

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067904.D
 Acq On : 26 Jul 2021 14:00
 Operator : JC/MD
 Sample : M3089-03
 Misc : 4.79g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:29:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

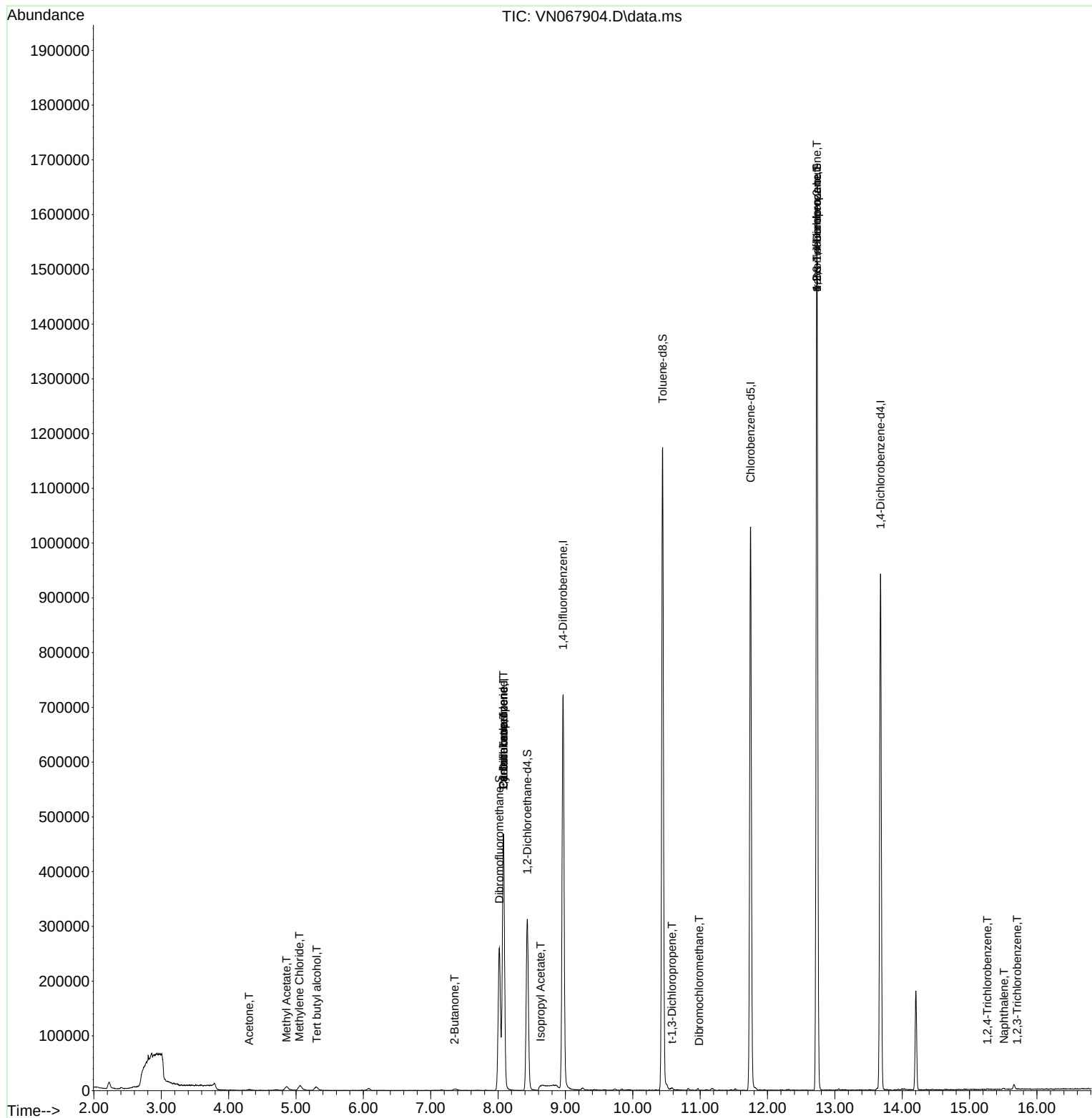
Internal Standards						
1) Pentafluorobenzene	8.080	168	337711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	645423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	589881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	242171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	266928	52.299	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.600%			
35) Dibromofluoromethane	8.019	113	192162	49.279	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.560%			
50) Toluene-d8	10.443	98	815320	49.951	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.734	95	293009	50.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.802	94	388	Below Cal	#	33
6) Chloroethane	3.014	64	407	Below Cal	#	59
7) Trichlorofluoromethane	3.266	101	25	Below Cal	#	18
11) Tert butyl alcohol	5.307	59	6437	8.777	ug/l #	71
13) Acrolein	4.023	56	219	Below Cal	#	77
16) Acetone	4.304	43	1569	0.977	ug/l #	85
18) Methyl Acetate	4.857	43	8126	1.801	ug/l	99
20) Methylene Chloride	5.050	84	3937	0.359	ug/l #	77
25) 2-Butanone	7.354	43	4716	1.768	ug/l	93
31) Cyclohexane	8.080	56	8528	1.192	ug/l #	1
36) 1,1-Dichloropropene	8.078	75	30751	5.129	ug/l #	52
38) Carbon Tetrachloride	8.080	117	37265	6.301	ug/l #	17
43) Isopropyl Acetate	8.630	43	4865	0.476	ug/l #	58
53) t-1,3-Dichloropropene	10.580	75	1495	1.936	ug/l #	43
60) Dibromochloromethane	10.985	129	56	2.366	ug/l #	11
76) 1,2,3-Trichloropropane	12.734	75	178309	36.054	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	178309	116.243	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.265	180	420	2.773	ug/l #	72
95) Naphthalene	15.512	128	2442	3.206	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.705	180	253	2.694	ug/l #	74

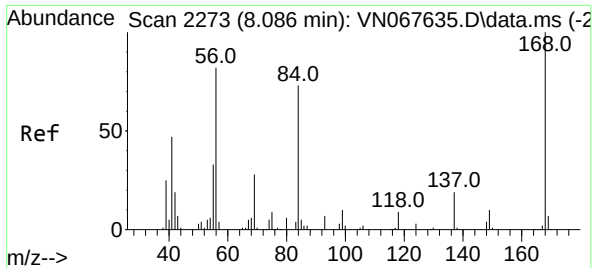
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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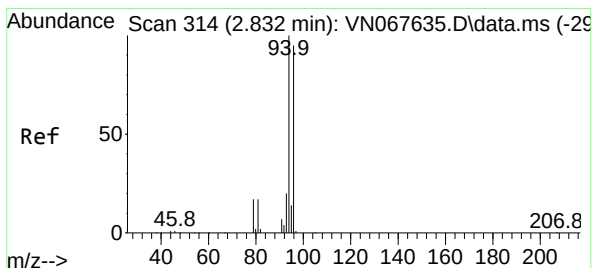
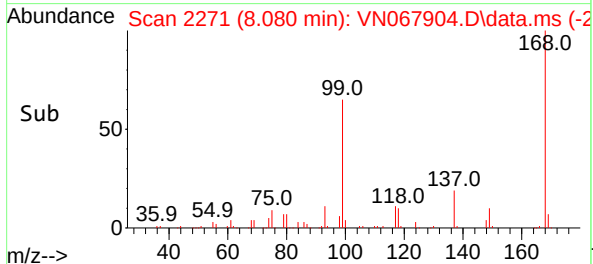
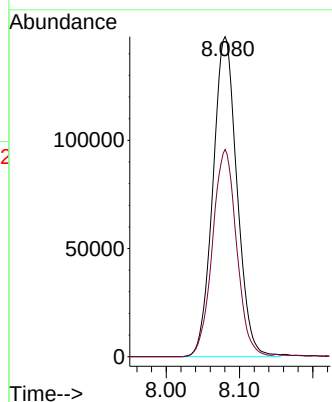
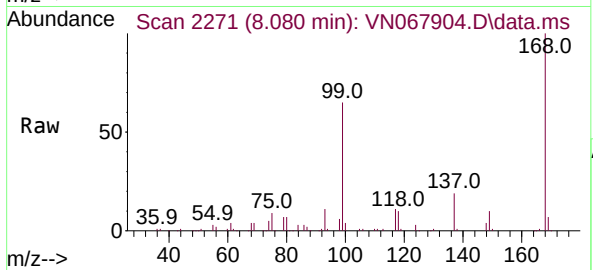




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

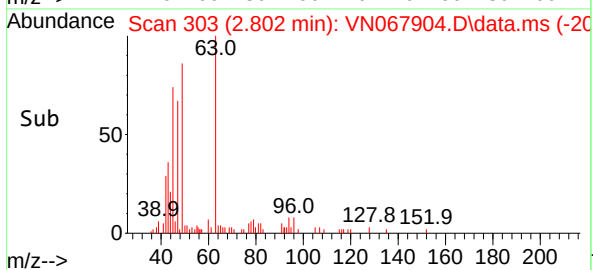
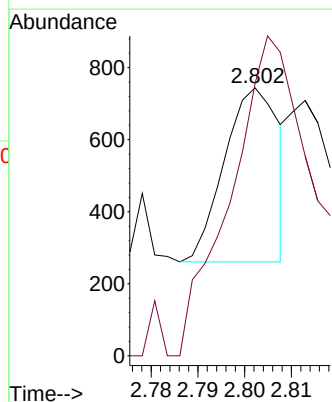
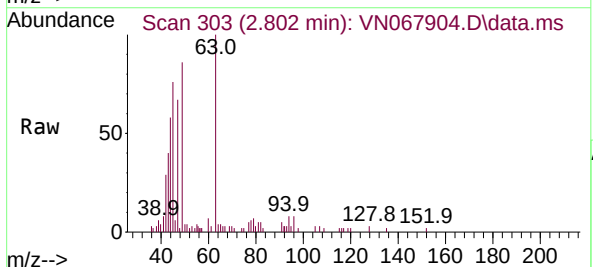
Instrument :
MSVOA_N
ClientSampleId :

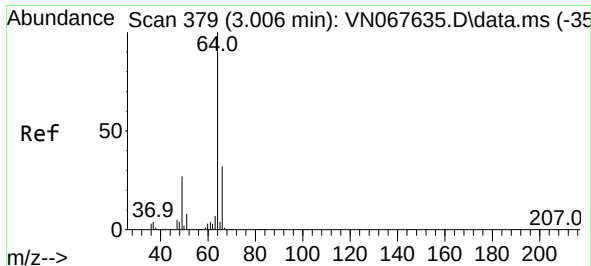
Tgt Ion:168 Resp: 337711
Ion Ratio Lower Upper
168 100
99 64.7 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.802 min Scan# 303
Delta R.T. -0.030 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 156.5 73.7 110.5#

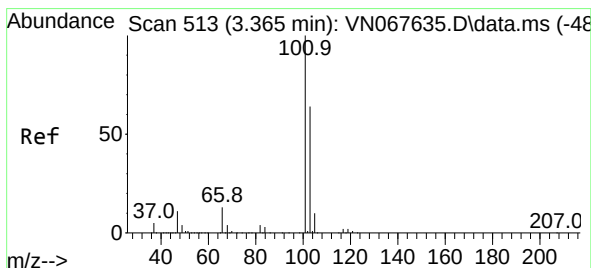
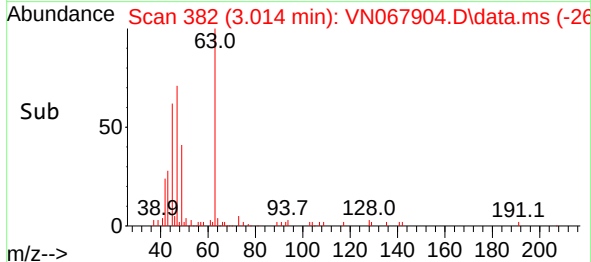
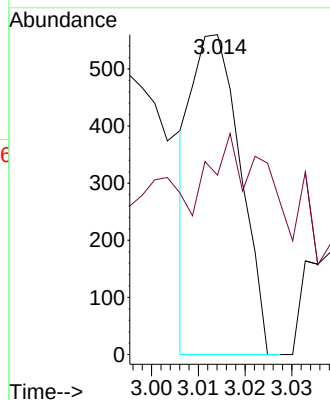
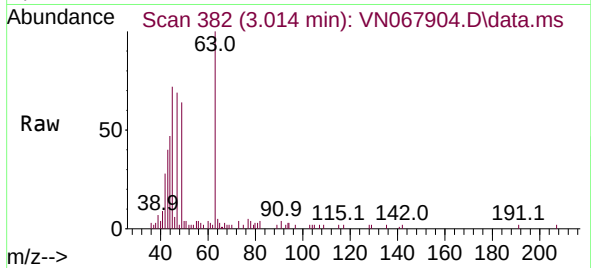




#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

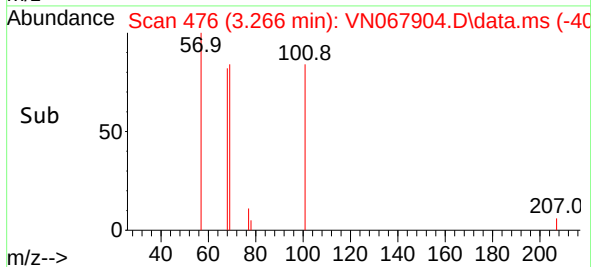
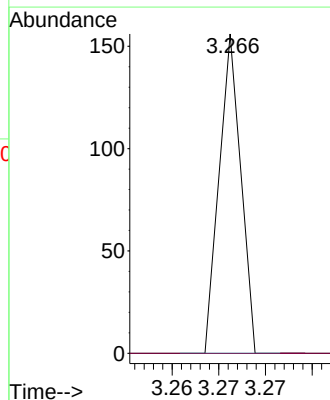
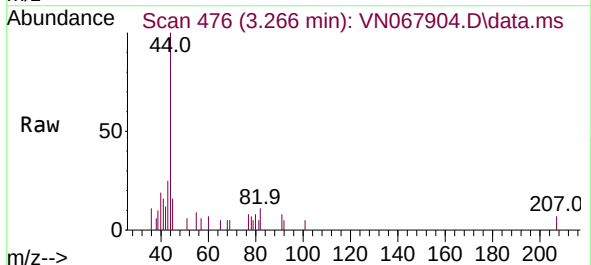
Instrument :
MSVOA_N
ClientSampled :

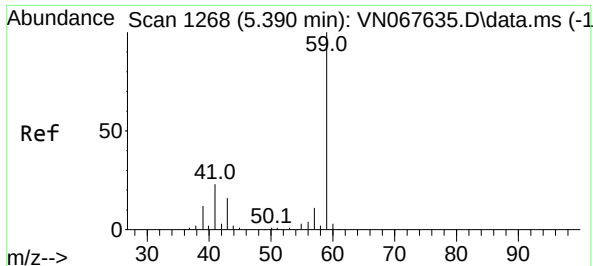
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 8.6 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.266 min Scan# 476
Delta R.T. -0.099 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 101 Resp: 25
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



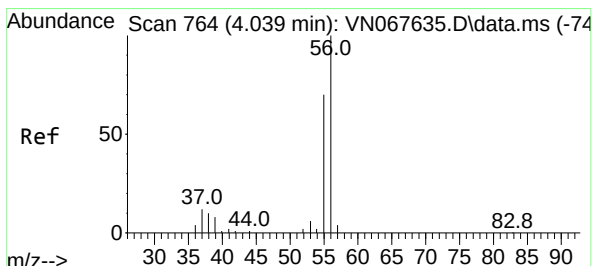
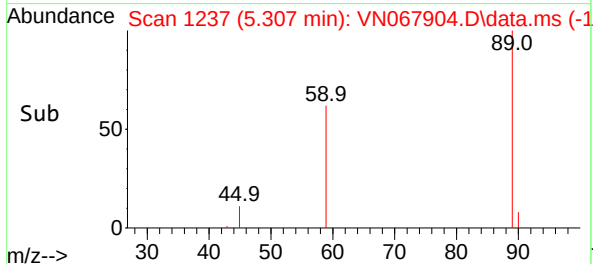
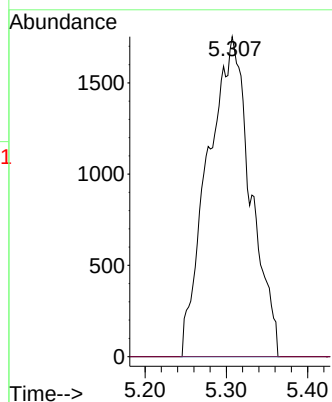
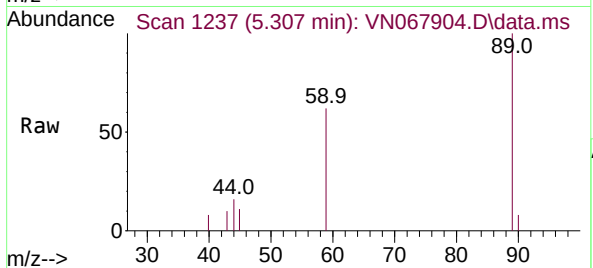


#11

Tert butyl alcohol
Concen: 8.777 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.083 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Instrument :
MSVOA_N
ClientSampled :

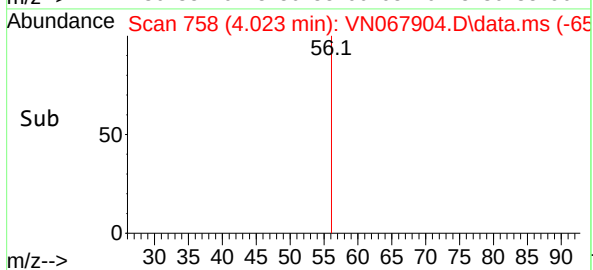
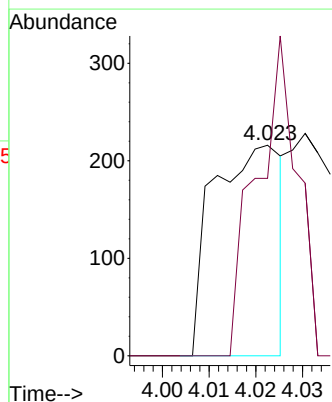
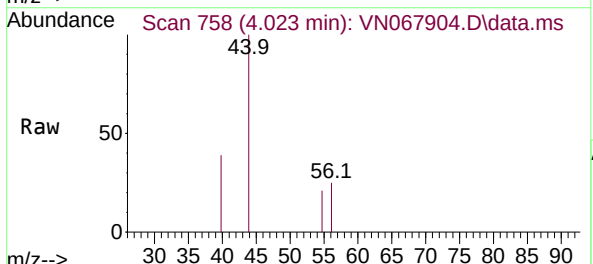
Tgt Ion: 59 Resp: 6437
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

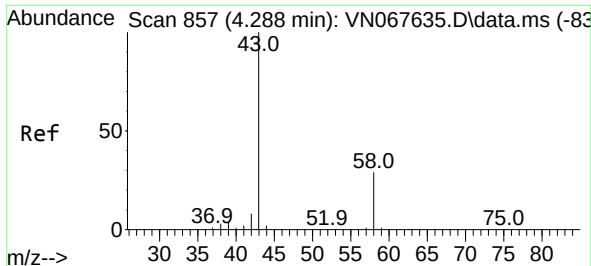


#13

Acrolein
Concen: Below Cal
RT: 4.023 min Scan# 758
Delta R.T. -0.016 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 90.4 57.4 86.0#

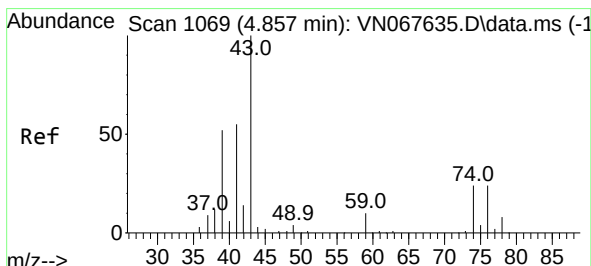
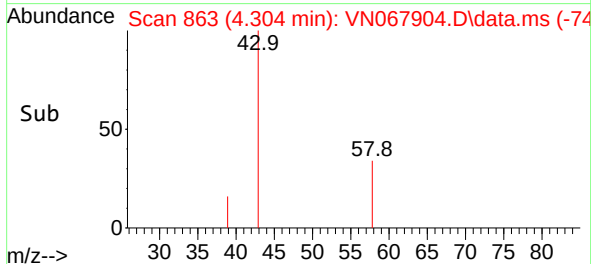
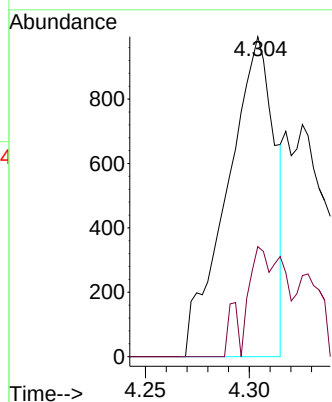
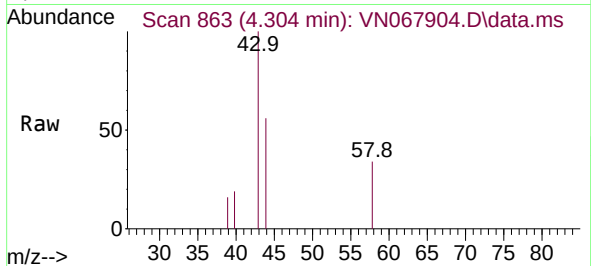




#16
Acetone
Concen: 0.977 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

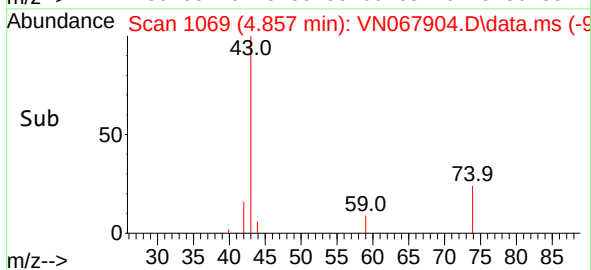
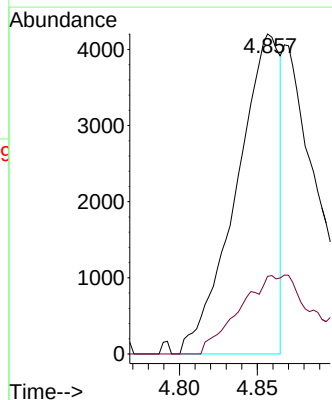
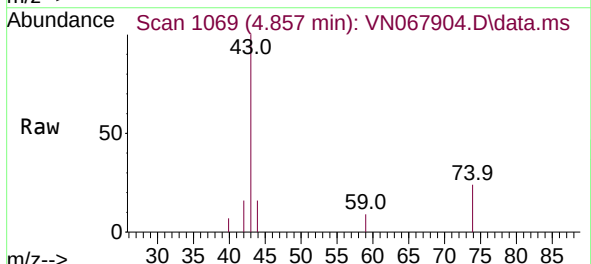
Instrument :
MSVOA_N
ClientSampled :

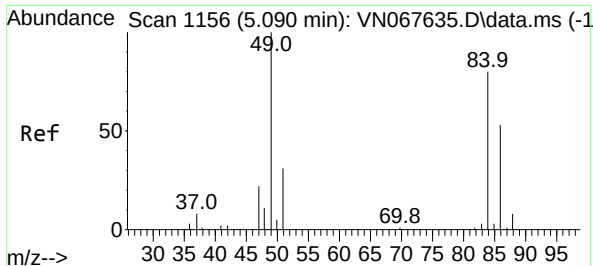
Tgt Ion: 43 Resp: 1569
Ion Ratio Lower Upper
43 100
58 34.4 21.2 31.8#



#18
Methyl Acetate
Concen: 1.801 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 43 Resp: 8126
Ion Ratio Lower Upper
43 100
74 21.3 17.4 26.0





#20

Methylene Chloride

Concen: 0.359 ug/l

RT: 5.050 min Scan# 1141

Delta R.T. -0.040 min

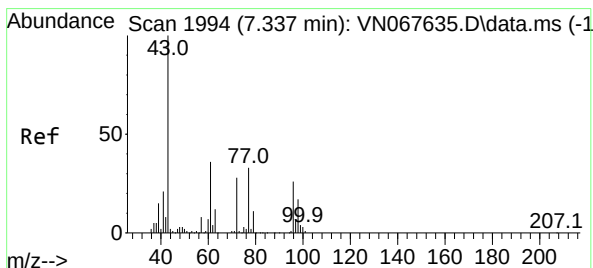
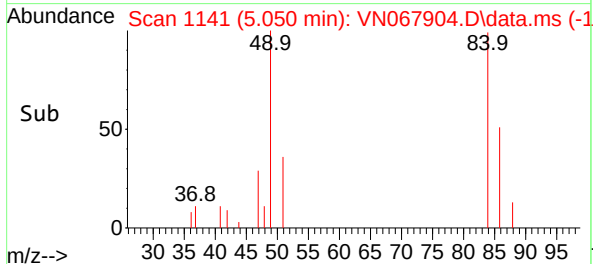
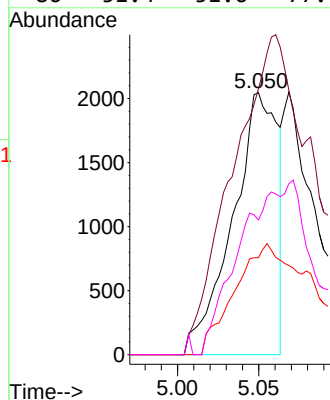
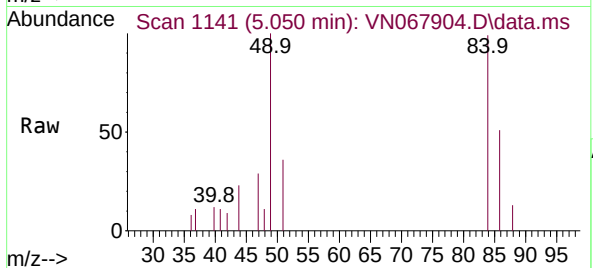
Lab File: VN067904.D

Acq: 26 Jul 2021 14:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 3937

Ion	Ratio	Lower	Upper
84	100		
49	101.3	110.9	166.3#
51	37.0	32.6	49.0
86	51.4	51.6	77.4#



#25

2-Butanone

Concen: 1.768 ug/l

RT: 7.354 min Scan# 2000

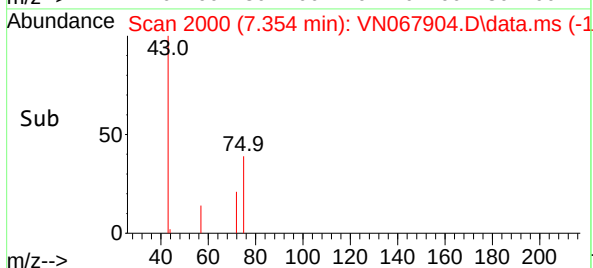
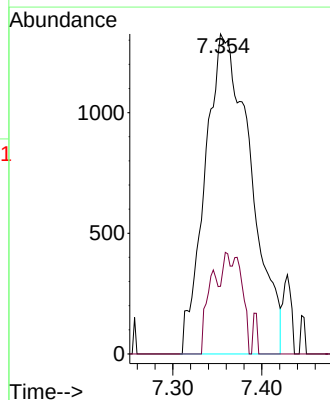
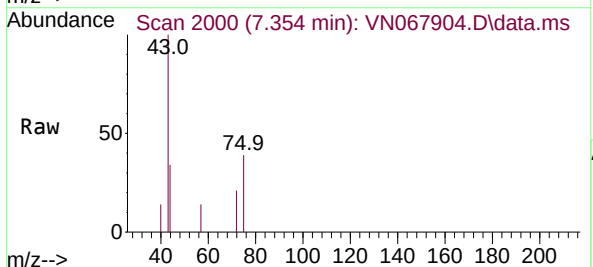
Delta R.T. 0.017 min

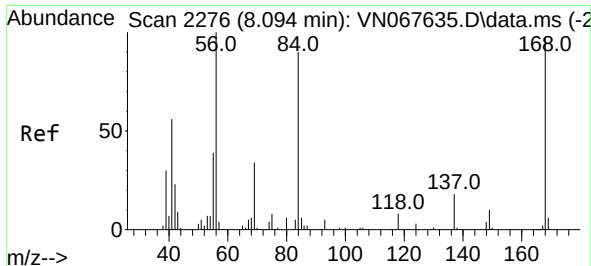
Lab File: VN067904.D

Acq: 26 Jul 2021 14:00

Tgt Ion: 43 Resp: 4716

Ion	Ratio	Lower	Upper
43	100		
72	21.1	19.7	29.5

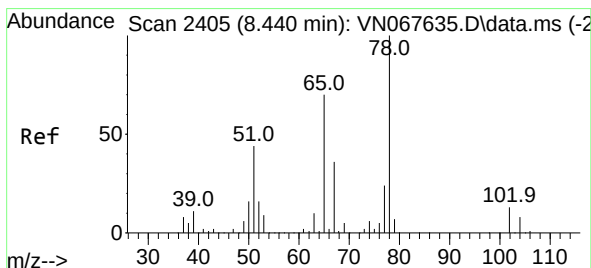
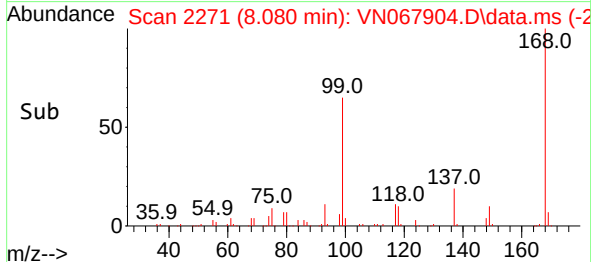
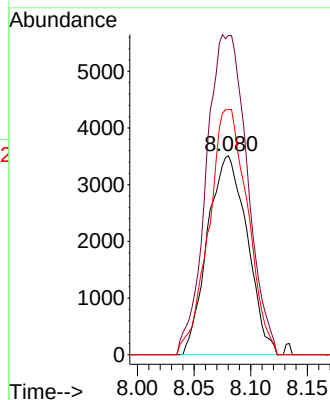
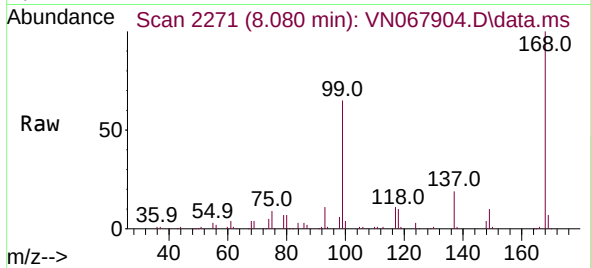




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

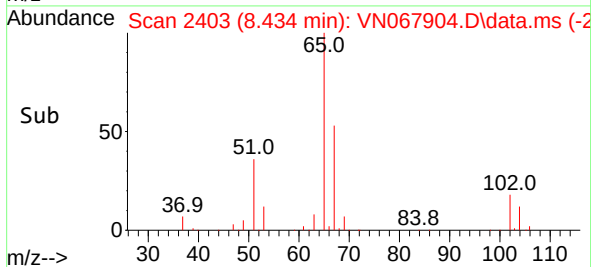
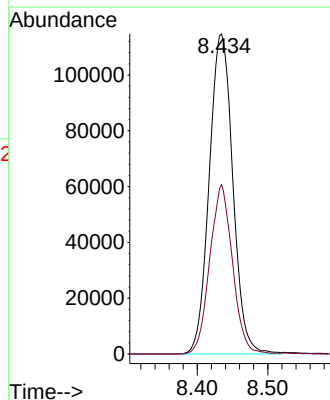
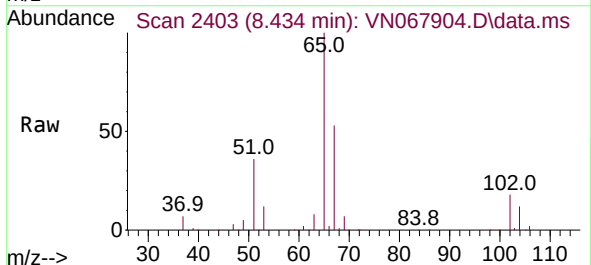
Instrument :
MSVOA_N
ClientSampled :

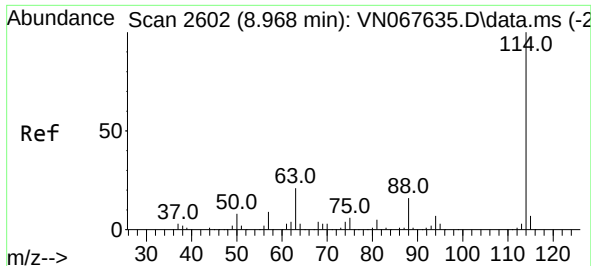
Tgt Ion: 56 Resp: 8528
Ion Ratio Lower Upper
56 100
69 160.5 27.3 40.9#
84 123.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.299 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 65 Resp: 266928
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

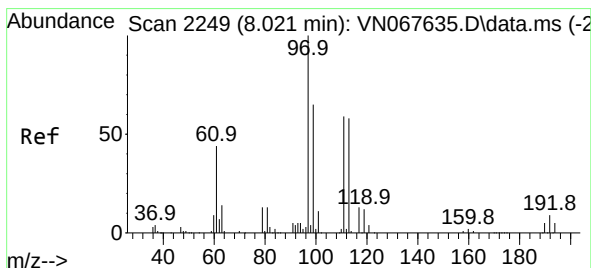
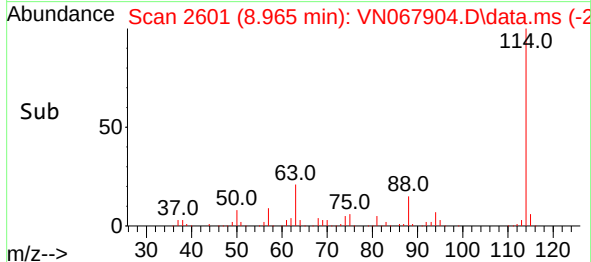
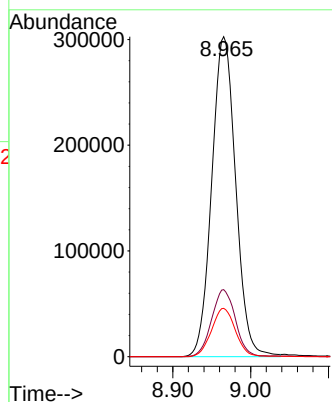
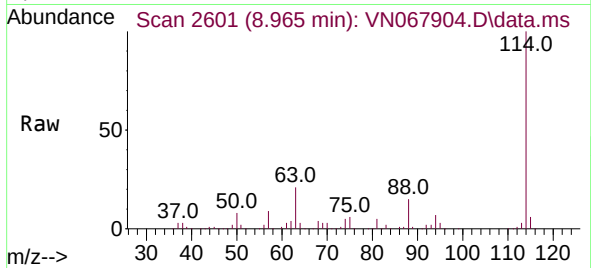




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

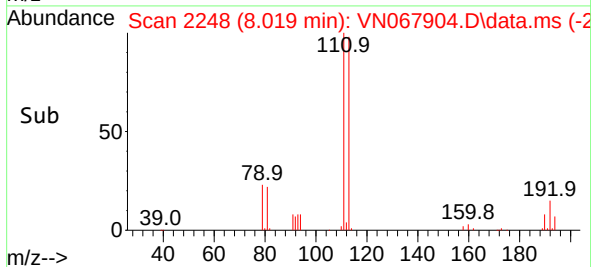
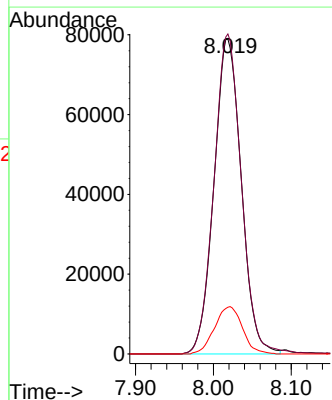
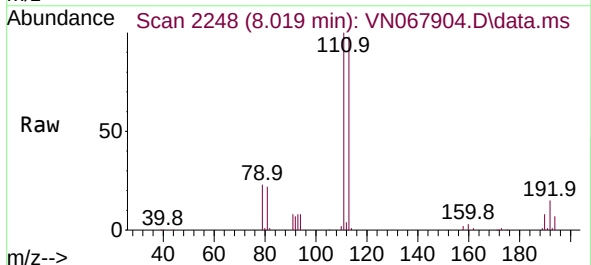
Instrument :
MSVOA_N
ClientSampleId :

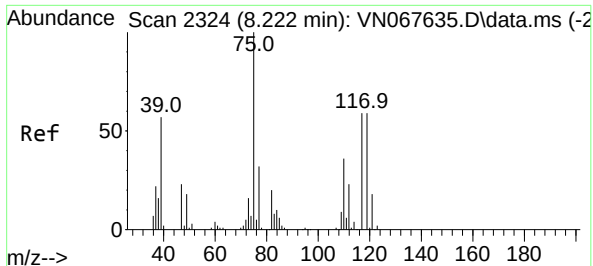
Tgt Ion:114 Resp: 645423
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.279 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion:113 Resp: 192162
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 15.3 13.4 20.0

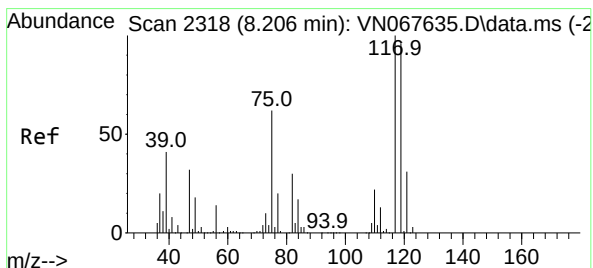
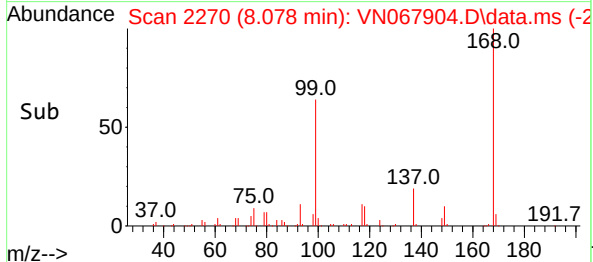
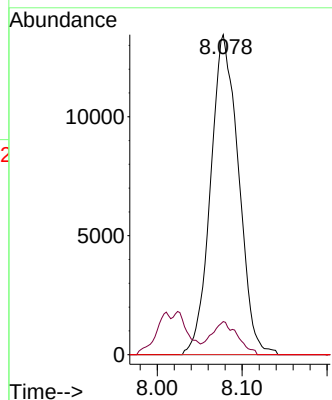
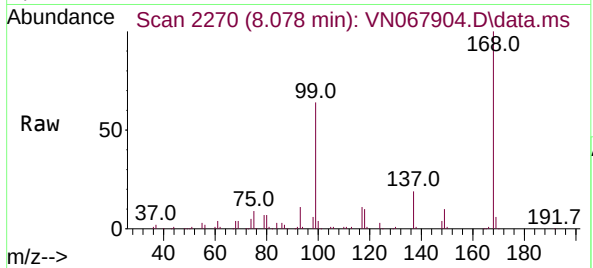




#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.144 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

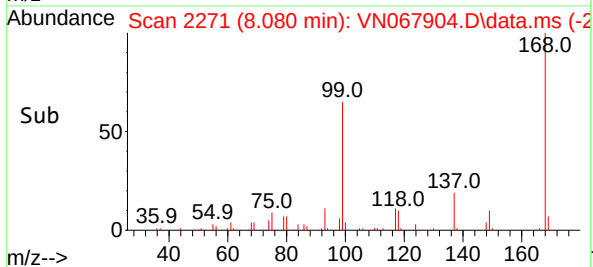
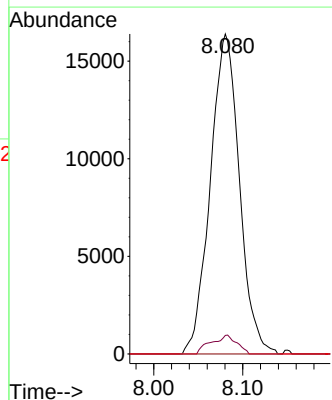
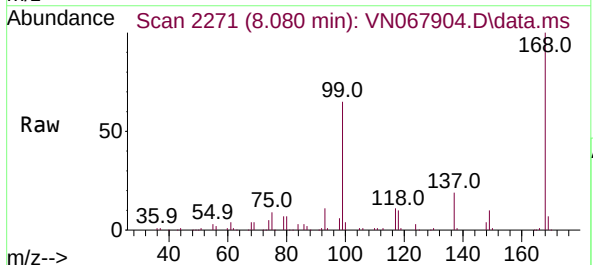
Instrument :
MSVOA_N
ClientSampled :

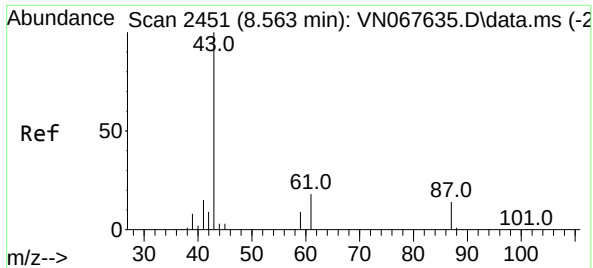
Tgt Ion: 75 Resp: 30751
Ion Ratio Lower Upper
75 100
110 9.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 117 Resp: 37265
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#

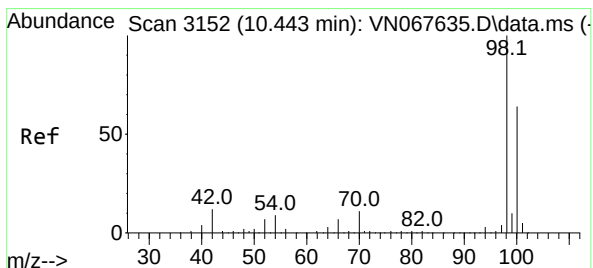
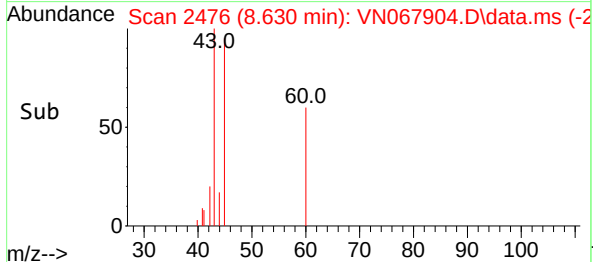
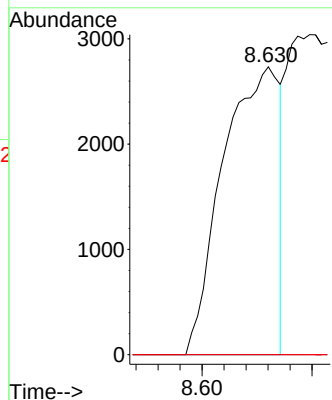
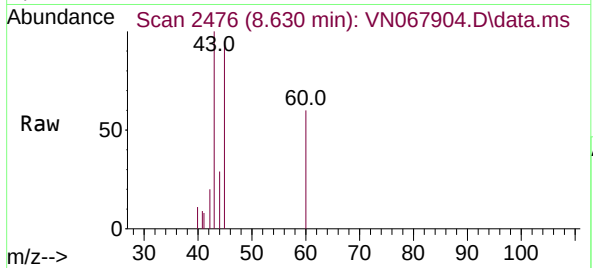




#43
Isopropyl Acetate
Concen: 0.476 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.067 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

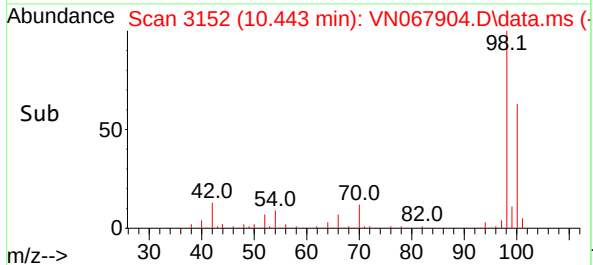
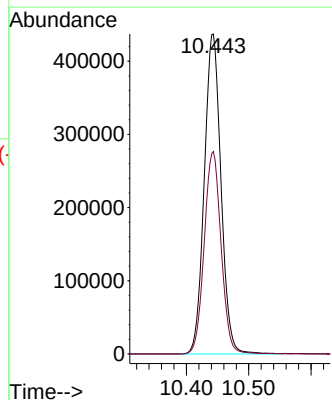
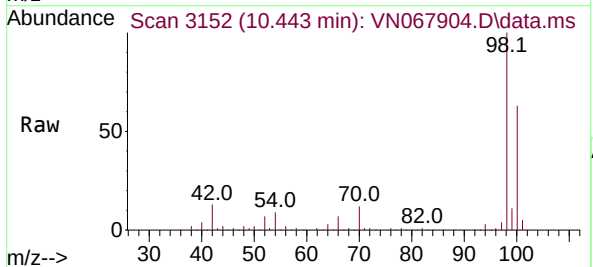
Instrument :
MSVOA_N
ClientSampled :

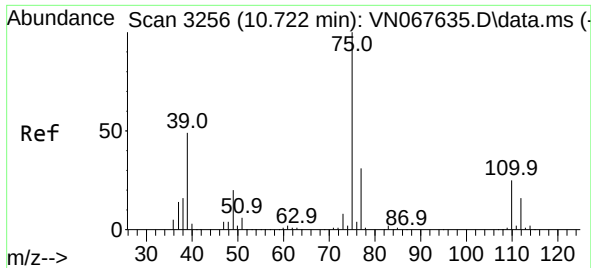
Tgt Ion: 43 Resp: 4865
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.951 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 98 Resp: 815320
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

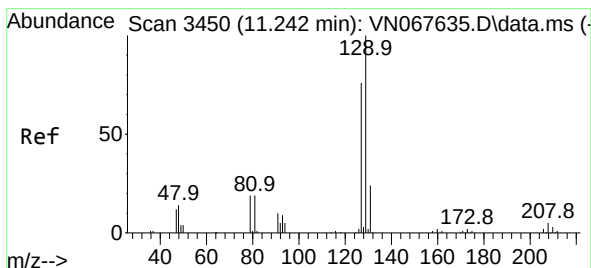
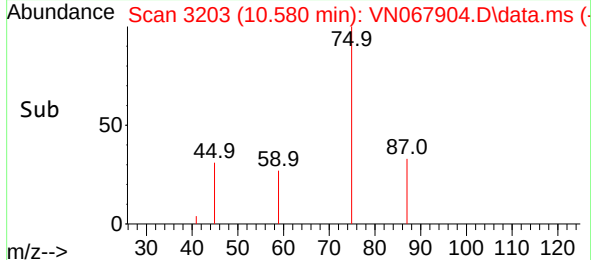
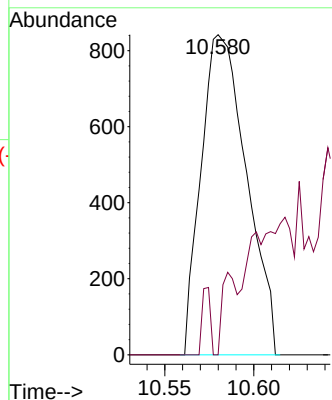
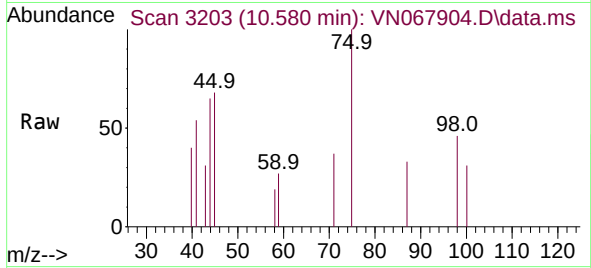




#53
t-1,3-Dichloropropene
Concen: 1.936 ug/l
RT: 10.580 min Scan# 3203
Delta R.T. -0.142 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

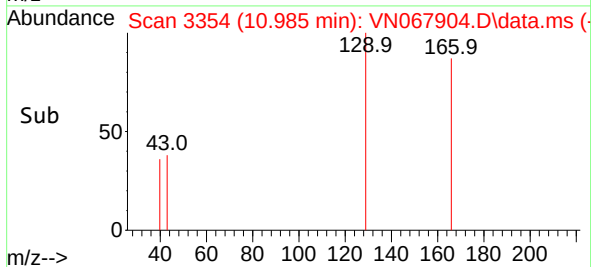
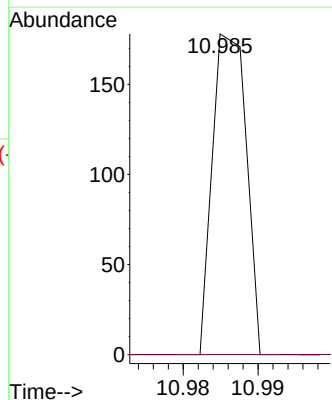
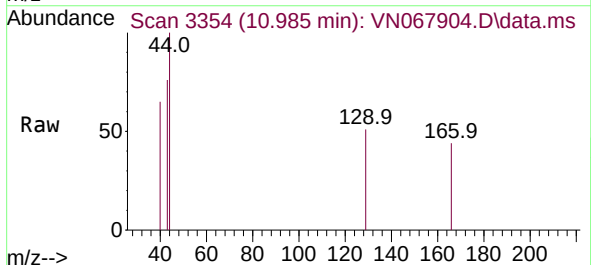
Instrument :
MSVOA_N
ClientSampled :

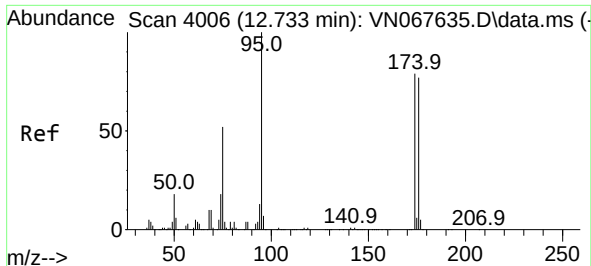
Tgt Ion: 75 Resp: 1495
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#60
Dibromochloromethane
Concen: 2.366 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.257 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion:129 Resp: 56
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

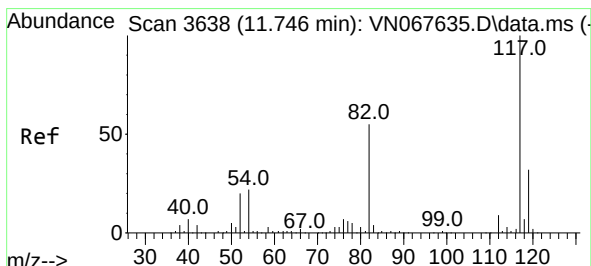
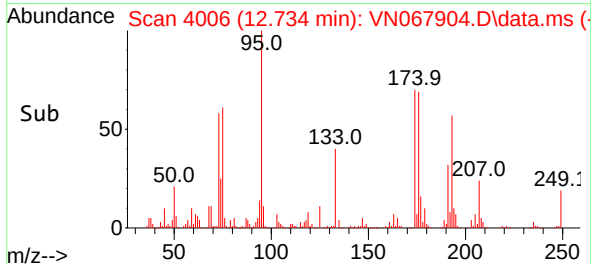
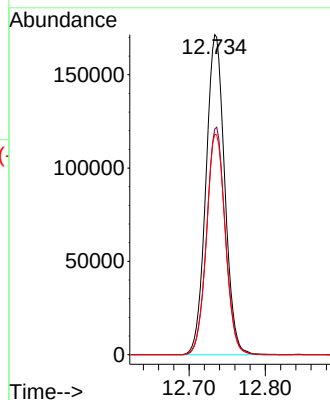
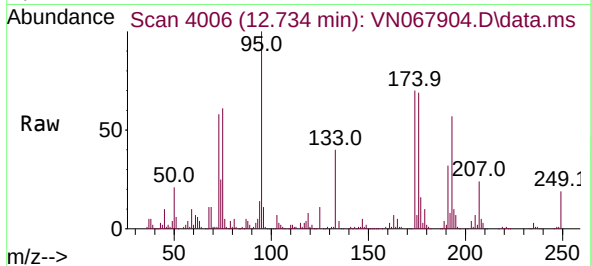




#62
4-Bromofluorobenzene
Concen: 50.817 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

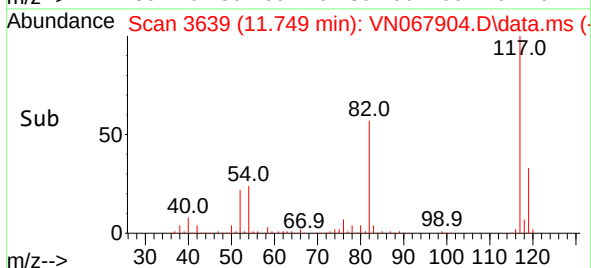
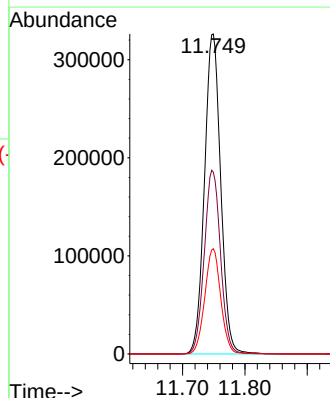
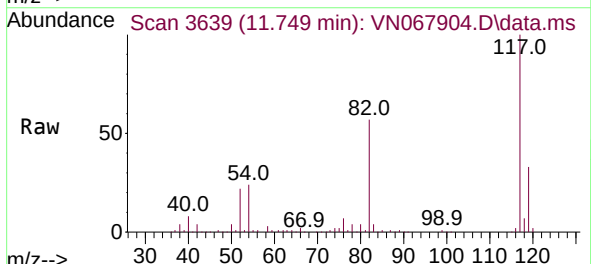
Instrument :
MSVOA_N
ClientSampled :

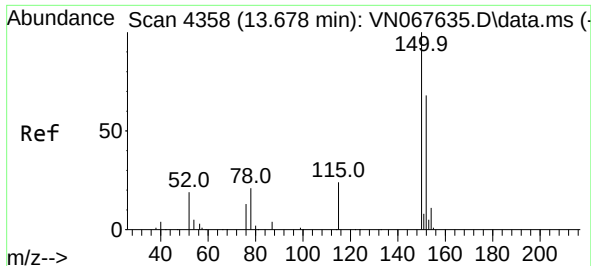
Tgt Ion: 95 Resp: 293009
Ion Ratio Lower Upper
95 100
174 70.3 0.0 122.0
176 69.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 117 Resp: 589881
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 32.9 25.5 38.3

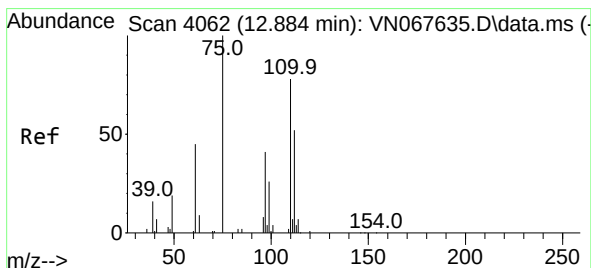
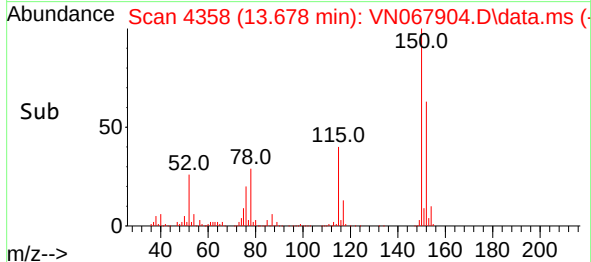
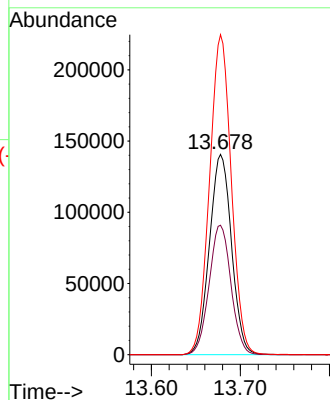
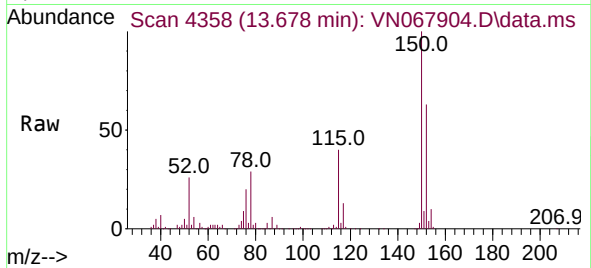




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

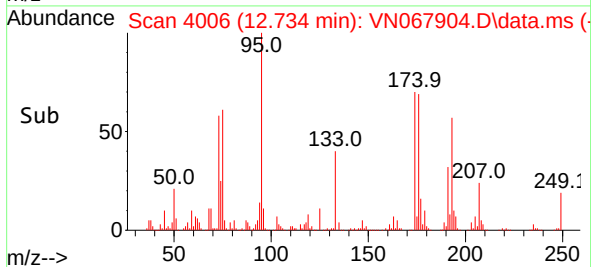
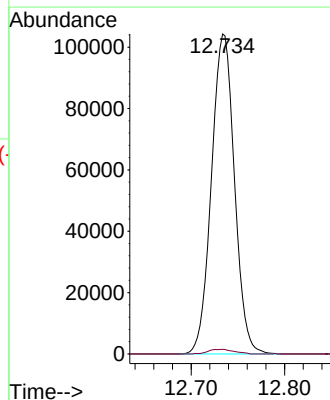
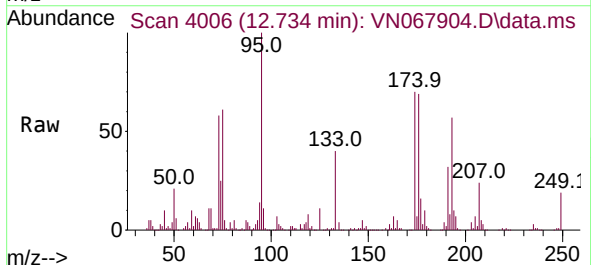
Instrument :
MSVOA_N
ClientSampled :

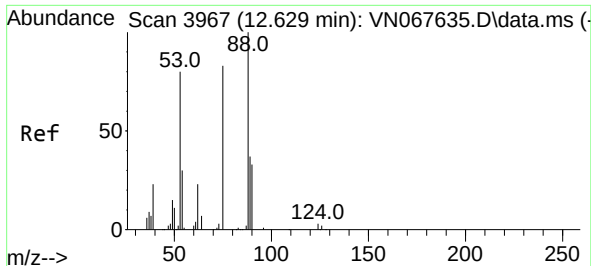
Tgt Ion:152 Resp: 242171
Ion Ratio Lower Upper
152 100
115 64.0 36.1 108.5
150 157.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 36.054 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion: 75 Resp: 178309
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

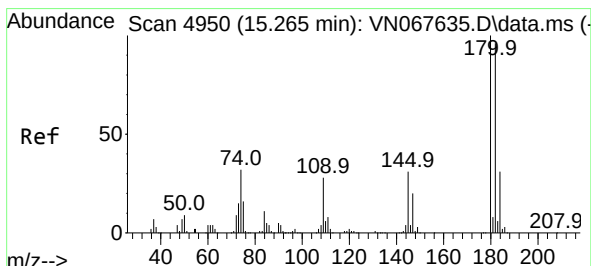
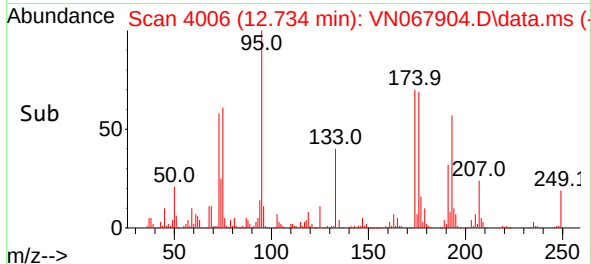
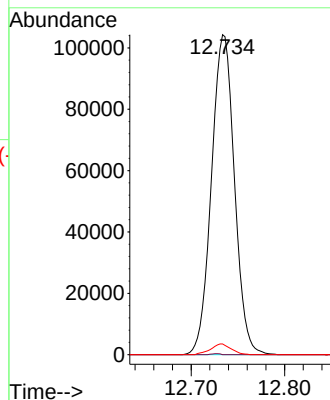
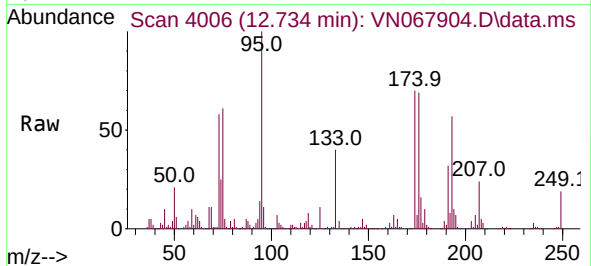




#81
trans-1,4-Dichloro-2-butene
Concen: 116.243 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

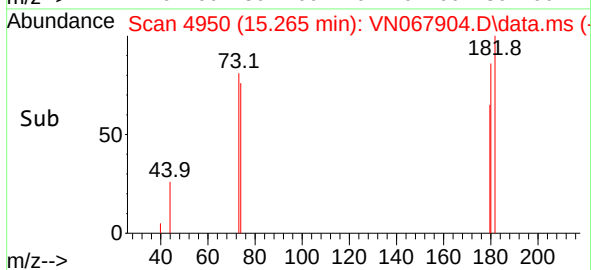
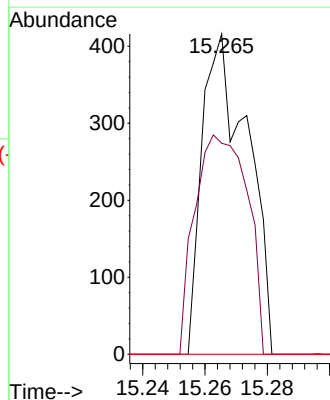
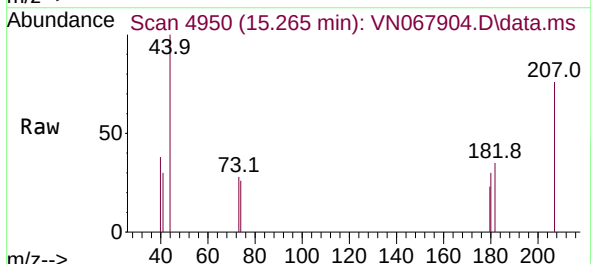
Instrument :
MSVOA_N
ClientSampled :

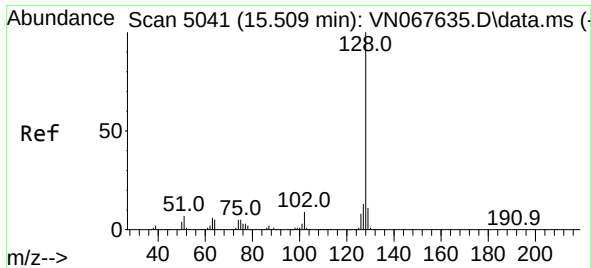
Tgt Ion: 75 Resp: 178309
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 3.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.773 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion:180 Resp: 420
Ion Ratio Lower Upper
180 100
182 79.5 47.5 142.5
145 0.0 17.2 51.6#

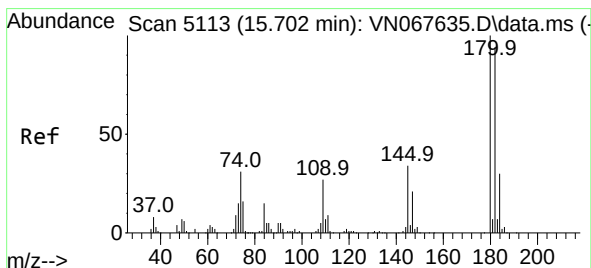
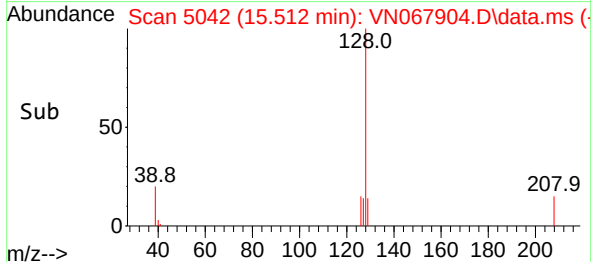
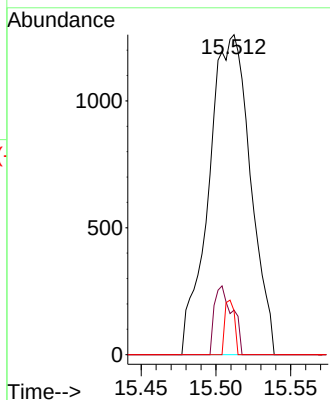
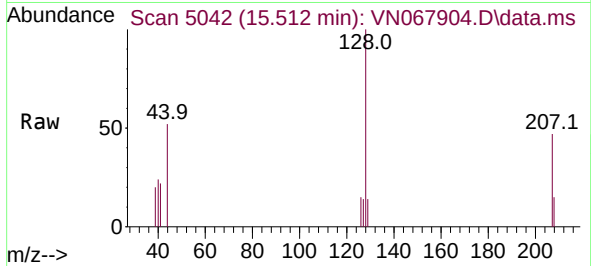




#95
Naphthalene
Concen: 3.206 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2442
Ion Ratio Lower Upper
128 100
127 9.3 10.6 15.8#
129 3.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.694 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067904.D
Acq: 26 Jul 2021 14:00

Tgt Ion:180 Resp: 253
Ion Ratio Lower Upper
180 100
182 83.4 47.8 143.3
145 0.0 18.2 54.6#

