

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068210.D
 Acq On : 19 Aug 2021 12:15
 Operator : JC/MD
 Sample : VN0819WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 19 13:03:41 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)

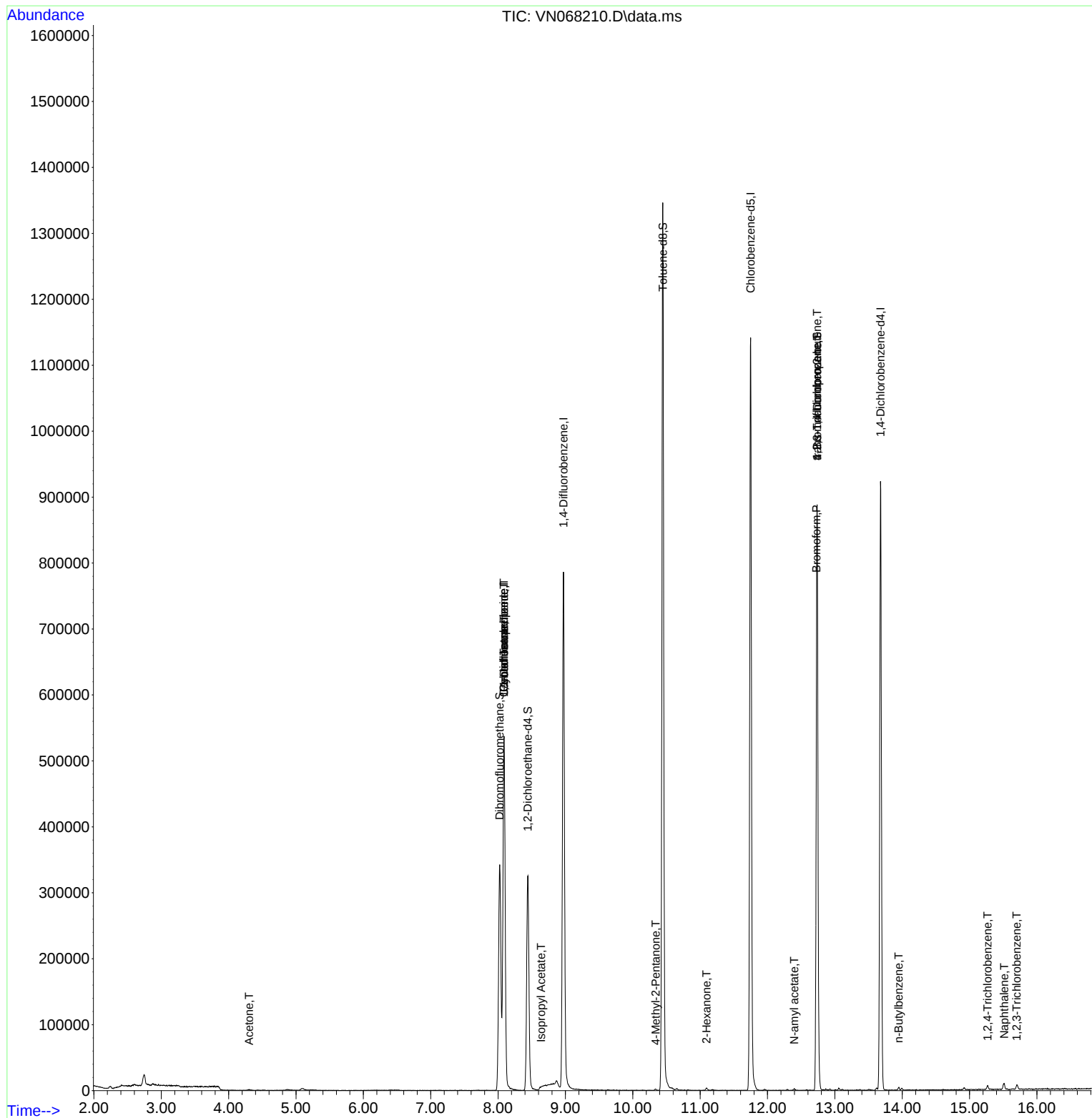
Internal Standards						
1) Pentafluorobenzene	8.088	168	446785	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	746295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	739891	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	276994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	278825	58.448	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.900%			
35) Dibromofluoromethane	8.024	113	254956	54.415	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.820%			
50) Toluene-d8	10.446	98	986094	55.234	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.460%			
62) 4-Bromofluorobenzene	12.736	95	303167	51.010	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.020%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	203	Below Cal	#	4
6) Chloroethane	3.172	64	50	Below Cal	#	44
13) Acrolein	4.044	56	101	Below Cal	#	14
16) Acetone	4.301	43	1906	1.368	ug/l	95
18) Methyl Acetate	4.856	43	1124	Below Cal	#	54
20) Methylene Chloride	5.098	84	2317	Below Cal	#	64
31) Cyclohexane	8.088	56	7814	1.244	ug/l	# 9
36) 1,1-Dichloropropene	8.086	75	30159	4.944	ug/l	# 52
38) Carbon Tetrachloride	8.086	117	42215	6.000	ug/l	# 17
43) Isopropyl Acetate	8.638	43	3276	0.394	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.341	43	1709	0.334	ug/l	# 81
59) 2-Hexanone	11.095	43	2629	0.740	ug/l	93
71) Bromoform	12.728	173	1125	0.245	ug/l	# 1
74) N-amyl acetate	12.396	43	1715	0.334	ug/l	# 82
76) 1,2,3-Trichloropropane	12.736	75	155480	33.771	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	155480	110.640	ug/l	# 6
89) n-Butylbenzene	13.946	91	2565	0.224	ug/l	90
93) 1,2,4-Trichlorobenzene	15.268	180	2260	3.148	ug/l	90
95) Naphthalene	15.515	128	9725	4.179	ug/l	# 94
96) 1,2,3-Trichlorobenzene	15.700	180	2824	3.439	ug/l	93

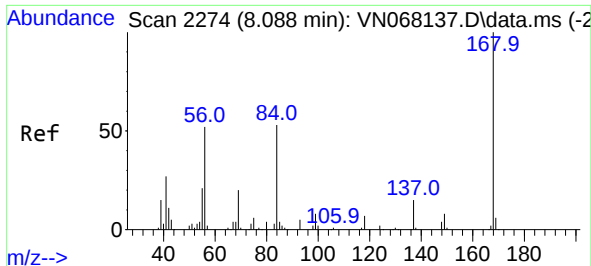
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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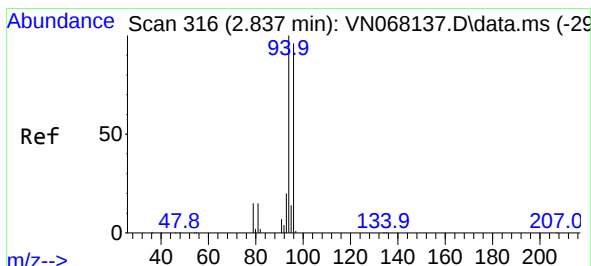
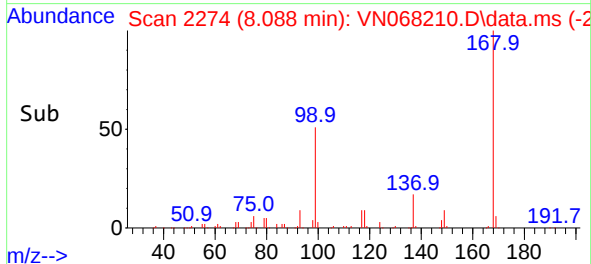
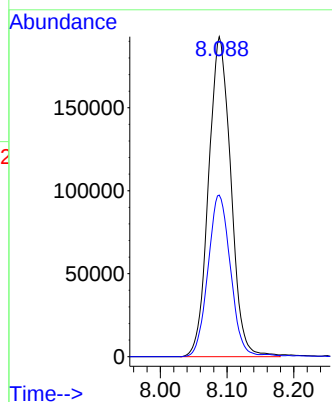
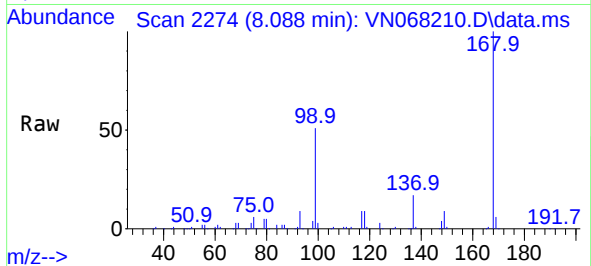




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

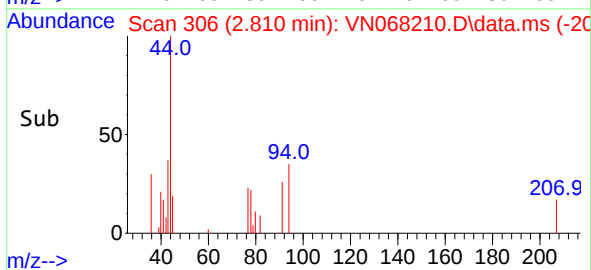
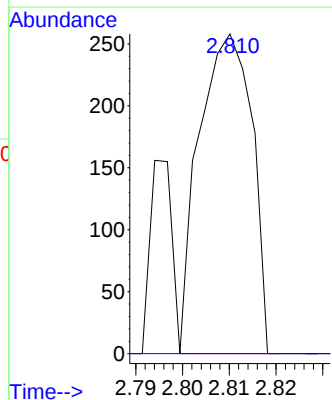
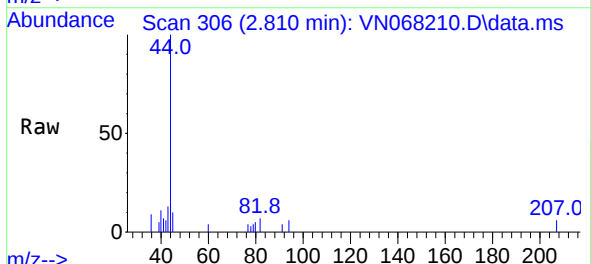
Instrument :
MSVOA_N
ClientSampled :

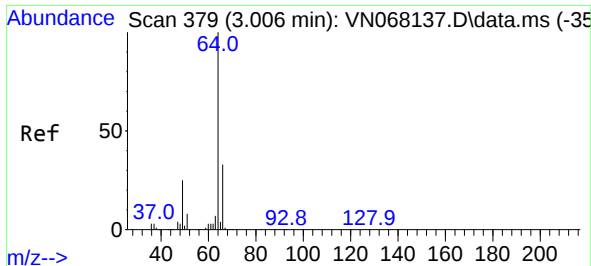
Tgt Ion:168 Resp: 446785
Ion Ratio Lower Upper
168 100
99 50.5 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 306
Delta R.T. -0.027 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 94 Resp: 203
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

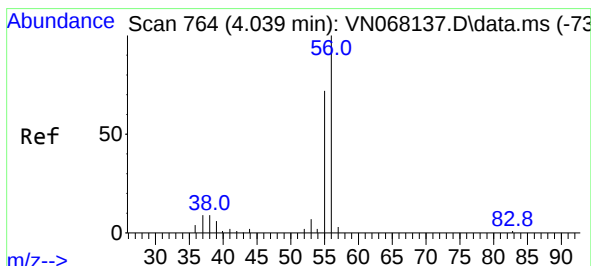
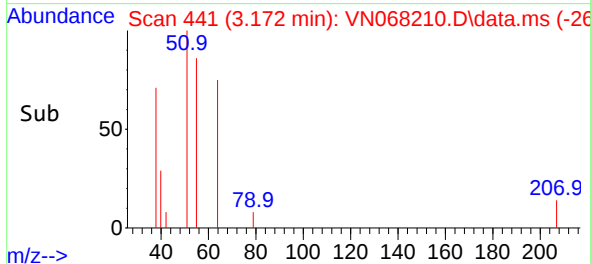
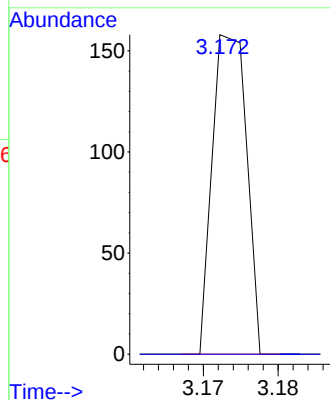
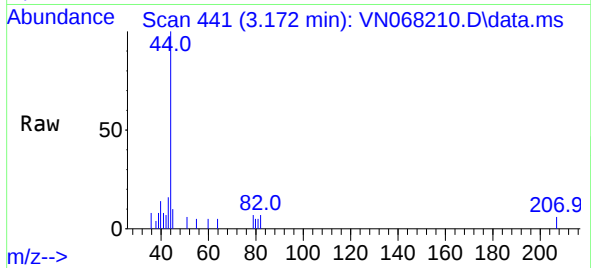




#6
Chloroethane
Concen: Below Cal
RT: 3.172 min Scan# 441
Delta R.T. 0.166 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

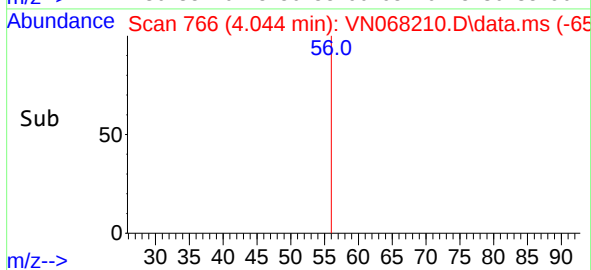
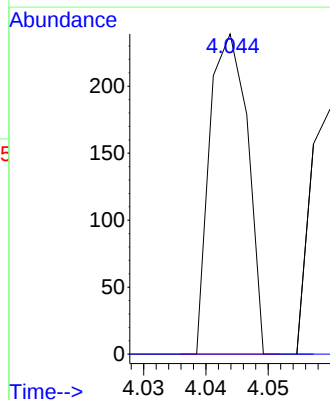
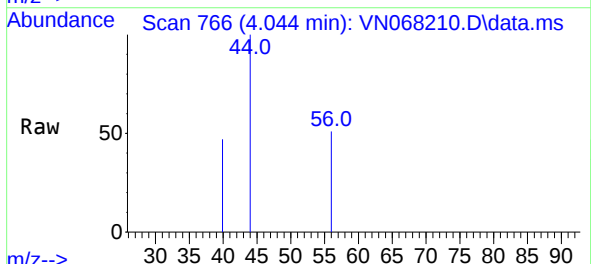
Instrument :
MSVOA_N
ClientSampled :

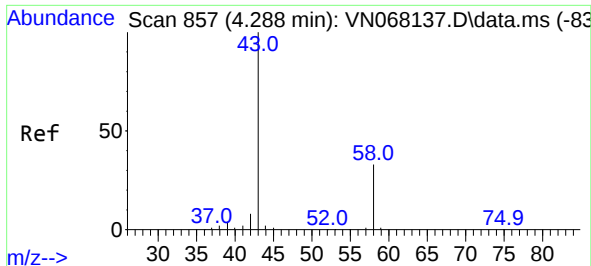
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 56 Resp: 101
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

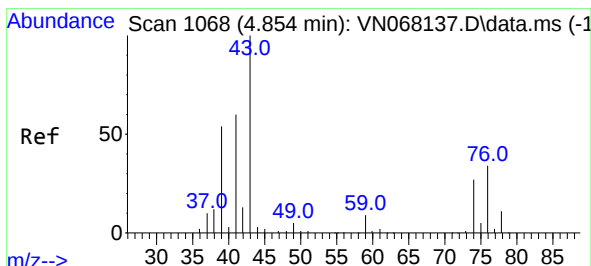
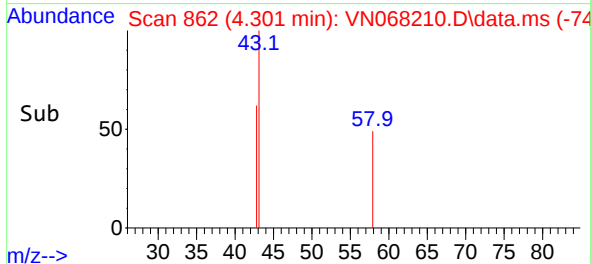
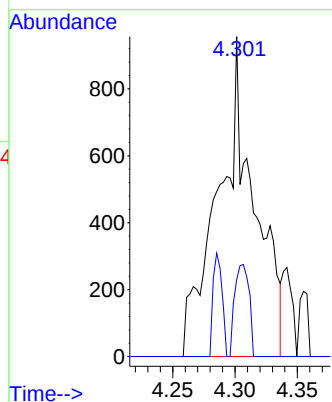
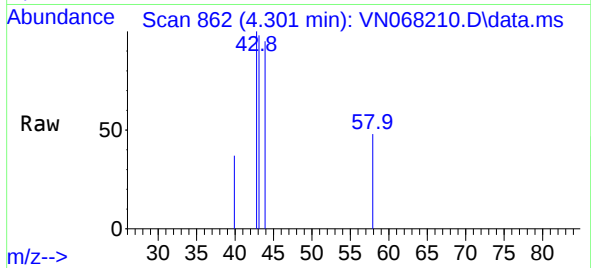




#16
Acetone
Concen: 1.368 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

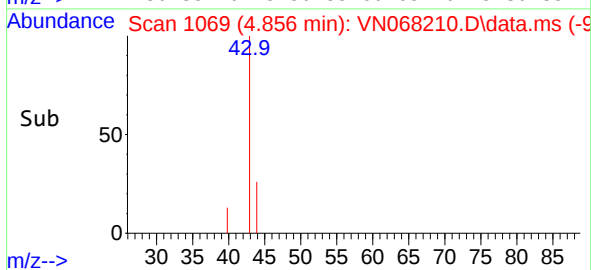
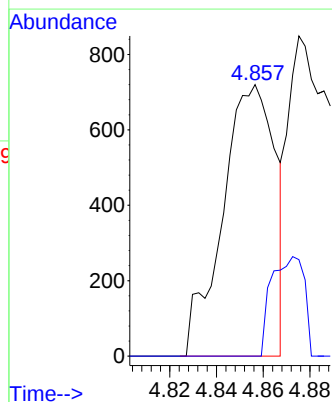
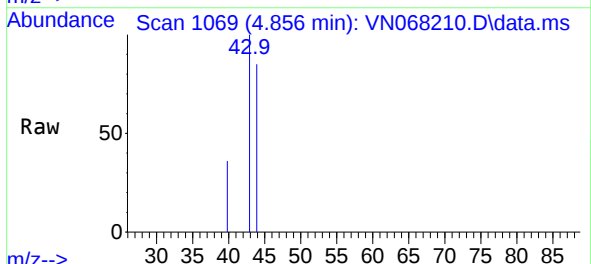
Instrument :
MSVOA_N
ClientSampleId :

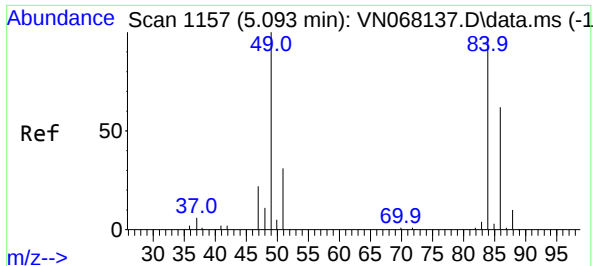
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 24.1 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 43 Resp: 1124
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



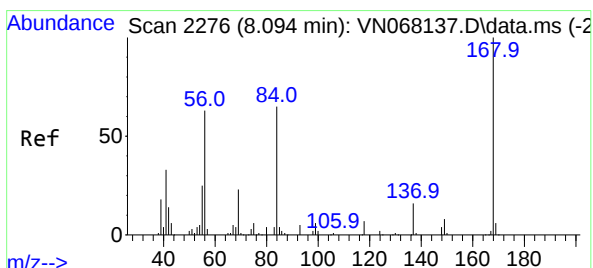
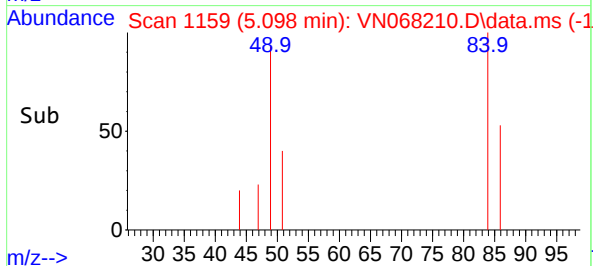
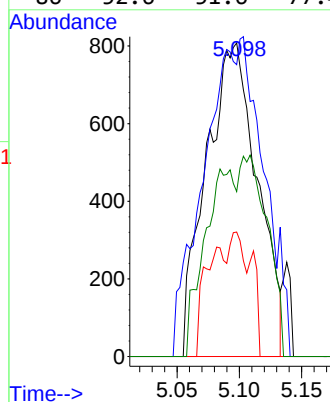
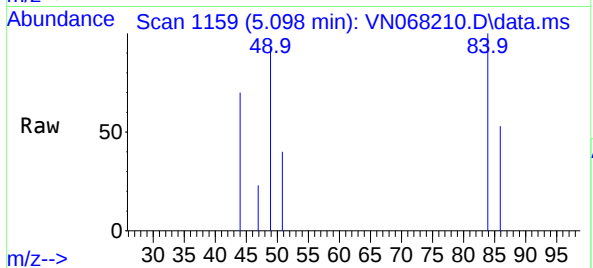


#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 2317

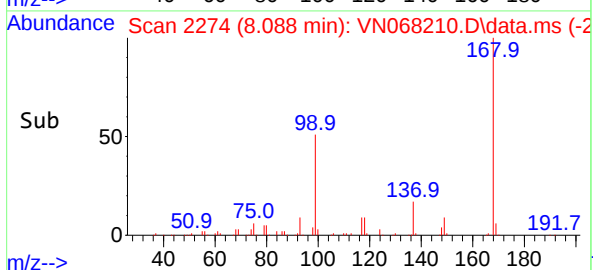
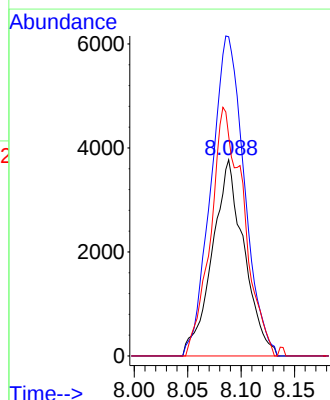
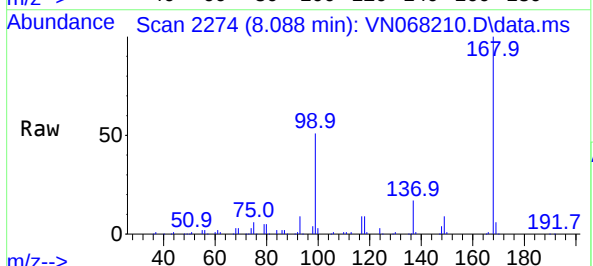
Ion	Ratio	Lower	Upper
84	100		
49	71.0	110.9	166.3#
51	39.7	32.6	49.0
86	52.6	51.6	77.4

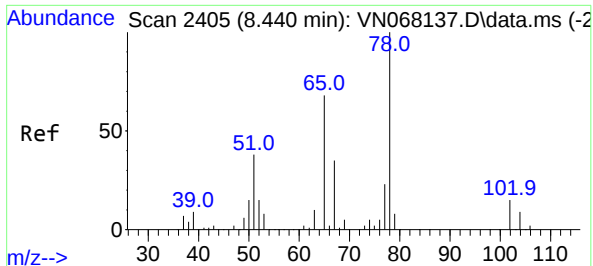


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 56 Resp: 7814

Ion	Ratio	Lower	Upper
56	100		
69	162.7	27.3	40.9#
84	112.1	64.9	97.3#

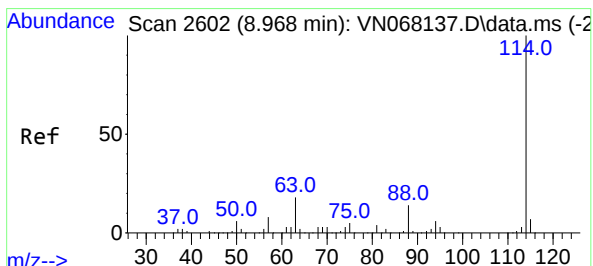
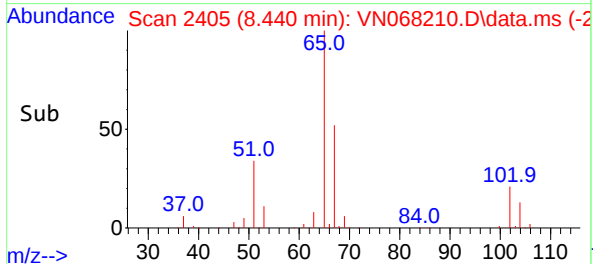
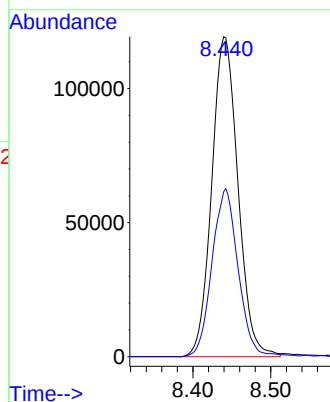
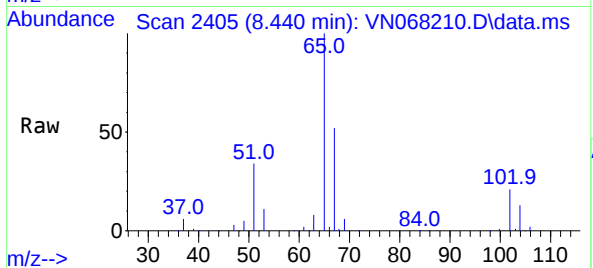




#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

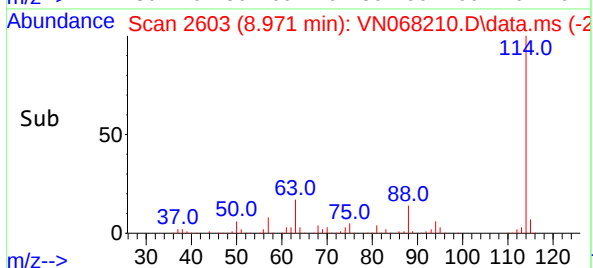
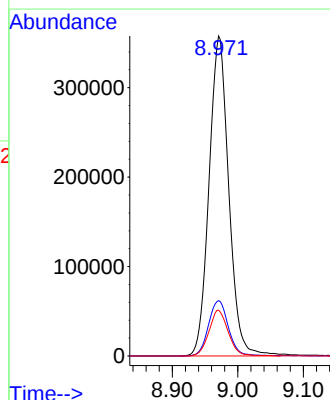
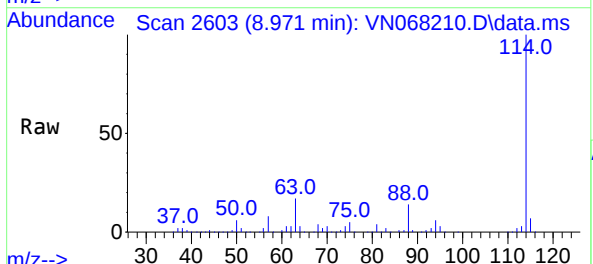
Instrument :
MSVOA_N
ClientSampled :

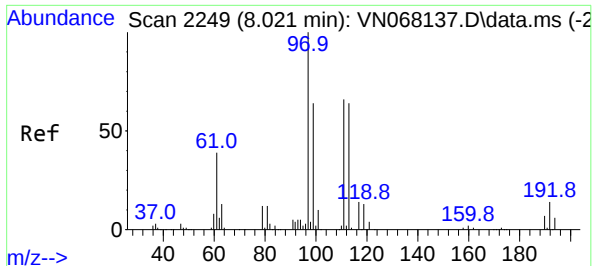
Tgt Ion: 65 Resp: 278825
Ion Ratio Lower Upper
65 100
67 52.3 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 114 Resp: 746295
Ion Ratio Lower Upper
114 100
63 17.3 0.0 49.0
88 14.3 0.0 36.6

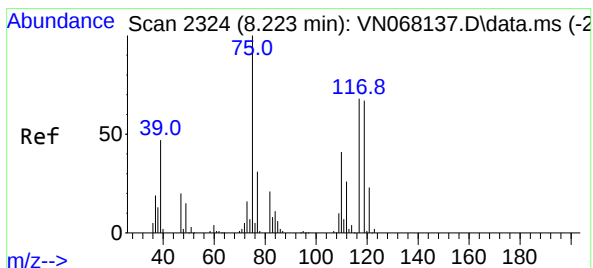
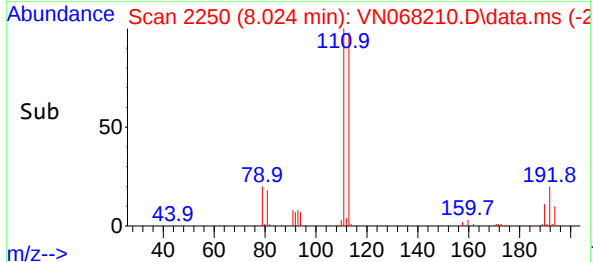
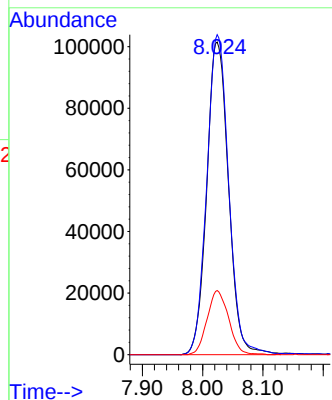
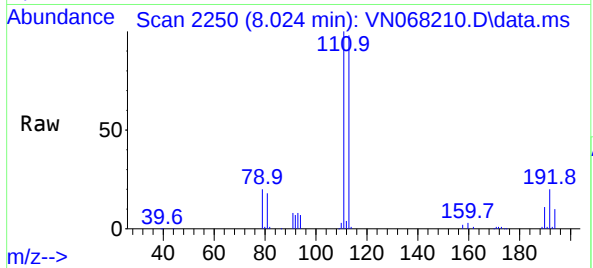




#35
Dibromofluoromethane
Concen: 54.415 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

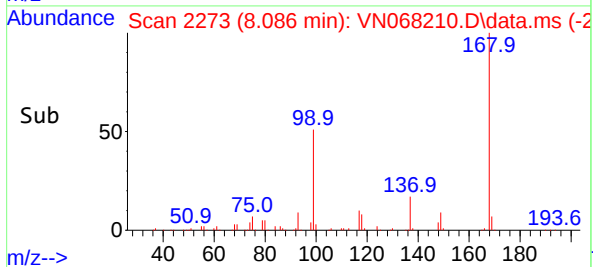
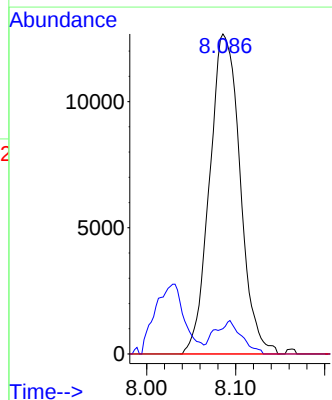
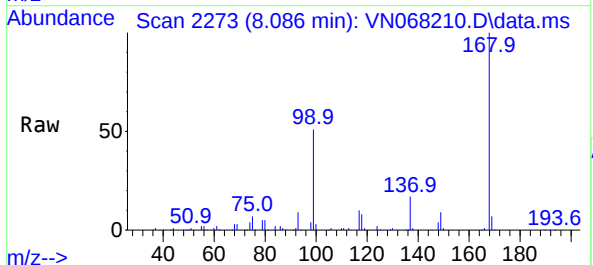
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ClientSampleId :

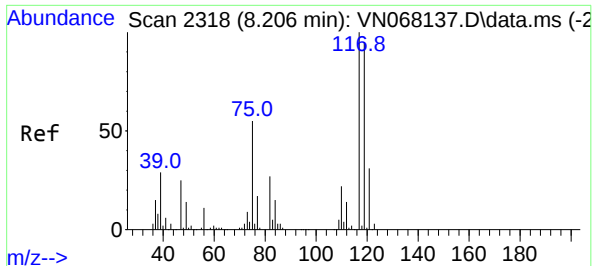
Tgt Ion:113 Resp: 254956
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 20.3 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

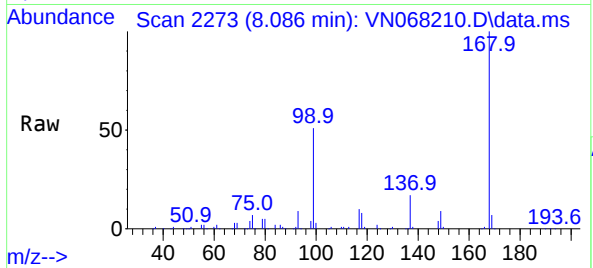
Tgt Ion: 75 Resp: 30159
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#



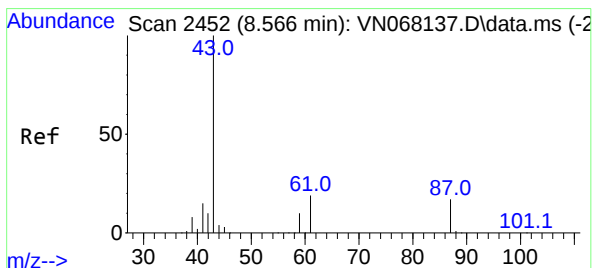
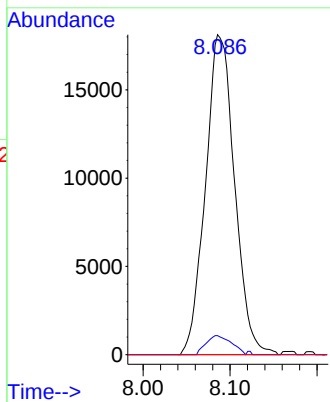
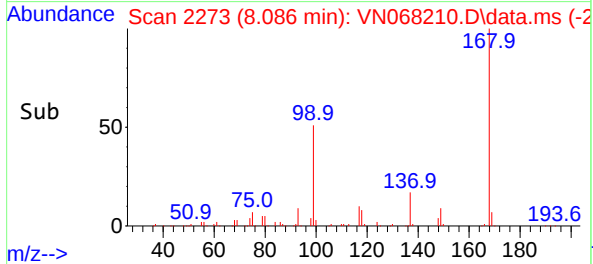


#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

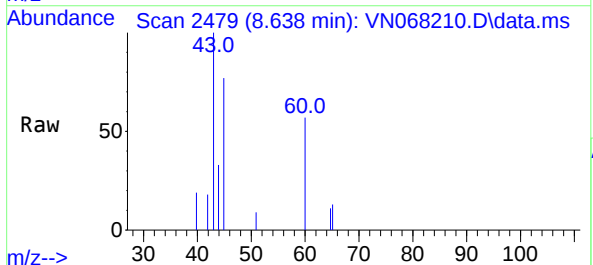
Instrument :
MSVOA_N
ClientSampled :



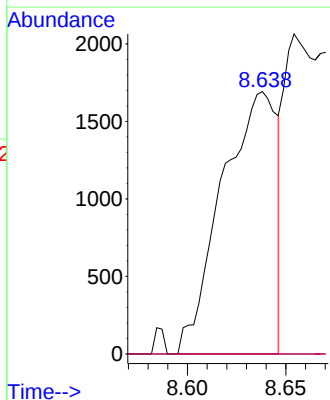
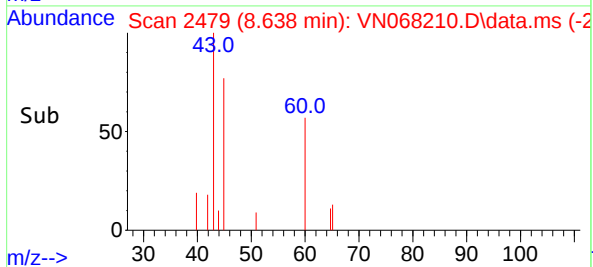
Tgt Ion:117 Resp: 42215
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#

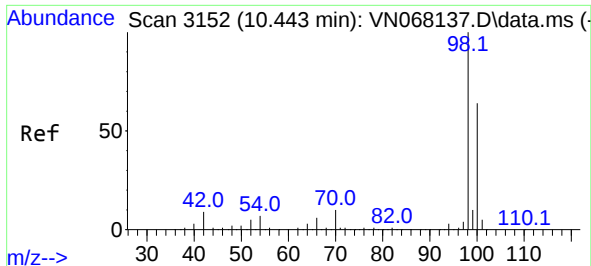


#43
Isopropyl Acetate
Concen: 0.394 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.072 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15



Tgt Ion: 43 Resp: 3276
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

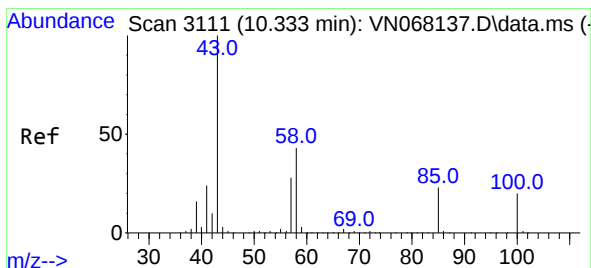
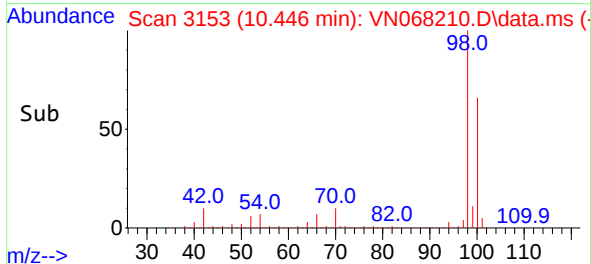
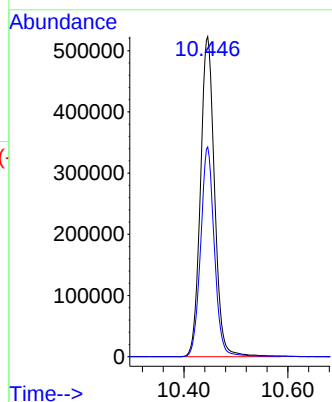
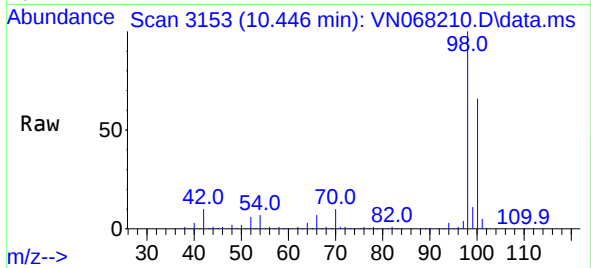




#50
Toluene-d8
Concen: 55.234 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

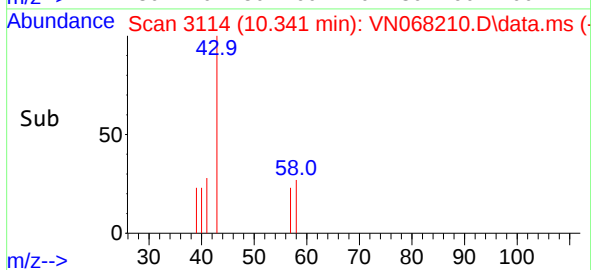
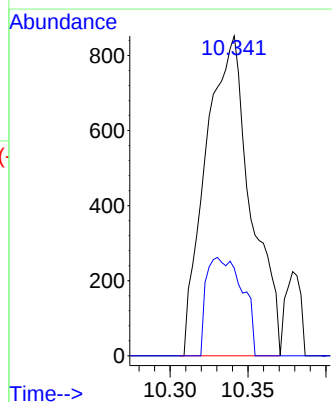
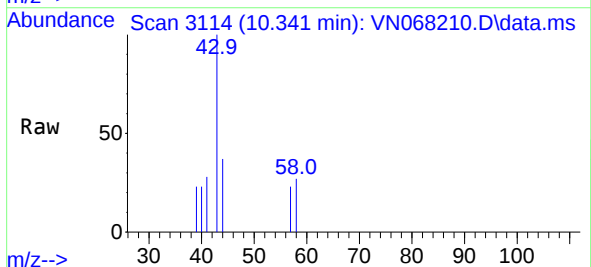
Instrument :
MSVOA_N
ClientSampled :

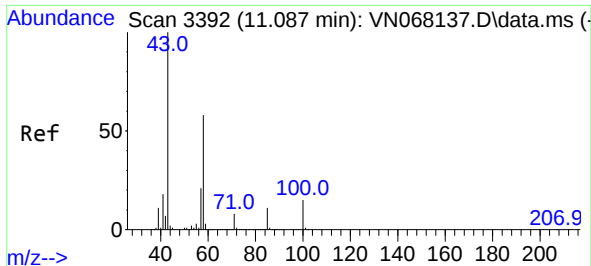
Tgt Ion: 98 Resp: 986094
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.334 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

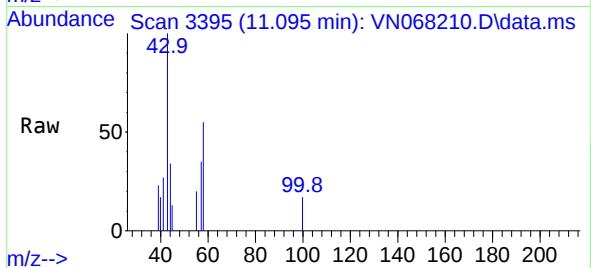
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 24.5 28.6 43.0#



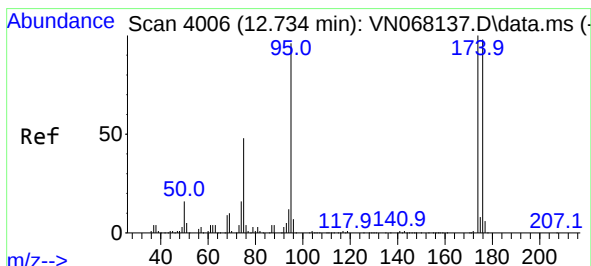
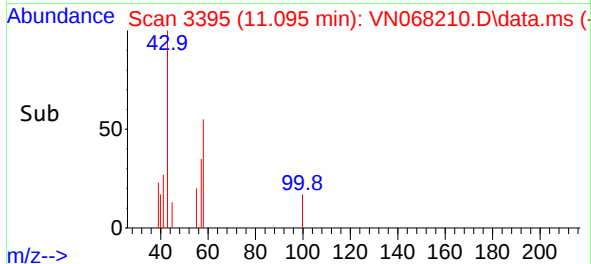
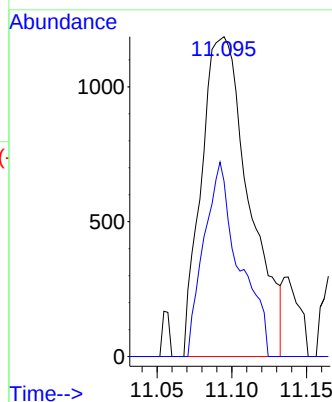


#59
2-Hexanone
Concen: 0.740 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Instrument :
MSVOA_N
ClientSampled :

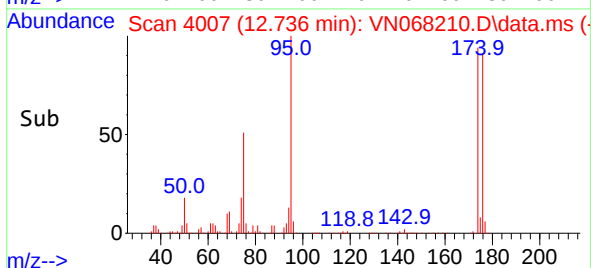
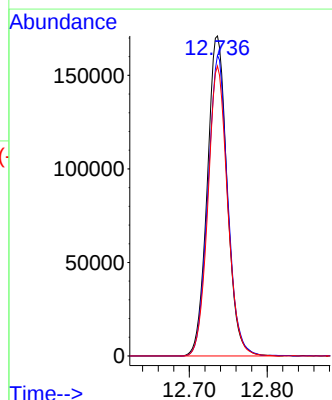
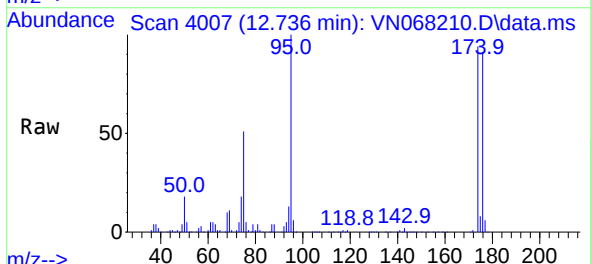


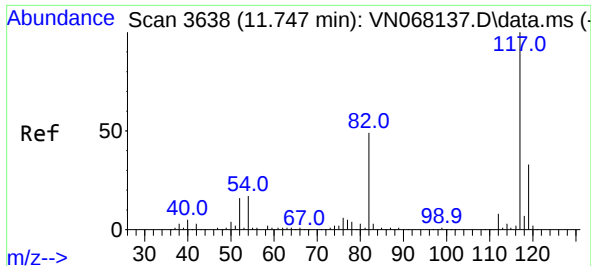
Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
58 44.8 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 51.010 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 95 Resp: 303167
Ion Ratio Lower Upper
95 100
174 93.9 0.0 122.0
176 89.5 0.0 117.6

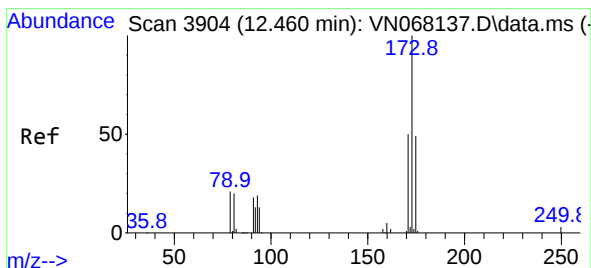
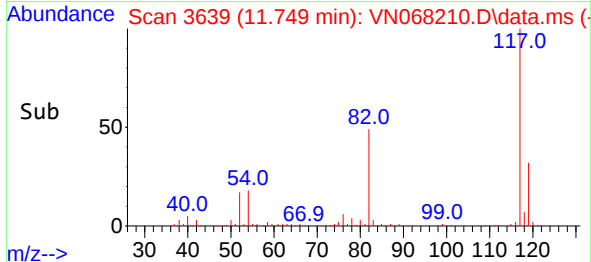
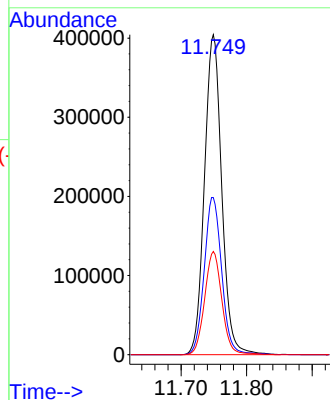
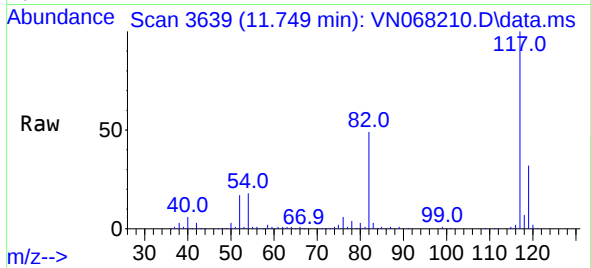




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

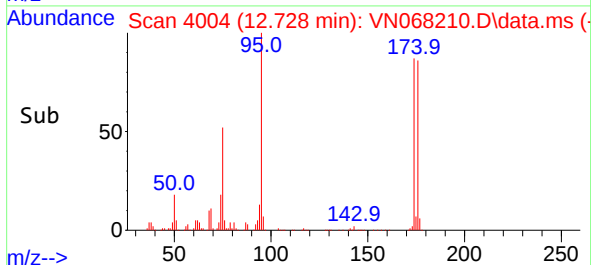
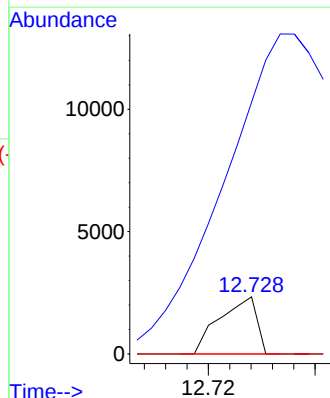
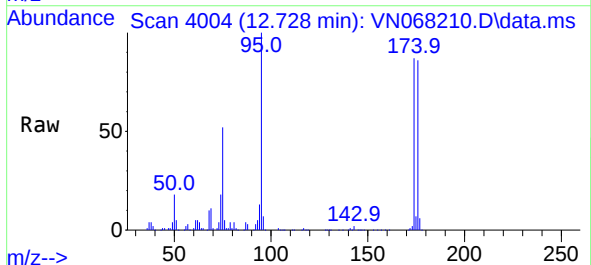
Instrument :
MSVOA_N
ClientSampleId :

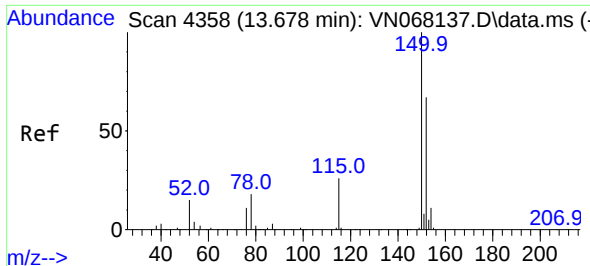
Tgt Ion:117 Resp: 739891
Ion Ratio Lower Upper
117 100
82 49.1 53.1 79.7#
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.245 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion:173 Resp: 1125
Ion Ratio Lower Upper
173 100
175 1825.0 23.9 71.8#
254 0.0 0.0 0.0

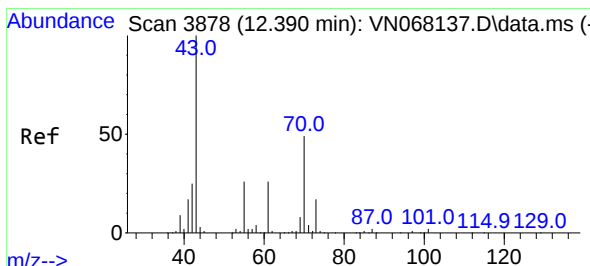
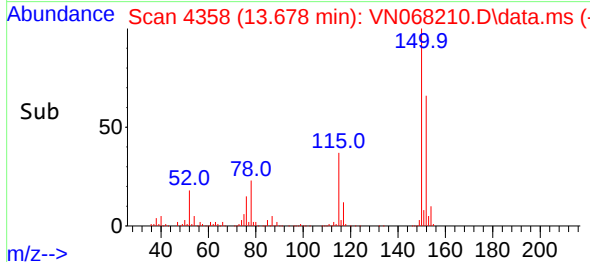
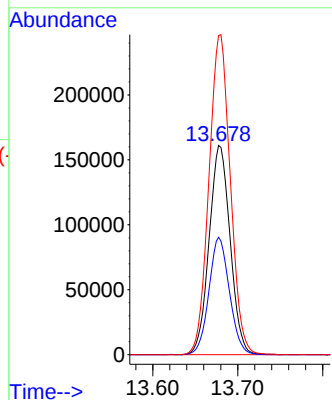
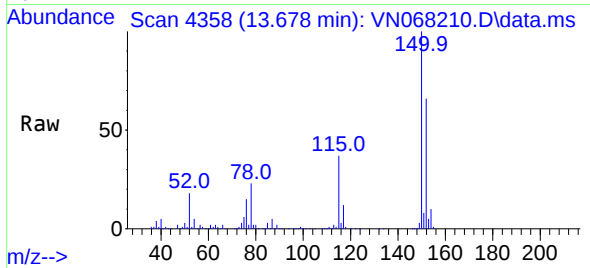




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

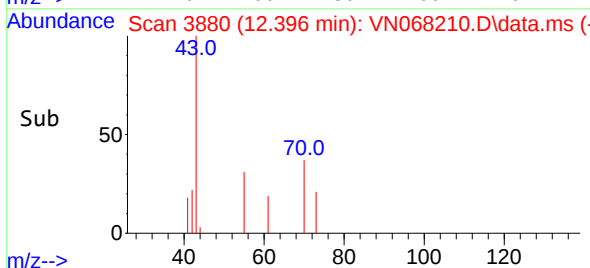
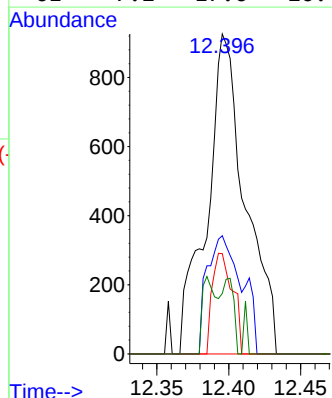
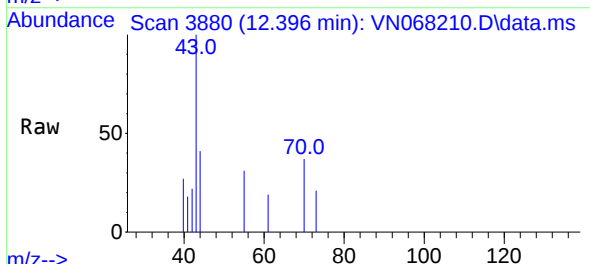
Instrument :
MSVOA_N
ClientSampleId :

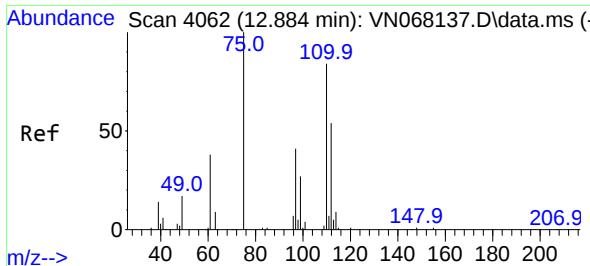
Tgt Ion:152 Resp: 276994
Ion Ratio Lower Upper
152 100
115 54.7 36.1 108.5
150 155.4 0.0 351.8



#74
N-ethyl acetate
Concen: 0.334 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.006 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
70 27.7 29.4 44.2#
55 16.6 17.0 25.4#
61 7.2 17.6 26.4#

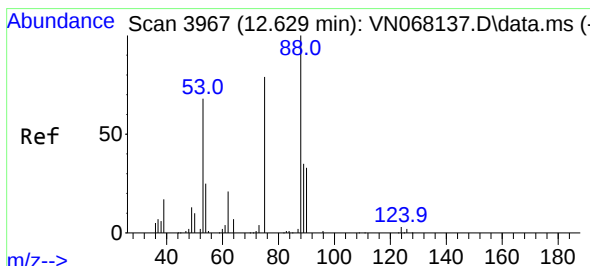
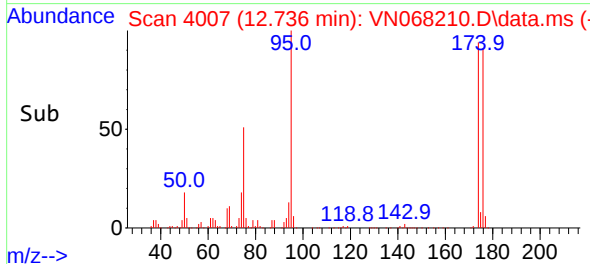
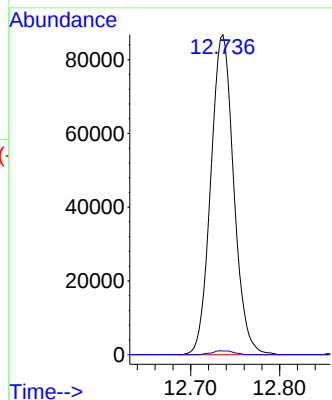
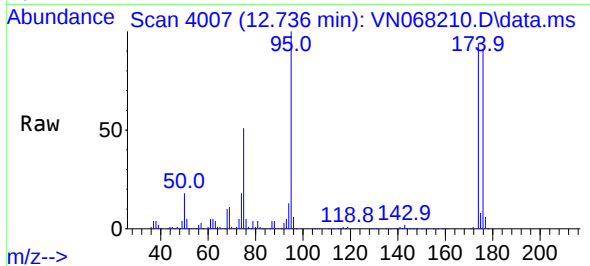




#76
1,2,3-Trichloropropane
Concen: 33.771 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

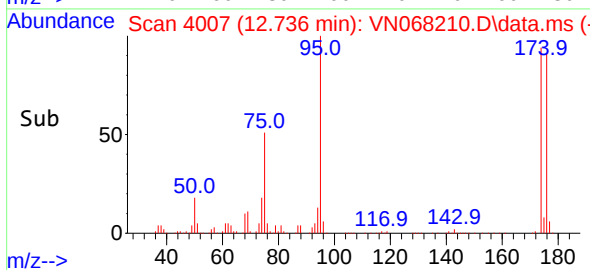
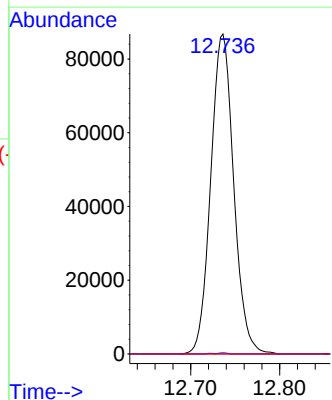
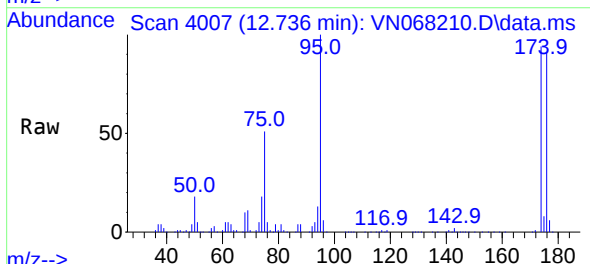
Instrument :
MSVOA_N
ClientSampled :

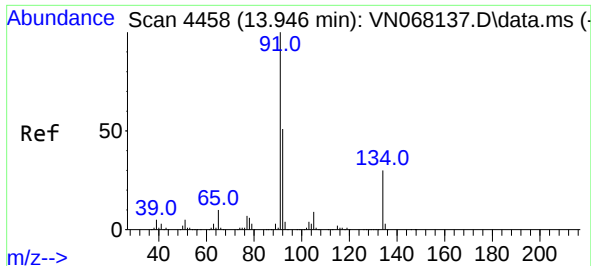
Tgt Ion: 75 Resp: 155480
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.640 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion: 75 Resp: 155480
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

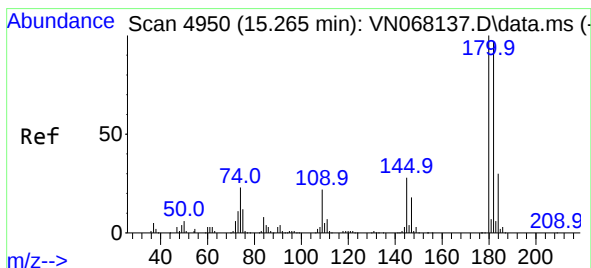
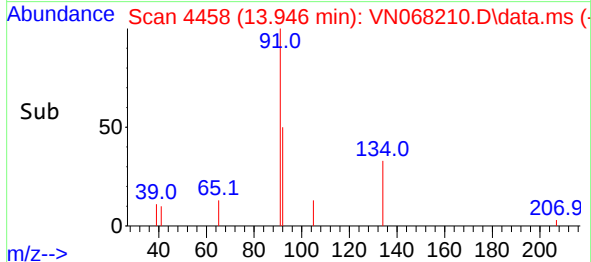
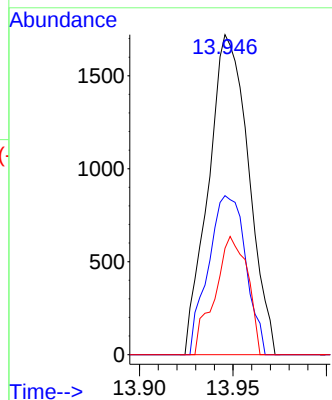
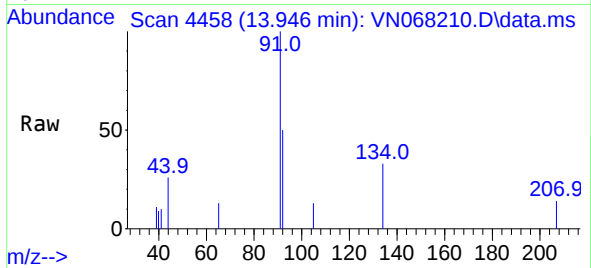




#89
n-Butylbenzene
Concen: 0.224 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

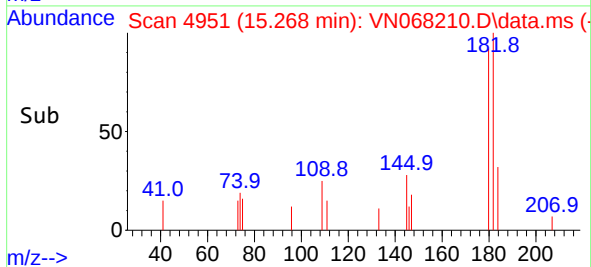
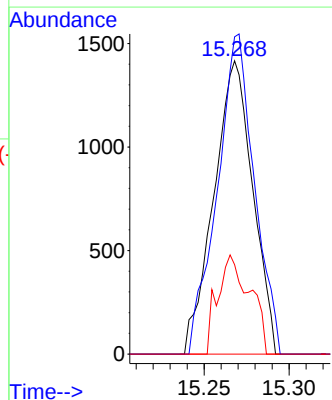
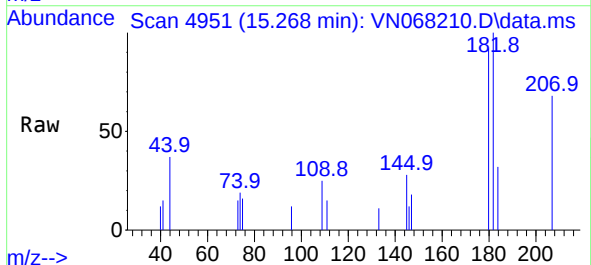
Instrument :
MSVOA_N
ClientSampleId :

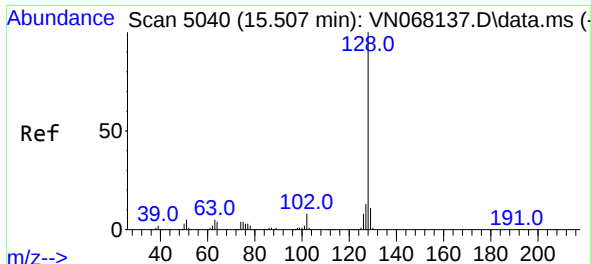
Tgt Ion:	91	Resp:	2565
Ion	Ratio	Lower	Upper
91	100		
92	46.5	25.7	77.1
134	30.1	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.148 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion:	180	Resp:	2260
Ion	Ratio	Lower	Upper
180	100		
182	103.8	47.5	142.5
145	27.8	17.2	51.6

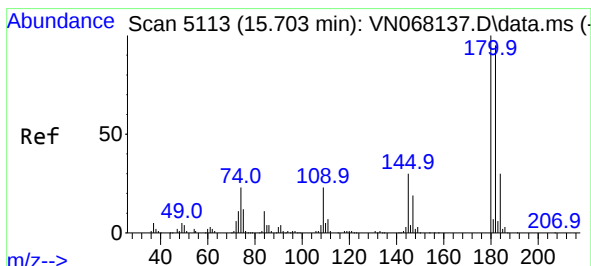
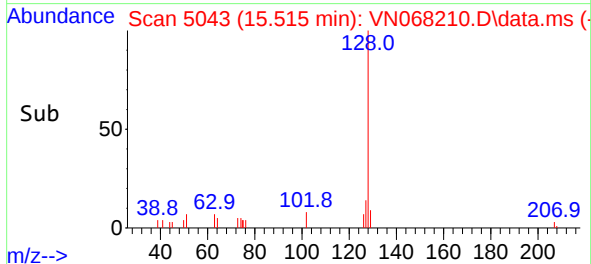
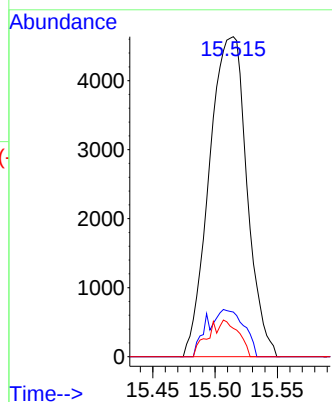
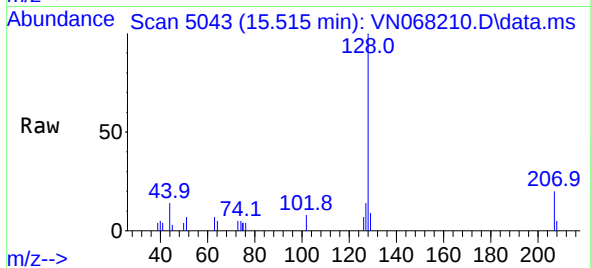




#95
Naphthalene
Concen: 4.179 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	9725
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.6	15.8#
129	9.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.439 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068210.D
Acq: 19 Aug 2021 12:15

Tgt Ion:	180	Resp:	2824
Ion	Ratio	Lower	Upper
180	100		
182	101.8	47.8	143.3
145	30.5	18.2	54.6

