

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110221\
 Data File : VN069344.D
 Acq On : 2 Nov 2021 13:25
 Operator : JC/MD
 Sample : M4438-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 03 00:47:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

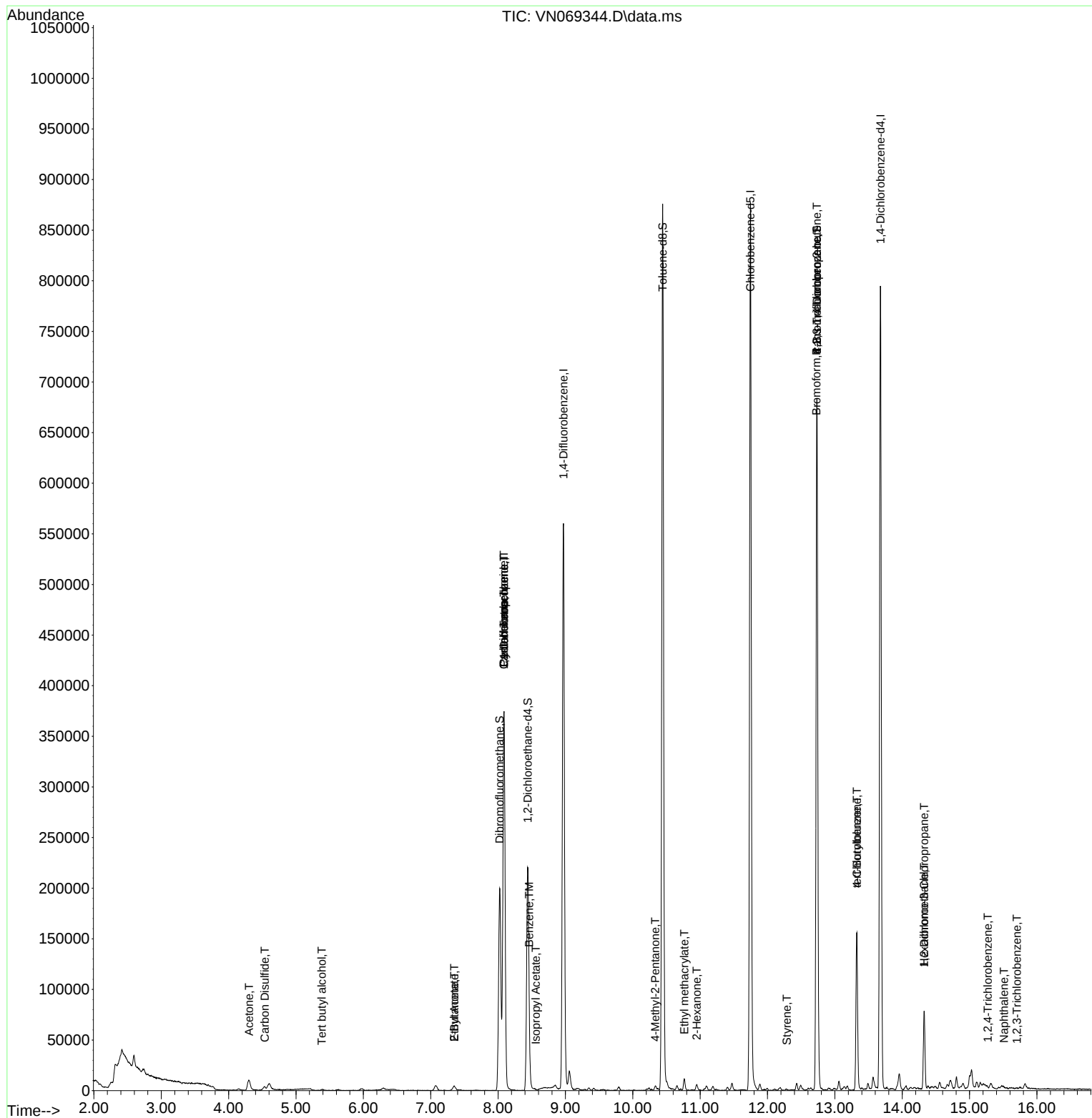
Internal Standards						
1) Pentafluorobenzene	8.088	168	279258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	505479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	516417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	214425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	194716	48.302	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.600%		
35) Dibromofluoromethane	8.024	113	148193	47.031	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.060%		
50) Toluene-d8	10.443	98	634336	50.350	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.700%		
62) 4-Bromofluorobenzene	12.733	95	248280	52.224	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.440%		
Target Compounds						Qvalue
3) Chloromethane	2.311	50	1192	Below Cal	#	42
11) Tert butyl alcohol	5.382	59	843	14.425	ug/l #	72
16) Acetone	4.301	43	20717	12.062	ug/l	96
17) Carbon Disulfide	4.537	76	9183	1.373	ug/l	98
25) 2-Butanone	7.351	43	7023	4.285	ug/l	98
31) Cyclohexane	8.088	56	6658	1.234	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	23113	5.304	ug/l #	50
37) Ethyl Acetate	7.351	43	7023	1.414	ug/l #	68
38) Carbon Tetrachloride	8.086	117	29175	6.778	ug/l #	15
40) Benzene	8.461	78	6356	0.485	ug/l	95
43) Isopropyl Acetate	8.560	43	78	0.468	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	3200	6.955	ug/l	100
56) Ethyl methacrylate	10.765	69	6065	2.609	ug/l	89
59) 2-Hexanone	10.950	43	4469	9.004	ug/l	70
70) Styrene	12.288	104	117	1.465	ug/l #	24
71) Bromoform	12.728	173	583	3.045	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	133198	23.618	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	133198	67.881	ug/l #	12
82) 4-Chlorotoluene	13.326	91	53550	4.226	ug/l #	42
83) tert-Butylbenzene	13.326	119	76064	5.826	ug/l	98
90) Hexachloroethane	14.326	117	2140	2.750	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.324	75	305	1.906	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	449	2.610	ug/l #	72
95) Naphthalene	15.509	128	2638	3.538	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.702	180	387	2.316	ug/l #	77

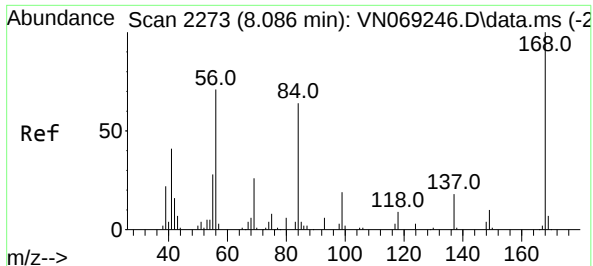
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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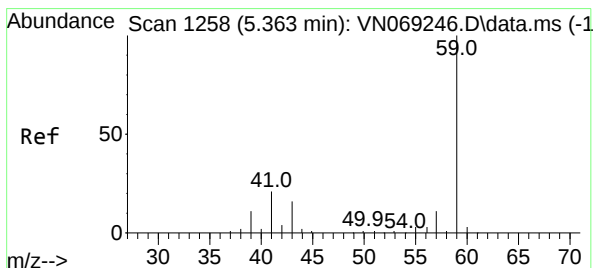
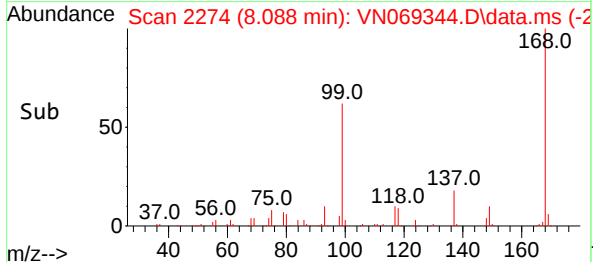
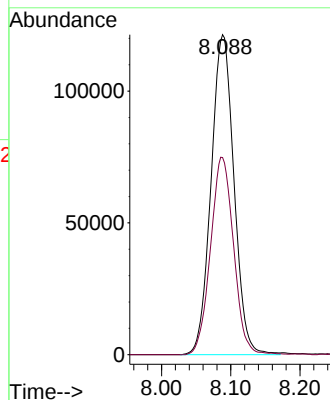
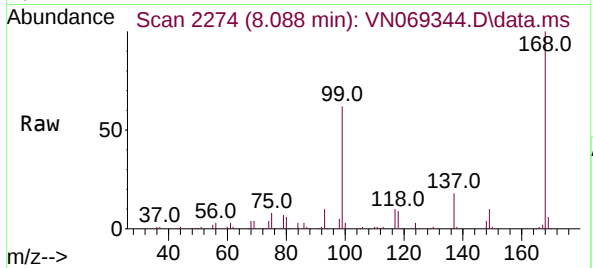




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

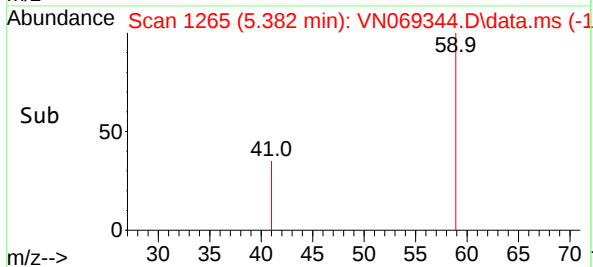
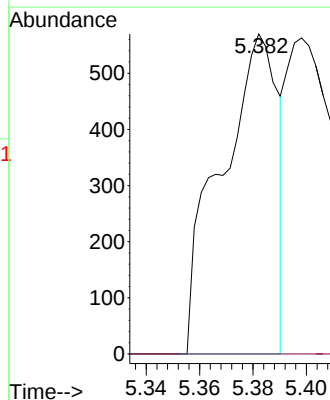
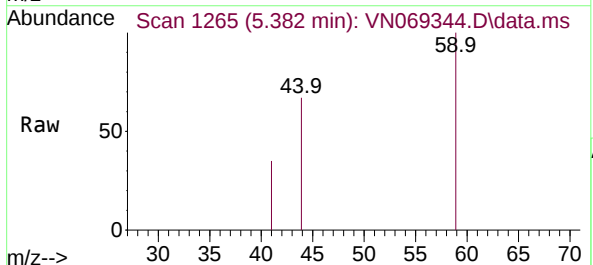
Instrument :
MSVOA_N
ClientSampleId :

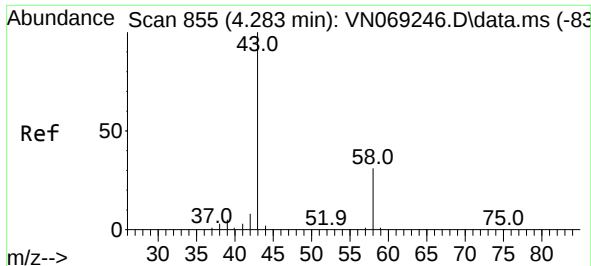
Tgt Ion:168 Resp: 279258
Ion Ratio Lower Upper
168 100
99 61.6 48.9 73.3



#11
Tert butyl alcohol
Concen: 14.425 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. 0.019 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

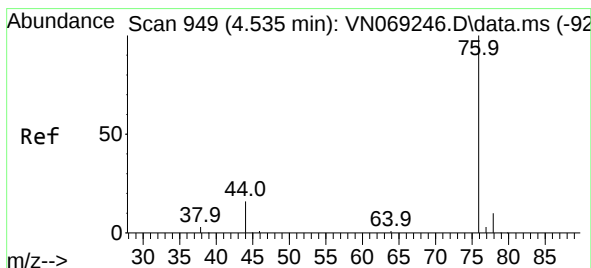
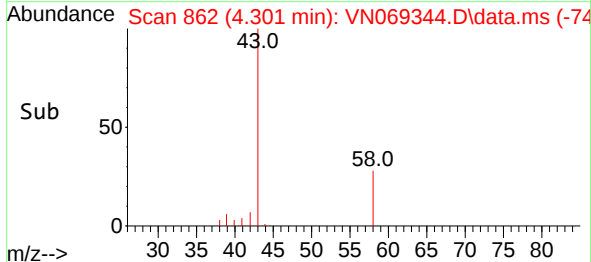
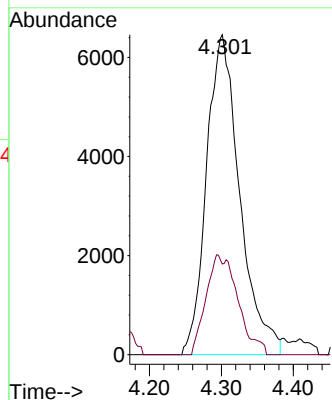
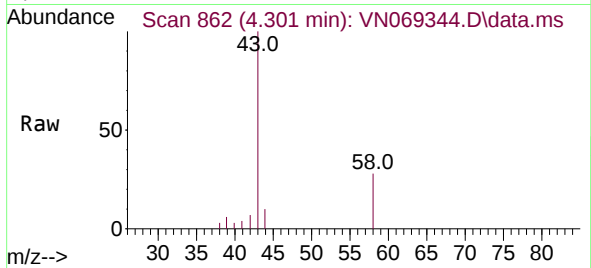




#16
Acetone
Concen: 12.062 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.018 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

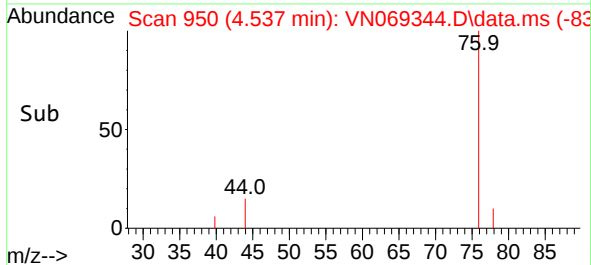
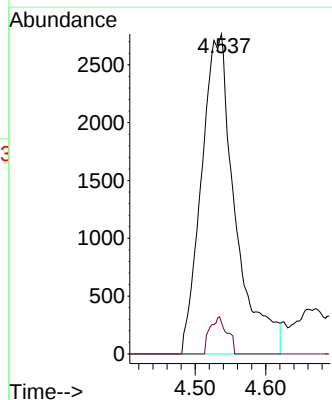
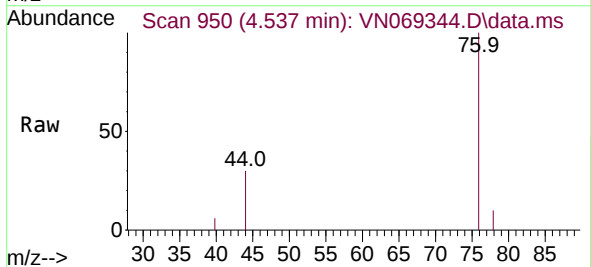
Instrument :
MSVOA_N
ClientSampleId :

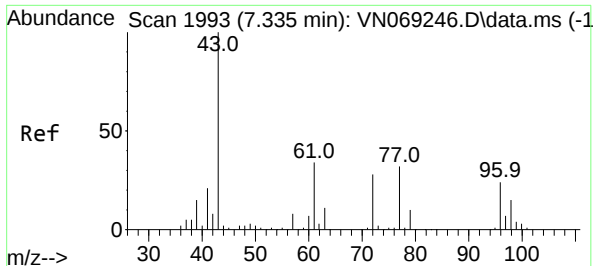
Tgt Ion: 43 Resp: 20717
Ion Ratio Lower Upper
43 100
58 28.3 24.5 36.7



#17
Carbon Disulfide
Concen: 1.373 ug/l
RT: 4.537 min Scan# 950
Delta R.T. 0.002 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion: 76 Resp: 9183
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8

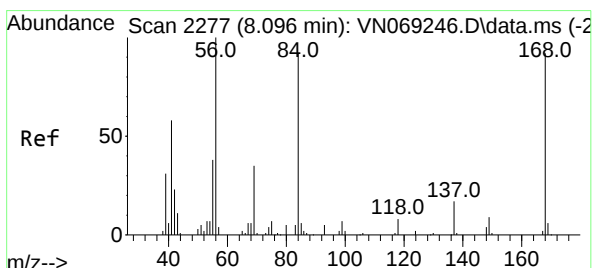
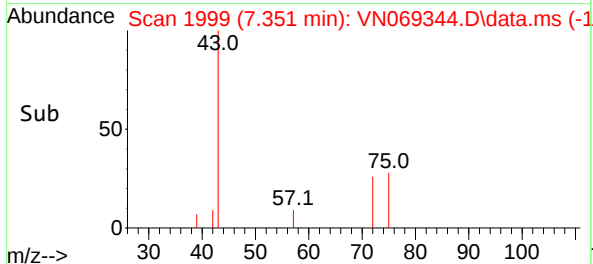
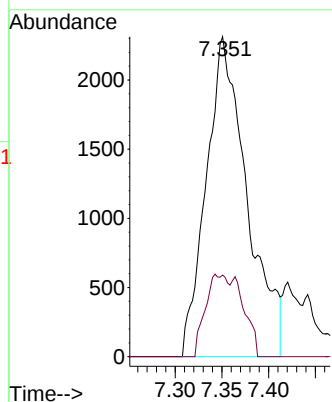
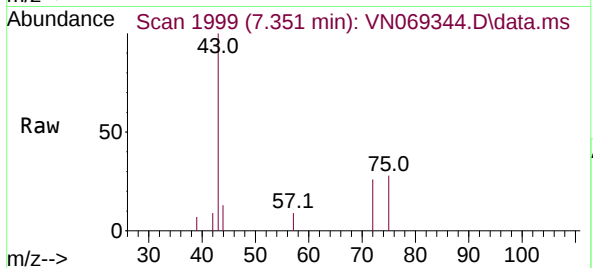




#25
2-Butanone
Concen: 4.285 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.016 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

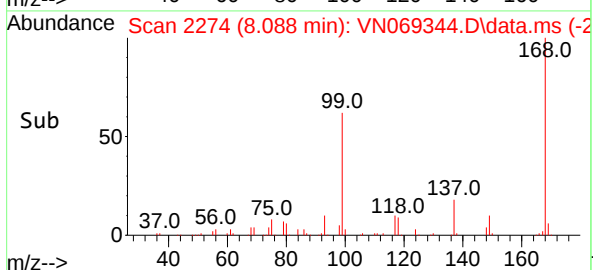
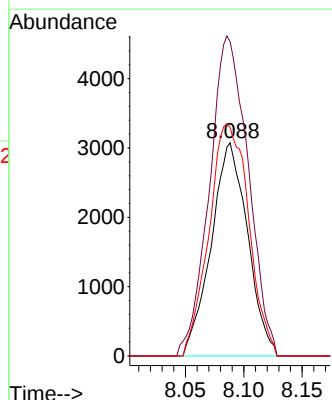
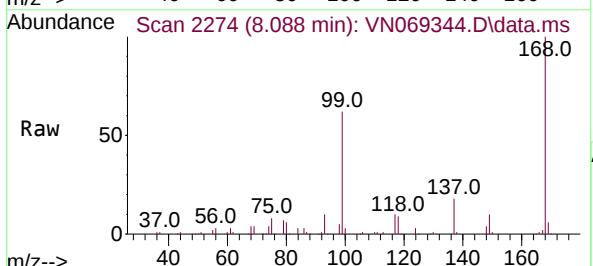
Instrument :
MSVOA_N
ClientSampleId :

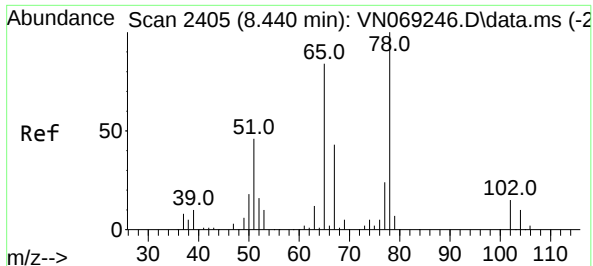
Tgt Ion: 43 Resp: 7023
Ion Ratio Lower Upper
43 100
72 25.5 21.2 31.8



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion: 56 Resp: 6658
Ion Ratio Lower Upper
56 100
69 147.4 26.9 40.3#
84 107.1 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.302 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069344.D

Acq: 2 Nov 2021 13:25

Instrument :

MSVOA_N

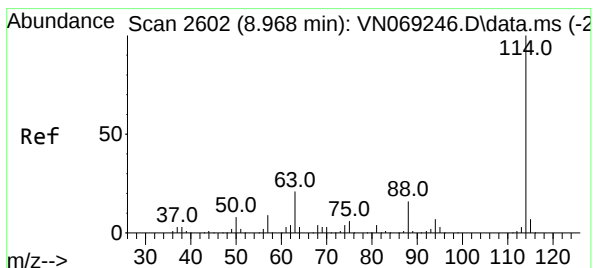
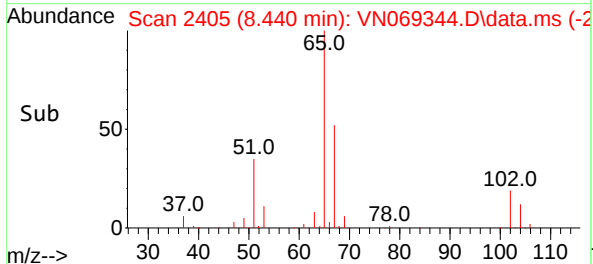
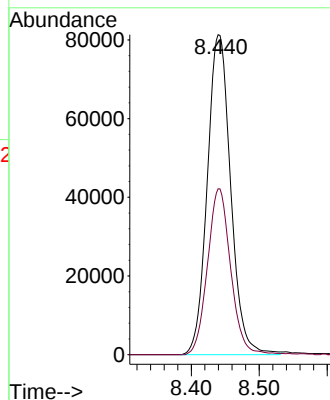
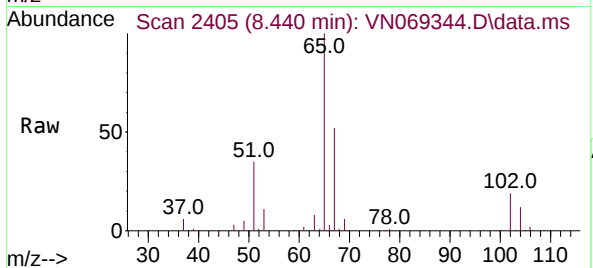
ClientSampleId :

Tgt Ion: 65 Resp: 194716

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069344.D

Acq: 2 Nov 2021 13:25

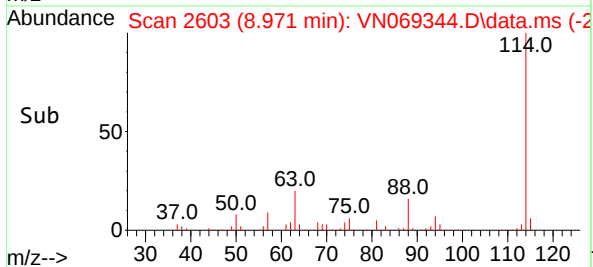
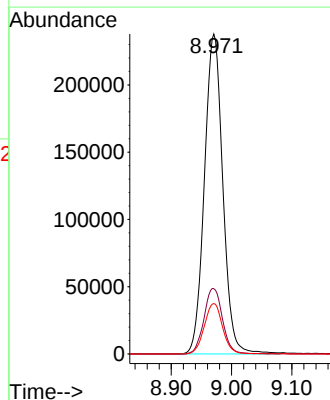
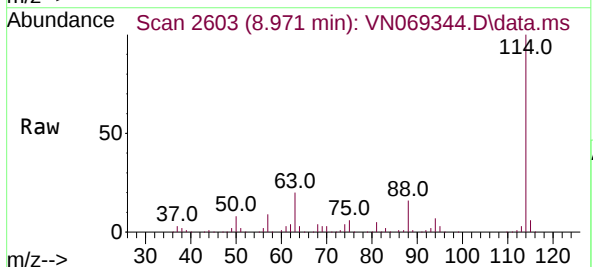
Tgt Ion: 114 Resp: 505479

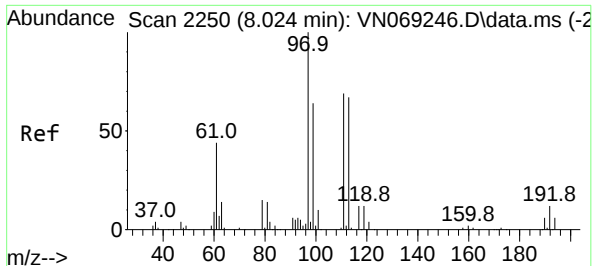
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

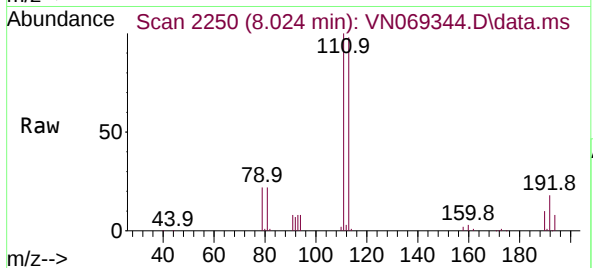
88 15.7 0.0 32.0



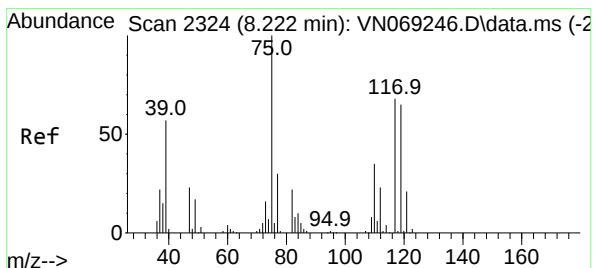
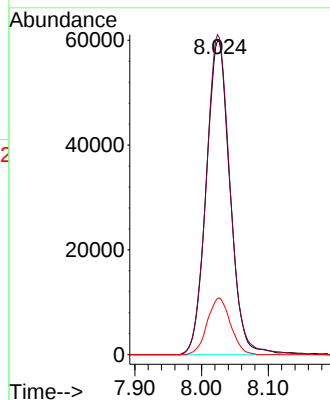
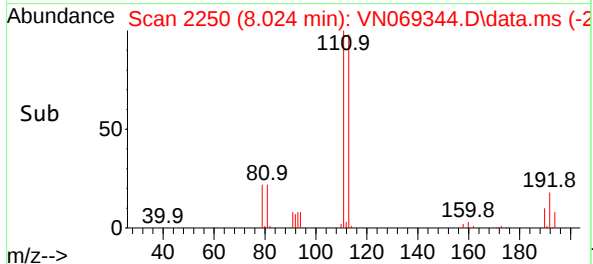


#35
 Dibromofluoromethane
 Concen: 47.031 ug/l
 RT: 8.024 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

Instrument :
 MSVOA_N
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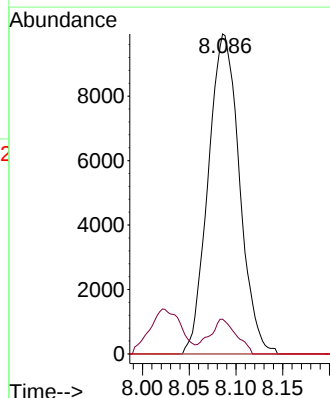
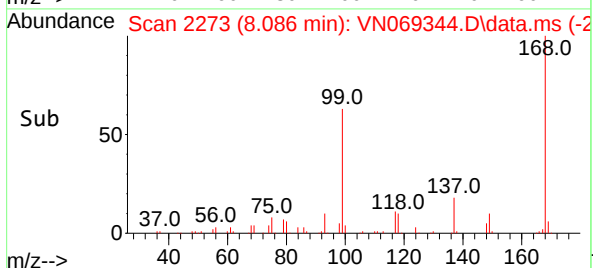
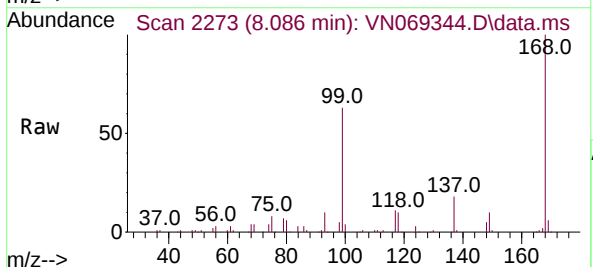


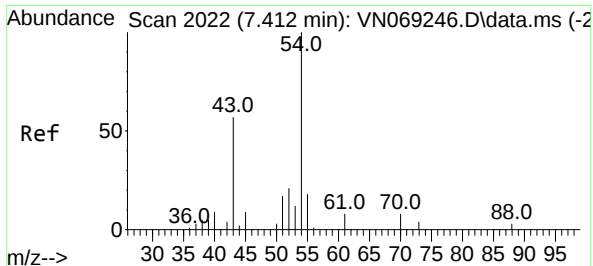
Tgt Ion:113 Resp: 148193
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.2 124.8
 192 17.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 5.304 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

Tgt Ion: 75 Resp: 23113
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.9 53.8#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.414 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. -0.061 min

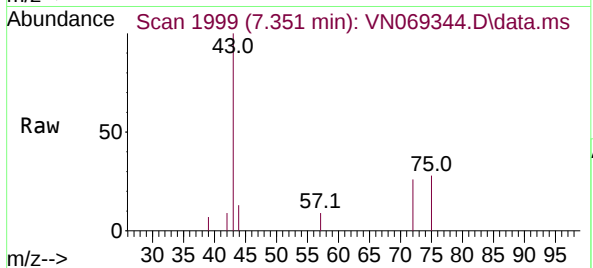
Lab File: VN069344.D

Acq: 2 Nov 2021 13:25

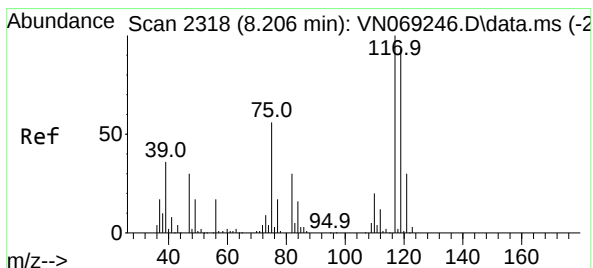
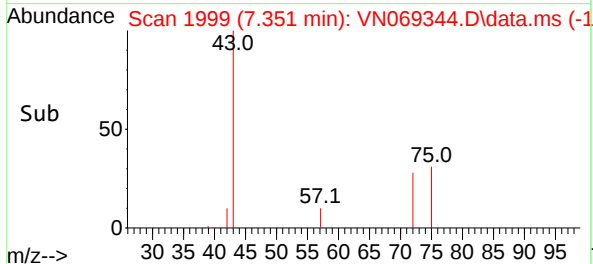
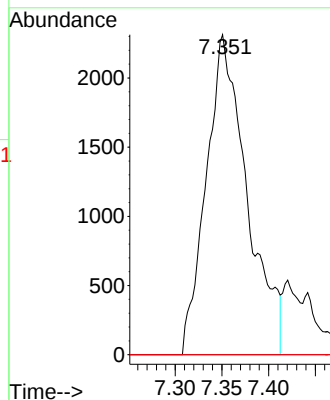
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Tgt Ion:	43	Resp:	7023
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 6.778 ug/l

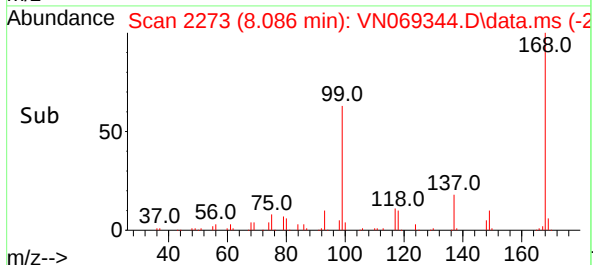
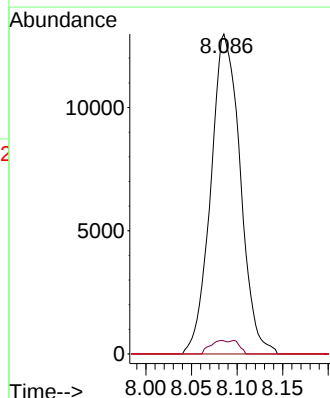
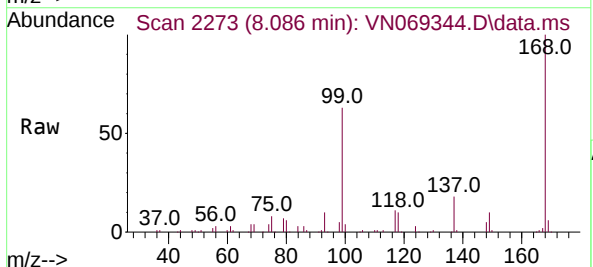
RT: 8.086 min Scan# 2273

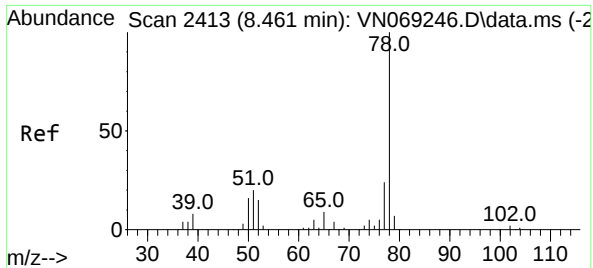
Delta R.T. -0.120 min

Lab File: VN069344.D

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Tgt Ion:	117	Resp:	29175
Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.9	115.3#
121	0.0	24.6	37.0#

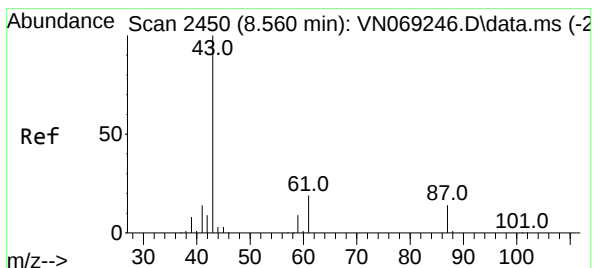
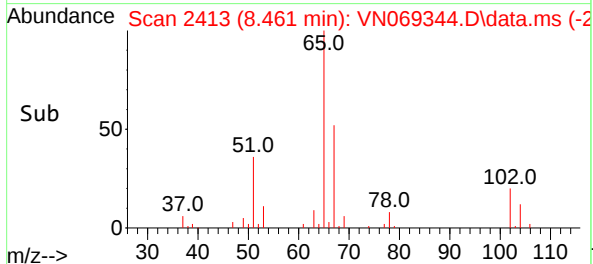
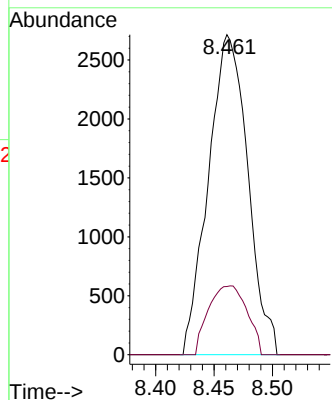
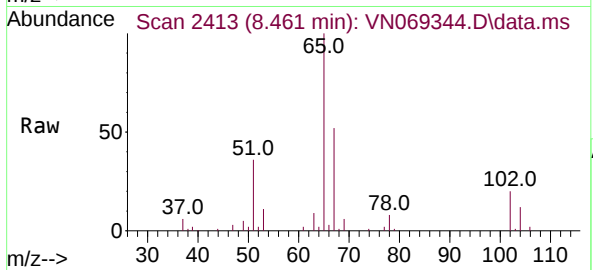




#40
Benzene
Concen: 0.485 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

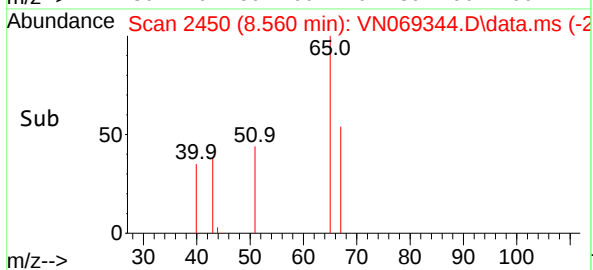
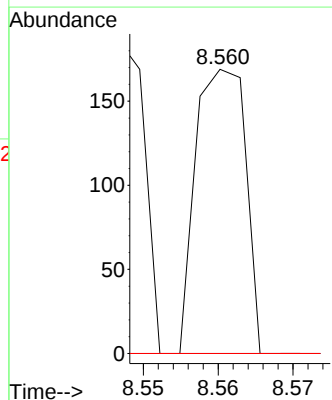
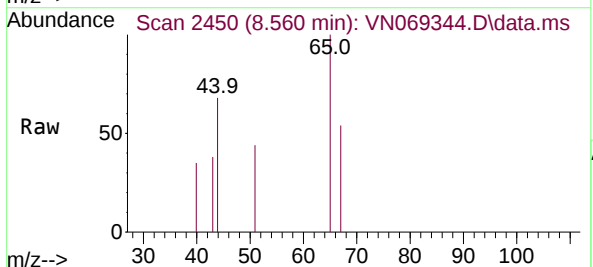
Instrument :
MSVOA_N
ClientSampleId :

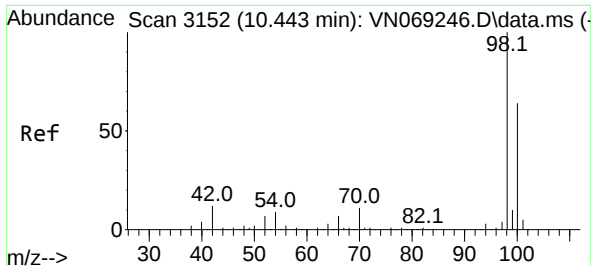
Tgt Ion: 78 Resp: 6356
Ion Ratio Lower Upper
78 100
77 21.3 19.1 28.7



#43
Isopropyl Acetate
Concen: 0.468 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

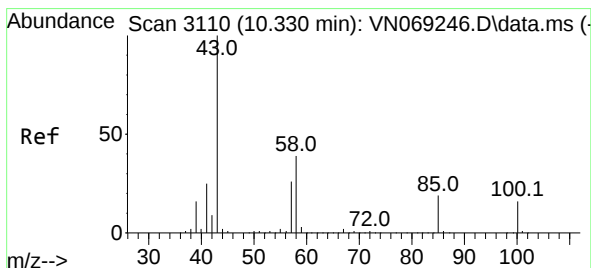
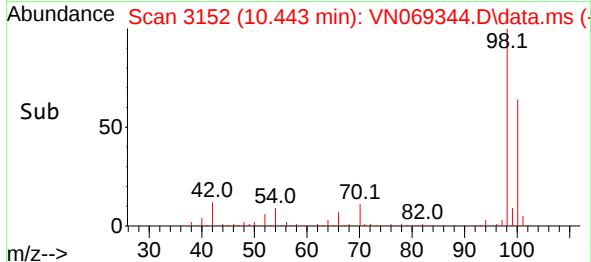
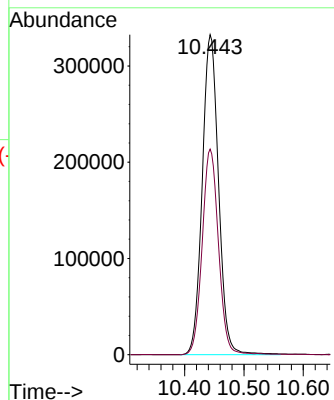
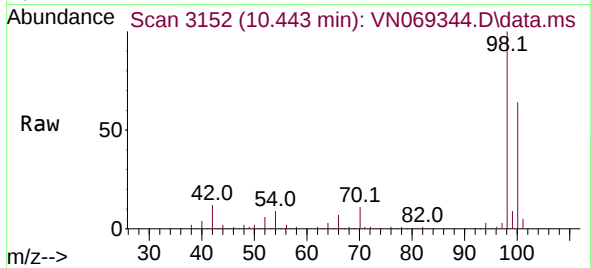




#50
Toluene-d8
Concen: 50.350 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

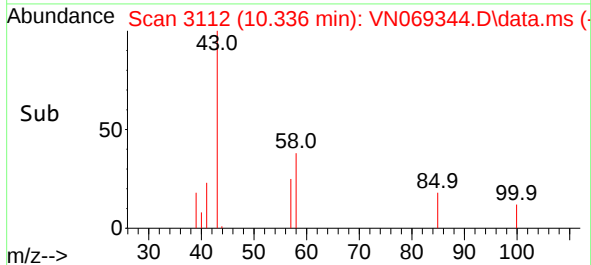
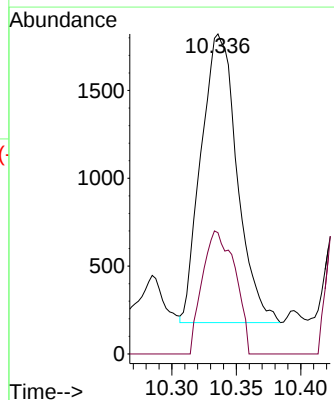
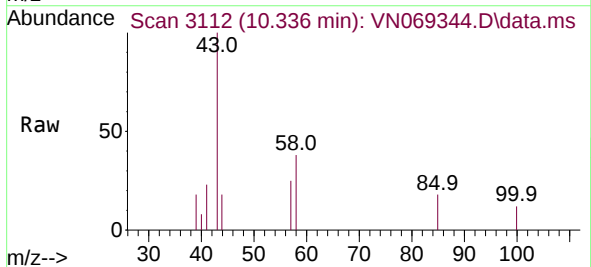
Instrument :
MSVOA_N
ClientSampleId :

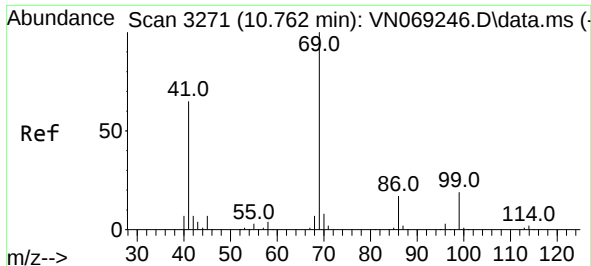
Tgt Ion: 98 Resp: 634336
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.955 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

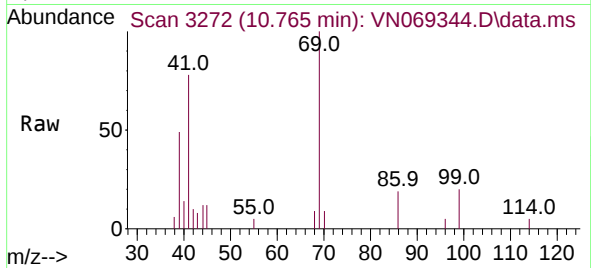
Tgt Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
58 38.6 31.0 46.4





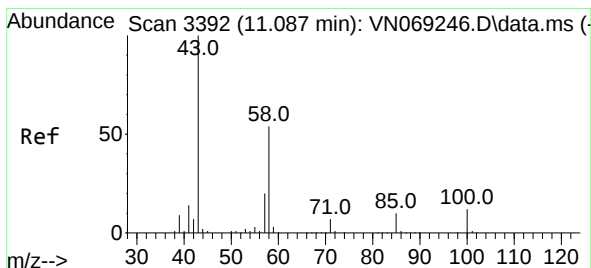
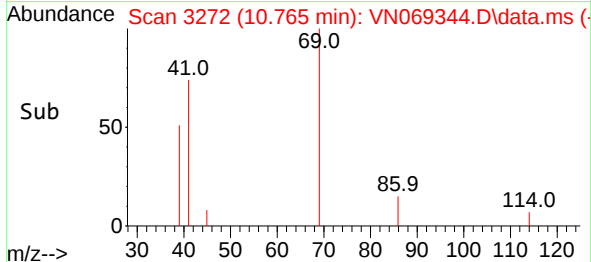
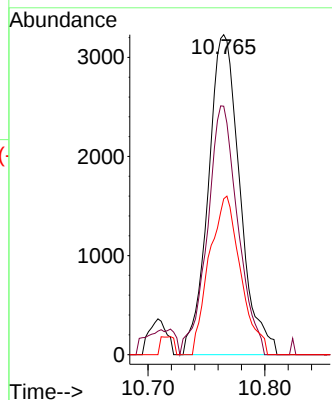
#56
Ethyl methacrylate
Concen: 2.609 ug/l
RT: 10.765 min Scan# 3341
Delta R.T. 0.003 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 69 Resp: 6065

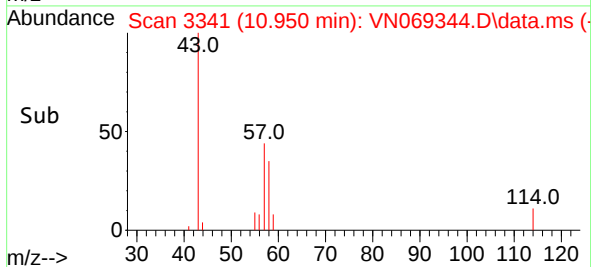
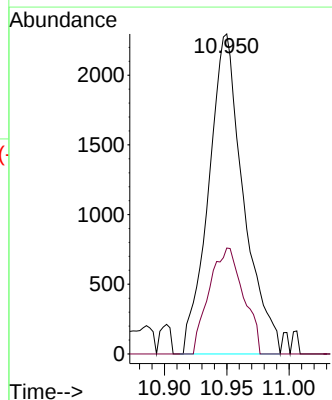
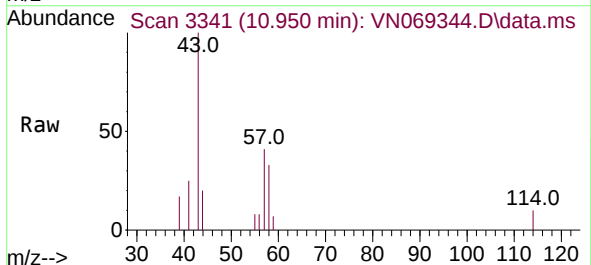
Ion	Ratio	Lower	Upper
69	100		
41	74.9	53.3	79.9
39	49.2	33.3	49.9

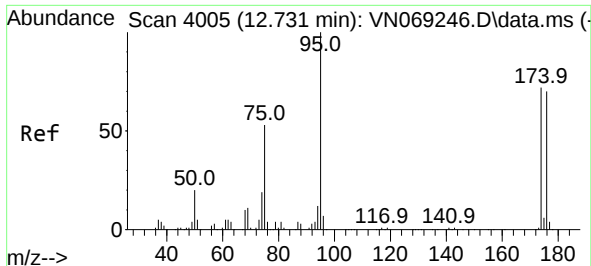


#59
2-Hexanone
Concen: 9.004 ug/l
RT: 10.950 min Scan# 3341
Delta R.T. -0.137 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion: 43 Resp: 4469

Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.9	80.7

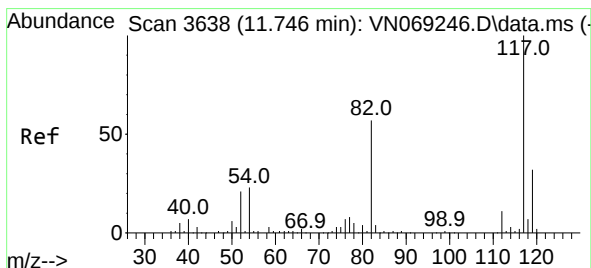
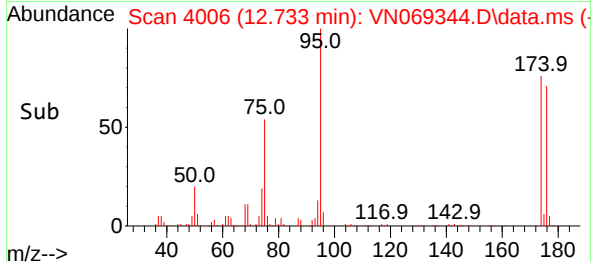
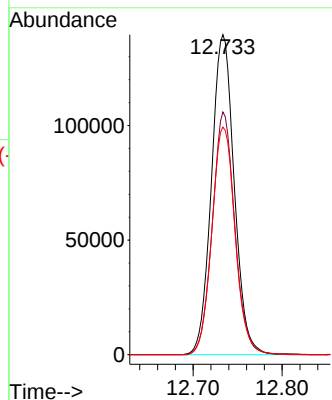
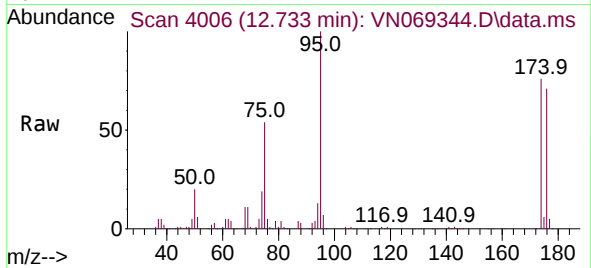




#62
4-Bromofluorobenzene
Concen: 52.224 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

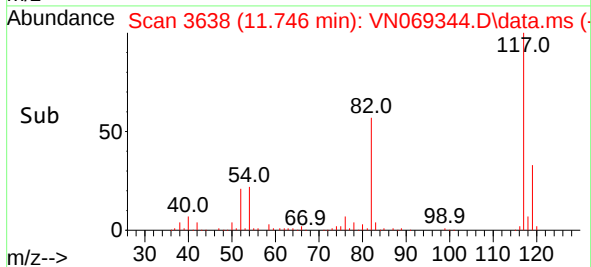
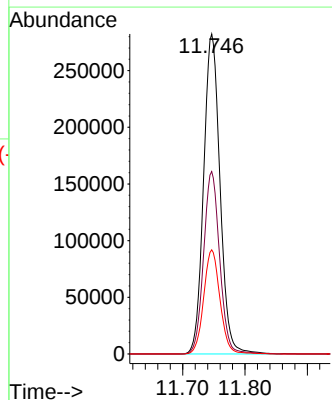
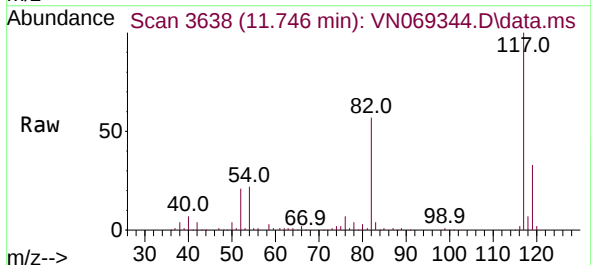
Instrument :
MSVOA_N
ClientSampleId :

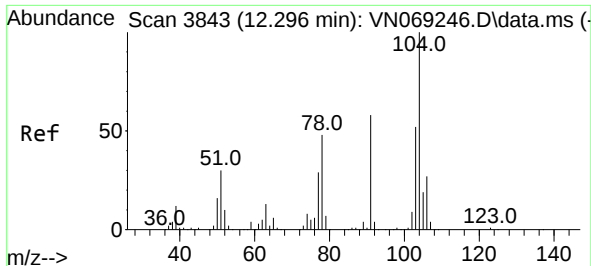
Tgt Ion: 95 Resp: 248280
Ion Ratio Lower Upper
95 100
174 74.7 0.0 144.8
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

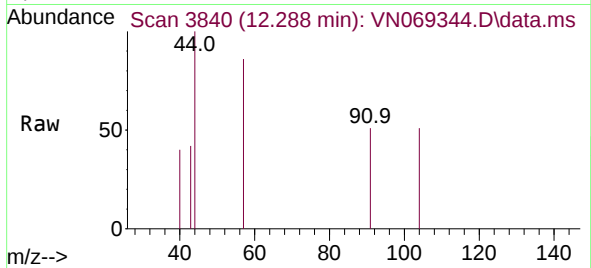
Tgt Ion: 117 Resp: 516417
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.5 26.0 39.0



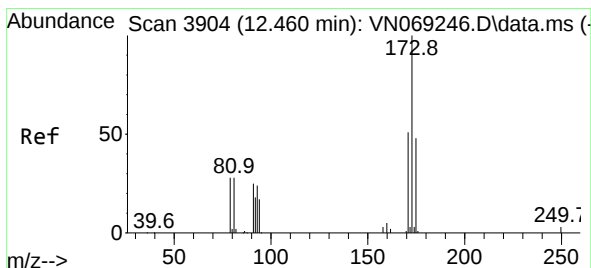
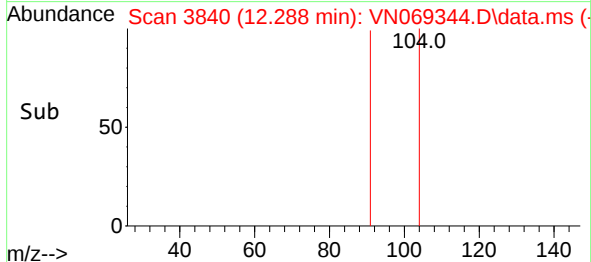
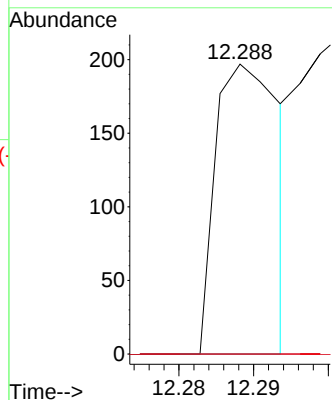


#70
Styrene
Concen: 1.465 ug/l
RT: 12.288 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :

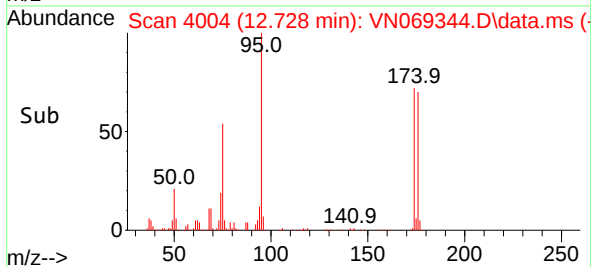
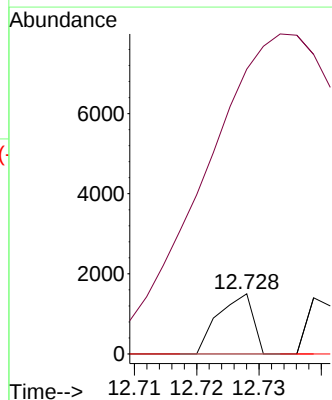
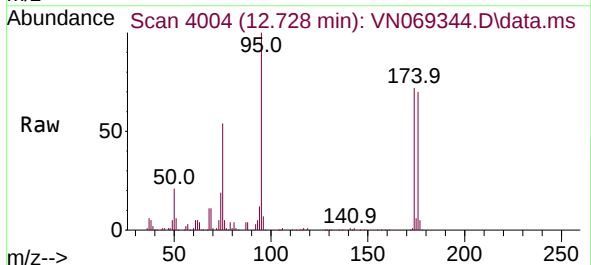


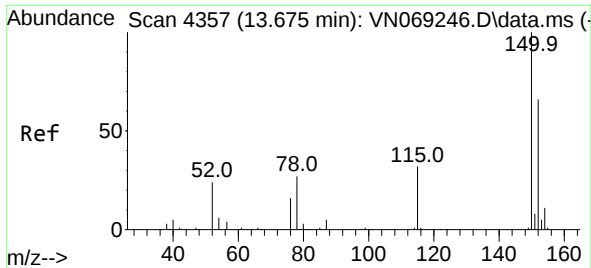
Tgt Ion:104 Resp: 117
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 3.045 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion:173 Resp: 583
Ion Ratio Lower Upper
173 100
175 2254.2 23.8 71.5#
254 0.0 0.0 0.0

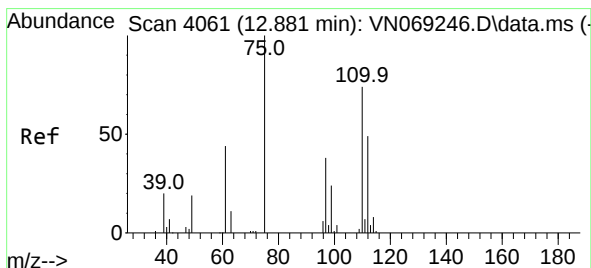
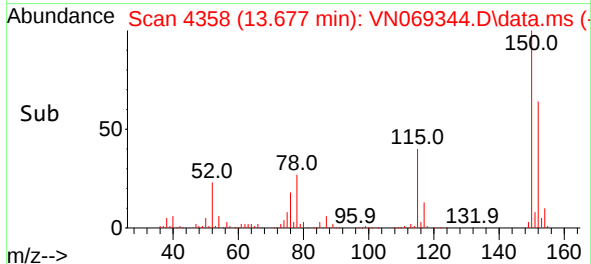
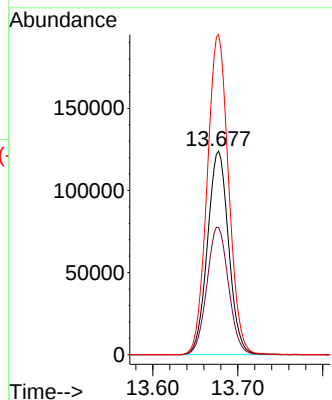
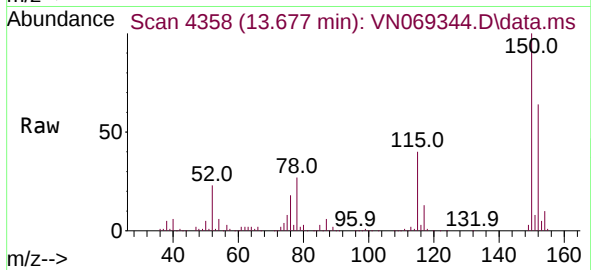




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

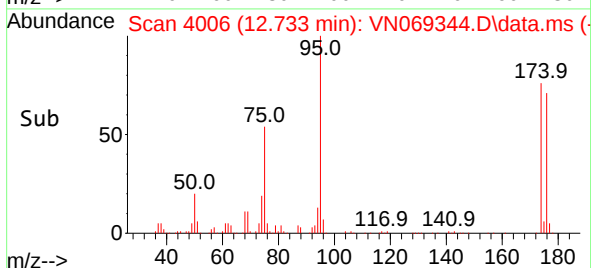
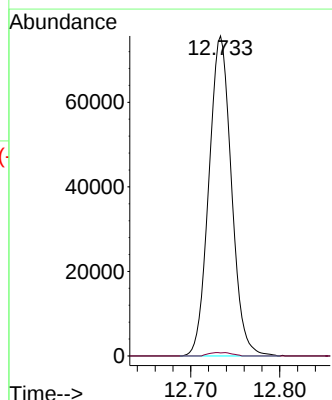
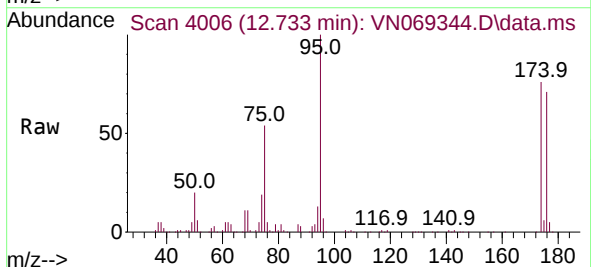
Instrument :
 MSVOA_N
 ClientSampleId :

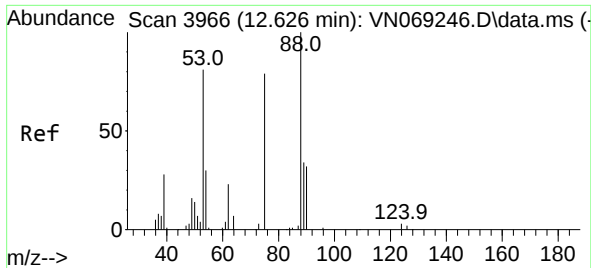
Tgt Ion:152 Resp: 214425
 Ion Ratio Lower Upper
 152 100
 115 64.2 31.4 94.3
 150 159.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 23.618 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

Tgt Ion: 75 Resp: 133198
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

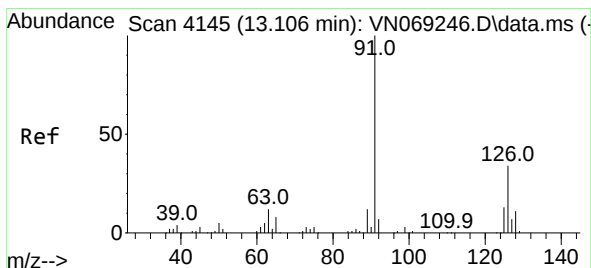
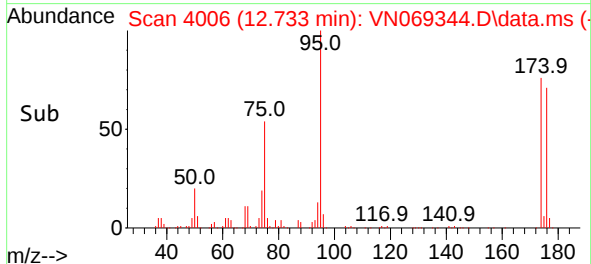
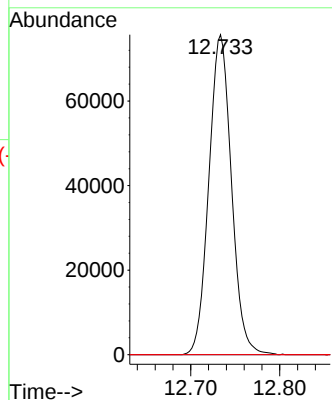
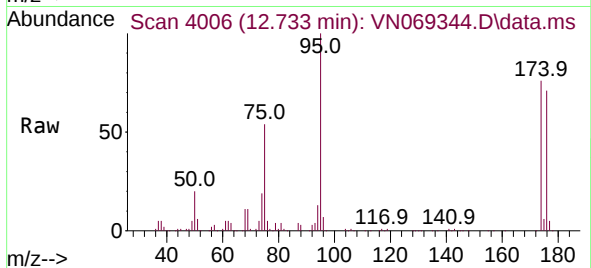




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.881 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

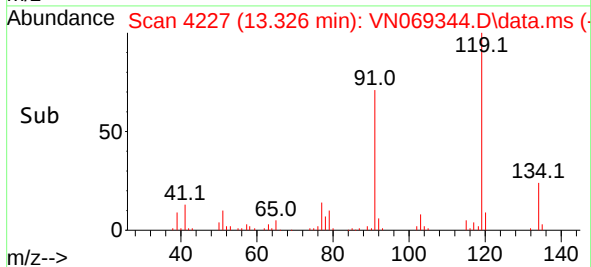
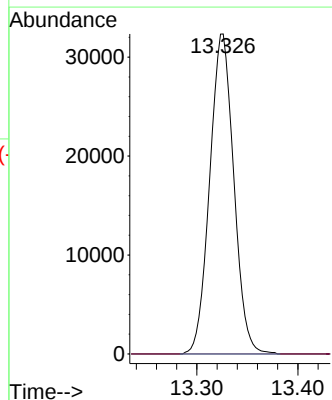
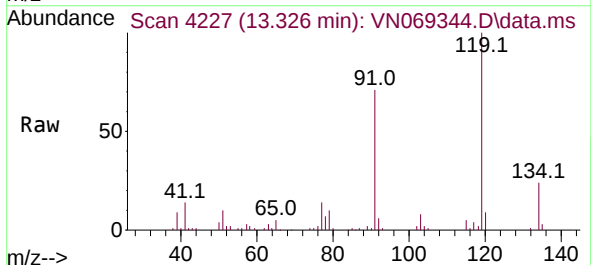
Instrument :
 MSVOA_N
 ClientSampleId :

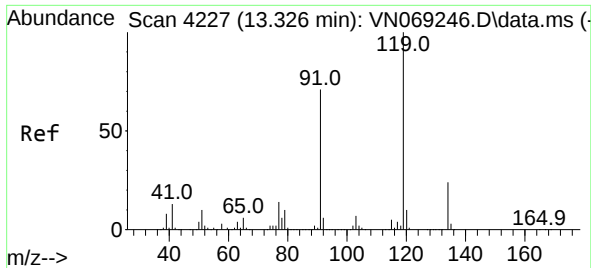
Tgt Ion: 75 Resp: 133198
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.2#
 89 0.0 36.9 55.3#



#82
 4-Chlorotoluene
 Concen: 4.226 ug/l
 RT: 13.326 min Scan# 4227
 Delta R.T. 0.220 min
 Lab File: VN069344.D
 Acq: 2 Nov 2021 13:25

Tgt Ion: 91 Resp: 53550
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.3 48.8#

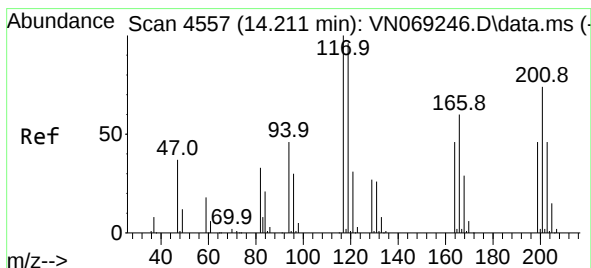
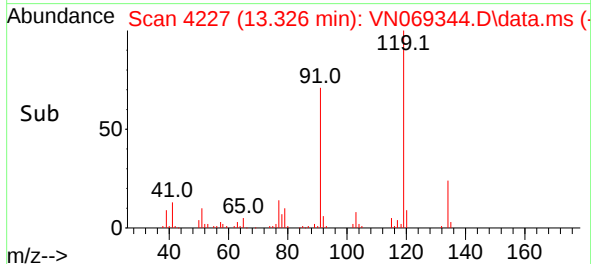
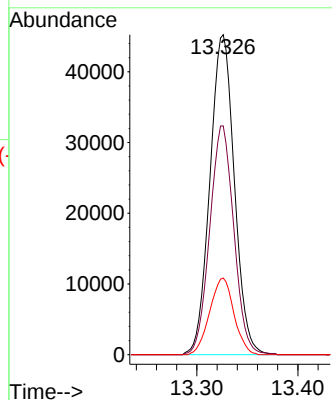
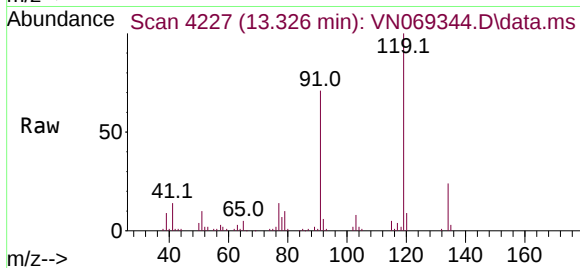




#83
tert-Butylbenzene
Concen: 5.826 ug/l
RT: 13.326 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

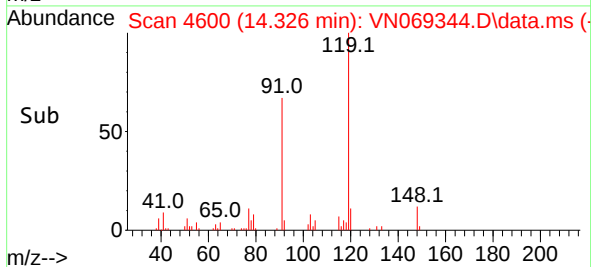
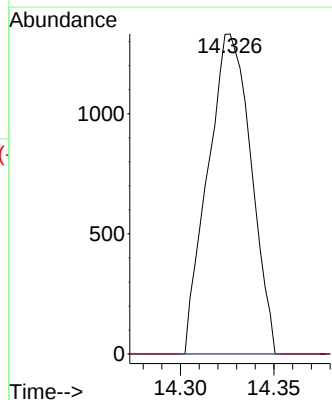
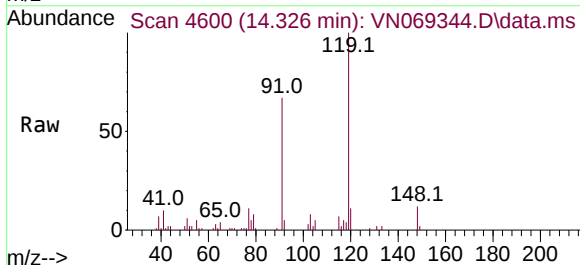
Instrument :
MSVOA_N
ClientSampleId :

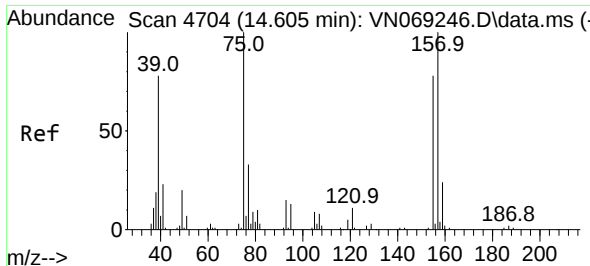
Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.6	103.9
134	23.8	12.6	37.6



#90
Hexachloroethane
Concen: 2.750 ug/l
RT: 14.326 min Scan# 4600
Delta R.T. 0.115 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.1	111.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.906 ug/l

RT: 14.324 min Scan# 41

Delta R.T. -0.281 min

Lab File: VN069344.D

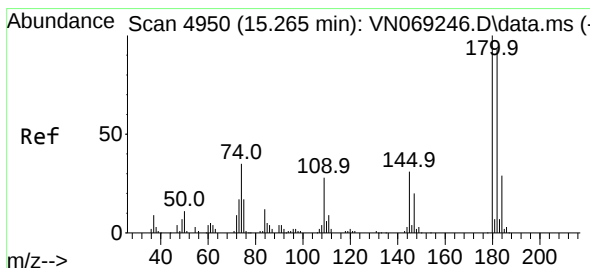
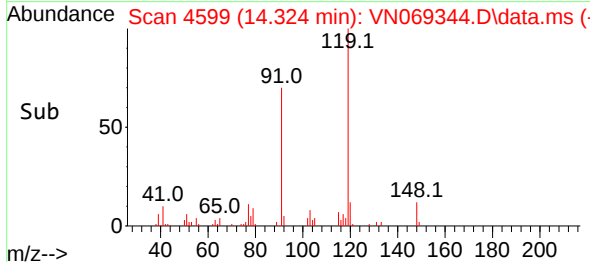
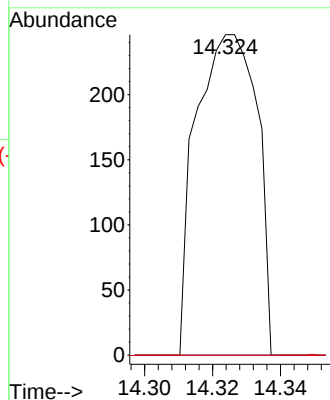
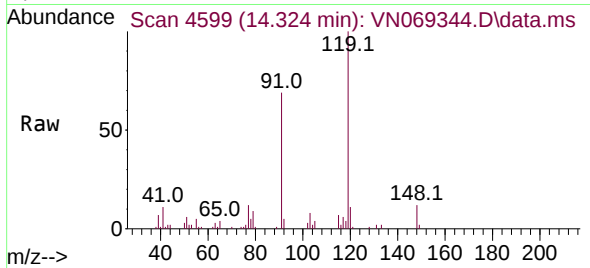
Acq: 2 Nov 2021 13:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp:	305
Ion Ratio	Lower	Upper
75	100	
155	0.0	38.8 116.4#
157	0.0	50.2 150.6#



#93

1,2,4-Trichlorobenzene

Concen: 2.610 ug/l

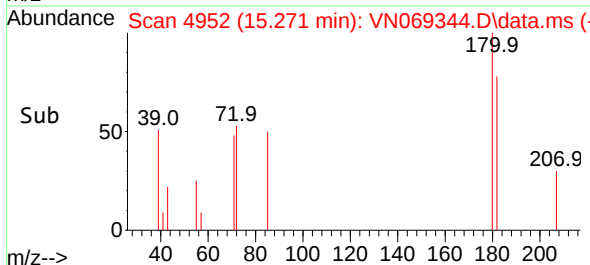
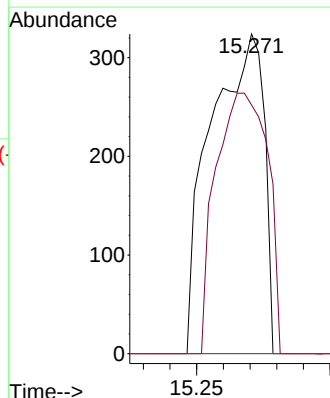
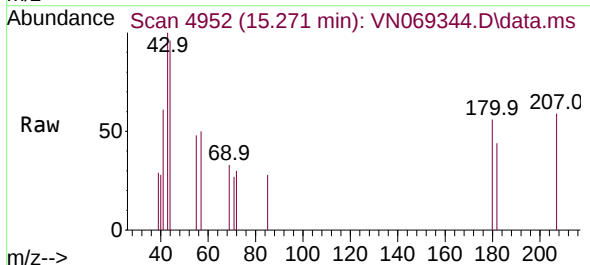
RT: 15.271 min Scan# 4952

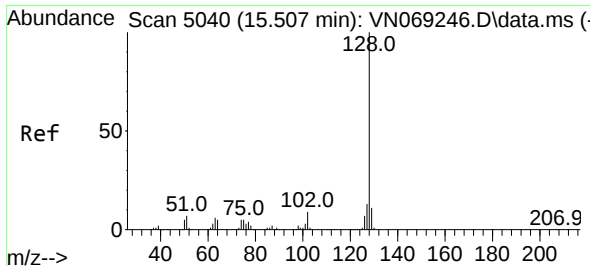
Delta R.T. 0.006 min

Lab File: VN069344.D

Acq: 2 Nov 2021 13:25

Tgt Ion: 180	Resp:	449
Ion Ratio	Lower	Upper
180	100	
182	79.1	47.9 143.7
145	0.0	16.4 49.2#

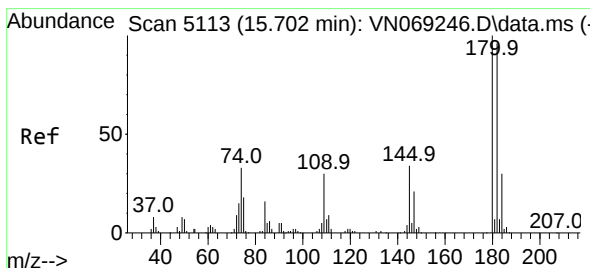
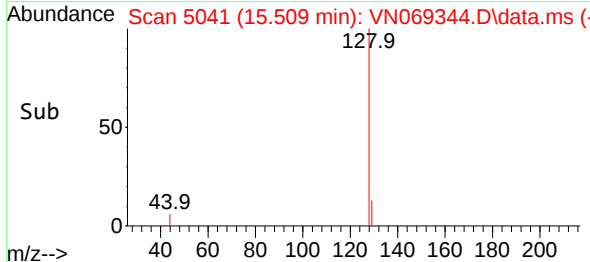
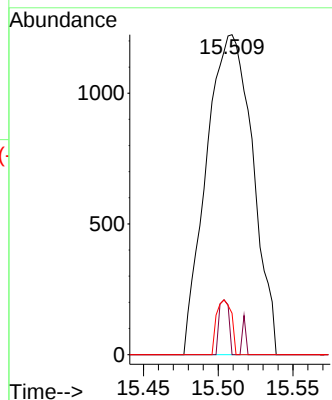
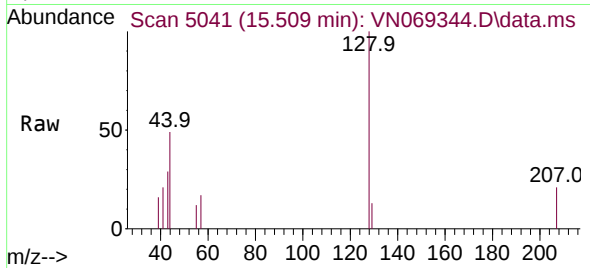




#95
Naphthalene
Concen: 3.538 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2638
Ion Ratio Lower Upper
128 100
127 3.6 10.5 15.7#
129 5.5 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.316 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069344.D
Acq: 2 Nov 2021 13:25

Tgt Ion:180 Resp: 387
Ion Ratio Lower Upper
180 100
182 86.8 48.1 144.3
145 0.0 17.4 52.2#

