

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068348.D
 Acq On : 27 Aug 2021 16:45
 Operator : JC/MD
 Sample : PB138768ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:28:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

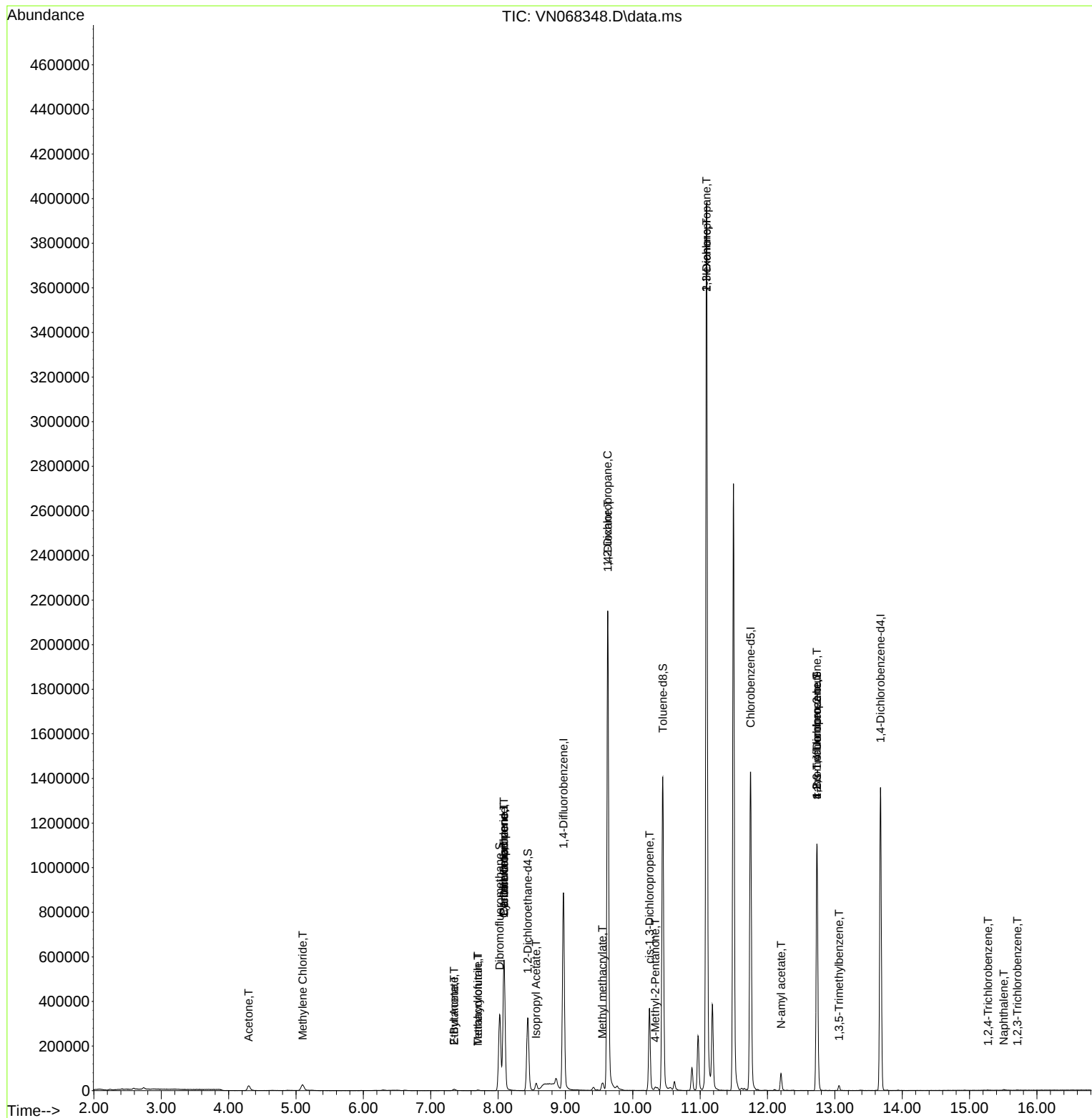
Internal Standards						
1) Pentafluorobenzene	8.088	168	487923	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	855301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	950740	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	410102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	280998	53.938	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.880%			
35) Dibromofluoromethane	8.024	113	250946	46.733	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.460%			
50) Toluene-d8	10.446	98	1046303	51.137	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.280%			
62) 4-Bromofluorobenzene	12.733	95	377252	55.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.780%			
Target Compounds						
5) Bromomethane	2.866	94	402	Below Cal	#	61
6) Chloroethane	3.030	64	56	Below Cal	#	44
13) Acrolein	4.044	56	107	Below Cal	#	79
16) Acetone	4.296	43	42192	27.738	ug/l	93
18) Methyl Acetate	4.848	43	237	Below Cal	#	54
20) Methylene Chloride	5.100	84	22651	3.401	ug/l	# 80
25) 2-Butanone	7.345	43	9512	4.013	ug/l	# 88
29) Tetrahydrofuran	7.702	42	1368	0.902	ug/l	# 87
31) Cyclohexane	8.086	56	8597	1.253	ug/l	# 3
36) 1,1-Dichloropropene	8.086	75	31726	4.538	ug/l	# 52
37) Ethyl Acetate	7.345	43	9512	1.597	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	44967	5.576	ug/l	# 17
41) Methacrylonitrile	7.699	41	915	0.336	ug/l	# 45
43) Isopropyl Acetate	8.566	43	36845	3.862	ug/l	# 91
45) 1,2-Dichloropropane	9.628	63	3019	0.601	ug/l	# 44
48) Methyl methacrylate	9.547	41	8424	2.119	ug/l	# 12
49) 1,4-Dioxane	9.630	88	290	3.018	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	6170	1.053	ug/l	# 58
54) cis-1,3-Dichloropropene	10.247	75	71812	8.869	ug/l	# 56
57) 1,3-Dichloropropane	11.095	76	46491	5.192	ug/l	# 43
59) 2-Hexanone	11.095	43	565075	138.851	ug/l	# 57
74) N-amyl acetate	12.200	43	21134	2.783	ug/l	# 57
76) 1,2,3-Trichloropropane	12.733	75	185851	27.266	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	12461	0.528	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.733	75	185851	89.327	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.273	180	783	2.793	ug/l	# 80
95) Naphthalene	15.507	128	4061	3.580	ug/l	# 87
96) 1,2,3-Trichlorobenzene	15.710	180	485	2.902	ug/l	# 17

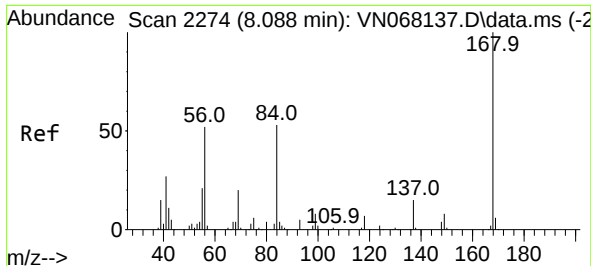
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
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ALS Vial : 18 Sample Multiplier: 1

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Quant Time: Aug 28 01:28:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

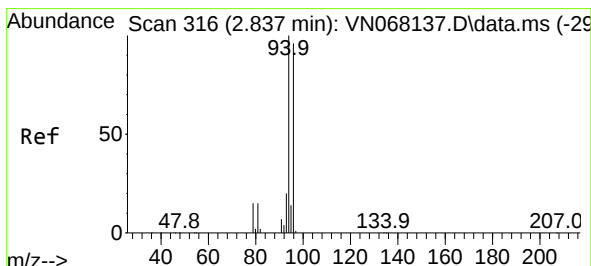
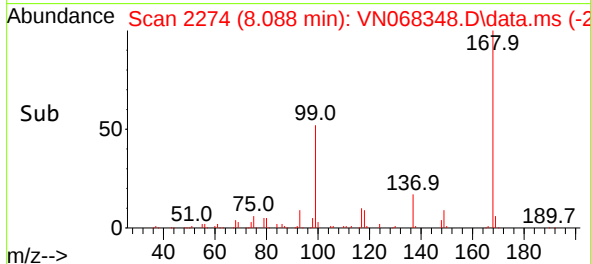
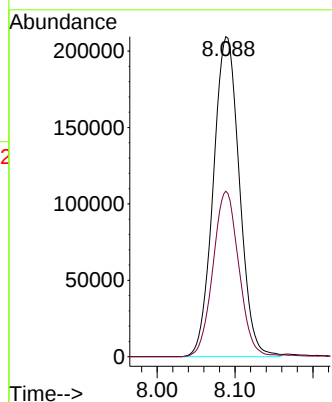
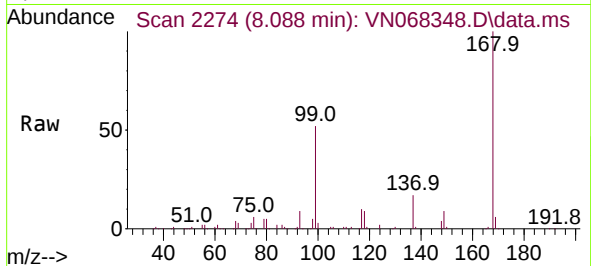




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

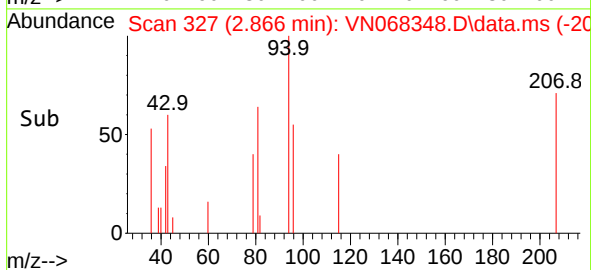
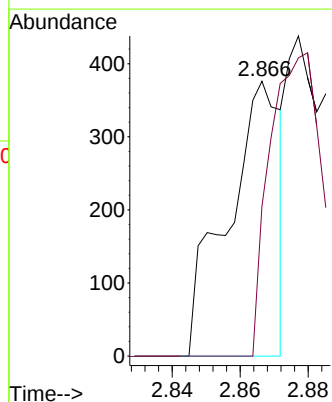
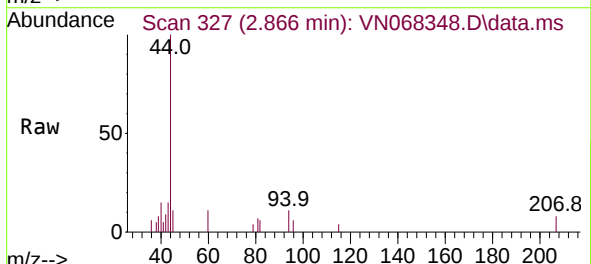
Instrument :
MSVOA_N
ClientSampled :

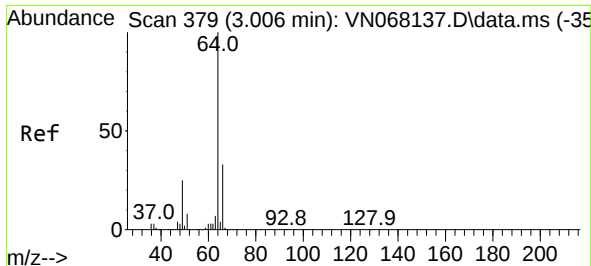
Tgt Ion:168 Resp: 487923
Ion Ratio Lower Upper
168 100
99 51.7 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.029 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 54.5 73.7 110.5#

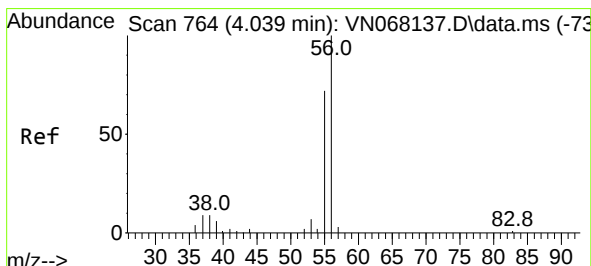
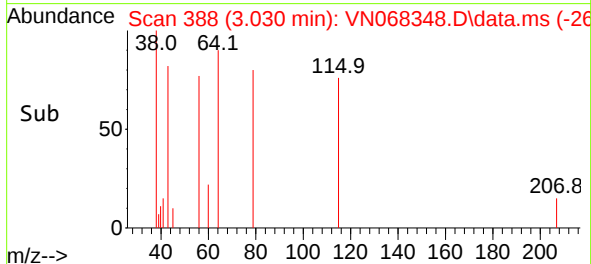
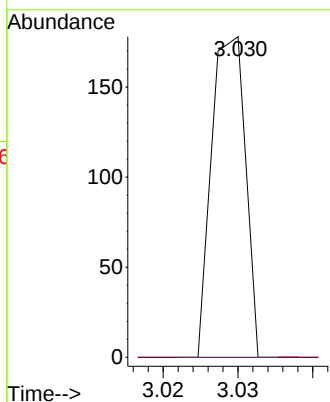
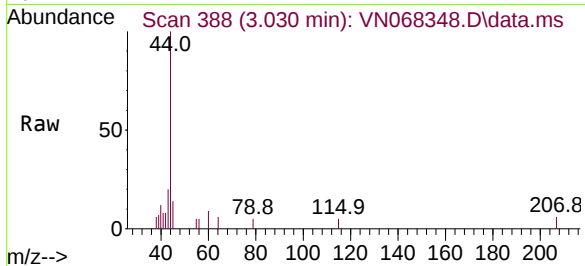




#6
Chloroethane
Concen: Below Cal
RT: 3.030 min Scan# 388
Delta R.T. 0.024 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

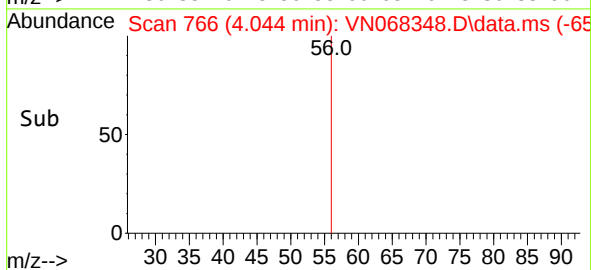
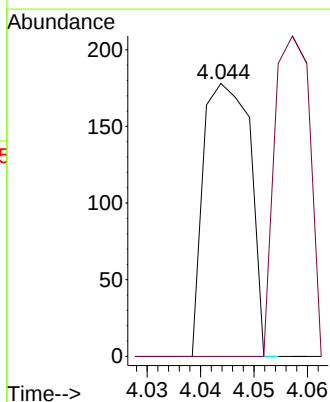
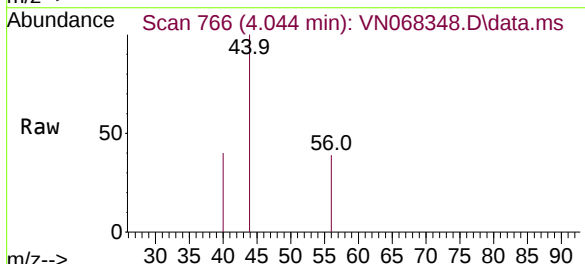
Instrument :
MSVOA_N
ClientSampled :

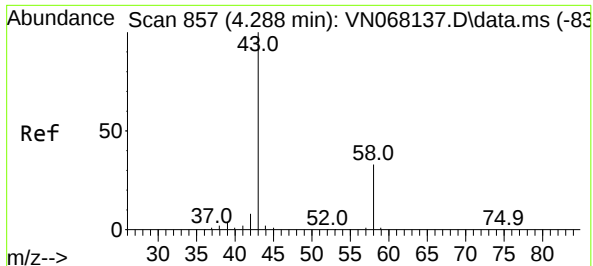
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 88.8 57.4 86.0#

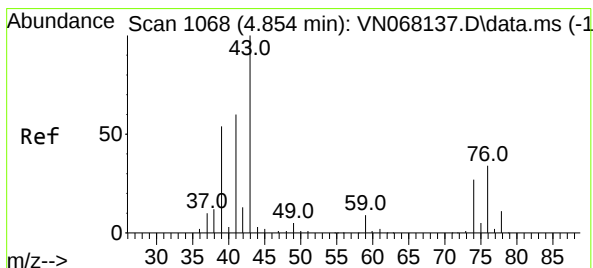
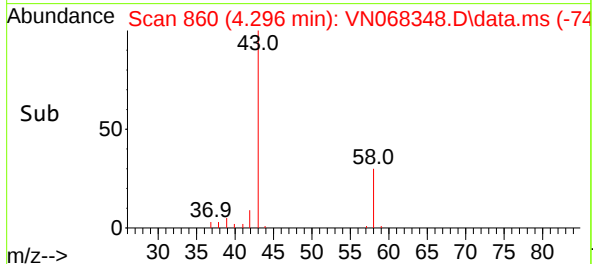
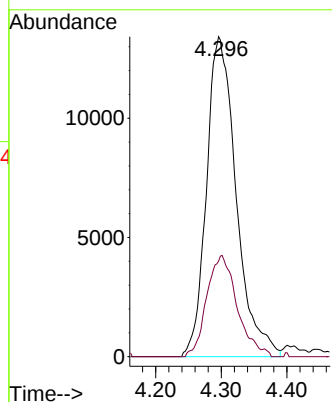
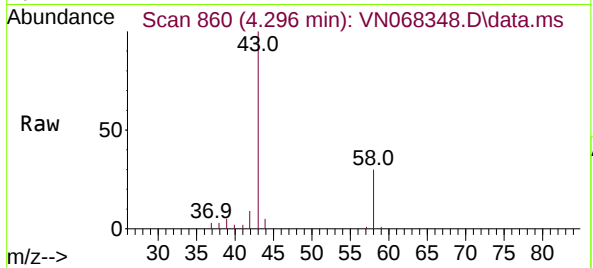




#16
Acetone
Concen: 27.738 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

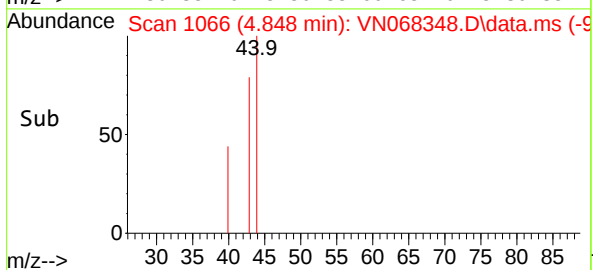
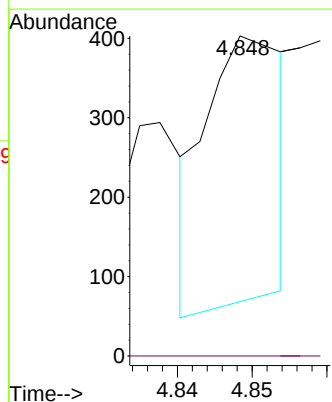
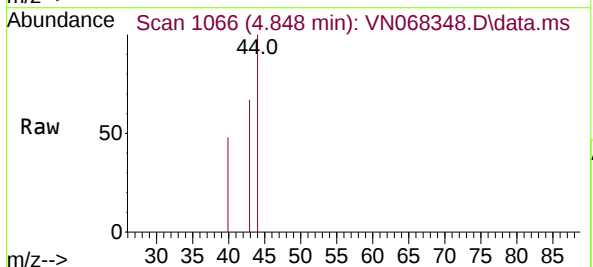
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 42192
Ion Ratio Lower Upper
43 100
58 29.9 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.848 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

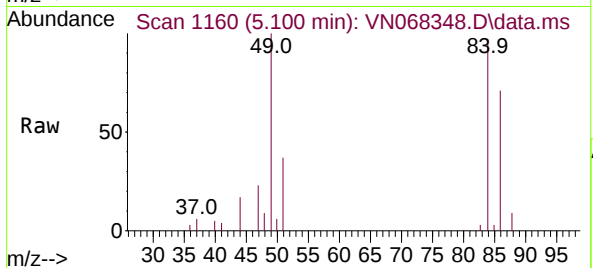
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



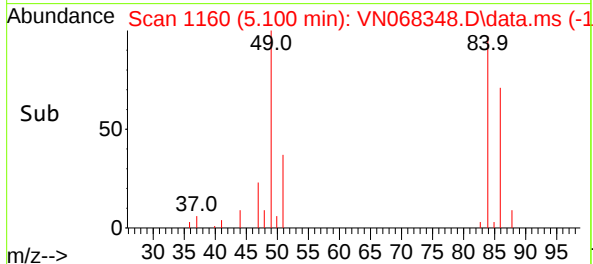
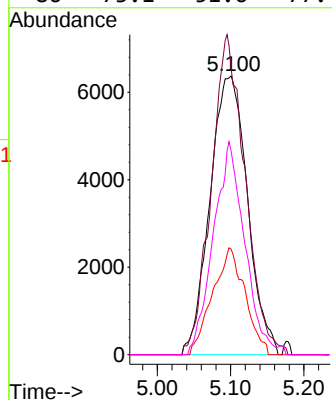


#20
Methylene Chloride
Concen: 3.401 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.007 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Instrument :
MSVOA_N
ClientSampled :

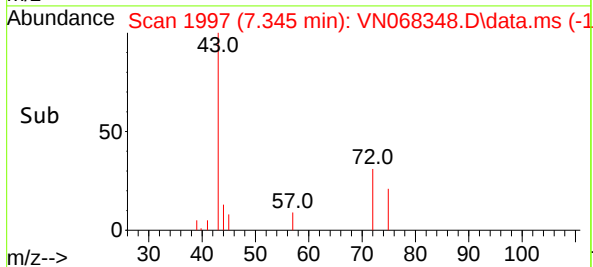
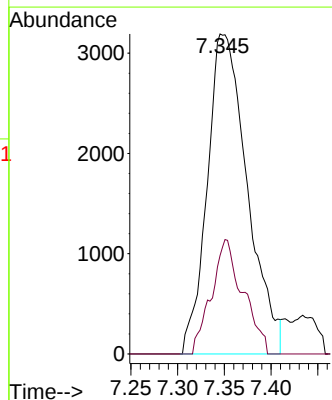
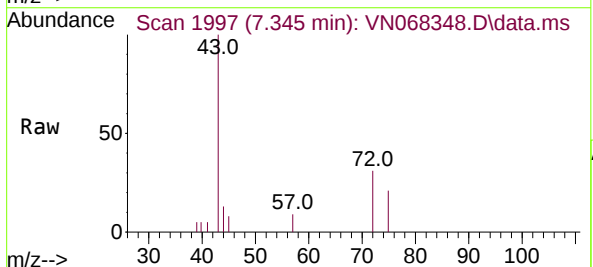


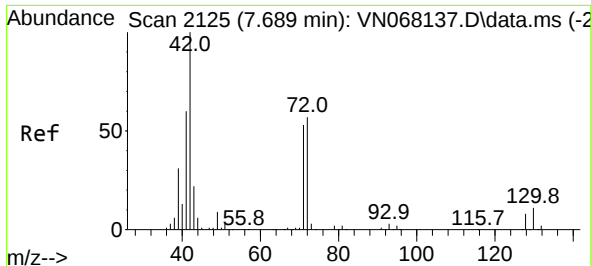
Tgt Ion:	84	Resp:	22651
Ion	Ratio	Lower	Upper
84	100		
49	103.1	110.9	166.3#
51	37.9	32.6	49.0
86	73.1	51.6	77.4



#25
2-Butanone
Concen: 4.013 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.005 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion:	43	Resp:	9512
Ion	Ratio	Lower	Upper
43	100		
72	30.8	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.902 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.013 min

Lab File: VN068348.D

Acq: 27 Aug 2021 16:45

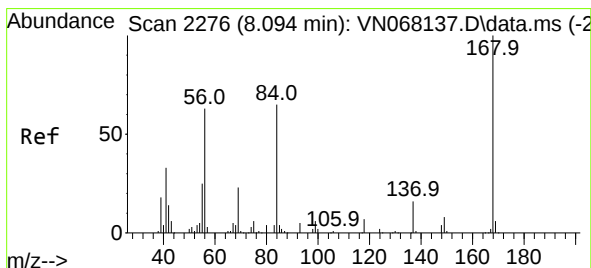
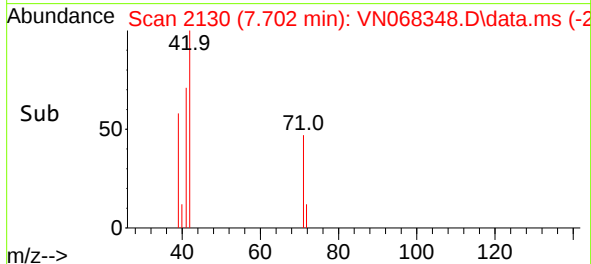
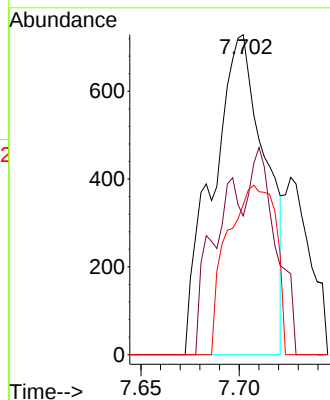
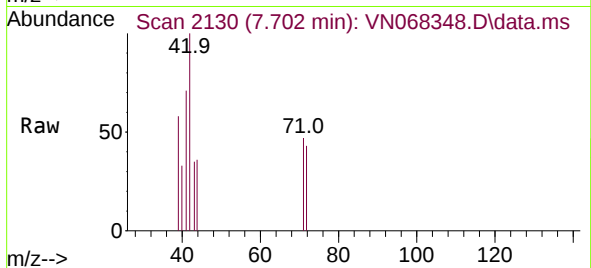
Tgt Ion: 42 Resp: 1368

Ion Ratio Lower Upper

42 100

72 33.6 32.8 49.2

71 48.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068348.D

Acq: 27 Aug 2021 16:45

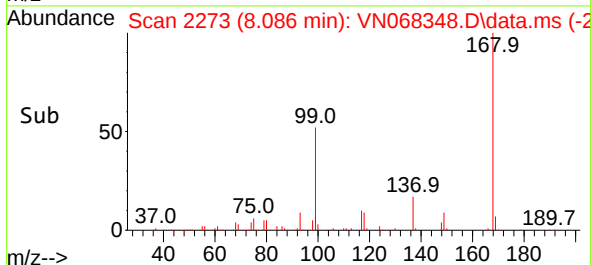
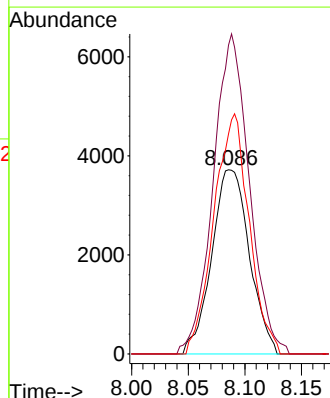
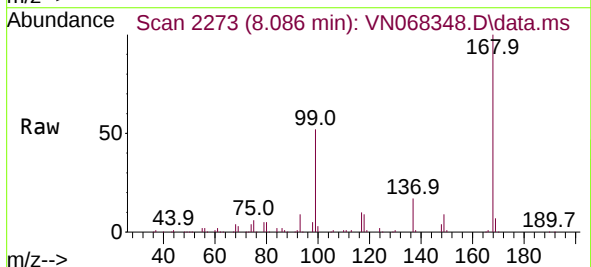
Tgt Ion: 56 Resp: 8597

Ion Ratio Lower Upper

56 100

69 163.5 27.3 40.9#

84 119.4 64.9 97.3#

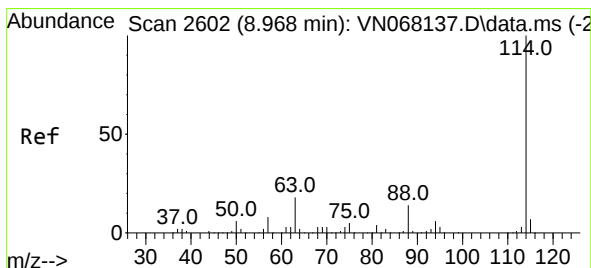
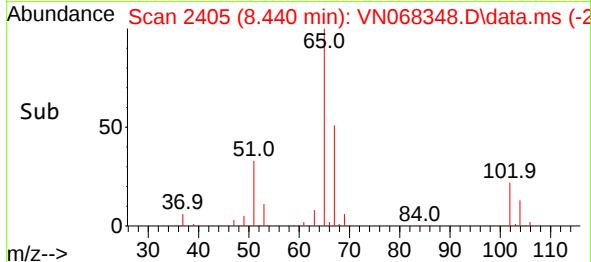
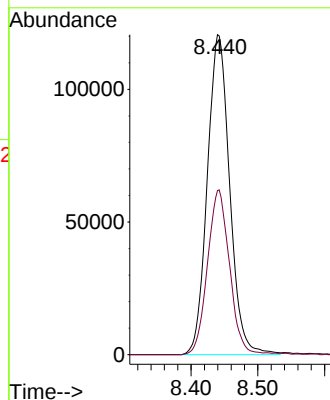
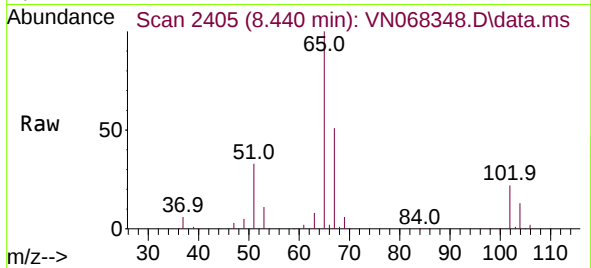




#33
 1,2-Dichloroethane-d4
 Concen: 53.938 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068348.D
 Acq: 27 Aug 2021 16:45

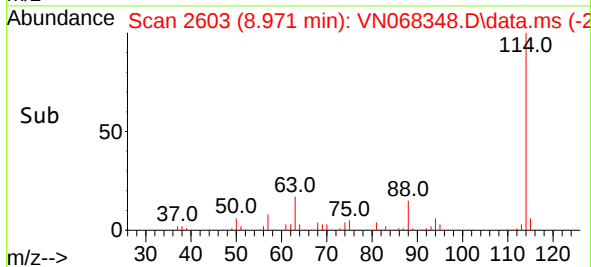
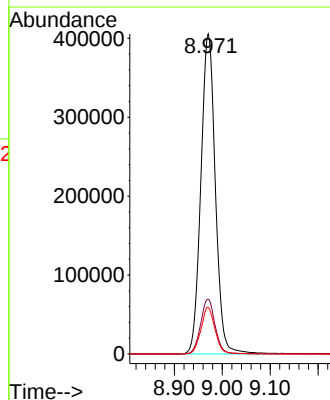
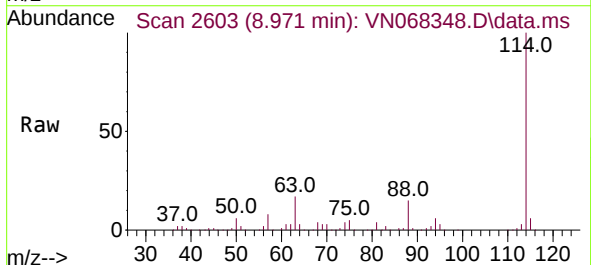
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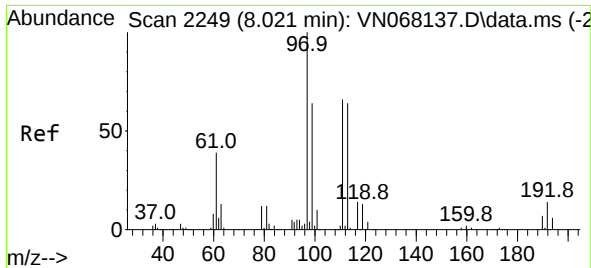
Tgt Ion: 65 Resp: 280998
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068348.D
 Acq: 27 Aug 2021 16:45

Tgt Ion: 114 Resp: 855301
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 49.0
 88 14.5 0.0 36.6

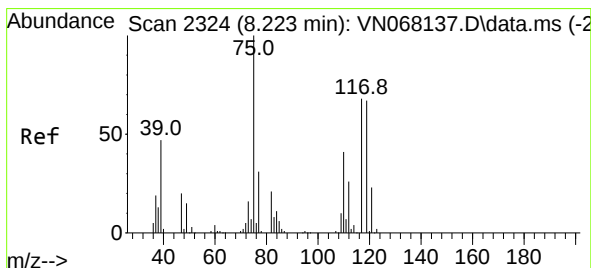
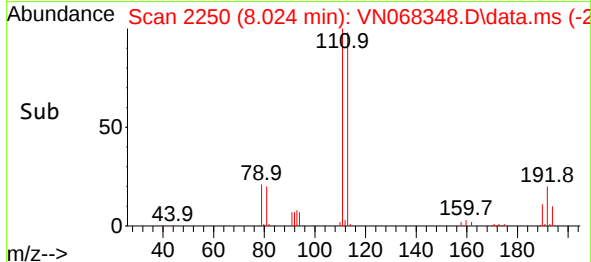
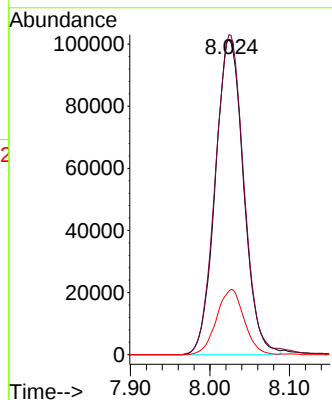
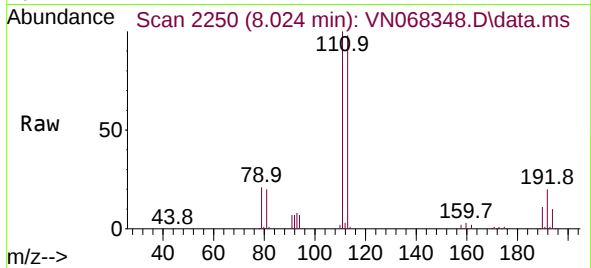




#35
Dibromofluoromethane
Concen: 46.733 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

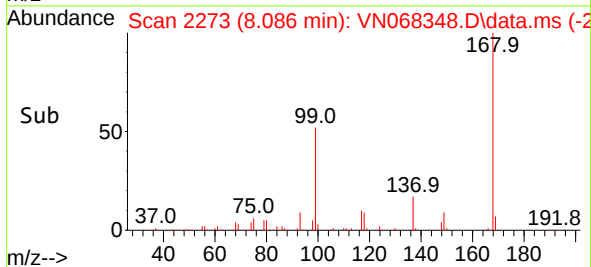
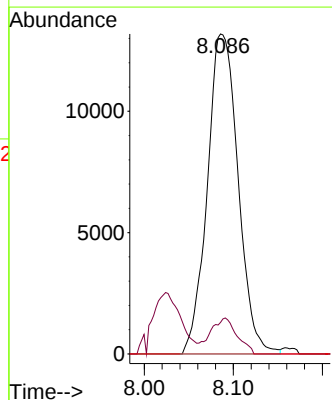
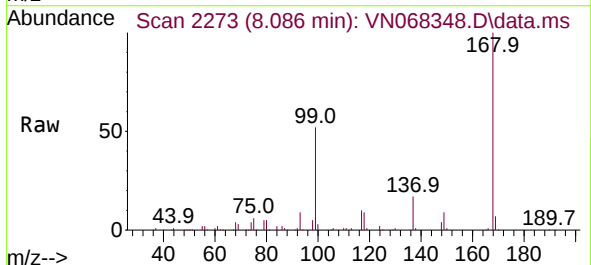
Instrument :
MSVOA_N
ClientSampled :

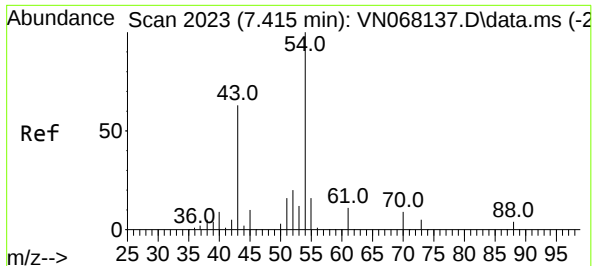
Tgt Ion:113 Resp: 250946
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 20.2 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 75 Resp: 31726
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#

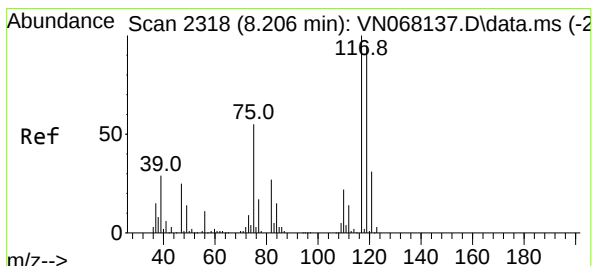
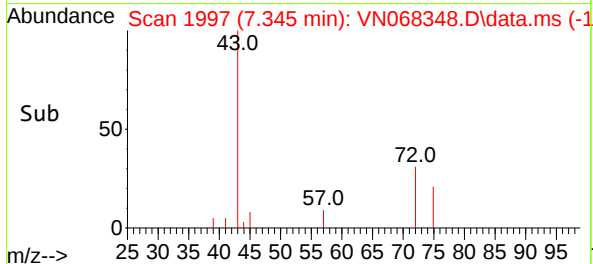
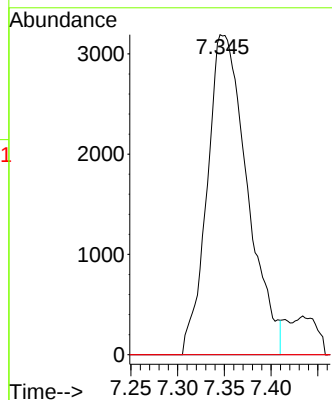
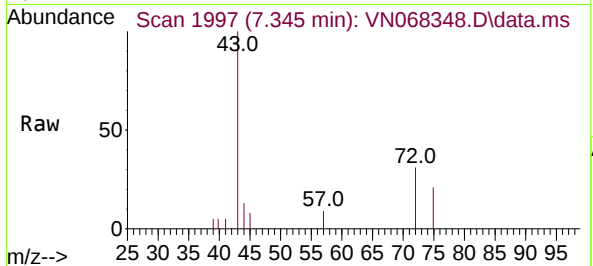




#37
Ethyl Acetate
Concen: 1.597 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

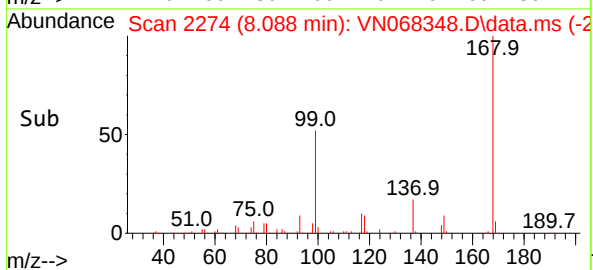
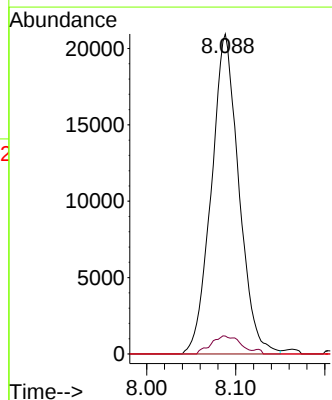
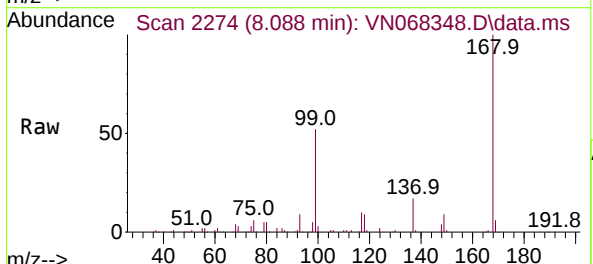
Instrument :
MSVOA_N
ClientSampled :

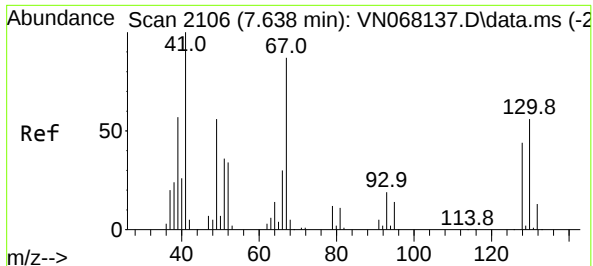
Tgt Ion: 43 Resp: 9512
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.576 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 117 Resp: 44967
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

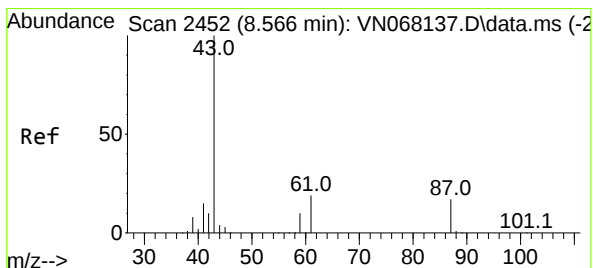
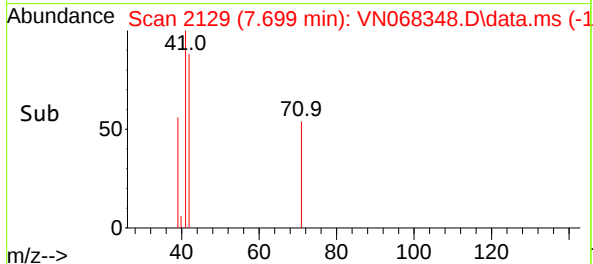
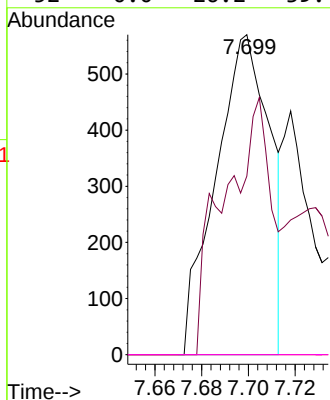
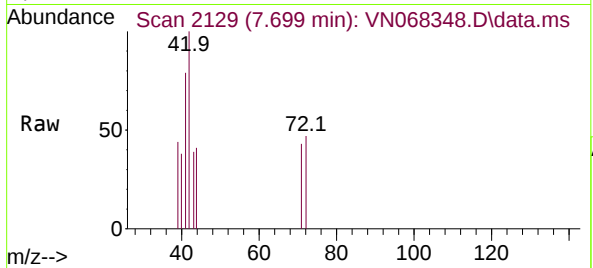




#41
Methacrylonitrile
Concen: 0.336 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

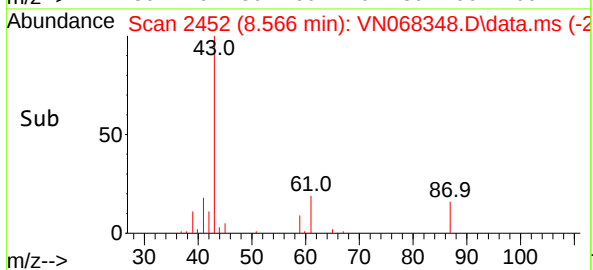
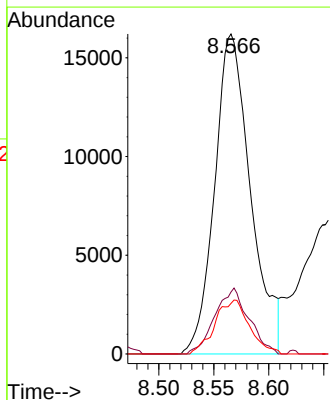
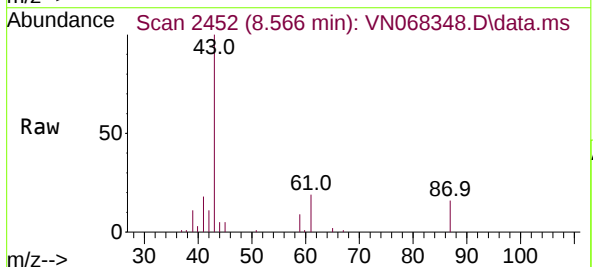
Instrument :
MSVOA_N
ClientSampled :

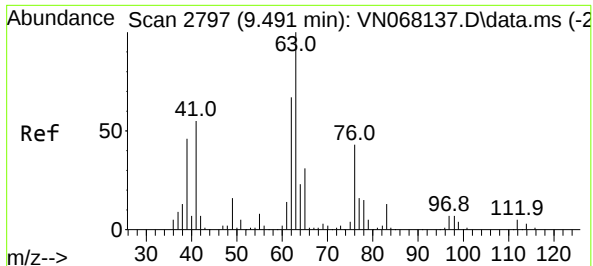
Tgt Ion: 41	Resp: 915
Ion Ratio	Lower Upper
41 100	
39 69.8	47.6 71.4
67 0.0	57.7 86.5#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 3.862 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 43	Resp: 36845		
Ion Ratio	Lower	Upper	
43 100			
61 19.4	19.0	28.4	
87 16.2	9.5	14.3#	

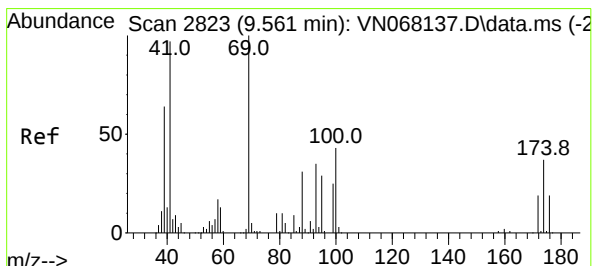
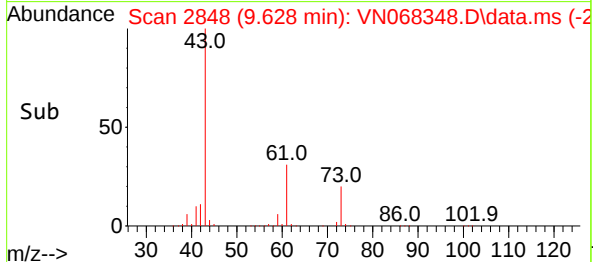
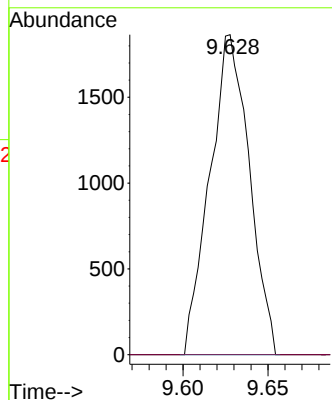
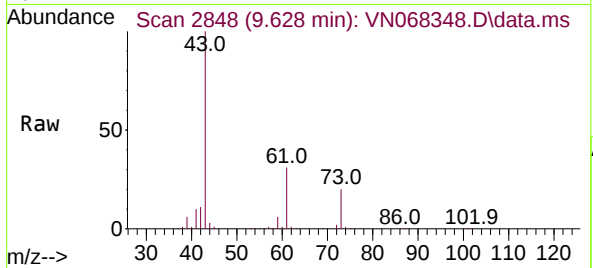




#45
1,2-Dichloropropane
Concen: 0.601 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

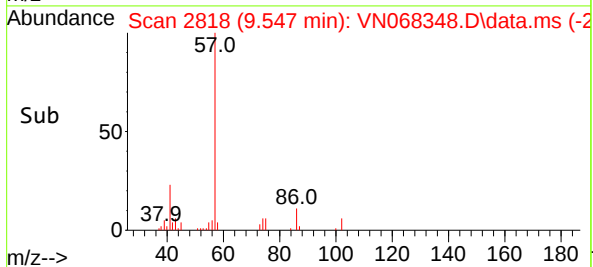
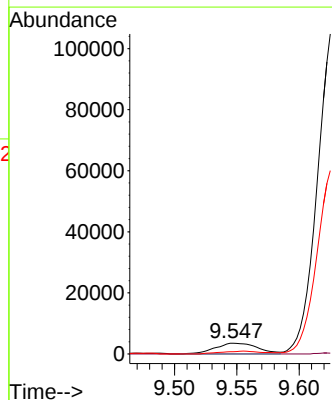
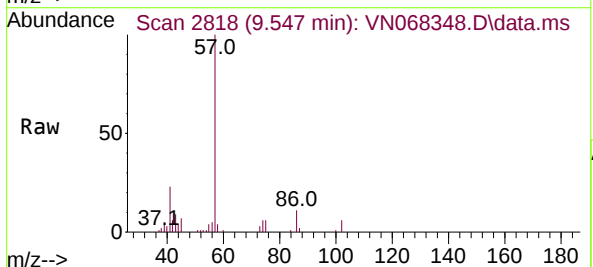
Instrument :
MSVOA_N
ClientSampled :

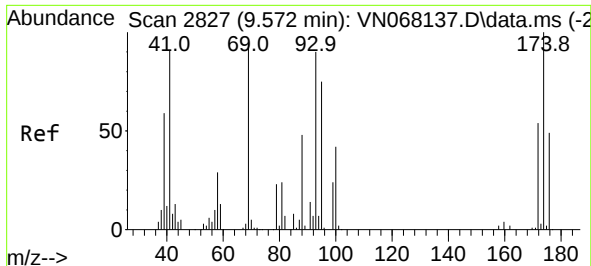
Tgt Ion: 63 Resp: 3019
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.119 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 41 Resp: 8424
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

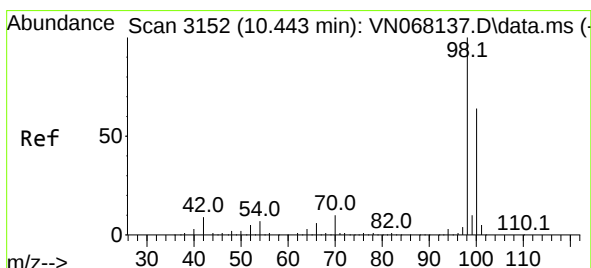
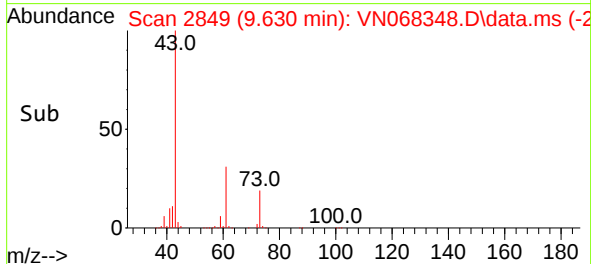
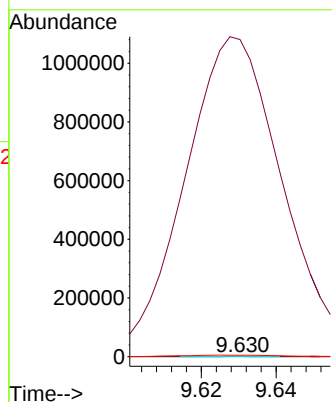
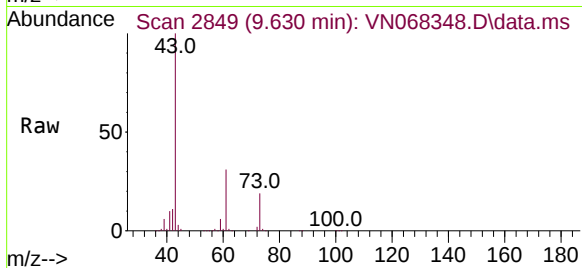




#49
1,4-Dioxane
Concen: 3.018 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.058 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

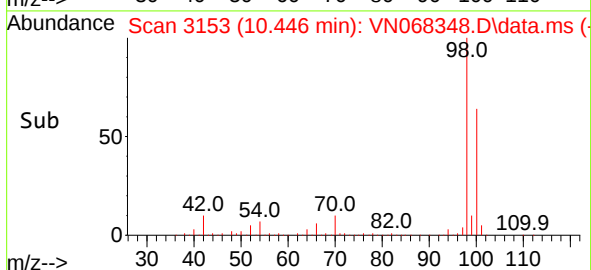
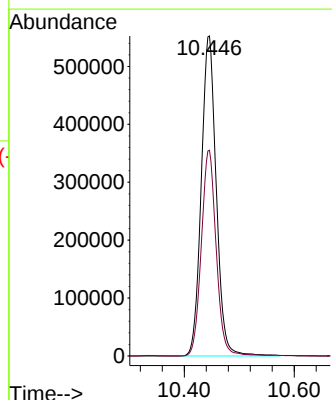
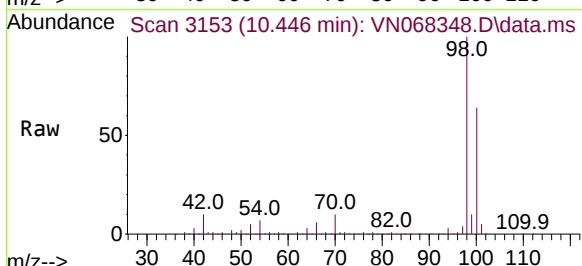
Instrument :
MSVOA_N
ClientSampled :

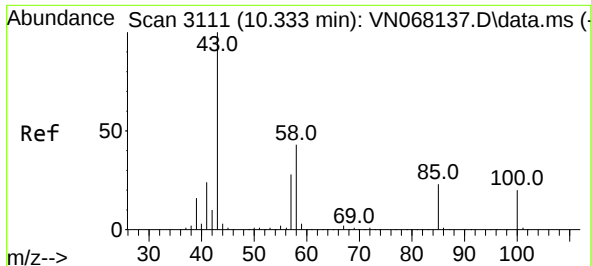
Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 713004.8 28.8 43.2#
58 3726.9 60.4 90.6#



#50
Toluene-d8
Concen: 51.137 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 98 Resp: 1046303
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

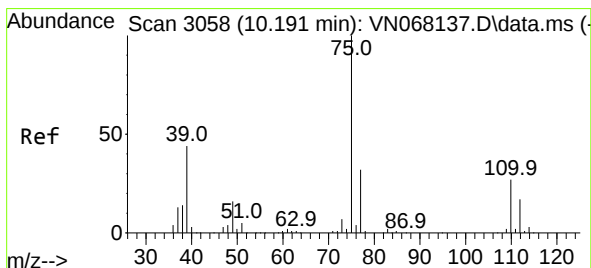
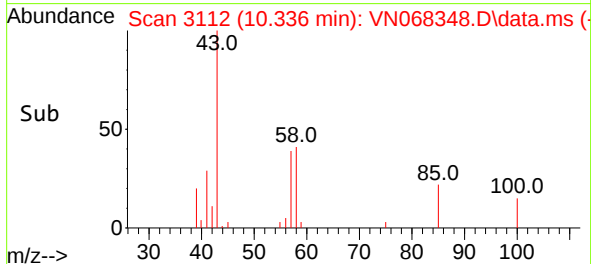
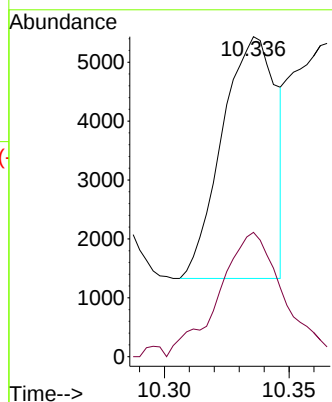
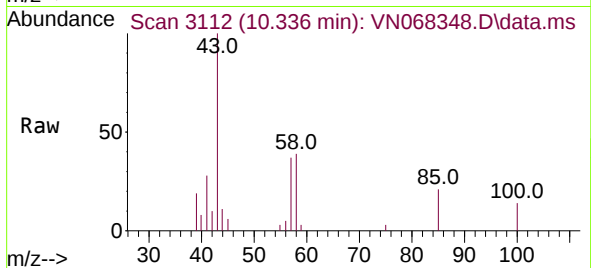




#51
4-Methyl-2-Pentanone
Concen: 1.053 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

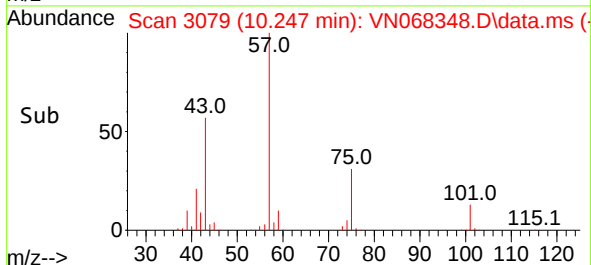
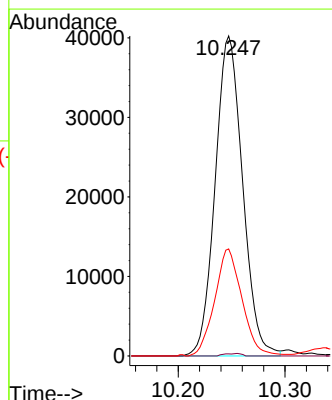
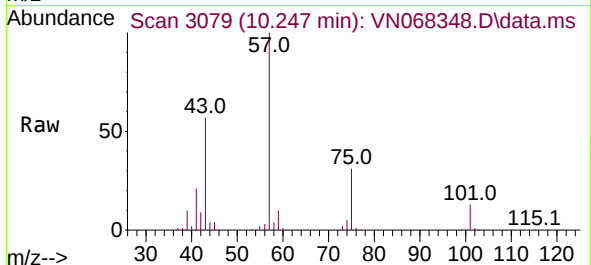
Instrument :
MSVOA_N
ClientSampled :

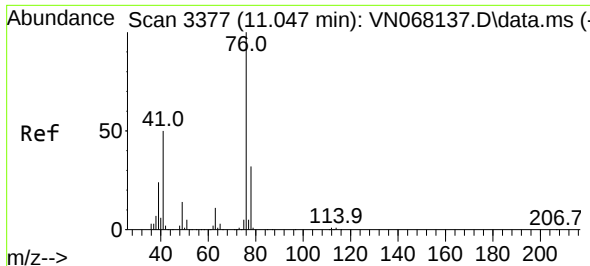
Tgt Ion: 43 Resp: 6170
Ion Ratio Lower Upper
43 100
58 60.6 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.869 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 75 Resp: 71812
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 32.9 50.7 76.1#

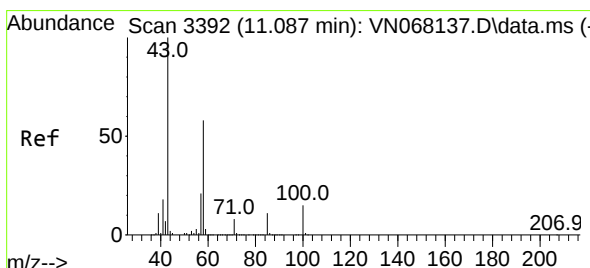
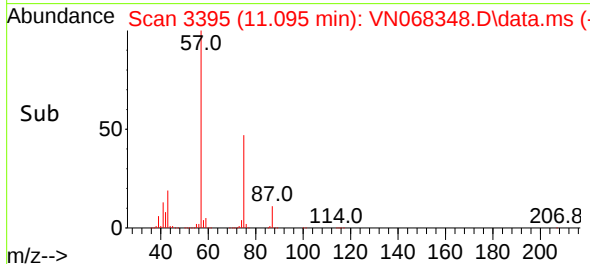
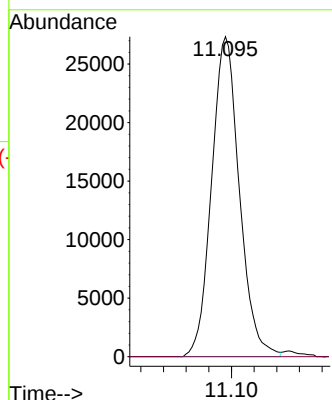
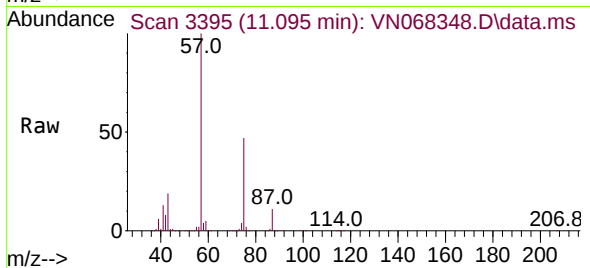




#57
1,3-Dichloropropane
Concen: 5.192 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

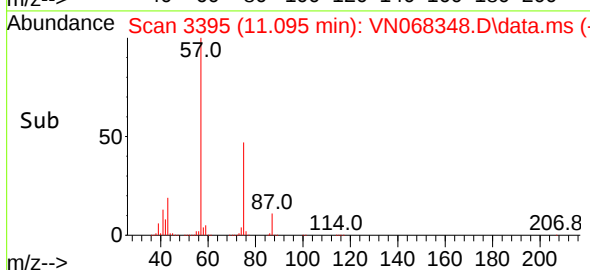
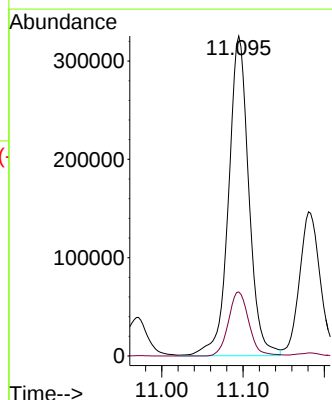
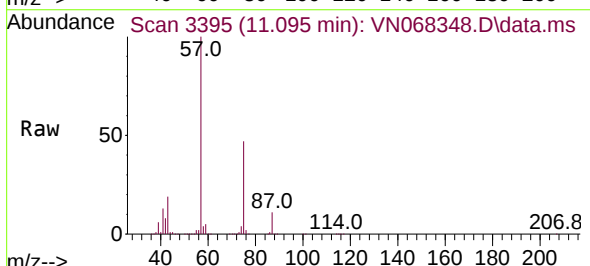
Instrument :
MSVOA_N
ClientSampled :

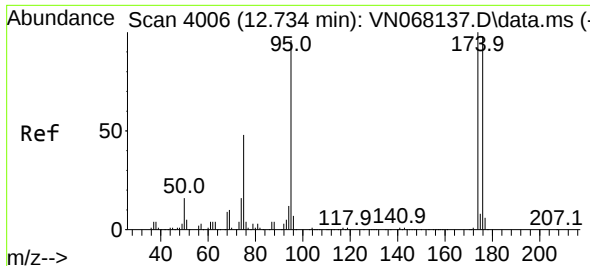
Tgt Ion: 76 Resp: 46491
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 138.851 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 43 Resp: 565075
Ion Ratio Lower Upper
43 100
58 20.2 24.7 74.1#

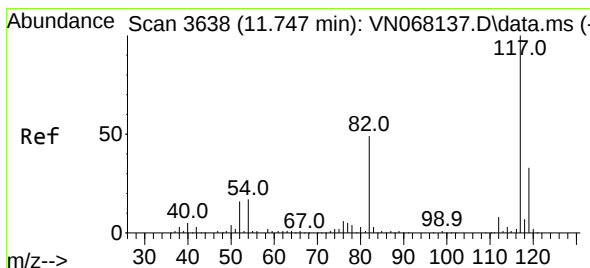
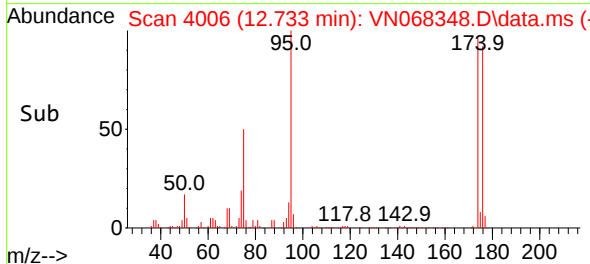
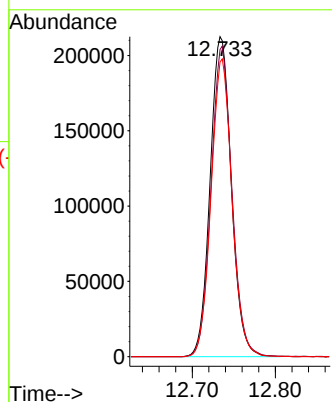
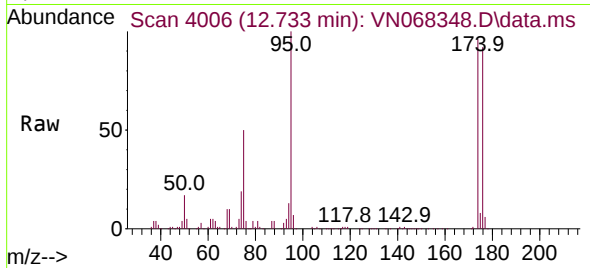




#62
4-Bromofluorobenzene
Concen: 55.386 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

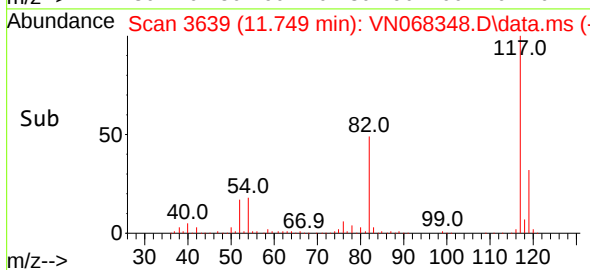
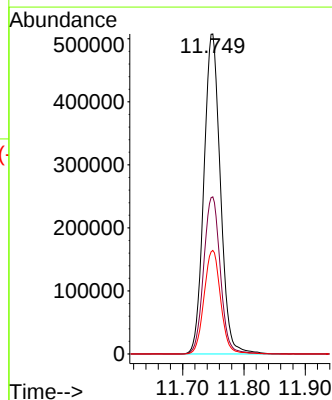
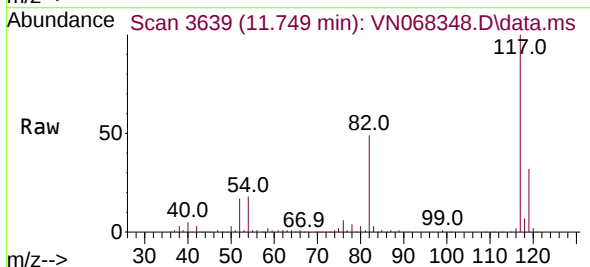
Instrument :
MSVOA_N
ClientSampled :

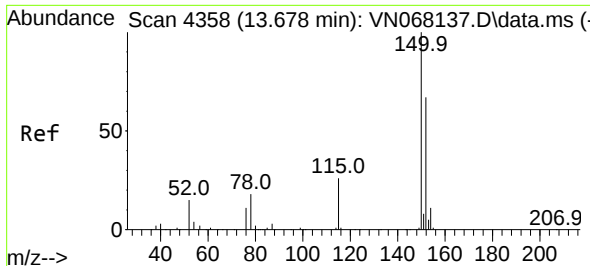
Tgt Ion: 95 Resp: 377252
Ion Ratio Lower Upper
95 100
174 95.6 0.0 122.0
176 91.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 117 Resp: 950740
Ion Ratio Lower Upper
117 100
82 49.1 53.1 79.7#
119 32.3 25.5 38.3

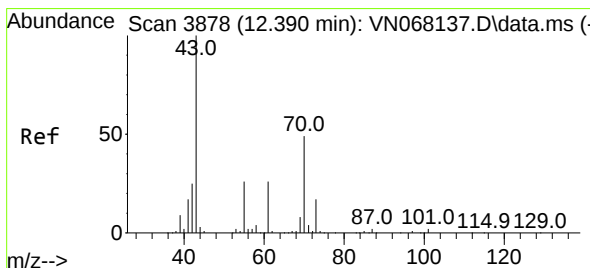
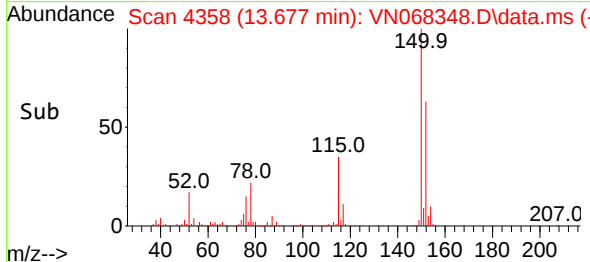
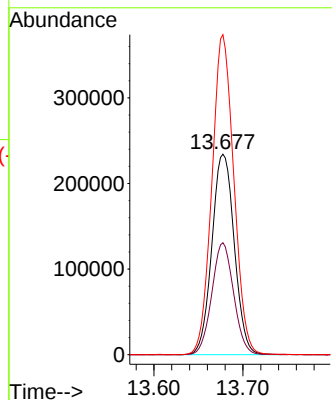
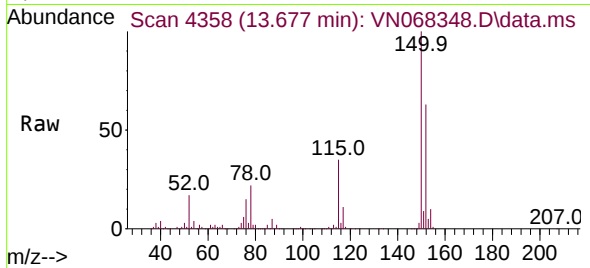




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

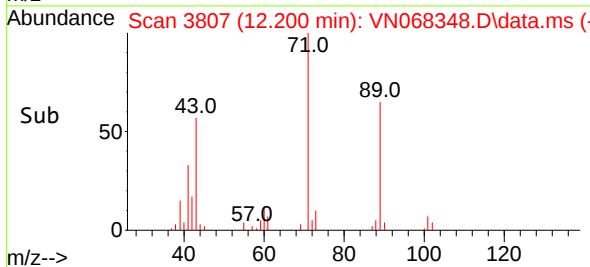
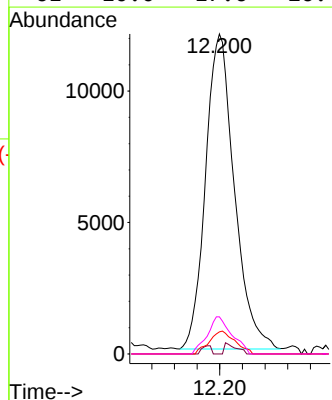
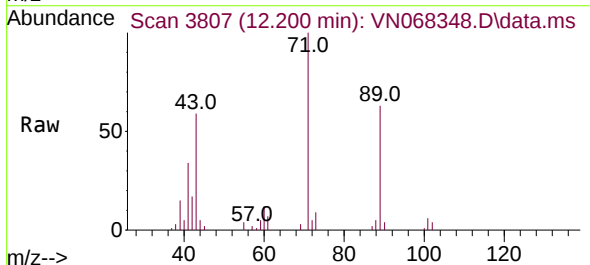
Instrument :
MSVOA_N
ClientSampled :

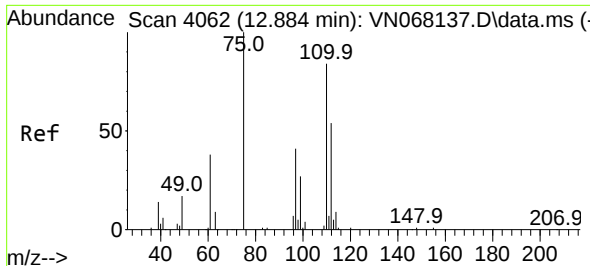
Tgt Ion:152 Resp: 410102
Ion Ratio Lower Upper
152 100
115 54.3 36.1 108.5
150 156.0 0.0 351.8



#74
N-ethyl acetate
Concen: 2.783 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 43 Resp: 21134
Ion Ratio Lower Upper
43 100
70 1.4 29.4 44.2#
55 6.5 17.0 25.4#
61 10.0 17.6 26.4#

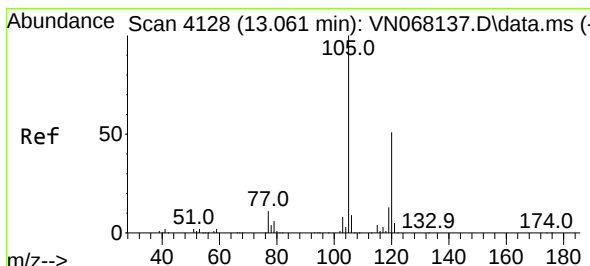
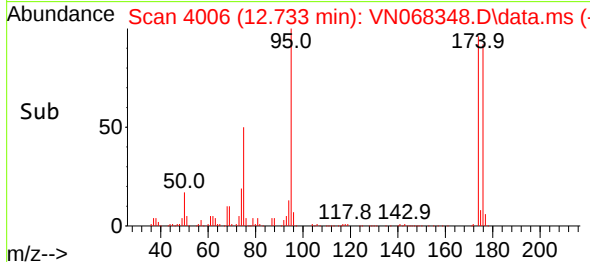
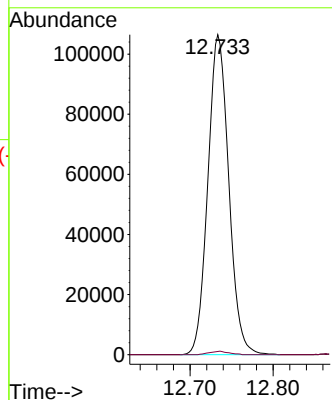
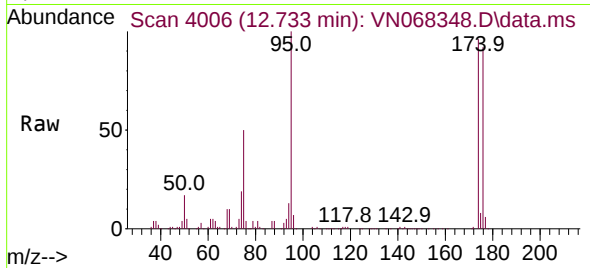




#76
1,2,3-Trichloropropane
Concen: 27.266 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

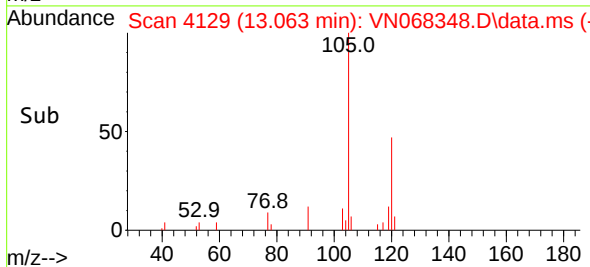
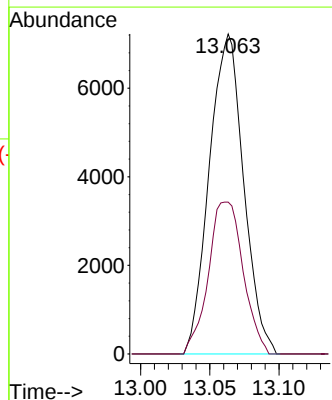
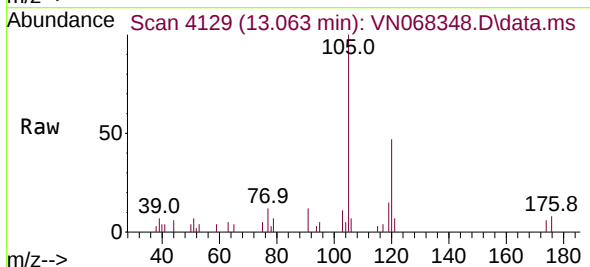
Instrument :
MSVOA_N
ClientSampled :

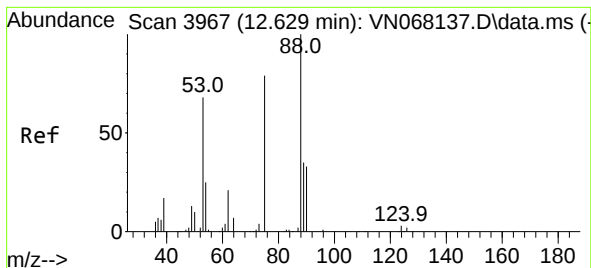
Tgt Ion: 75 Resp: 185851
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.528 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion: 105 Resp: 12461
Ion Ratio Lower Upper
105 100
120 48.1 22.2 66.6

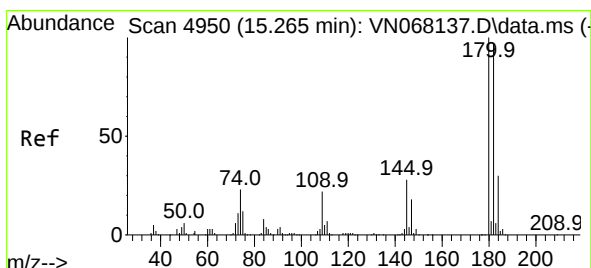
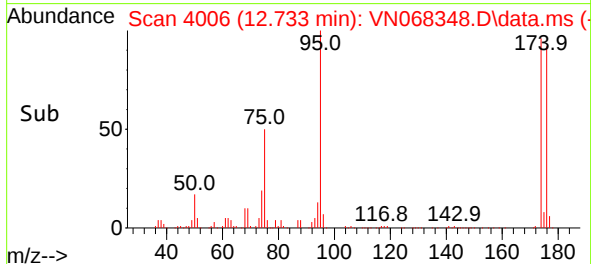
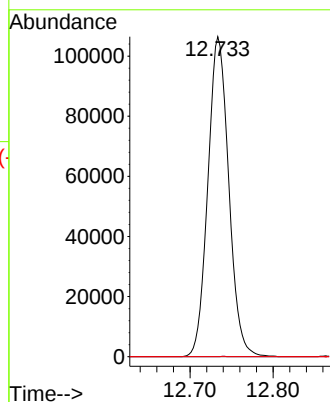
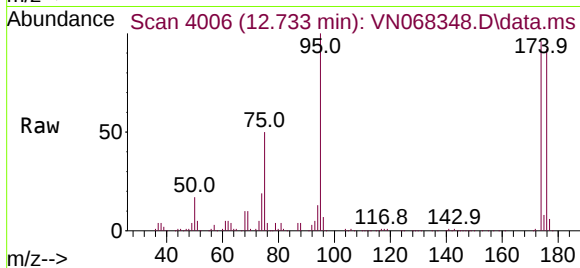




#81
trans-1,4-Dichloro-2-butene
Concen: 89.327 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

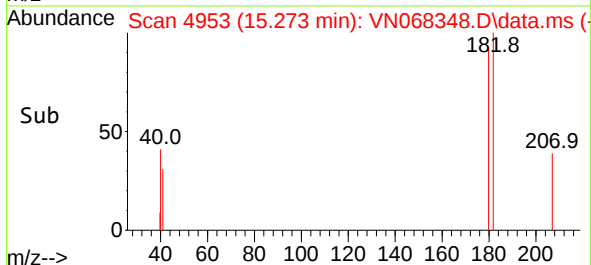
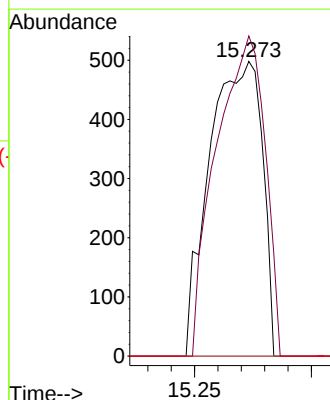
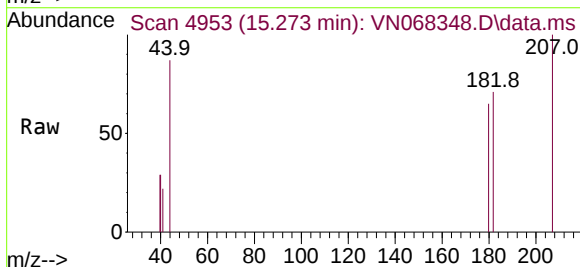
Instrument :
MSVOA_N
ClientSampled :

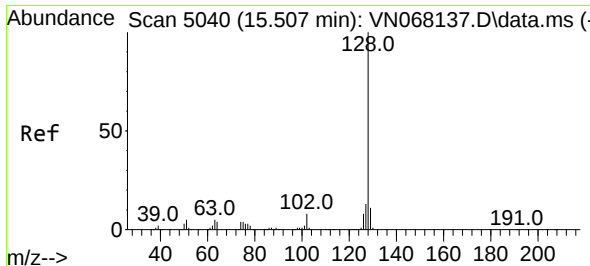
Tgt Ion: 75 Resp: 185851
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.793 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion:180 Resp: 783
Ion Ratio Lower Upper
180 100
182 100.5 47.5 142.5
145 0.0 17.2 51.6#

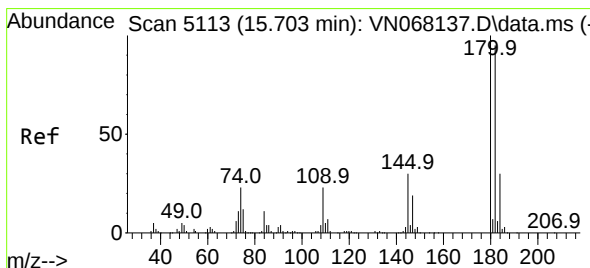
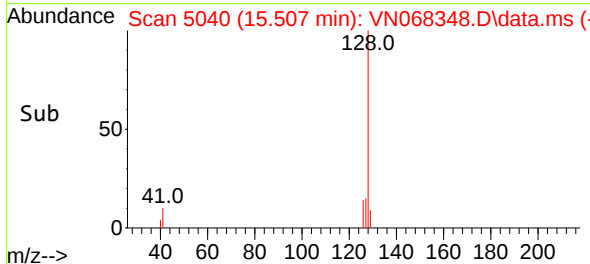
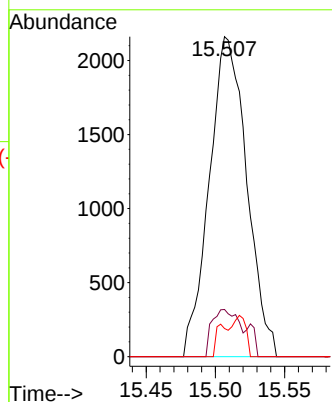
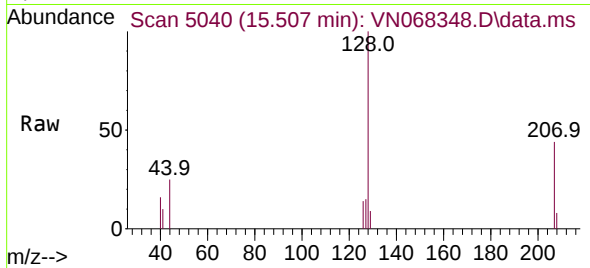




#95
Naphthalene
Concen: 3.580 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4061
Ion Ratio Lower Upper
128 100
127 10.4 10.6 15.8#
129 3.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.902 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.007 min
Lab File: VN068348.D
Acq: 27 Aug 2021 16:45

Tgt Ion:180 Resp: 485
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 10.9 18.2 54.6#

