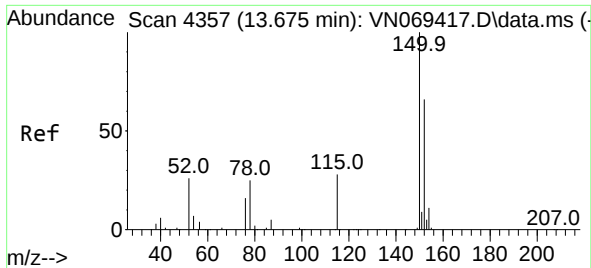
Tgt Ion:104 Resp: 627
Ion Ratio Lower Upper
104 100
78 14.4 38.7 58.1#
103 22.8 45.0 67.6#



#71
Bromoform
Concen: 3.432 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

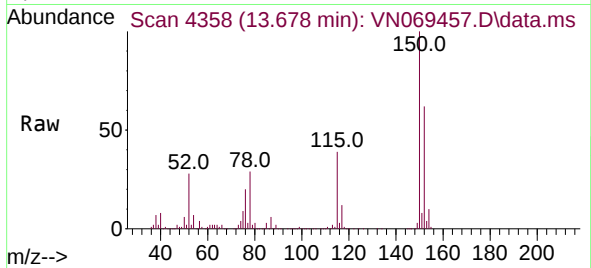
Tgt Ion:173 Resp: 49
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



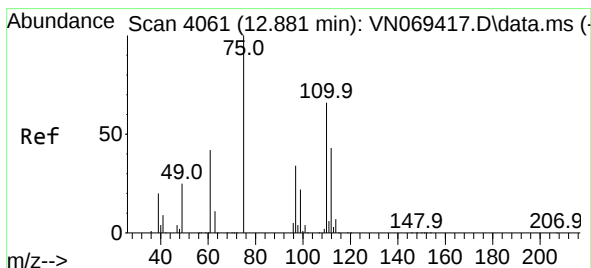
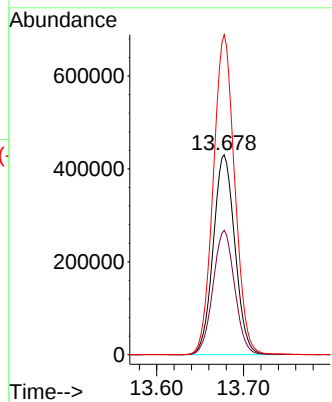
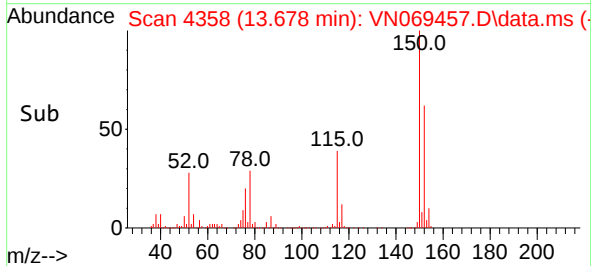


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

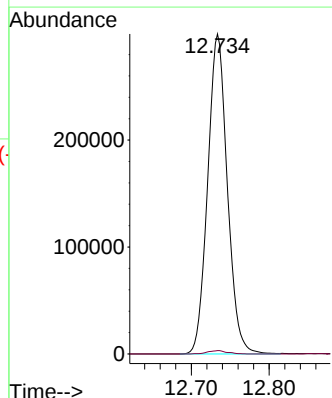
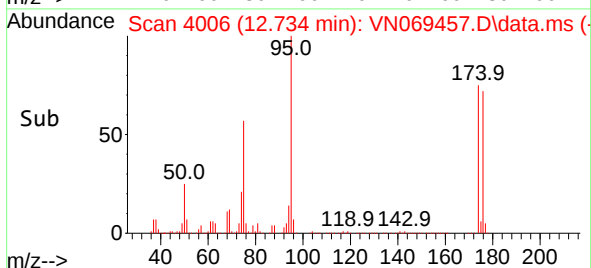
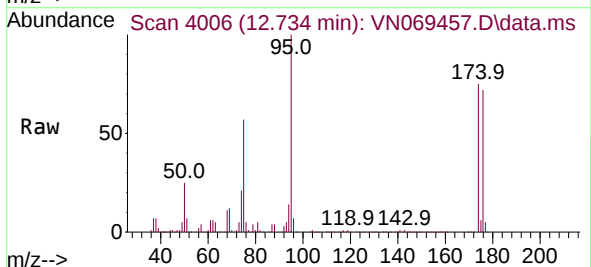


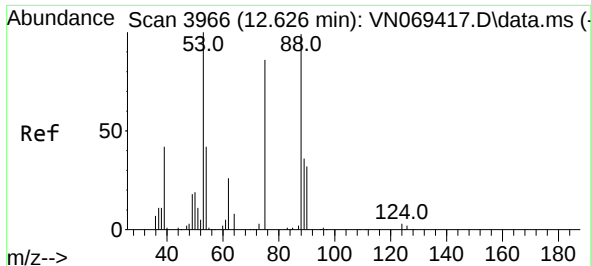
Tgt Ion:152 Resp: 745878
 Ion Ratio Lower Upper
 152 100
 115 62.3 27.5 82.5
 150 158.7 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 30.482 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

Tgt Ion: 75 Resp: 524687
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

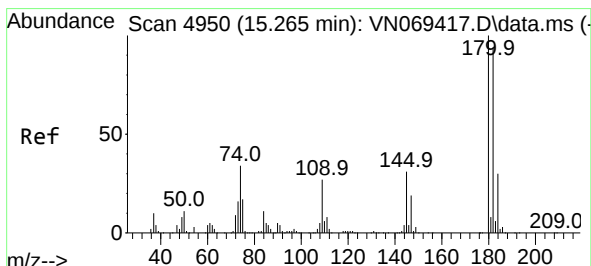
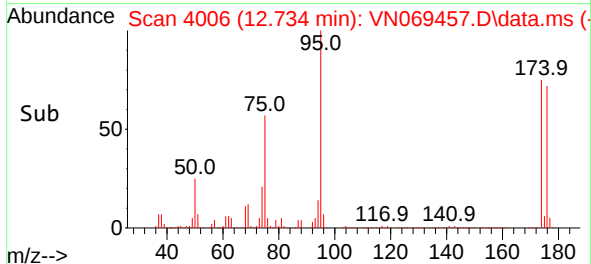
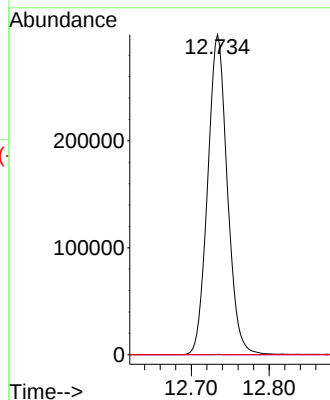
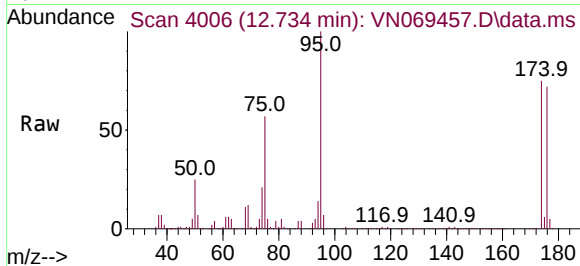




#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.019 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.108 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

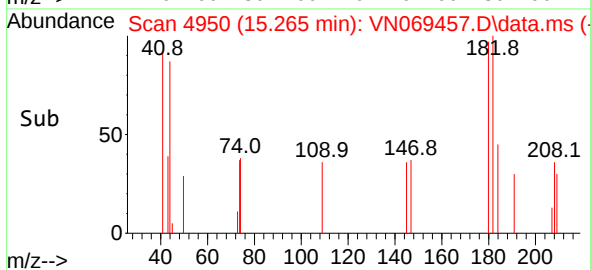
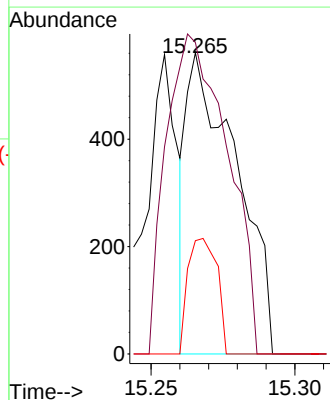
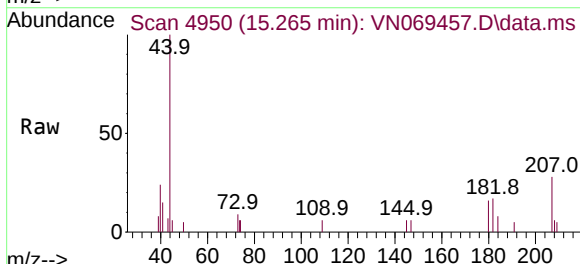
Instrument :
 MSVOA_N
 ClientSampleId :

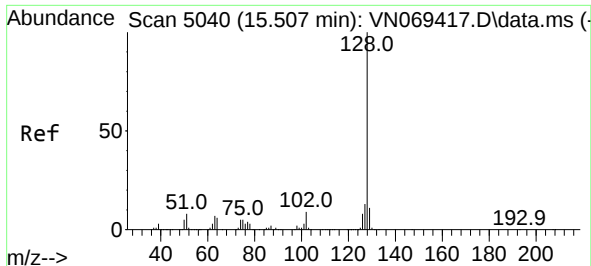
Tgt Ion: 75 Resp: 524687
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.168 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN069457.D
 Acq: 11 Nov 2021 16:35

Tgt Ion:180 Resp: 678
 Ion Ratio Lower Upper
 180 100
 182 130.4 48.3 144.9
 145 22.3 14.5 43.5

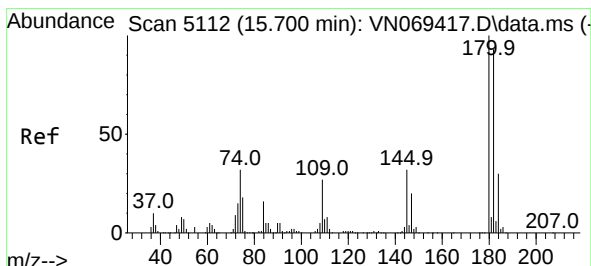
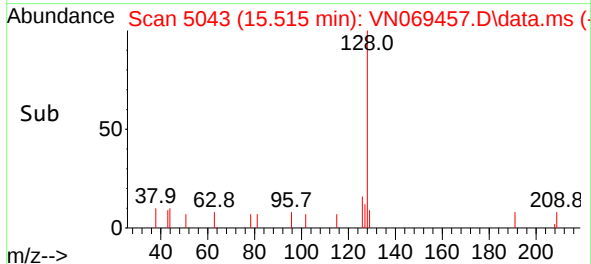
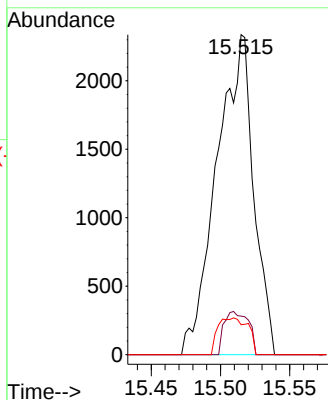
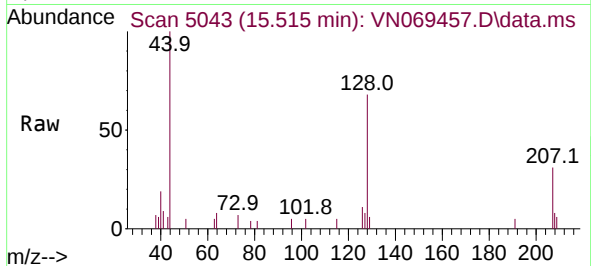




#95
Naphthalene
Concen: 4.570 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4318
Ion Ratio Lower Upper
128 100
127 8.9 10.5 15.7#
129 9.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.256 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN069457.D
Acq: 11 Nov 2021 16:35

Tgt Ion:180 Resp: 1042
Ion Ratio Lower Upper
180 100
182 81.9 47.4 142.2
145 12.9 15.0 45.1#

