

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068583.D
 Acq On : 21 Sep 2021 15:36
 Operator : JC/MD
 Sample : M3781-06DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 16:11:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

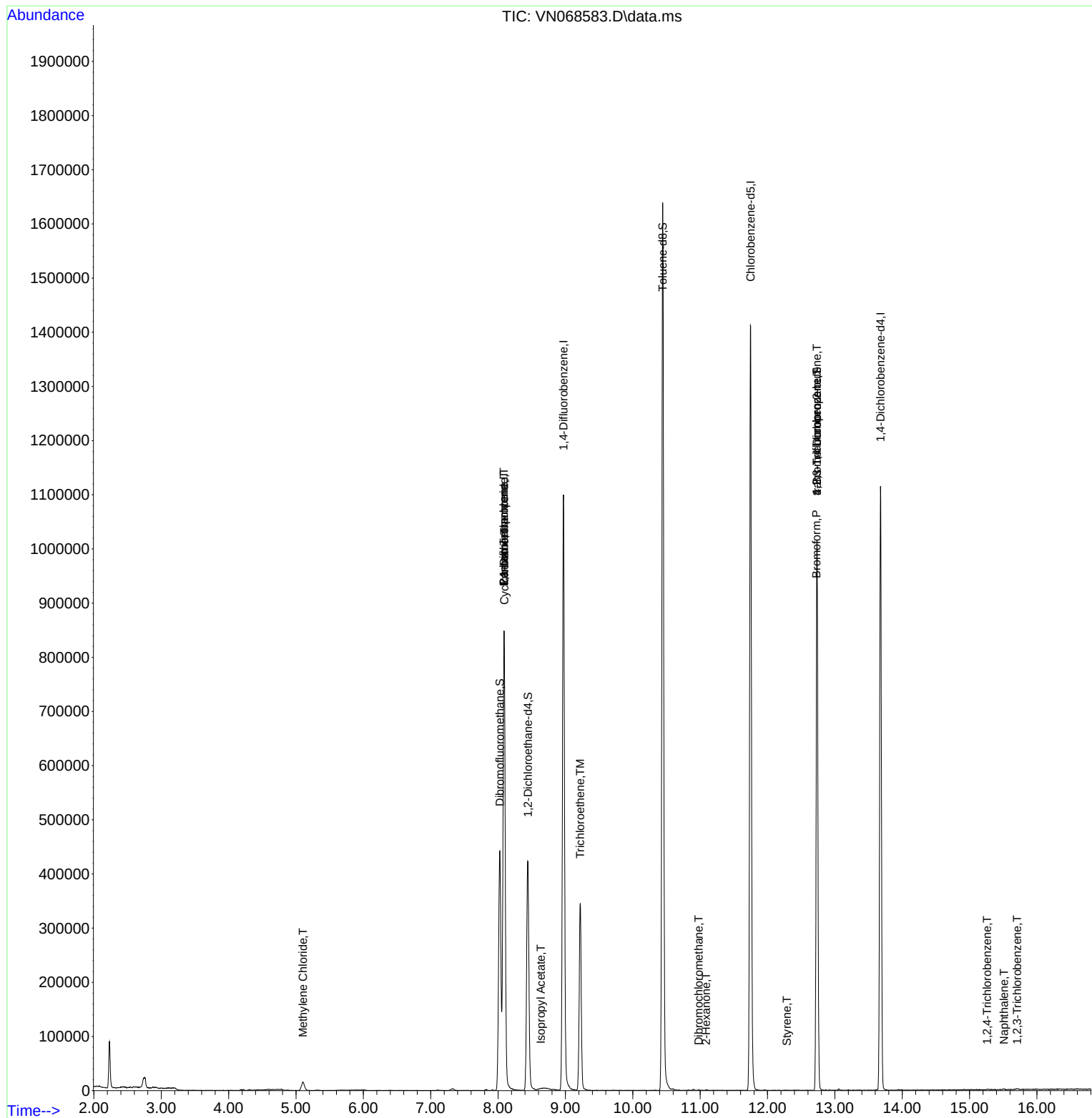
Internal Standards						
1) Pentafluorobenzene	8.088	168	716021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1055802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	922264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	332260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	360735	54.923	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.840%			
35) Dibromofluoromethane	8.027	113	325118	51.056	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.120%			
50) Toluene-d8	10.443	98	1235419	47.496	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.000%			
62) 4-Bromofluorobenzene	12.733	95	350781	41.515	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.040%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	650	Below Cal		93
5) Bromomethane	2.877	94	1218	Below Cal	#	56
11) Tert butyl alcohol	5.326	59	337	Below Cal	#	84
16) Acetone	4.291	43	596	Below Cal		92
18) Methyl Acetate	4.862	43	503	Below Cal	#	45
20) Methylene Chloride	5.103	84	13809	0.898	ug/l	94
31) Cyclohexane	8.094	56	12388	1.245	ug/l #	33
36) 1,1-Dichloropropene	8.088	75	45506	5.170	ug/l #	47
38) Carbon Tetrachloride	8.088	117	66663	6.322	ug/l #	15
43) Isopropyl Acetate	8.635	43	2770	0.234	ug/l #	51
44) Trichloroethene	9.220	130	134798	16.340	ug/l	95
59) 2-Hexanone	11.087	43	1081	0.239	ug/l #	39
60) Dibromochloromethane	10.979	129	338	1.838	ug/l #	11
70) Styrene	12.288	104	25	1.755	ug/l #	27
71) Bromoform	12.728	173	877	2.645	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	181851	39.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	181851	121.296	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.260	180	693	3.064	ug/l #	41
95) Naphthalene	15.512	128	1705	3.617	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.705	180	627	3.075	ug/l #	78

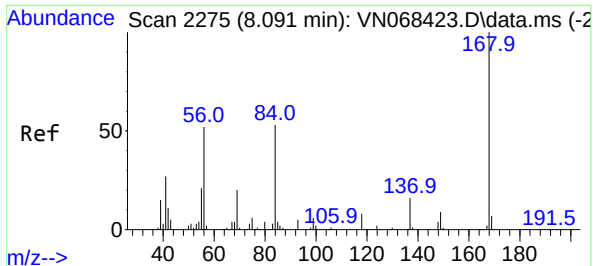
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 21 16:11:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration

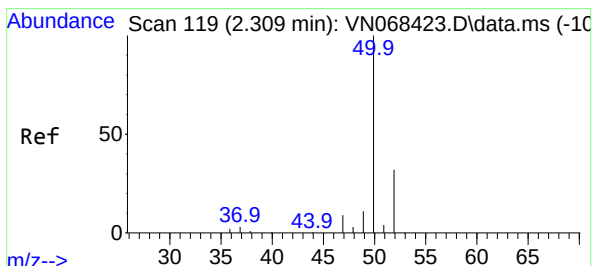
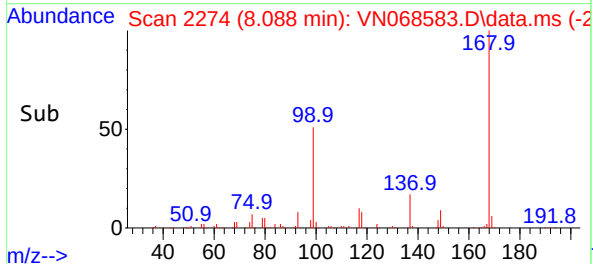
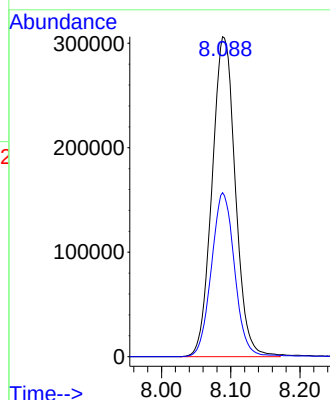
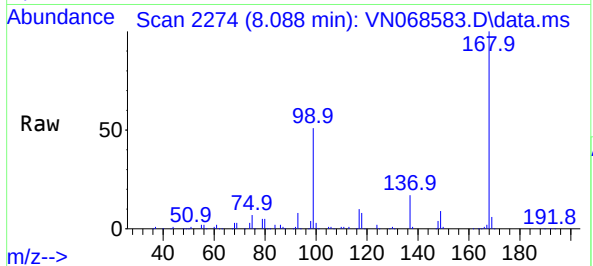




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

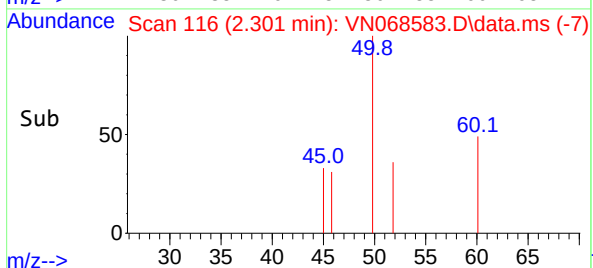
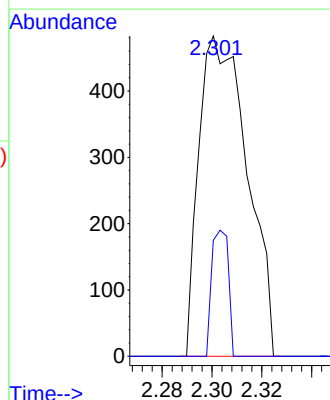
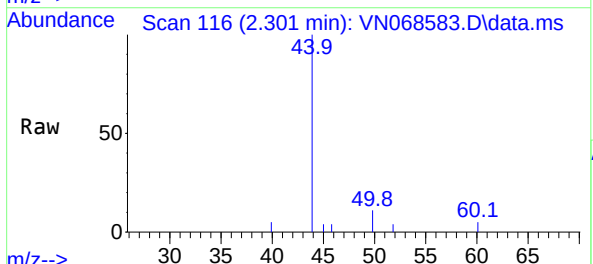
Instrument :
MSVOA_N
ClientSampled :

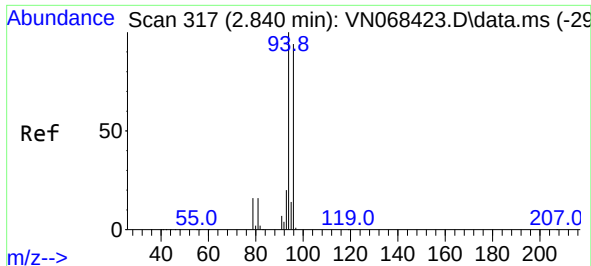
Tgt Ion:168 Resp: 716021
Ion Ratio Lower Upper
168 100
99 51.3 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.008 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 50 Resp: 650
Ion Ratio Lower Upper
50 100
52 36.2 25.8 38.6

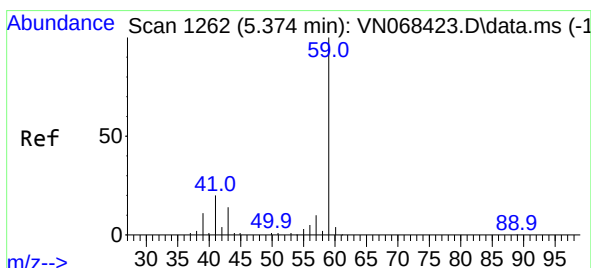
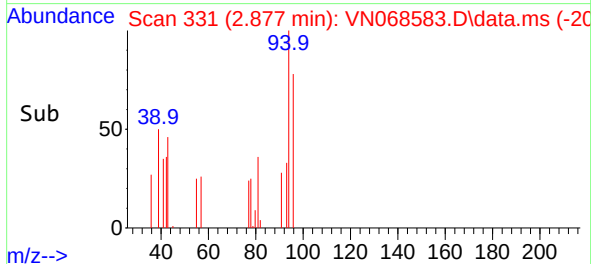
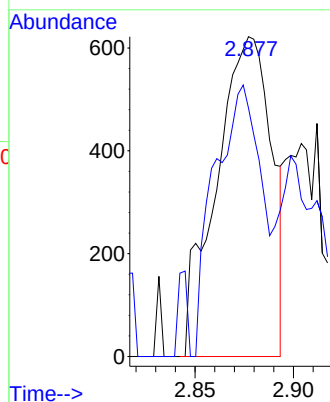
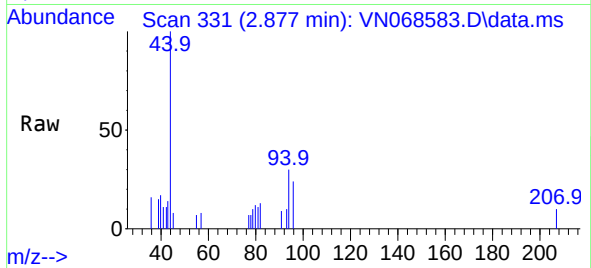




#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.037 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

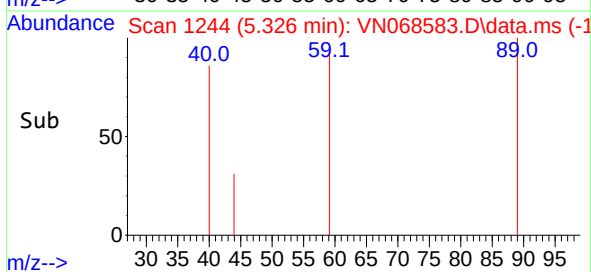
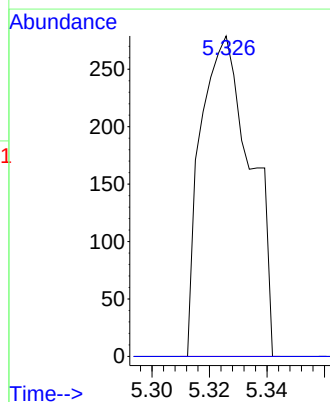
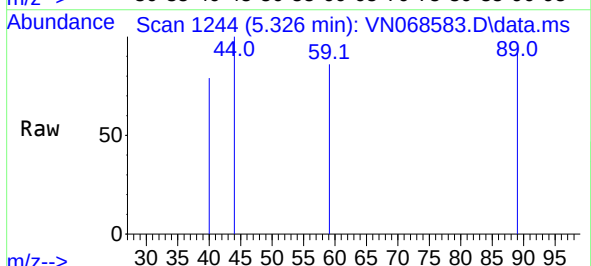
Instrument :
MSVOA_N
ClientSampled :

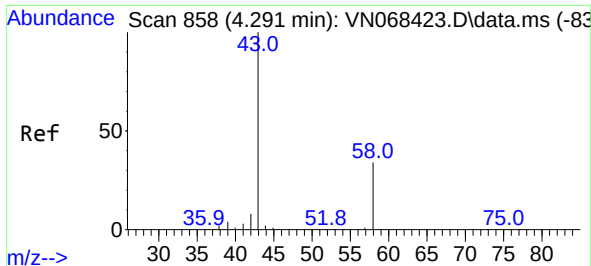
Tgt Ion: 94 Resp: 1218
Ion Ratio Lower Upper
94 100
96 51.6 75.4 113.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.326 min Scan# 1244
Delta R.T. -0.048 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

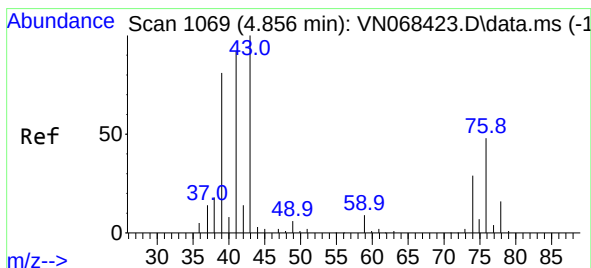
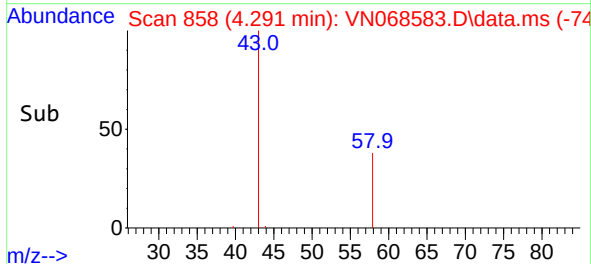
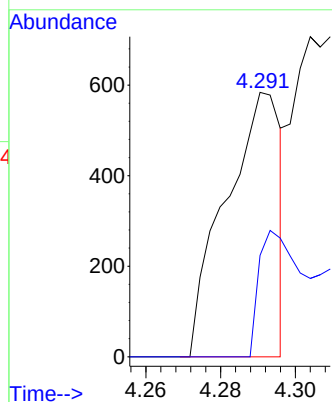
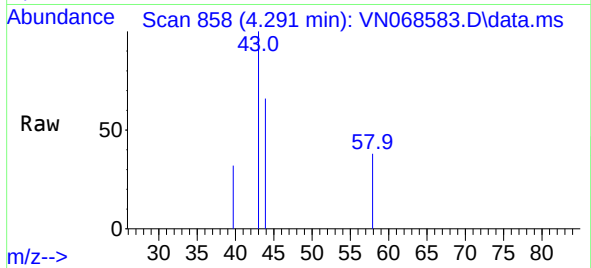




#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

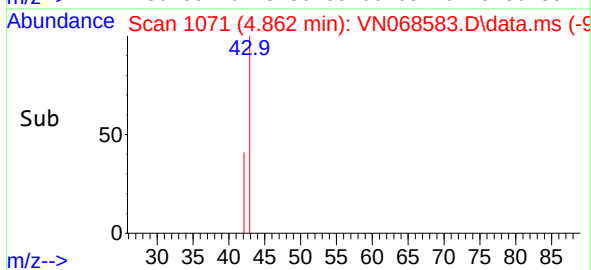
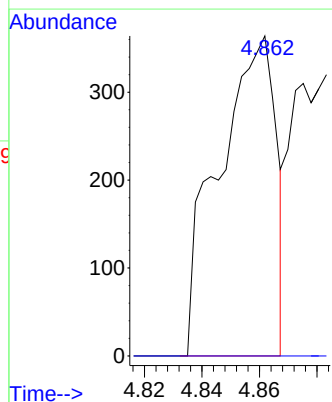
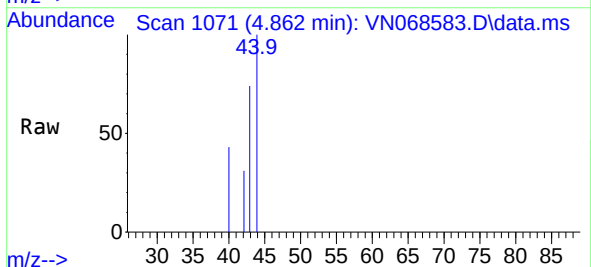
Instrument :
MSVOA_N
ClientSampled :

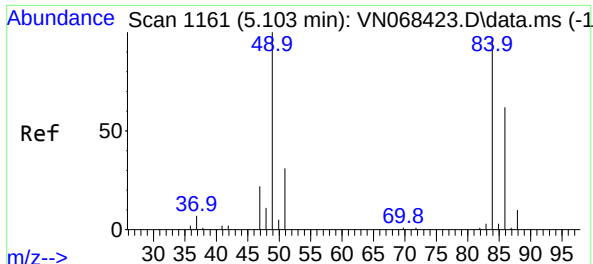
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 38.4 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



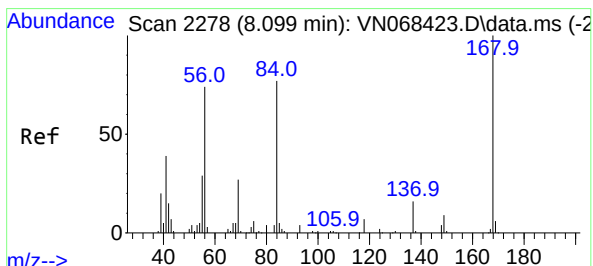
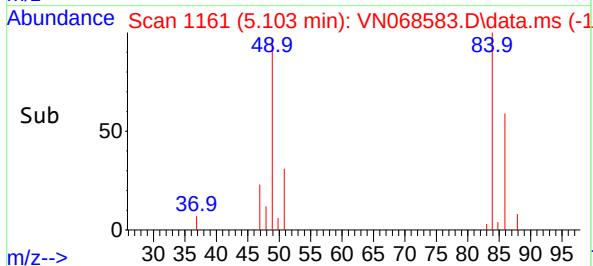
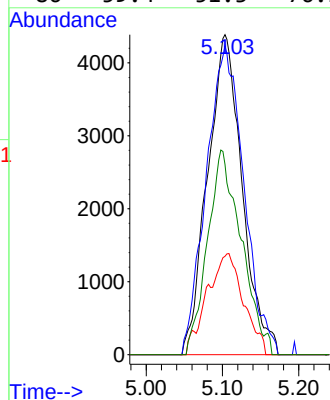
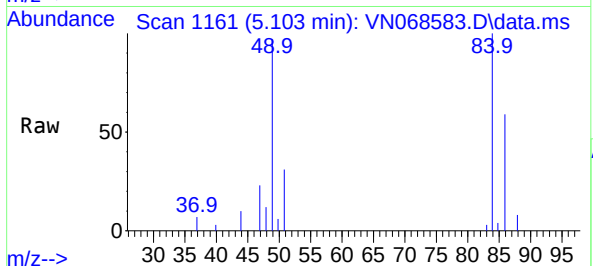


#20
Methylene Chloride
Concen: 0.898 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 13809

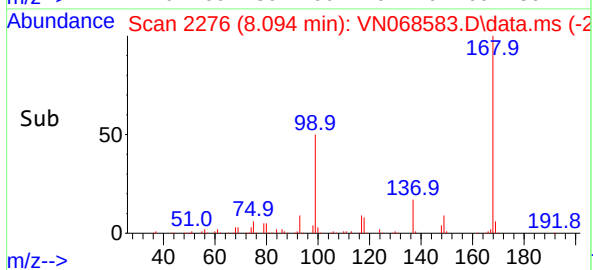
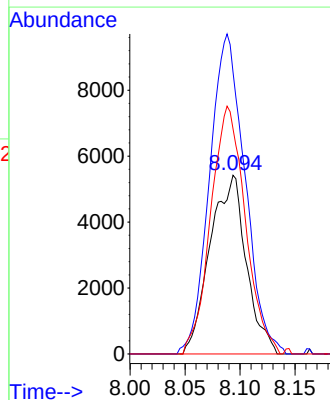
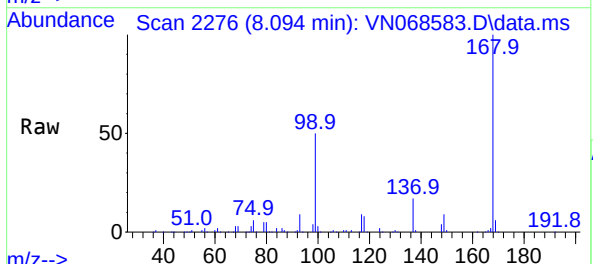
Ion	Ratio	Lower	Upper
84	100		
49	96.5	83.0	124.6
51	30.7	25.4	38.0
86	59.4	51.3	76.9

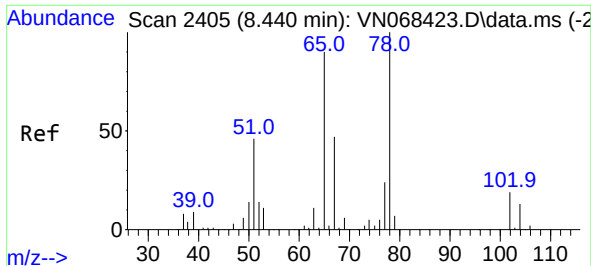


#31
Cyclohexane
Concen: 1.245 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.005 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 56 Resp: 12388

Ion	Ratio	Lower	Upper
56	100		
69	154.6	29.4	44.0#
84	126.0	83.6	125.4#



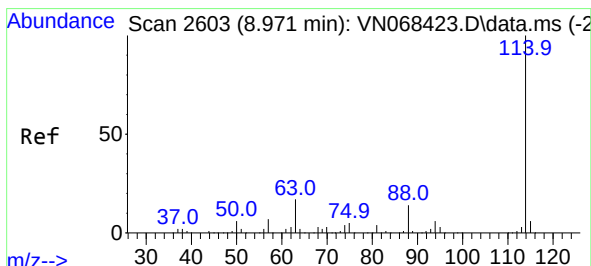
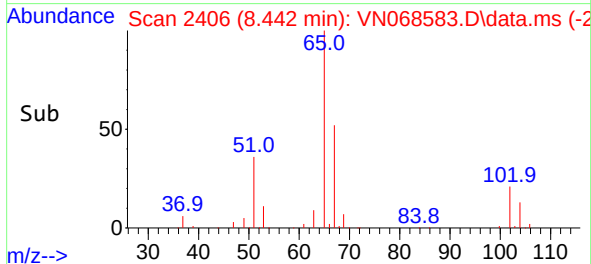
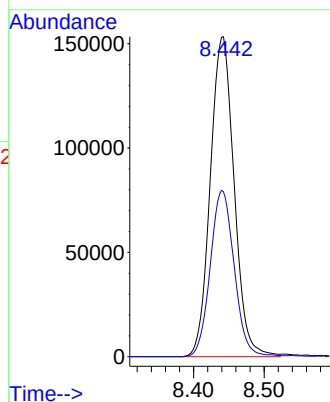
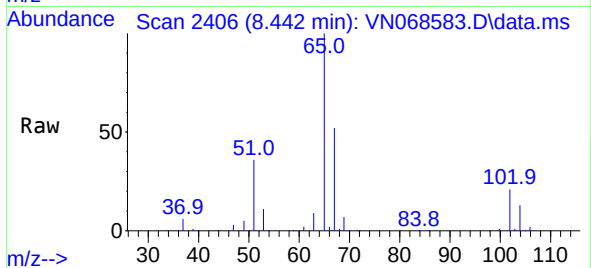


#33

1,2-Dichloroethane-d4
Concen: 54.923 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Instrument :
MSVOA_N
ClientSampled :

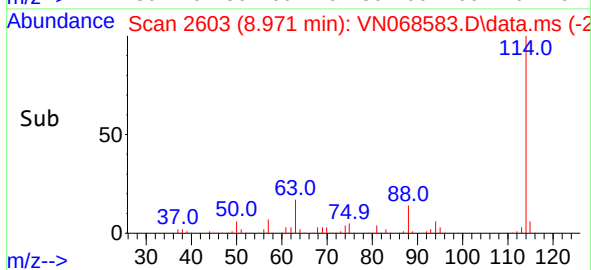
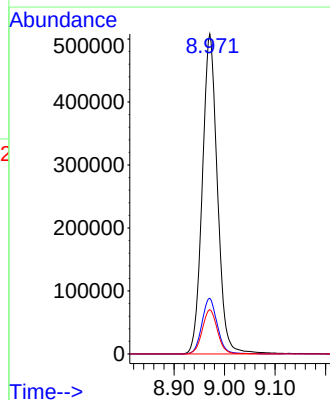
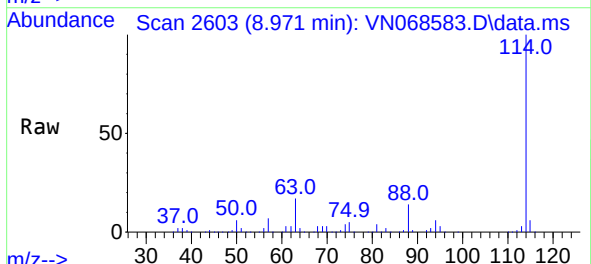
Tgt Ion: 65 Resp: 360735
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0

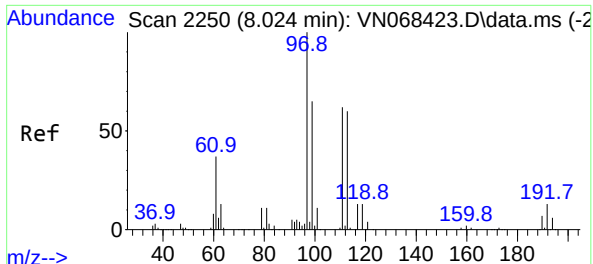


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 114 Resp: 1055802
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.2
88 13.9 0.0 28.4

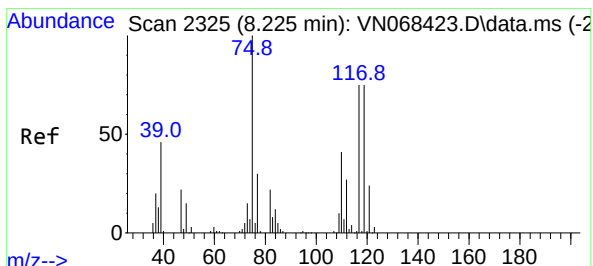
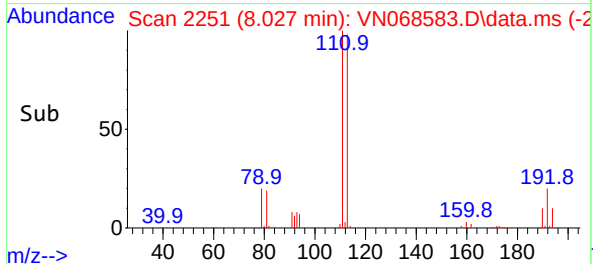
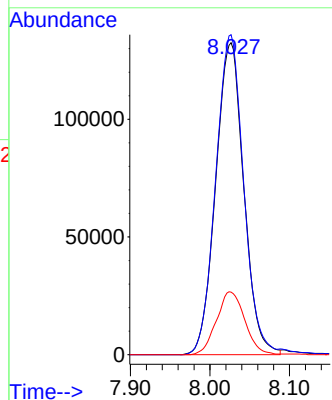
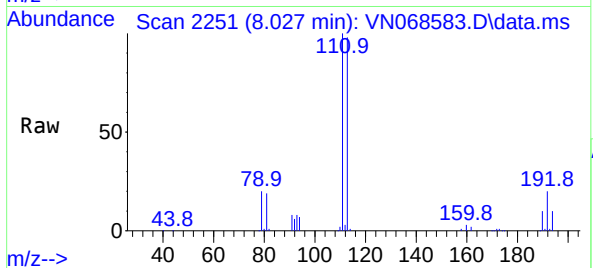




#35
Dibromofluoromethane
Concen: 51.056 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

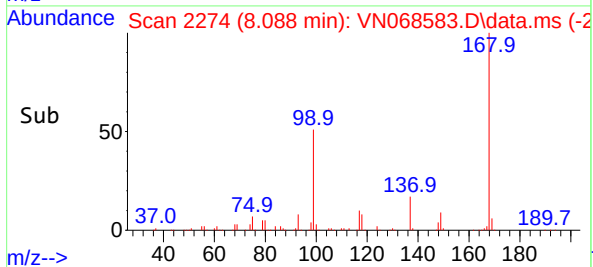
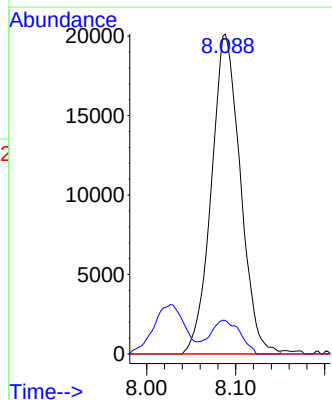
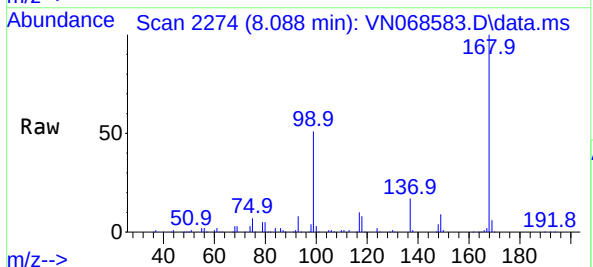
Instrument :
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ClientSampled :

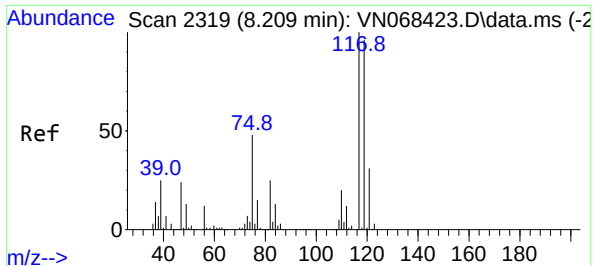
Tgt Ion:113 Resp: 325118
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 20.3 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

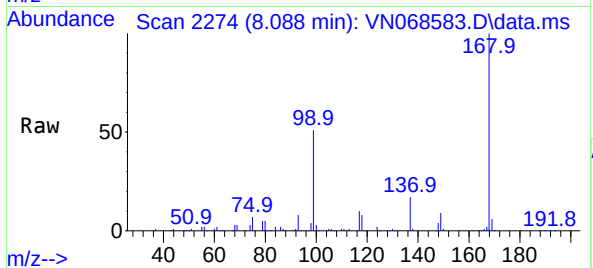
Tgt Ion: 75 Resp: 45506
Ion Ratio Lower Upper
75 100
110 10.4 20.8 62.5#
77 0.0 25.0 37.6#



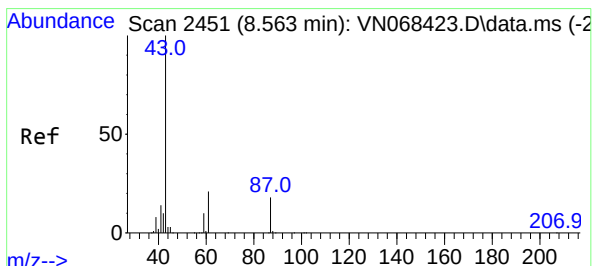
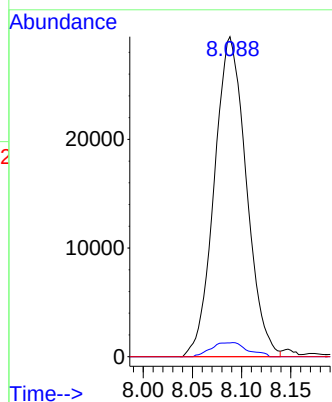
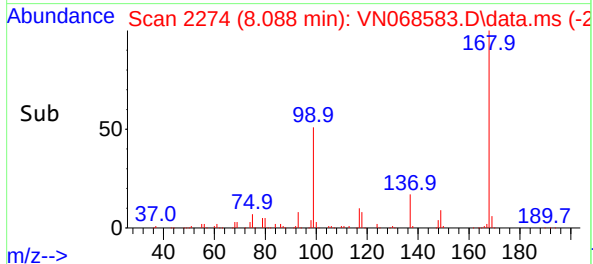


#38
Carbon Tetrachloride
Concen: 6.322 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

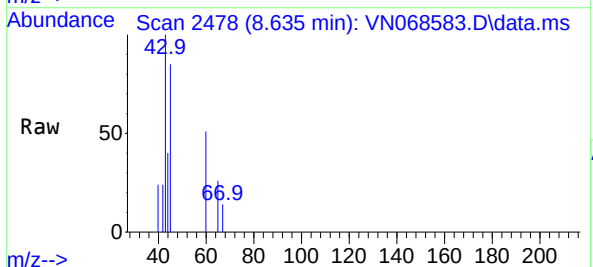
Instrument :
MSVOA_N
ClientSampled :



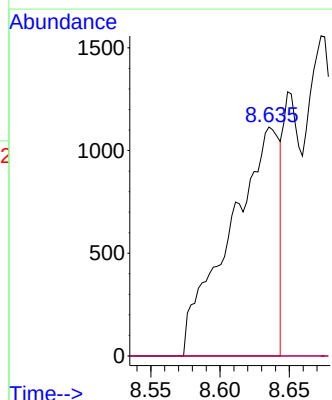
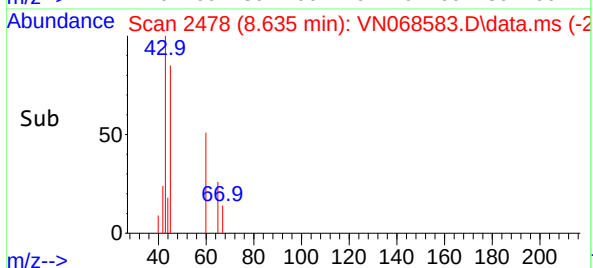
Tgt Ion:117 Resp: 66663
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 24.5 36.7#

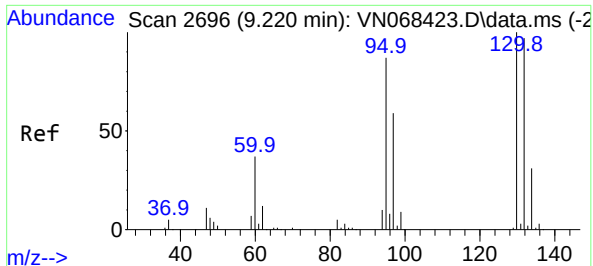


#43
Isopropyl Acetate
Concen: 0.234 ug/l
RT: 8.635 min Scan# 2478
Delta R.T. 0.072 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36



Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

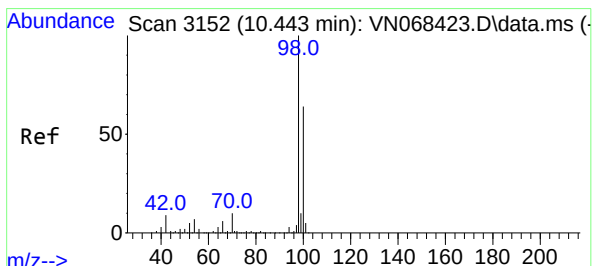
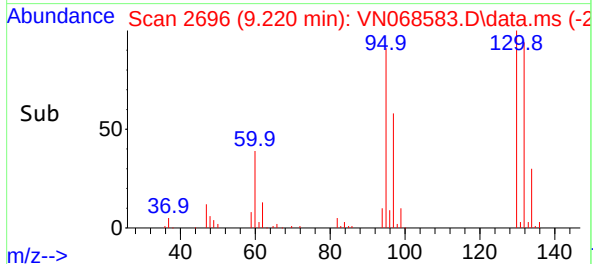
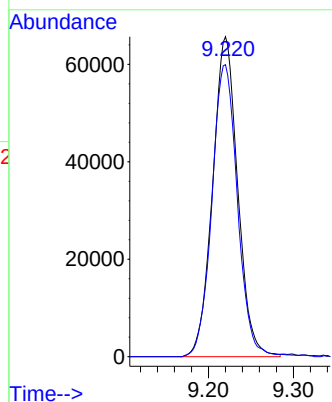
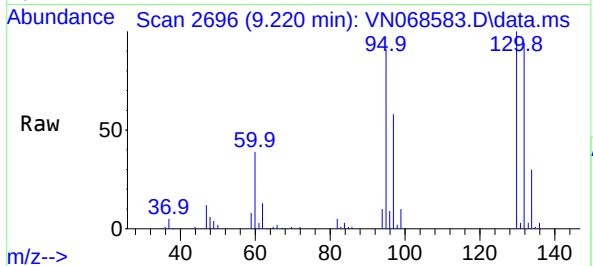




#44
Trichloroethene
Concen: 16.340 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

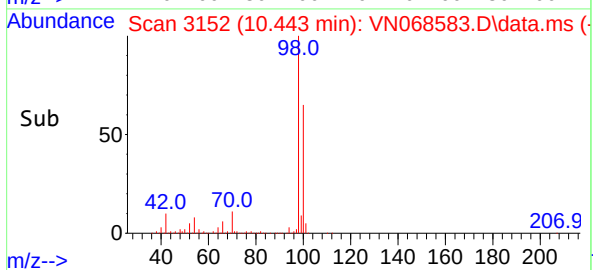
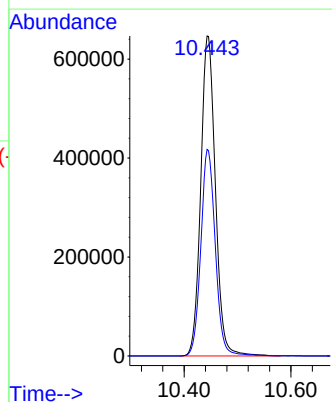
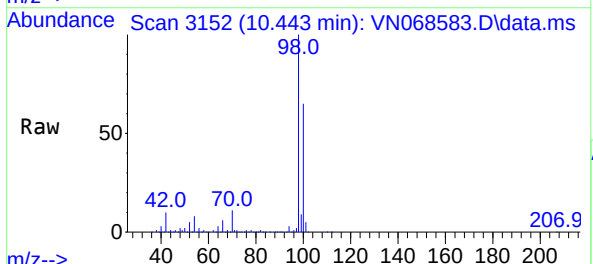
Instrument :
MSVOA_N
ClientSampled :

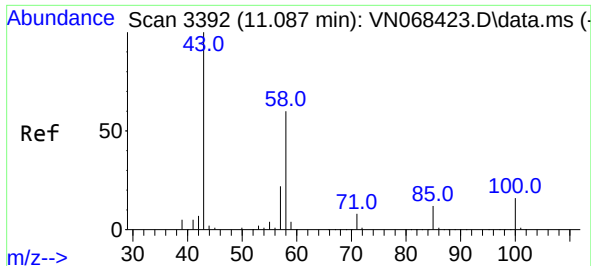
Tgt Ion:130 Resp: 134798
Ion Ratio Lower Upper
130 100
95 91.3 0.0 173.8



#50
Toluene-d8
Concen: 47.496 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 98 Resp: 1235419
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6

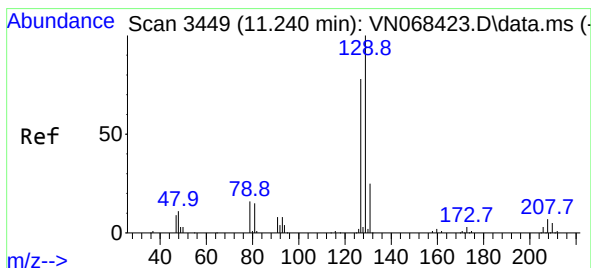
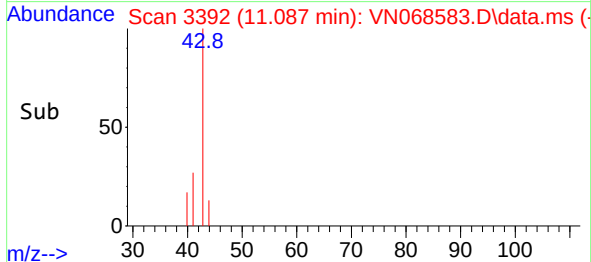
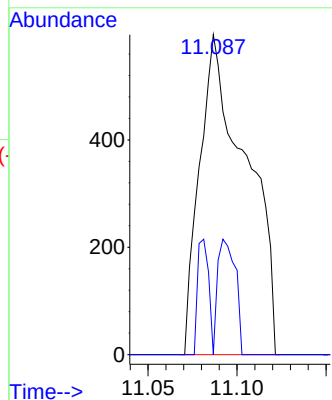
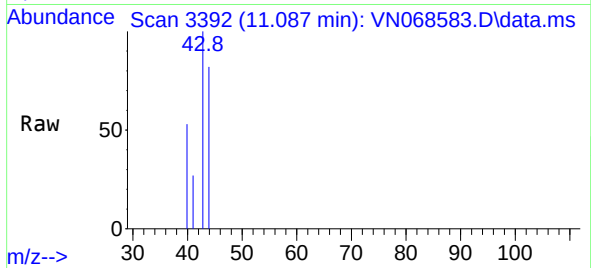




#59
2-Hexanone
Concen: 0.239 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

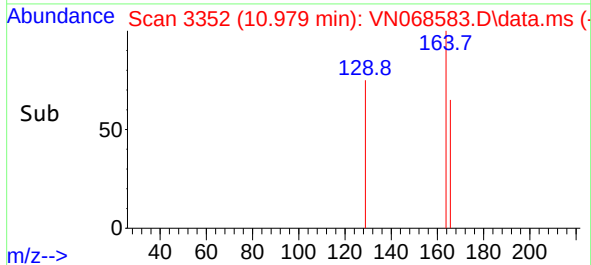
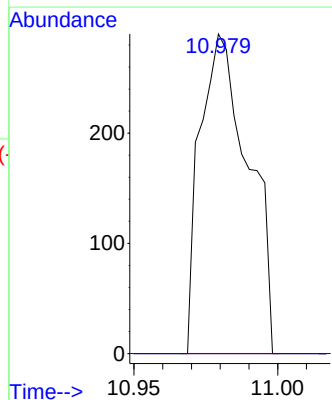
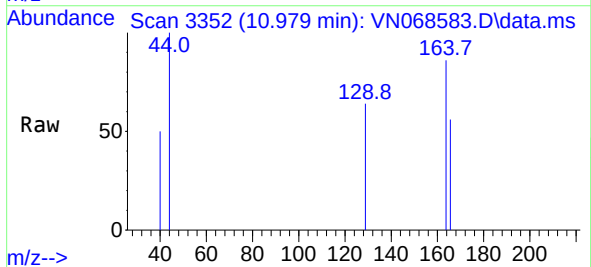
Instrument :
MSVOA_N
ClientSampled :

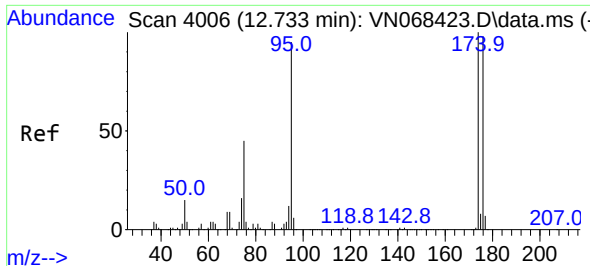
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
58 13.7 30.0 90.1#



#60
Dibromochloromethane
Concen: 1.838 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 129 Resp: 338
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

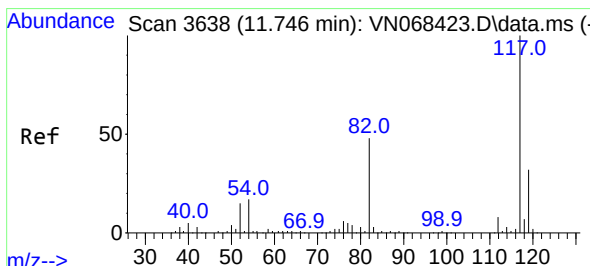
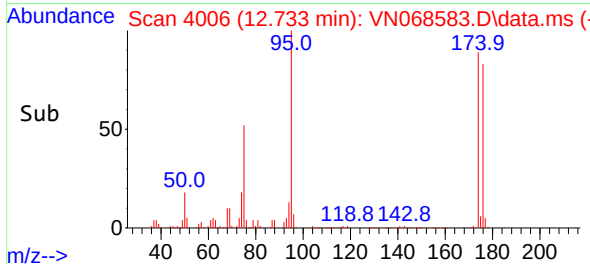
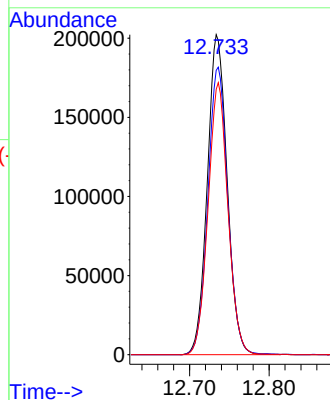
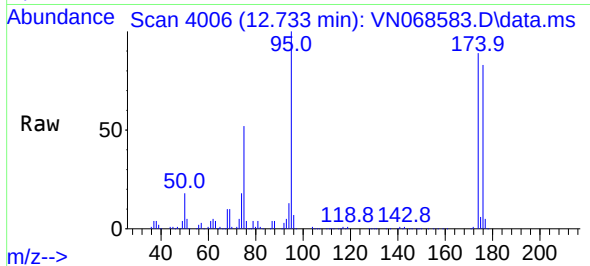




#62
4-Bromofluorobenzene
Concen: 41.515 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

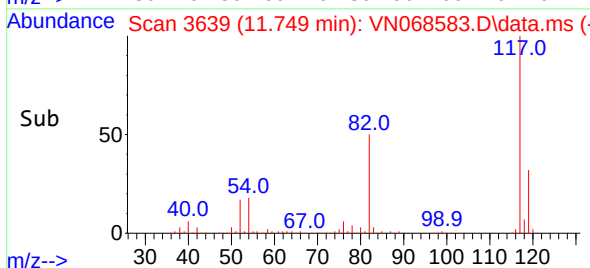
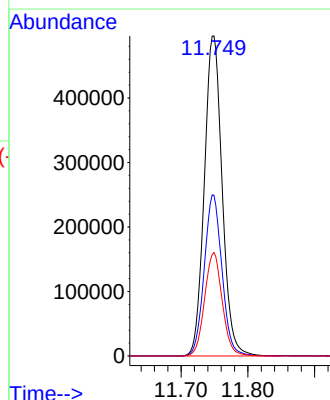
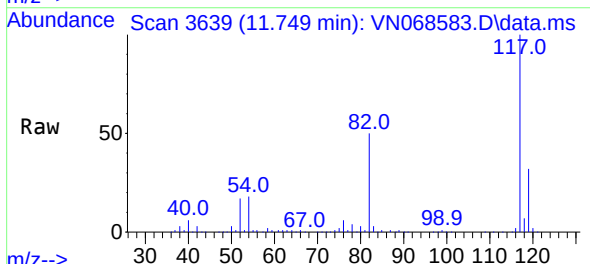
Instrument :
MSVOA_N
ClientSampled :

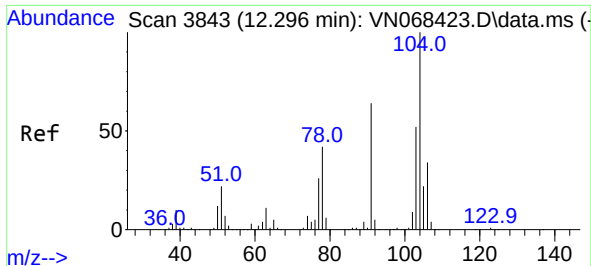
Tgt Ion: 95 Resp: 350781
Ion Ratio Lower Upper
95 100
174 90.6 0.0 214.0
176 85.3 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 117 Resp: 922264
Ion Ratio Lower Upper
117 100
82 50.2 38.7 58.1
119 32.3 25.5 38.3

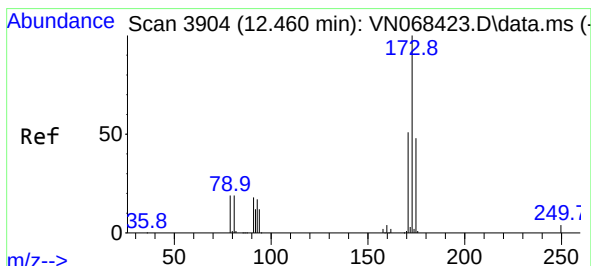
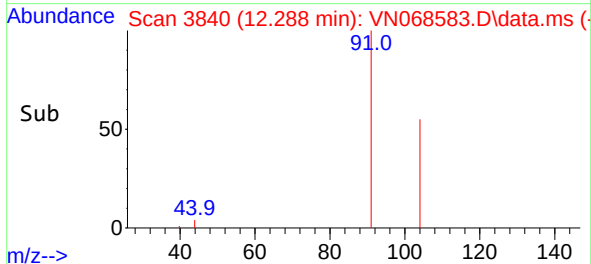
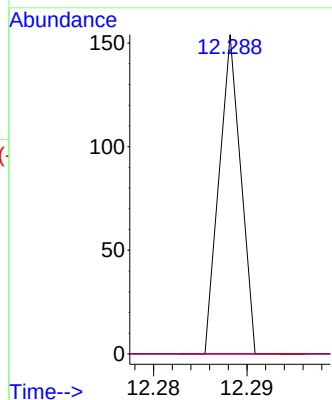
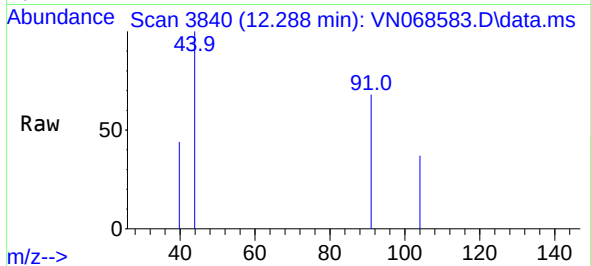




#70
Styrene
Concen: 1.755 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. -0.008 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

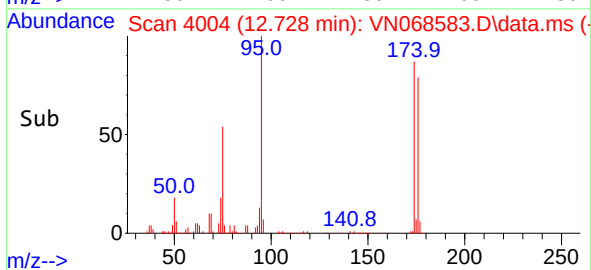
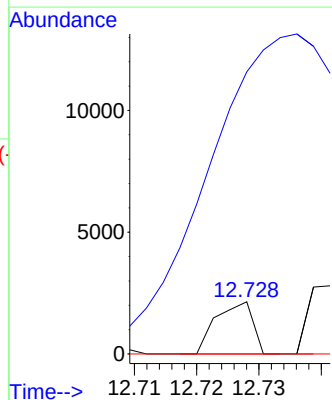
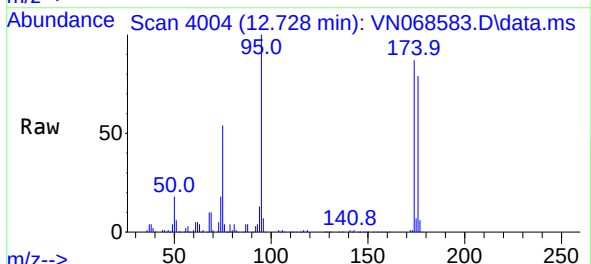
Instrument :
MSVOA_N
ClientSampled :

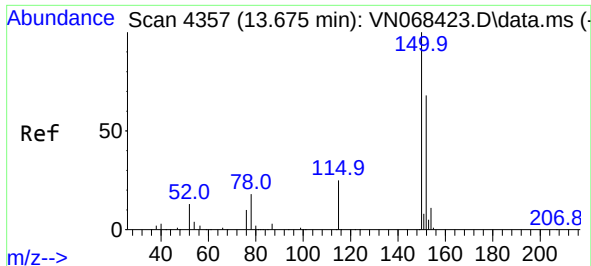
Tgt Ion:	104	Resp:	25
Ion Ratio	Lower	Upper	
104	100		
78	0.0	36.2	54.2#
103	0.0	44.4	66.6#



#71
Bromoform
Concen: 2.645 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

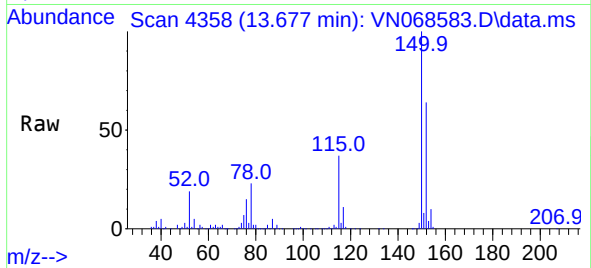
Tgt Ion:	173	Resp:	877
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.3#
254	0.0	0.0	0.0



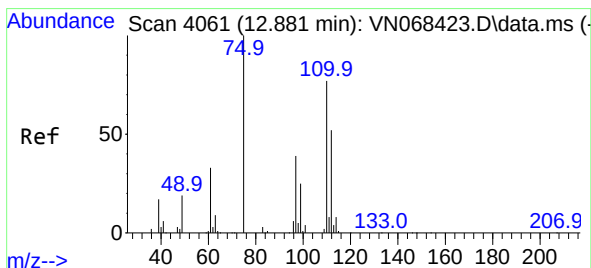
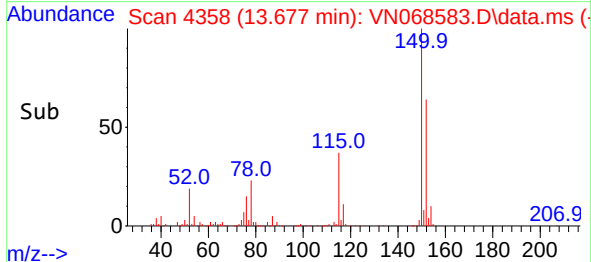
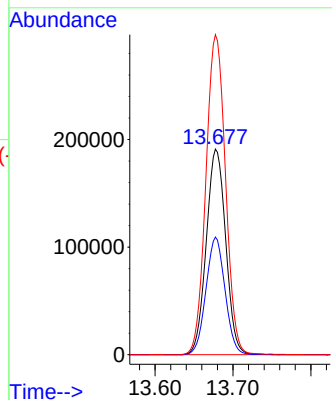


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Instrument :
MSVOA_N
ClientSampled :

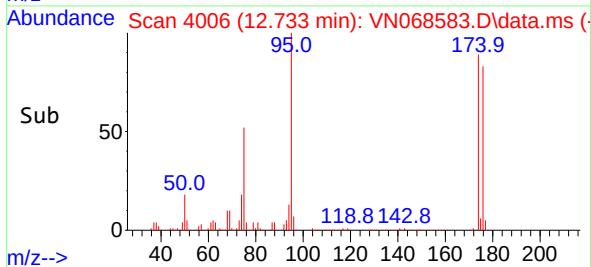
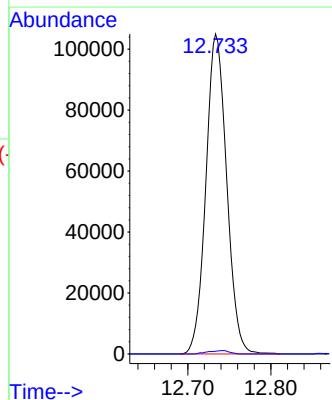
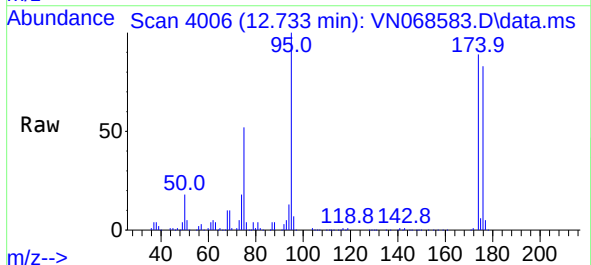


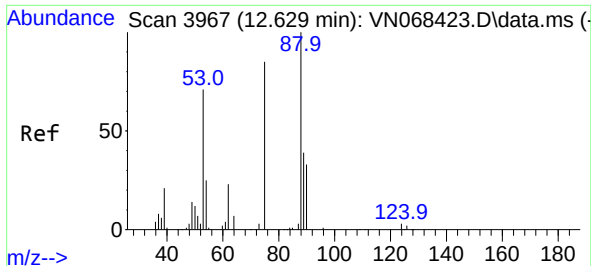
Tgt Ion:152 Resp: 332260
Ion Ratio Lower Upper
152 100
115 56.0 25.6 76.6
150 156.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 39.571 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion: 75 Resp: 181851
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#

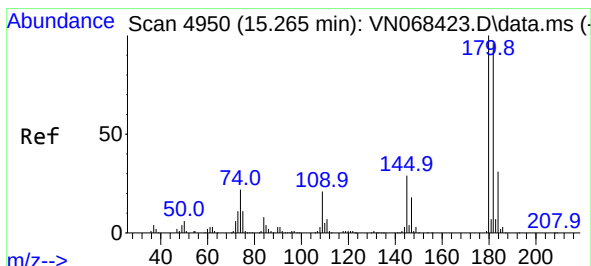
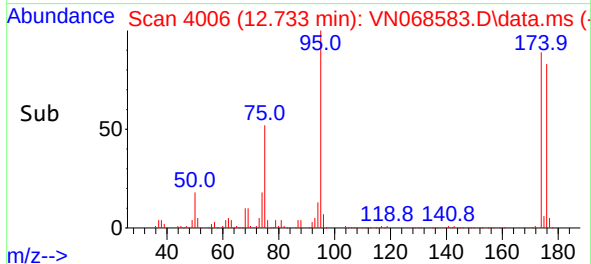
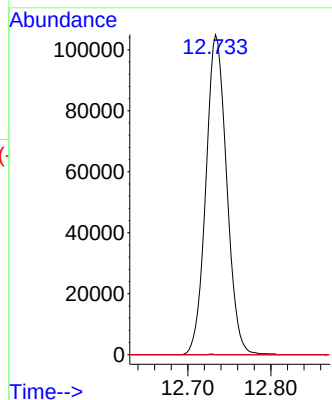
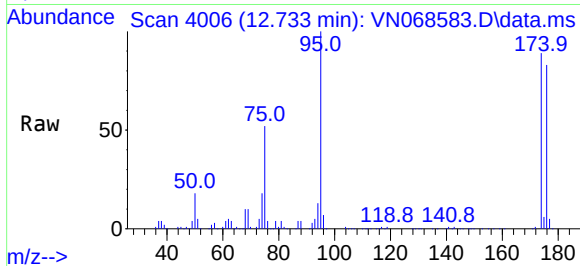




#81
trans-1,4-Dichloro-2-butene
Concen: 121.296 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

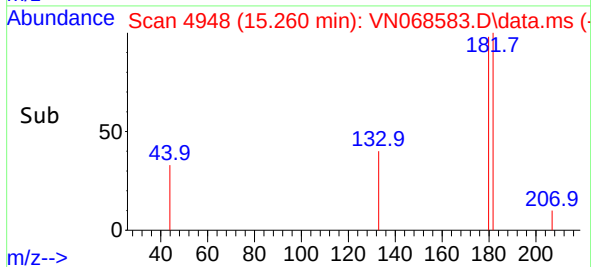
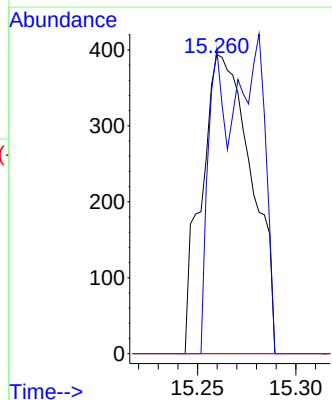
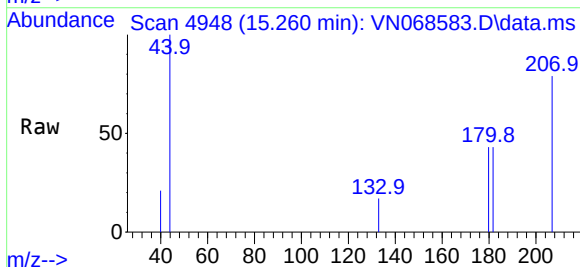
Instrument :
MSVOA_N
ClientSampled :

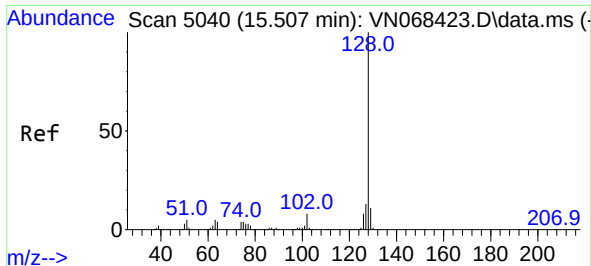
Tgt Ion: 75 Resp: 181851
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.064 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion:180 Resp: 693
Ion Ratio Lower Upper
180 100
182 36.4 47.5 142.6#
145 0.0 14.1 42.4#

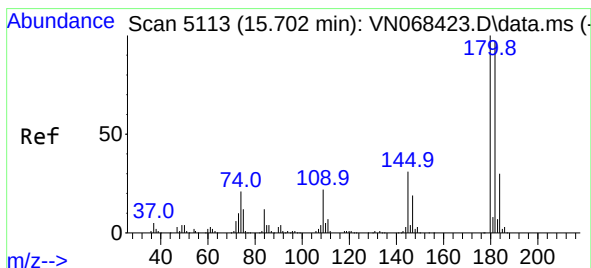
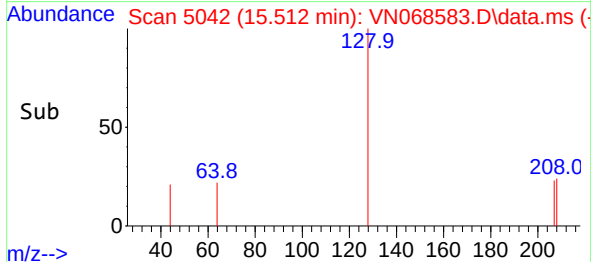
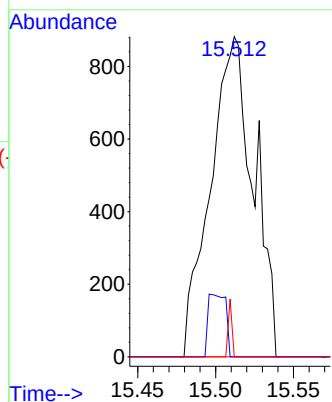
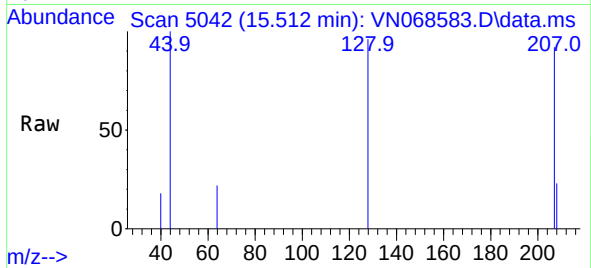




#95
Naphthalene
Concen: 3.617 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	1705
Ion Ratio	Lower	Upper
128	100	
127	7.9	10.6 15.8#
129	1.5	8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.075 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068583.D
Acq: 21 Sep 2021 15:36

Tgt Ion:180	Resp:	627
Ion Ratio	Lower	Upper
180	100	
182	77.5	47.9 143.6
145	13.2	15.2 45.5#

