

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067877.D
 Acq On : 23 Jul 2021 14:02
 Operator : JC/MD
 Sample : M3160-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:41:41 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)

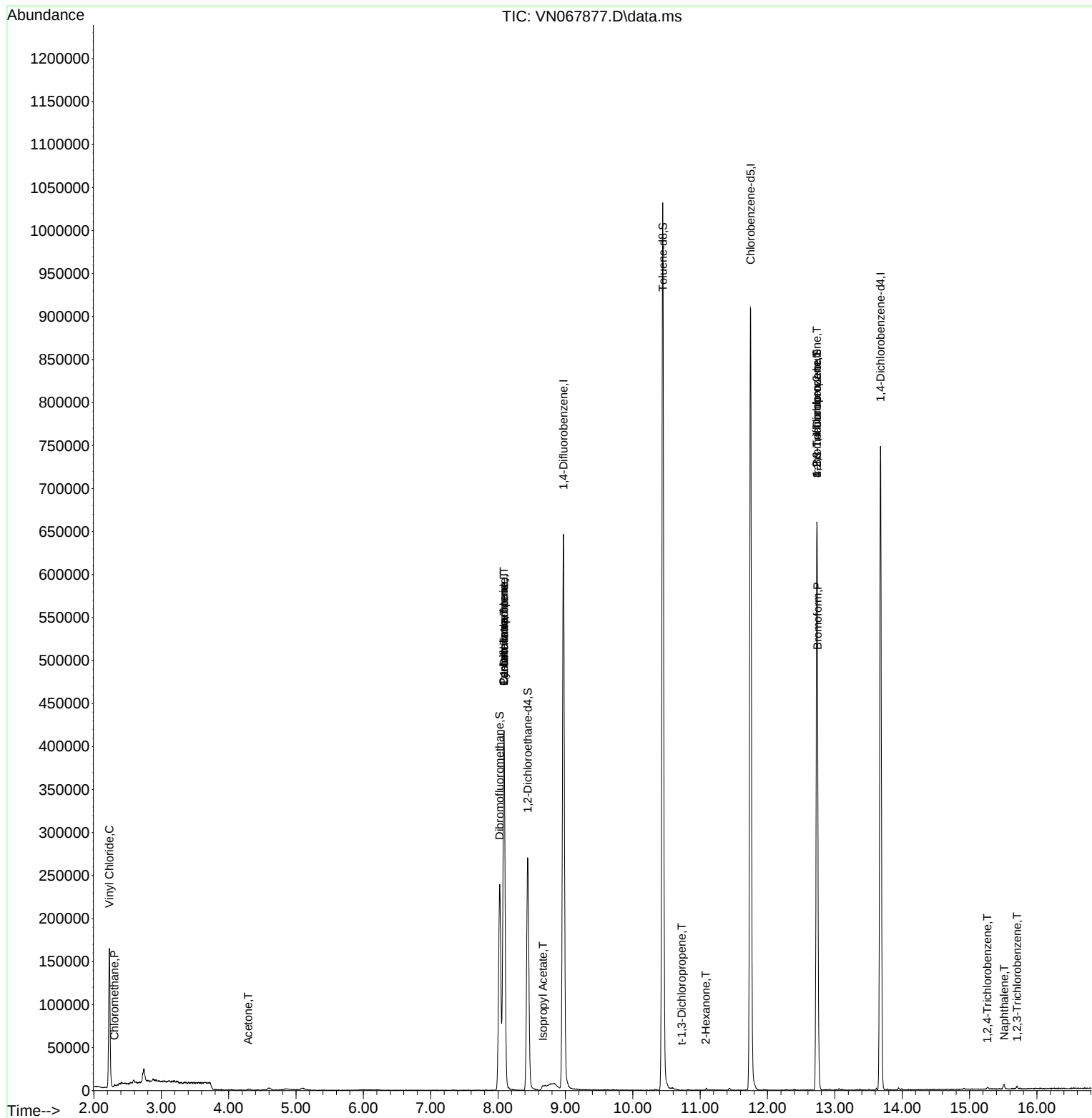
Internal Standards						
1) Pentafluorobenzene	8.088	168	297461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	566202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	534956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	190373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	233340	51.905	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.800%	
35) Dibromofluoromethane	8.024	113	173413	50.693	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.380%	
50) Toluene-d8	10.446	98	719262	50.232	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.734	95	234318	46.324	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.640%	
Target Compounds						Qvalue
3) Chloromethane	2.303	50	1285	0.321	ug/l	91
4) Vinyl Chloride	2.231	62	1972	0.326	ug/l #	47
5) Bromomethane	2.845	94	143	Below Cal	#	4
6) Chloroethane	3.124	64	58	Below Cal	#	44
7) Trichlorofluoromethane	3.374	101	52	Below Cal	#	18
13) Acrolein	4.039	56	145	Below Cal	#	14
16) Acetone	4.288	43	1005	0.710	ug/l #	84
20) Methylene Chloride	5.087	84	655	Below Cal	#	51
31) Cyclohexane	8.088	56	8368	1.328	ug/l #	30
36) 1,1-Dichloropropene	8.088	75	27647	5.257	ug/l #	52
38) Carbon Tetrachloride	8.088	117	32724	6.308	ug/l #	17
43) Isopropyl Acetate	8.668	43	3256	0.363	ug/l #	58
53) t-1,3-Dichloropropene	10.727	75	138	1.765	ug/l #	43
59) 2-Hexanone	11.084	43	1004	0.261	ug/l	82
71) Bromoform	12.744	173	78	3.197	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	133433	34.321	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	133433	110.655	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	746	2.897	ug/l	74
95) Naphthalene	15.515	128	4775	3.494	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.705	180	997	2.943	ug/l	88

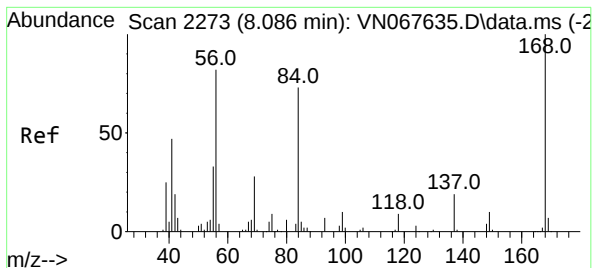
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067877.D

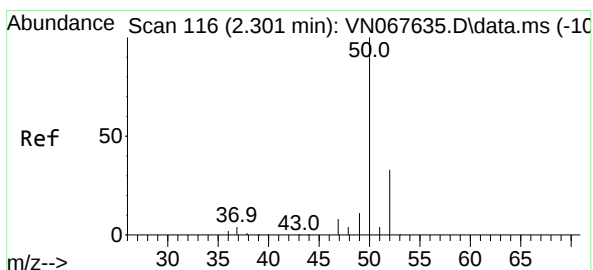
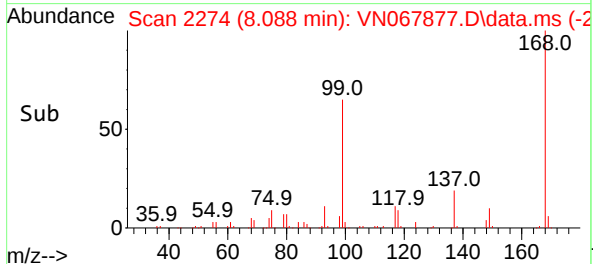
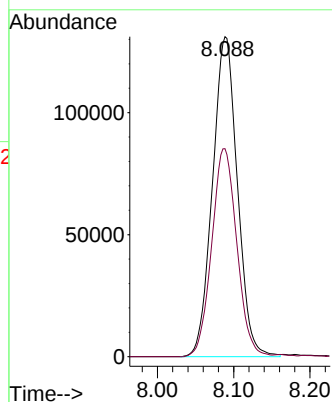
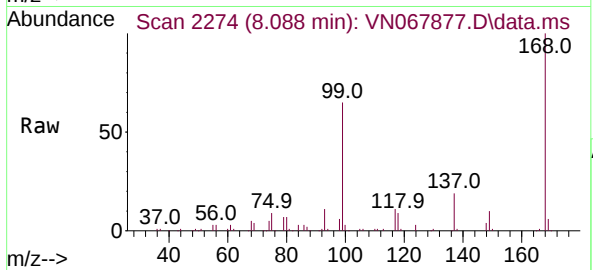
Acq: 23 Jul 2021 14:02

Tgt Ion:168 Resp: 297461

Ion Ratio Lower Upper

168 100

99 65.0 62.9 94.3



#3

Chloromethane

Concen: 0.321 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN067877.D

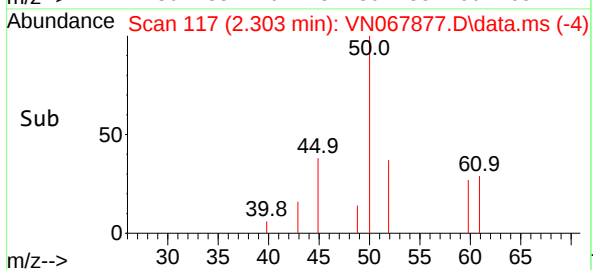
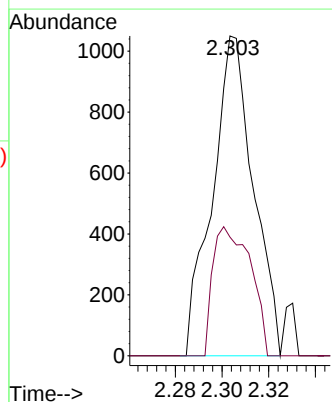
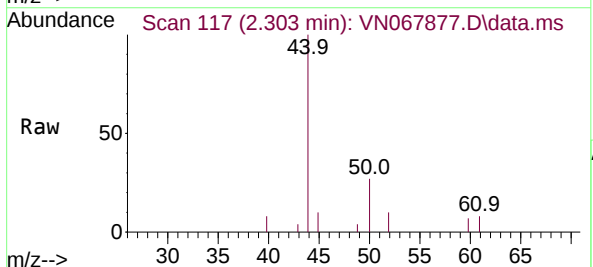
Acq: 23 Jul 2021 14:02

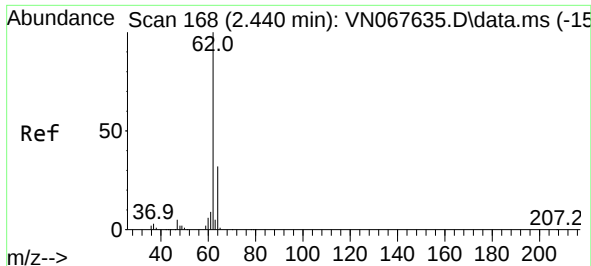
Tgt Ion: 50 Resp: 1285

Ion Ratio Lower Upper

50 100

52 37.1 25.6 38.4

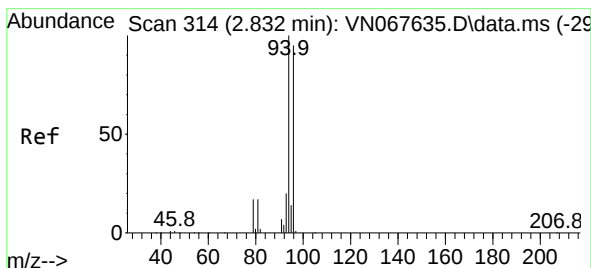
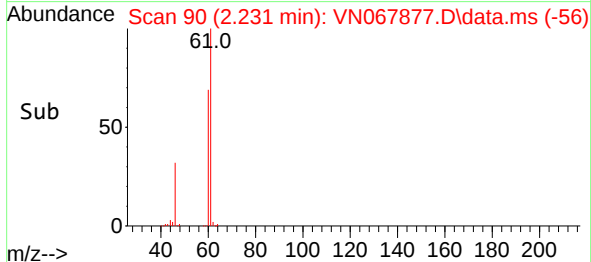
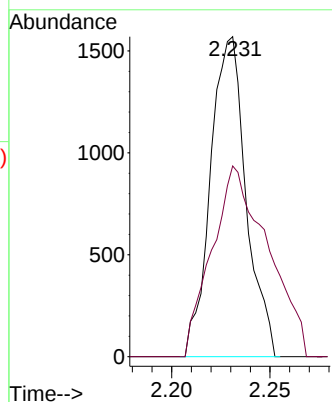
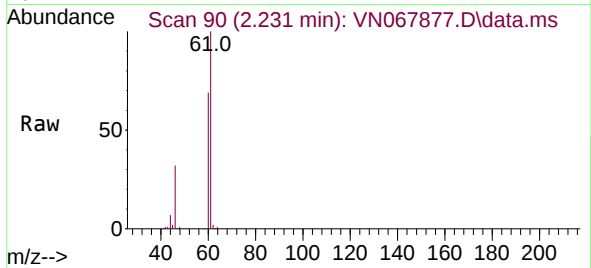




#4
 Vinyl Chloride
 Concen: 0.326 ug/l
 RT: 2.231 min Scan# 90
 Delta R.T. -0.209 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02

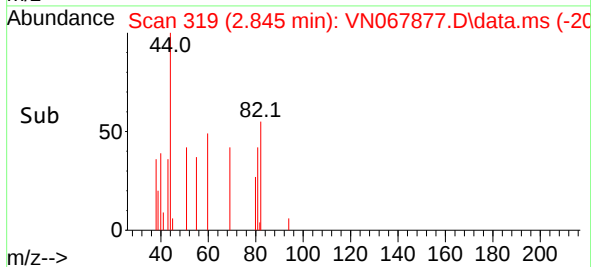
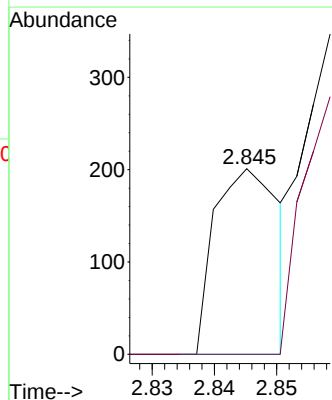
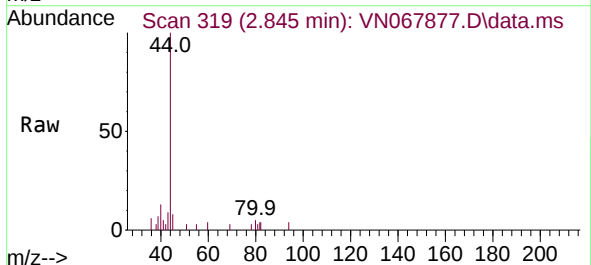
Instrument :
 MSVOA_N
 ClientSampled :

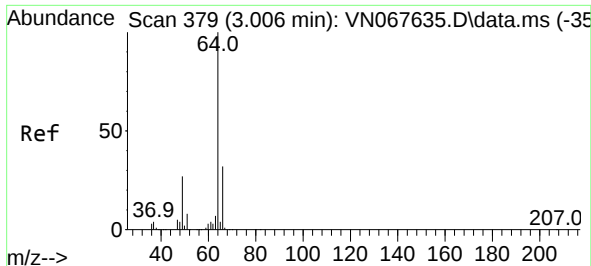
Tgt Ion: 62 Resp: 1972
 Ion Ratio Lower Upper
 62 100
 64 59.6 24.4 36.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.845 min Scan# 319
 Delta R.T. 0.013 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02

Tgt Ion: 94 Resp: 143
 Ion Ratio Lower Upper
 94 100
 96 0.0 73.7 110.5#

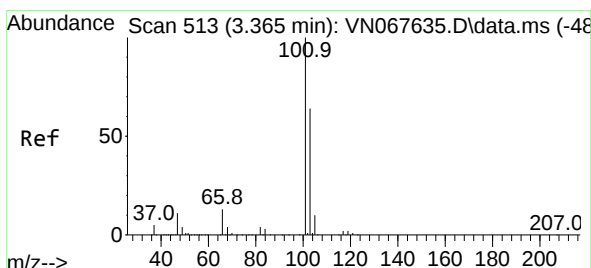
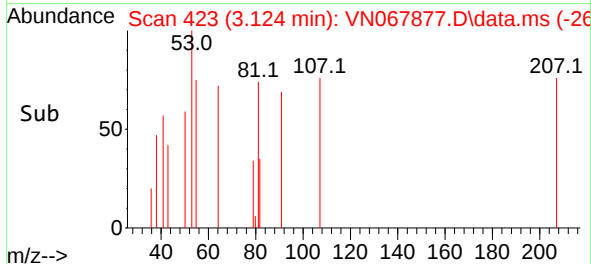
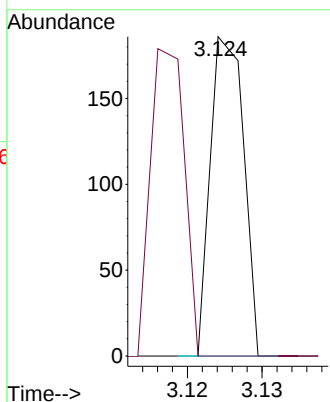
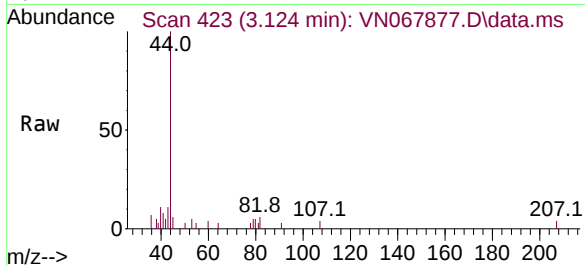




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 423
Delta R.T. 0.118 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

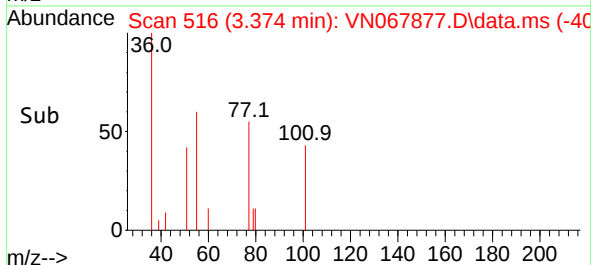
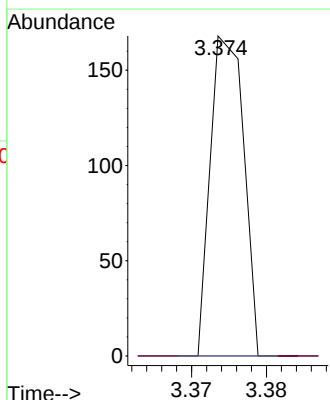
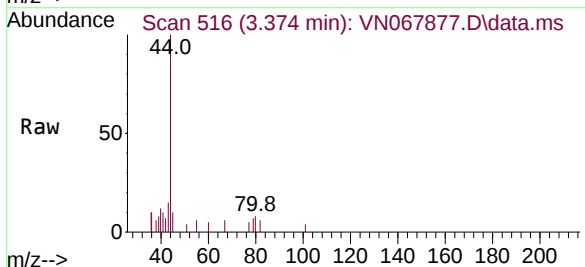
Instrument :
MSVOA_N
ClientSampleId :

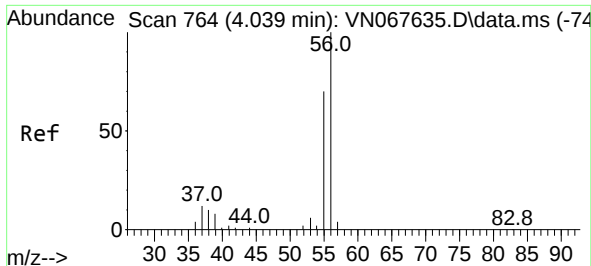
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.374 min Scan# 516
Delta R.T. 0.009 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion: 101 Resp: 52
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

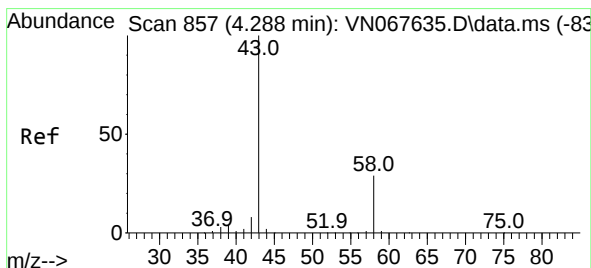
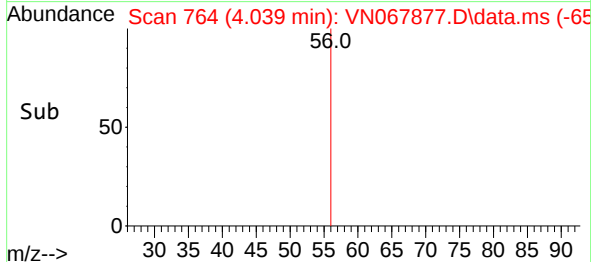
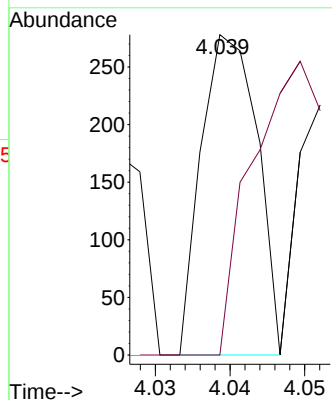
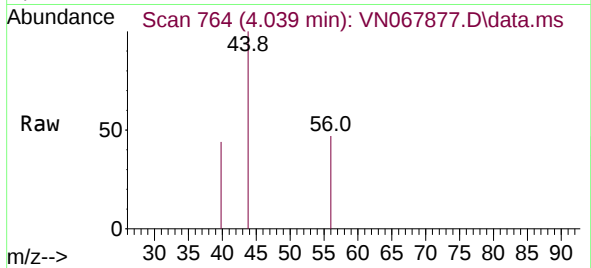




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

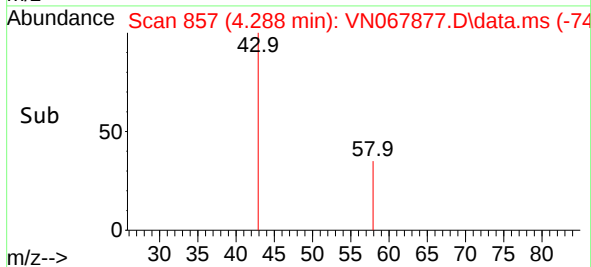
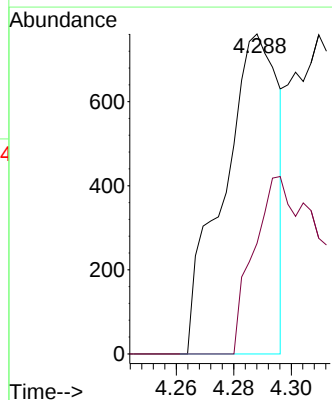
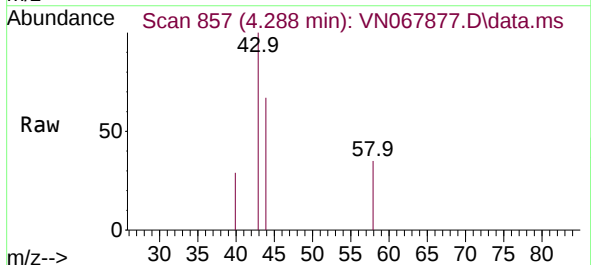
Instrument :
MSVOA_N
ClientSampled :

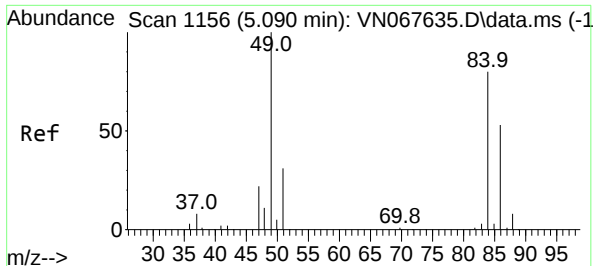
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 0.710 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.000 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

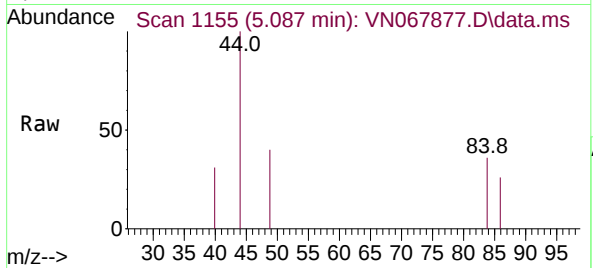
Tgt Ion: 43 Resp: 1005
Ion Ratio Lower Upper
43 100
58 34.6 21.2 31.8#



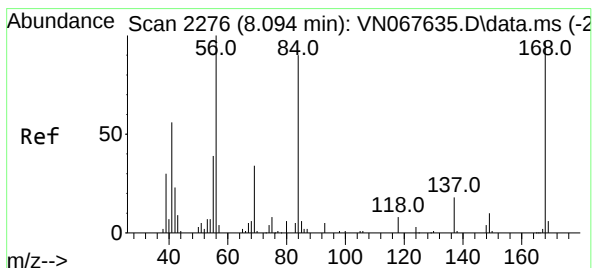
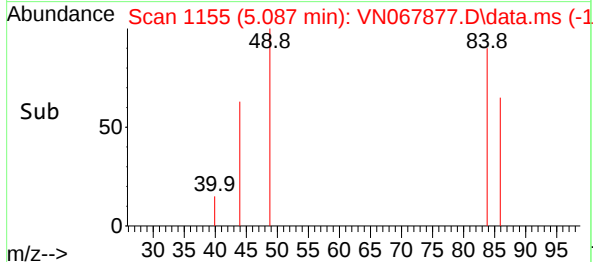
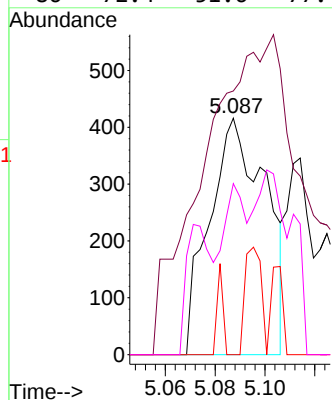


#20
Methylene Chloride
Concen: Below Cal
RT: 5.087 min Scan# 1155
Delta R.T. -0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Instrument :
MSVOA_N
ClientSampled :

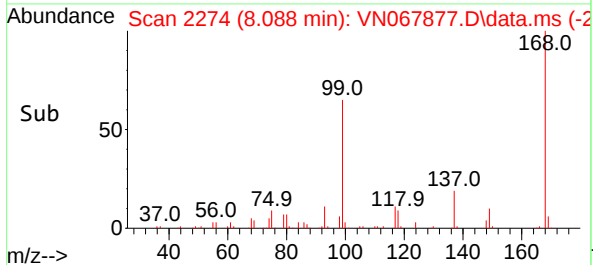
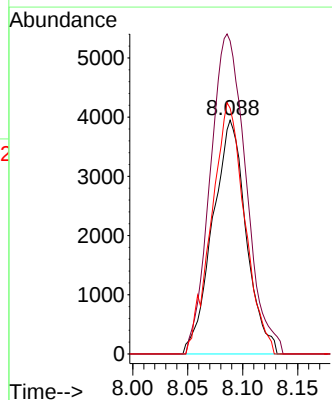
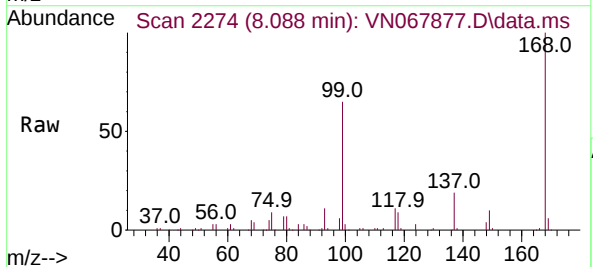


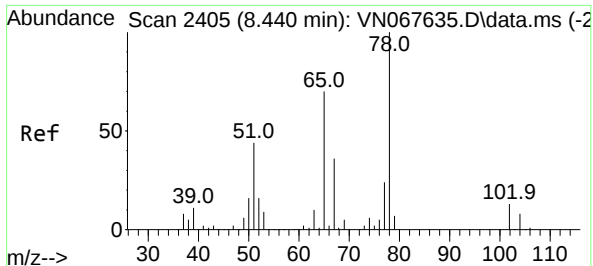
Tgt Ion:	84	Resp:	655
Ion	Ratio	Lower	Upper
84	100		
49	63.0	110.9	166.3#
51	0.0	32.6	49.0#
86	72.4	51.6	77.4



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion:	56	Resp:	8368
Ion	Ratio	Lower	Upper
56	100		
69	133.8	27.3	40.9#
84	105.1	64.9	97.3#



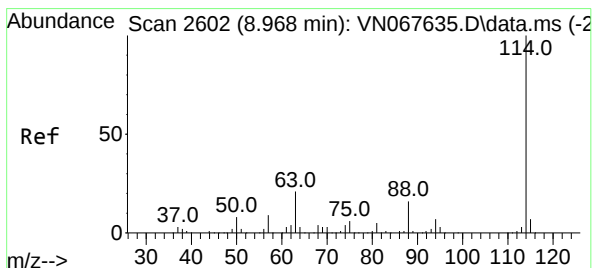
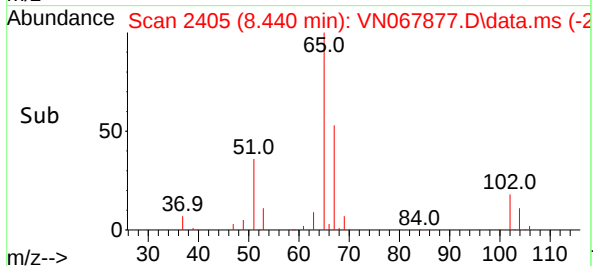
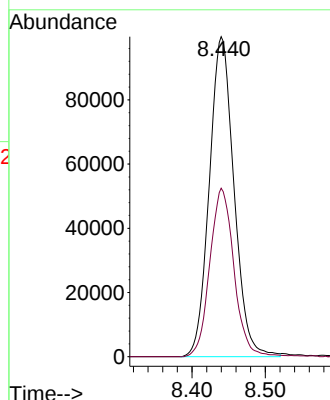
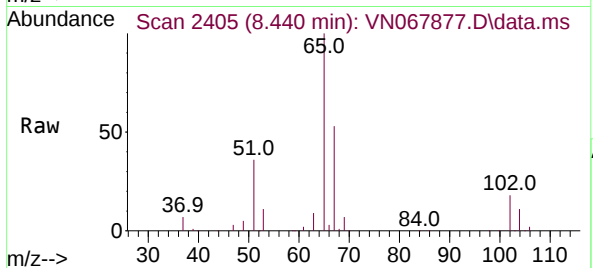


#33

1,2-Dichloroethane-d4
Concen: 51.905 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Instrument :
MSVOA_N
ClientSampled :

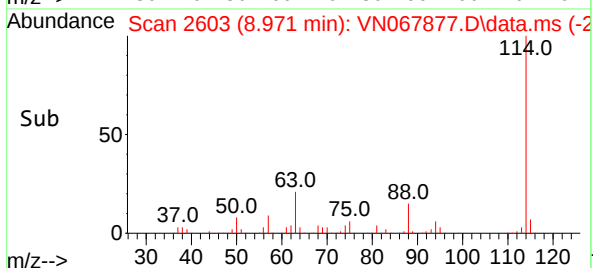
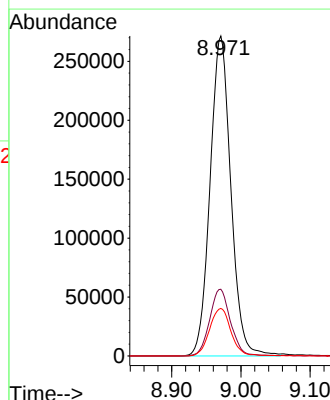
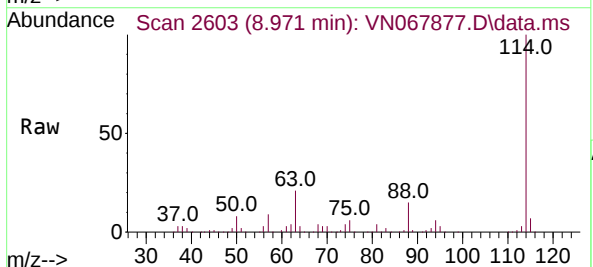
Tgt Ion: 65 Resp: 233340
Ion Ratio Lower Upper
65 100
67 51.4 0.0 98.6

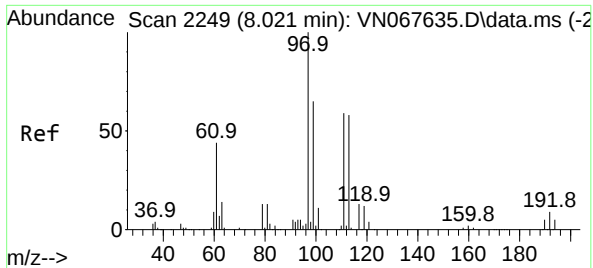


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion: 114 Resp: 566202
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 14.8 0.0 36.6

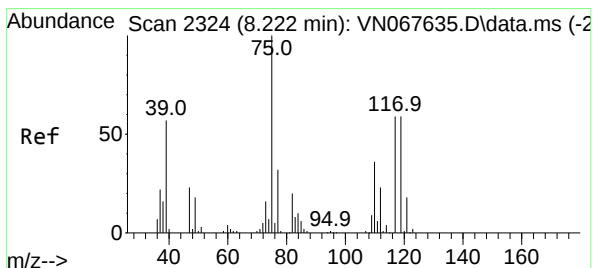
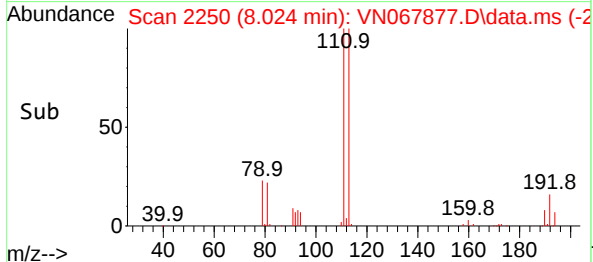
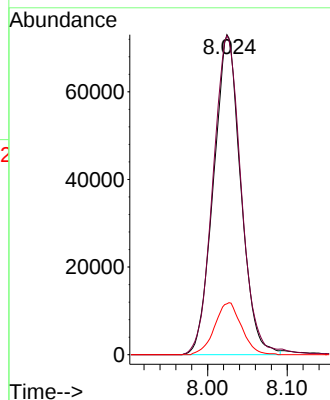
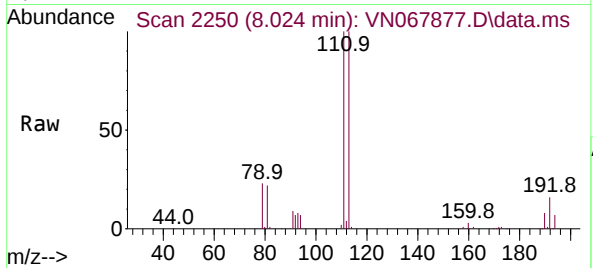




#35
Dibromofluoromethane
Concen: 50.693 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

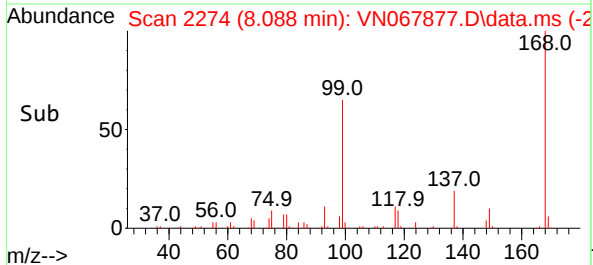
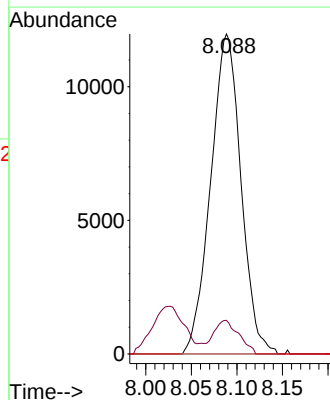
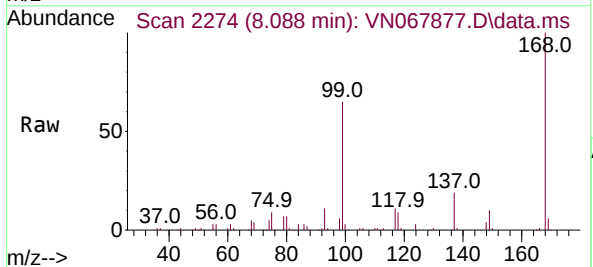
Instrument :
MSVOA_N
ClientSampled :

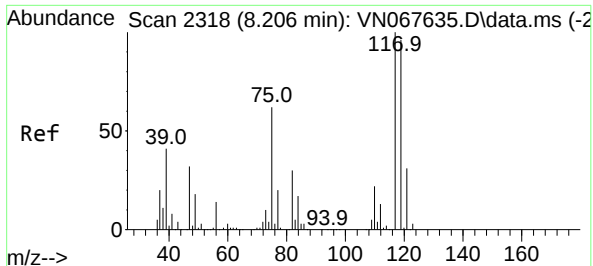
Tgt Ion:	113	Resp:	173413
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.8	125.8
192	16.1	13.4	20.0



#36
1,1-Dichloropropene
Concen: 5.257 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

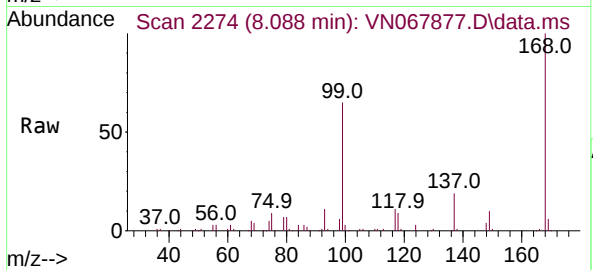
Tgt Ion:	75	Resp:	27647
Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.7	47.0#
77	0.0	24.6	37.0#



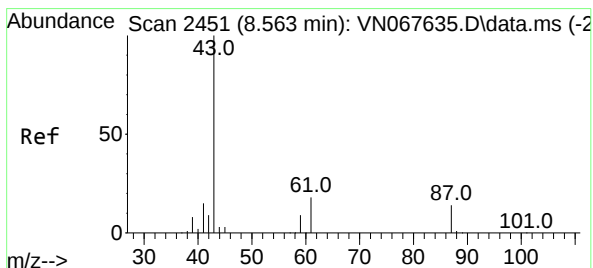
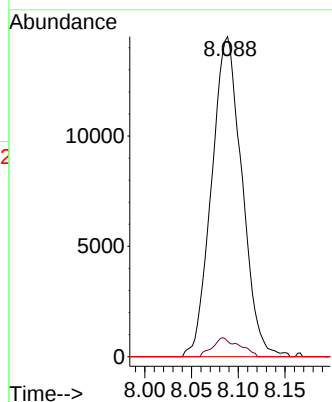
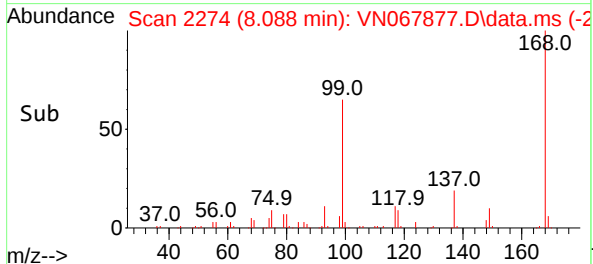


#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

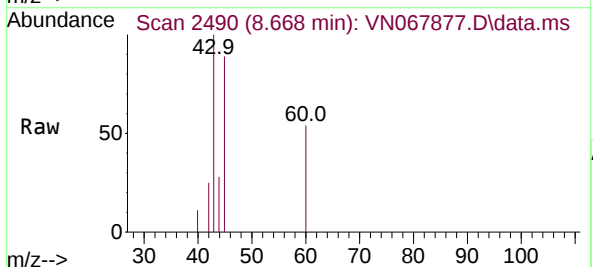
Instrument :
MSVOA_N
ClientSampleId :



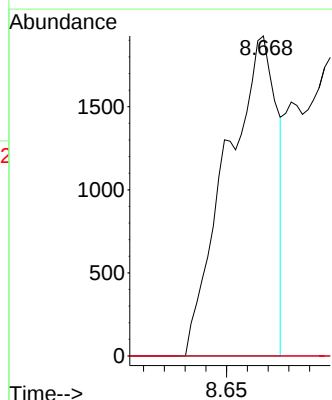
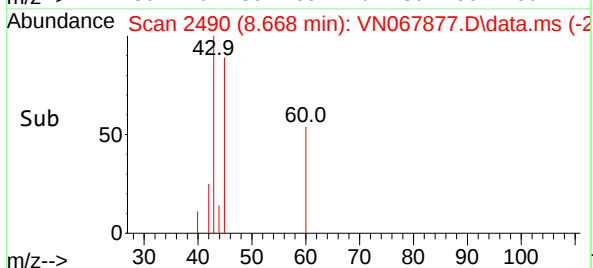
Tgt Ion:117 Resp: 32724
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

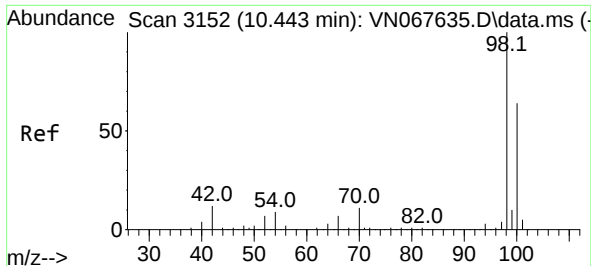


#43
Isopropyl Acetate
Concen: 0.363 ug/l
RT: 8.668 min Scan# 2490
Delta R.T. 0.105 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02



Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

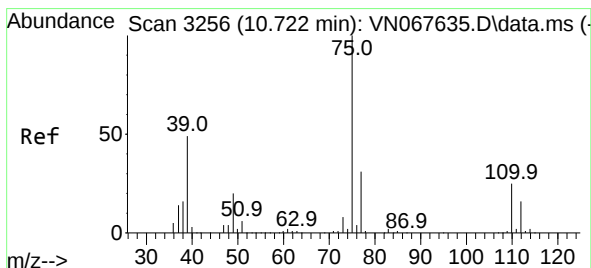
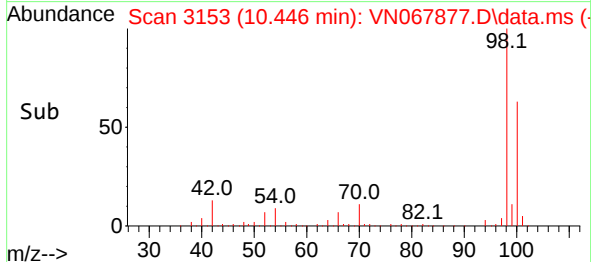
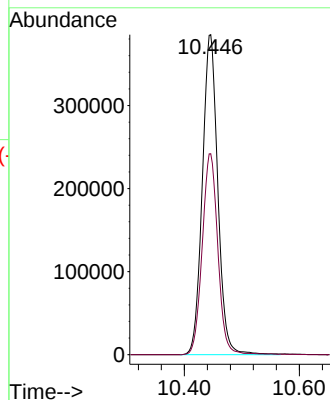
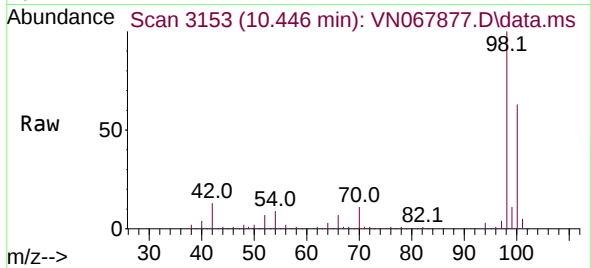




#50
Toluene-d8
Concen: 50.232 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

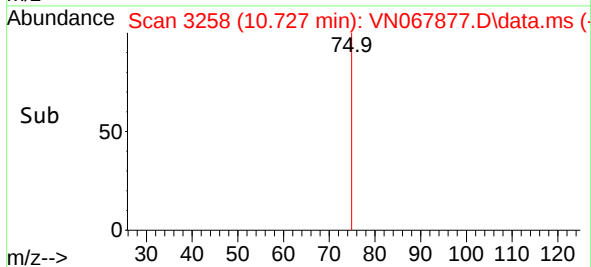
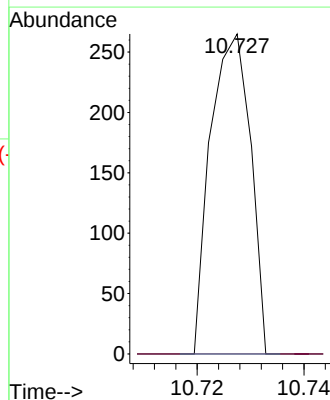
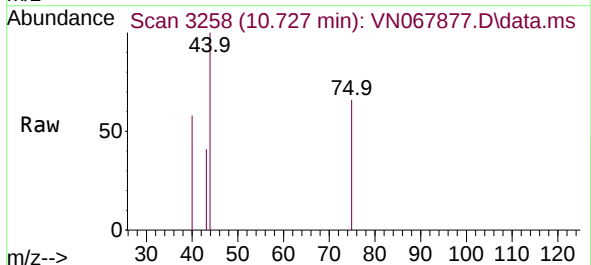
Instrument :
MSVOA_N
ClientSampled :

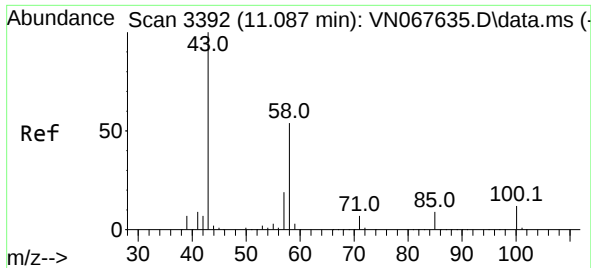
Tgt Ion: 98 Resp: 719262
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.765 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.005 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion: 75 Resp: 138
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

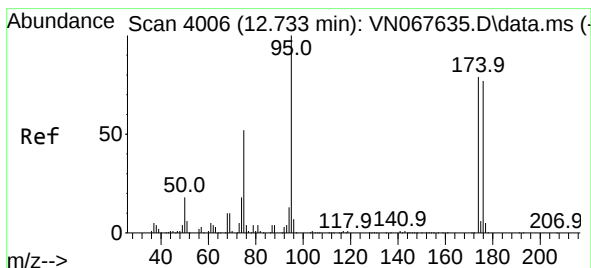
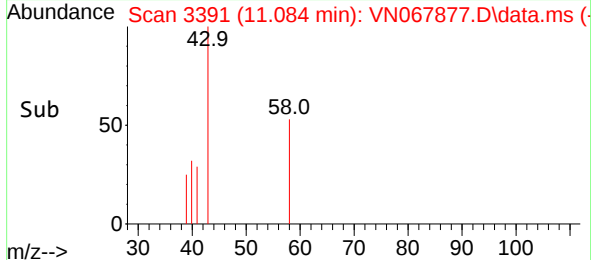
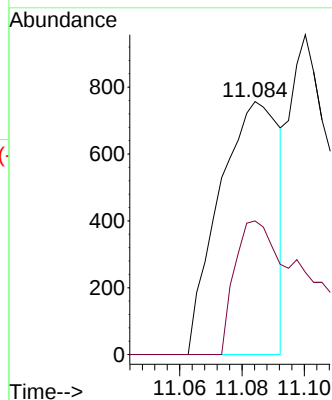
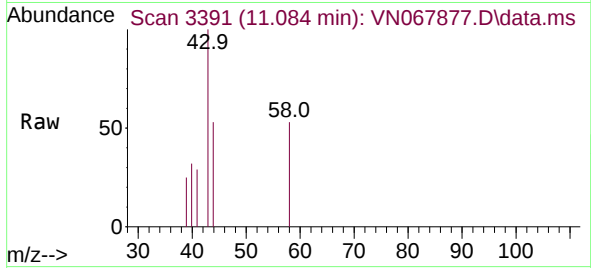




#59
2-Hexanone
Concen: 0.261 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

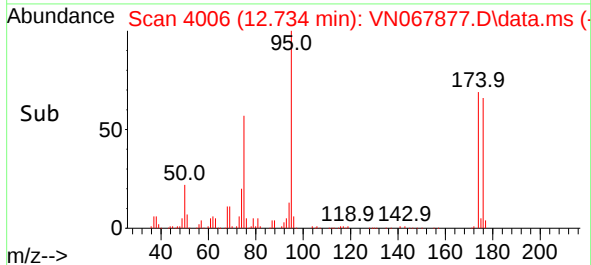
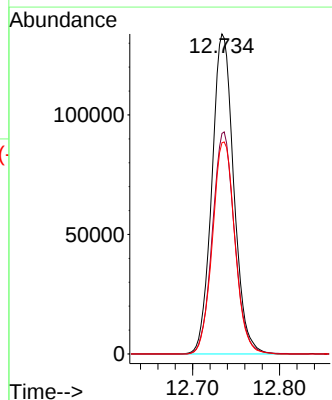
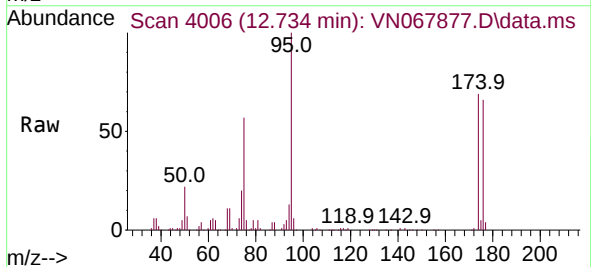
Instrument :
MSVOA_N
ClientSampled :

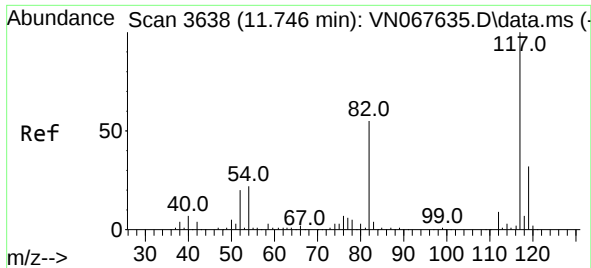
Tgt Ion: 43 Resp: 1004
Ion Ratio Lower Upper
43 100
58 61.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.324 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion: 95 Resp: 234318
Ion Ratio Lower Upper
95 100
174 70.4 0.0 122.0
176 67.9 0.0 117.6

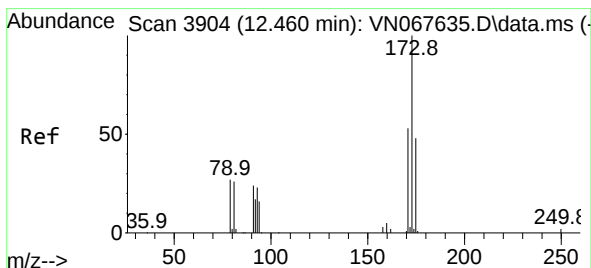
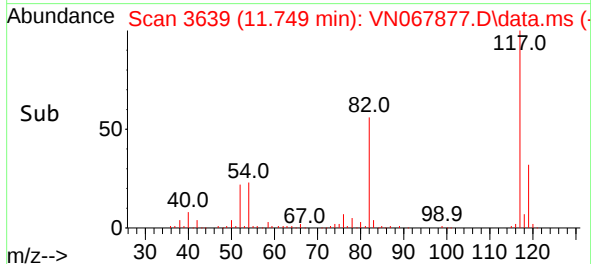
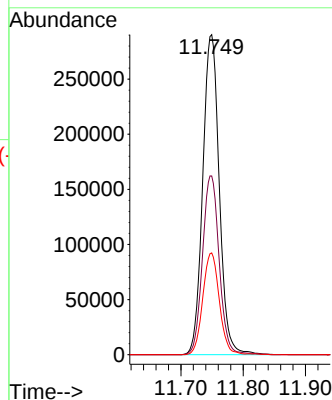
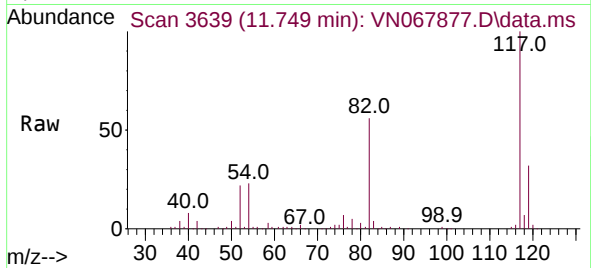




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

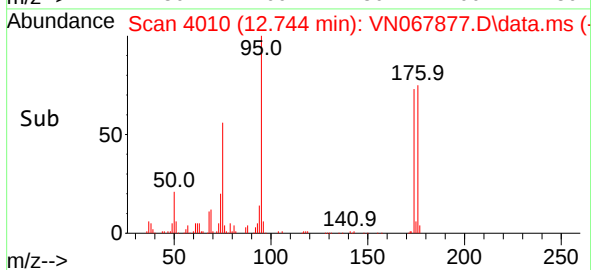
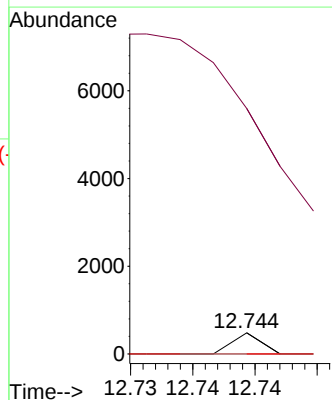
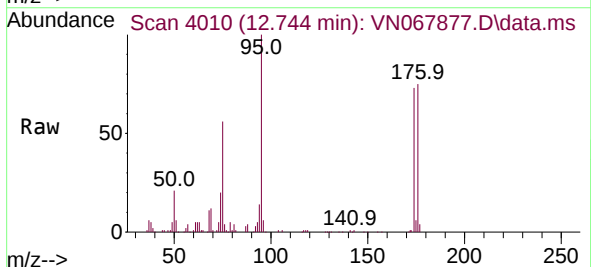
Instrument :
MSVOA_N
ClientSampleId :

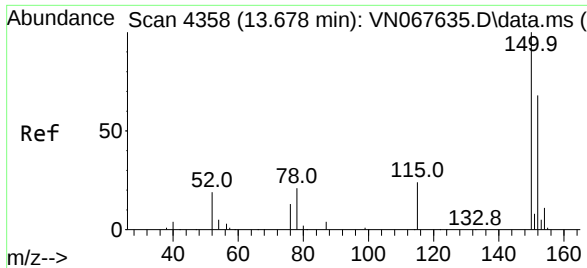
Tgt Ion:117 Resp: 534956
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 3.197 ug/l
RT: 12.744 min Scan# 4010
Delta R.T. 0.284 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion:173 Resp: 78
Ion Ratio Lower Upper
173 100
175 15550.0 23.9 71.8#
254 0.0 0.0 0.0

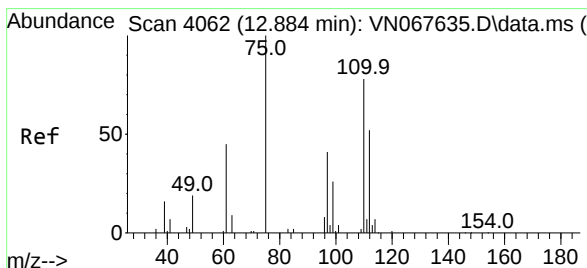
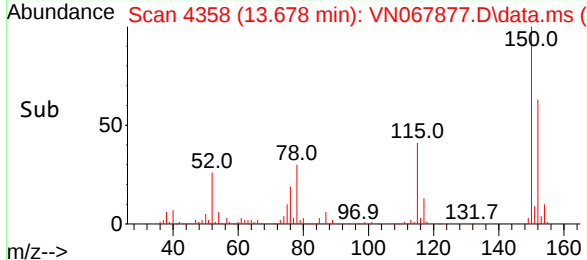
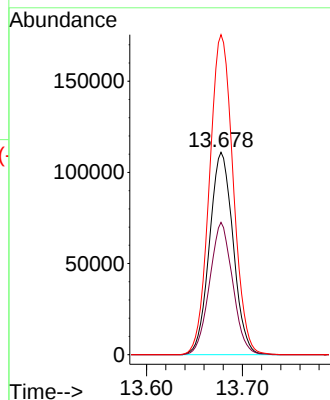
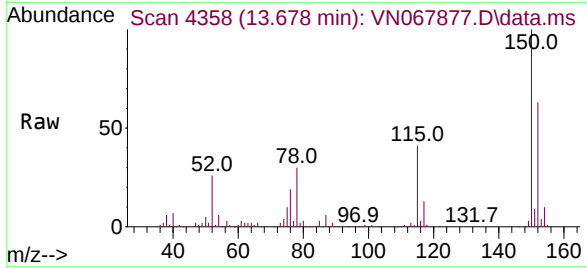




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02

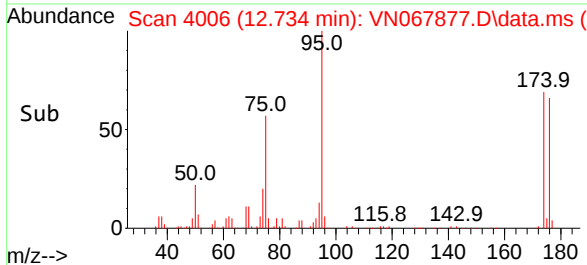
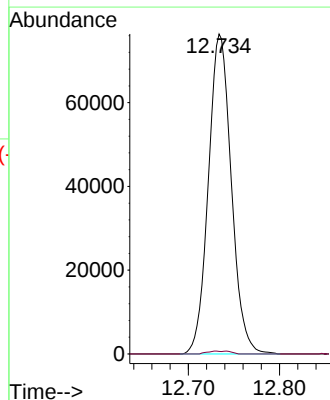
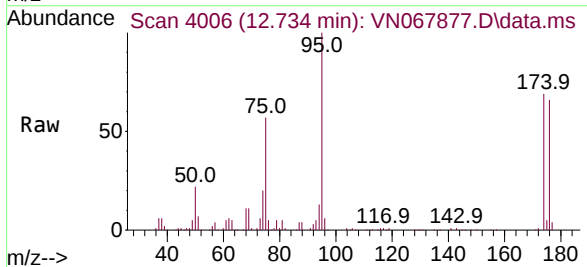
Instrument :
 MSVOA_N
 ClientSampled :

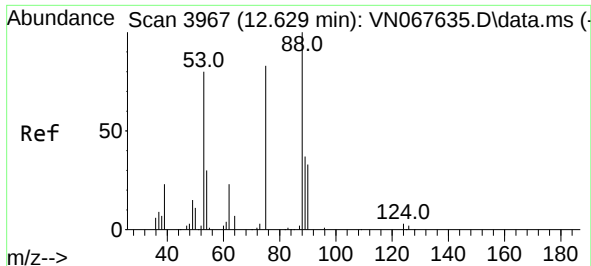
Tgt Ion:152 Resp: 190373
 Ion Ratio Lower Upper
 152 100
 115 63.8 36.1 108.5
 150 158.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 34.321 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02

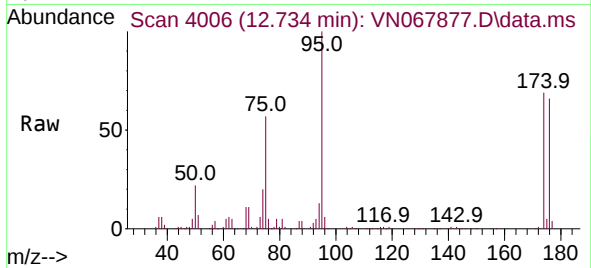
Tgt Ion: 75 Resp: 133433
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



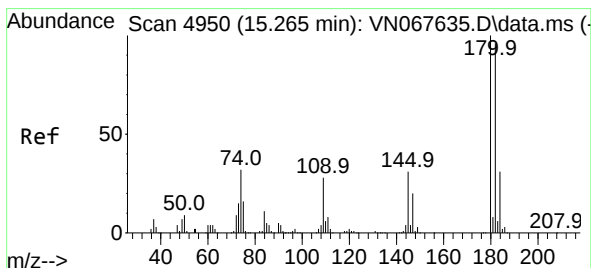
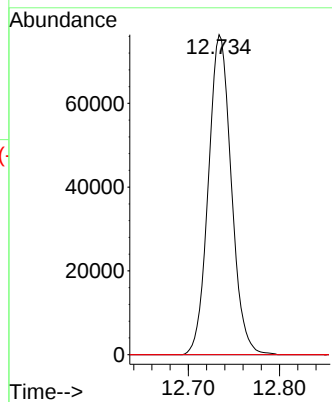
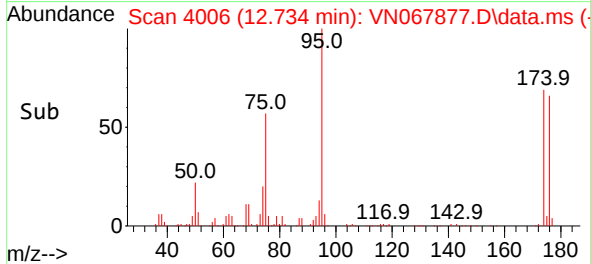


#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.655 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02

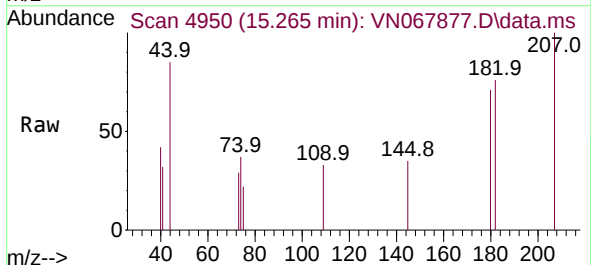
Instrument :
 MSVOA_N
 ClientSampleId :



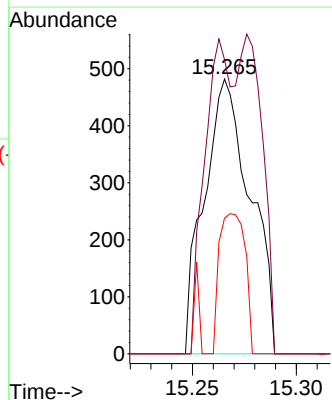
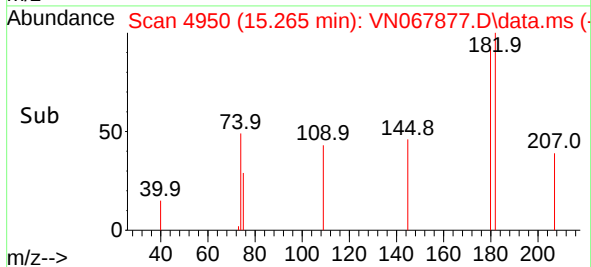
Tgt Ion: 75 Resp: 133433
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#

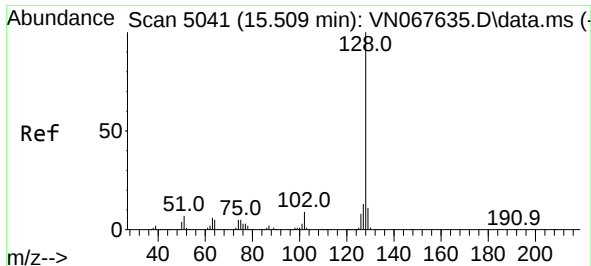


#93
 1,2,4-Trichlorobenzene
 Concen: 2.897 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN067877.D
 Acq: 23 Jul 2021 14:02



Tgt Ion:180 Resp: 746
 Ion Ratio Lower Upper
 180 100
 182 63.5 47.5 142.5
 145 28.6 17.2 51.6

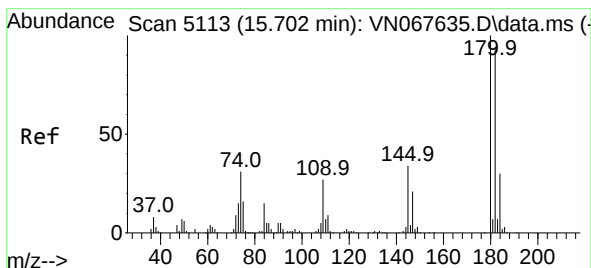
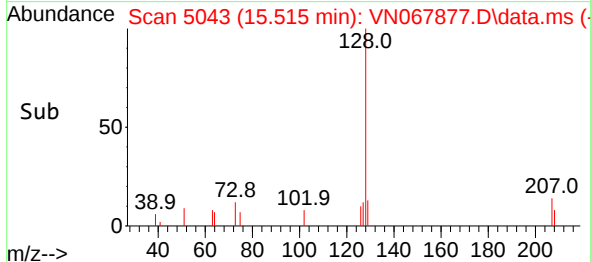
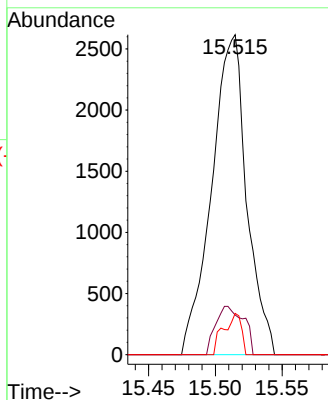
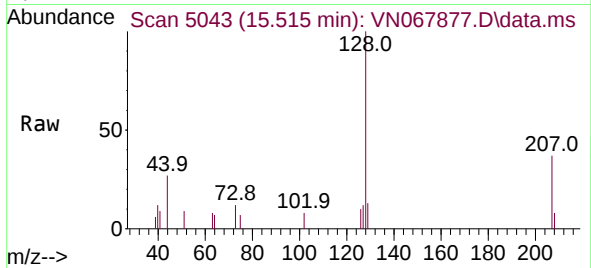




#95
Naphthalene
Concen: 3.494 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	4775
Ion Ratio	Lower	Upper
128	100	
127	12.0	10.6 15.8
129	6.5	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.943 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067877.D
Acq: 23 Jul 2021 14:02

Tgt Ion:180	Resp:	997
Ion Ratio	Lower	Upper
180	100	
182	104.9	47.8 143.3
145	25.6	18.2 54.6

