

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067736.D
 Acq On : 14 Jul 2021 11:46
 Operator : JC/MD
 Sample : VN0714MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 14 17:49:46 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)

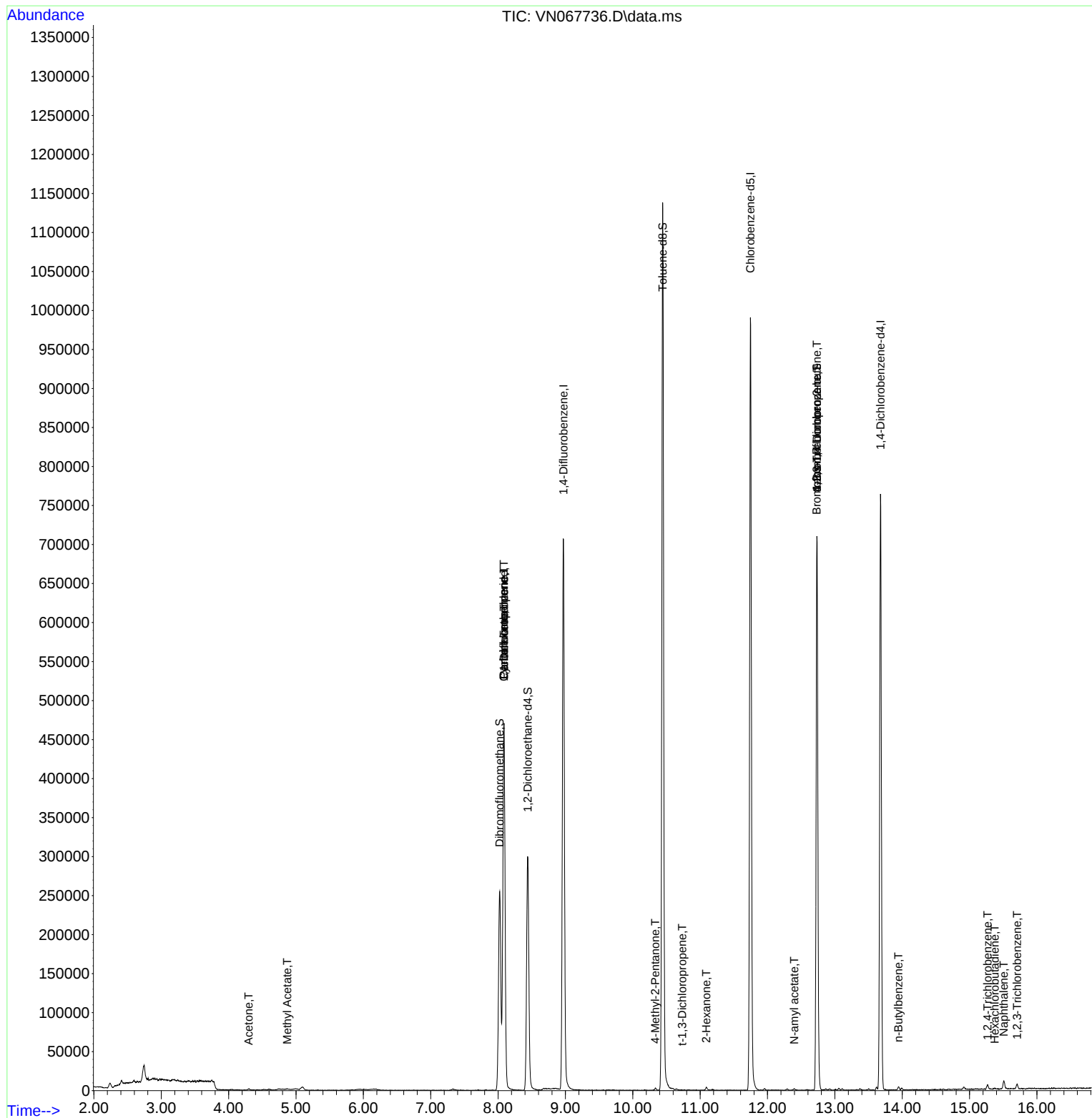
Internal Standards						
1) Pentafluorobenzene	8.088	168	340093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	622886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	574032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	196268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	260930	50.766	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.540%			
35) Dibromofluoromethane	8.024	113	186083	49.446	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.900%			
50) Toluene-d8	10.443	98	791657	50.256	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.734	95	248875	44.725	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.842	94	130	Below Cal	#	4
6) Chloroethane	3.054	64	53	Below Cal	#	44
13) Acrolein	4.031	56	159	Below Cal	#	1
16) Acetone	4.296	43	1096	0.678	ug/l #	82
18) Methyl Acetate	4.870	43	911	0.201	ug/l #	54
20) Methylene Chloride	5.090	84	1692	Below Cal	#	72
31) Cyclohexane	8.086	56	9476	1.315	ug/l #	42
36) 1,1-Dichloropropene	8.086	75	31198	5.392	ug/l #	47
38) Carbon Tetrachloride	8.088	117	38127	6.680	ug/l #	17
51) 4-Methyl-2-Pentanone	10.336	43	1756	0.290	ug/l	96
53) t-1,3-Dichloropropene	10.735	75	25	1.748	ug/l #	43
59) 2-Hexanone	11.089	43	3183	0.753	ug/l	100
71) Bromoform	12.731	173	729	3.361	ug/l #	1
74) N-amyl acetate	12.398	43	1425	0.248	ug/l #	72
76) 1,2,3-Trichloropropane	12.734	75	143222	35.733	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	143222	115.206	ug/l #	6
89) n-Butylbenzene	13.943	91	2739	0.261	ug/l	96
93) 1,2,4-Trichlorobenzene	15.268	180	1954	3.240	ug/l	90
94) Hexachlorobutadiene	15.373	225	385	0.292	ug/l #	44
95) Naphthalene	15.507	128	9826	3.973	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	2097	3.266	ug/l #	82

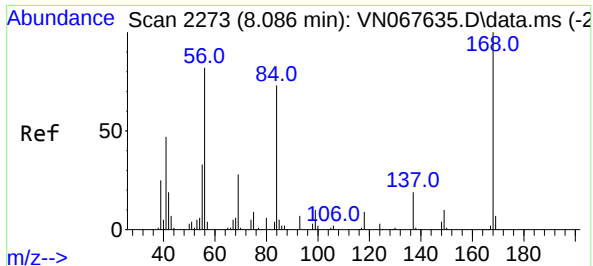
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Jul 14 17:49:46 2021
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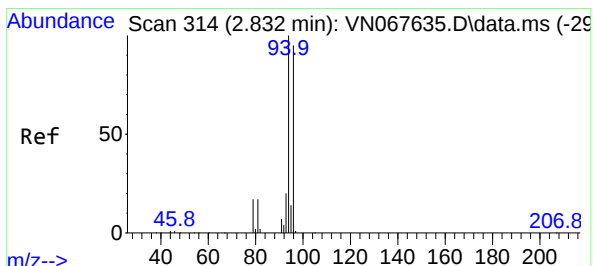
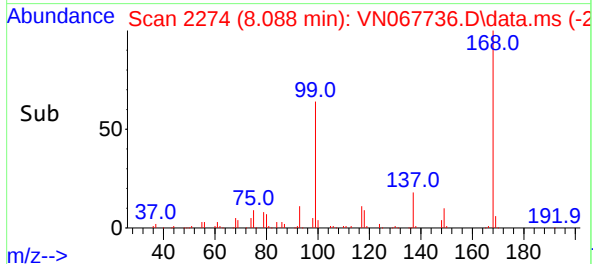
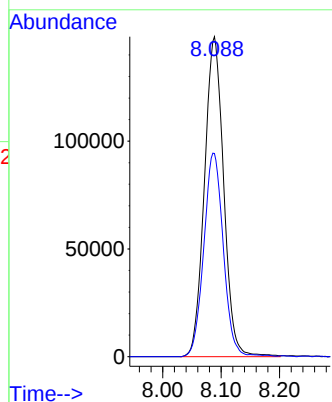
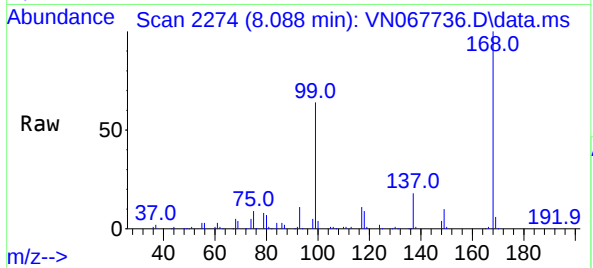




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

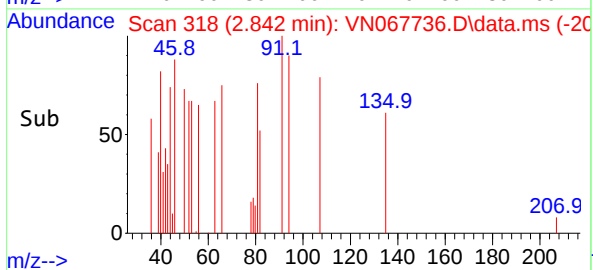
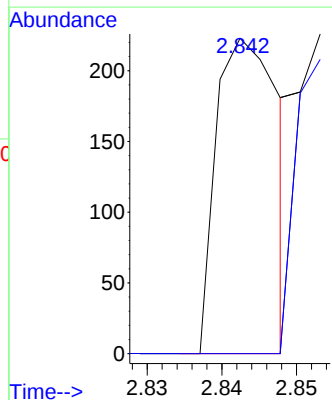
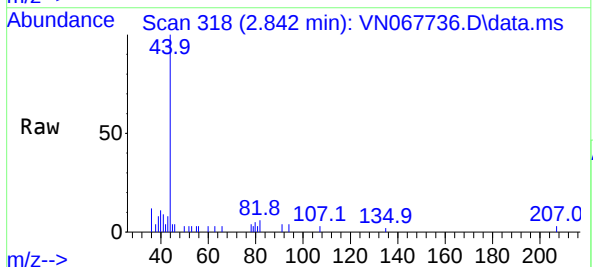
Instrument :
MSVOA_N
ClientSampleId :

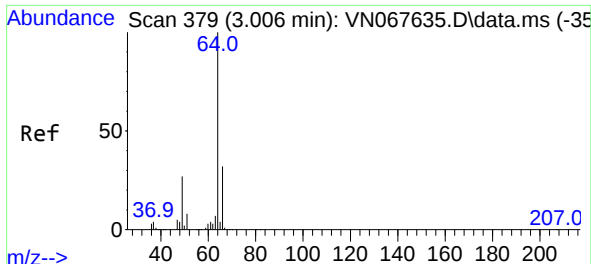
Tgt Ion:168 Resp: 340093
Ion Ratio Lower Upper
168 100
99 63.5 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.010 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

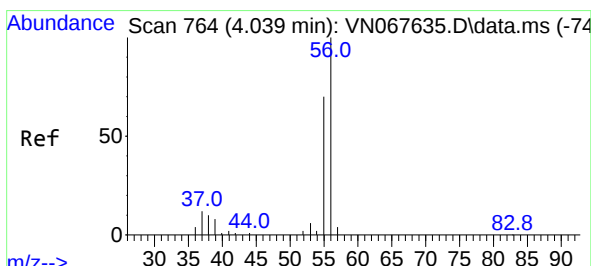
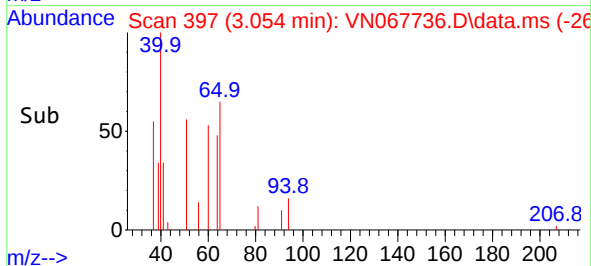
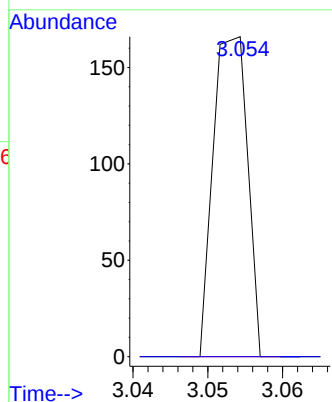
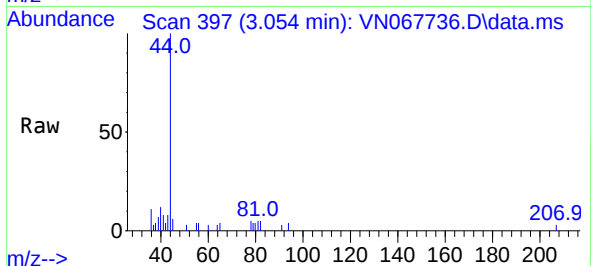




#6
Chloroethane
Concen: Below Cal
RT: 3.054 min Scan# 397
Delta R.T. 0.048 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

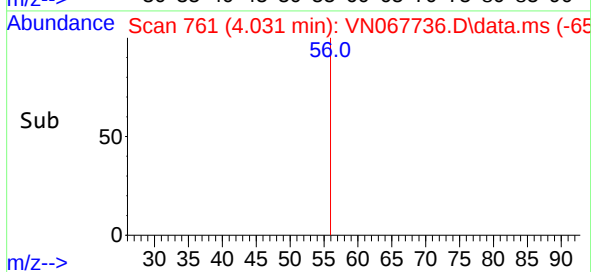
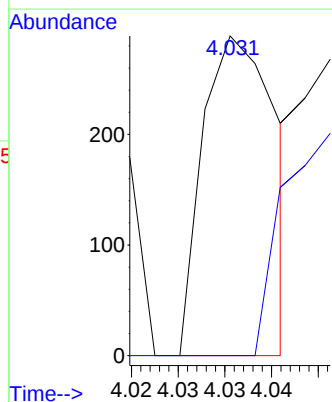
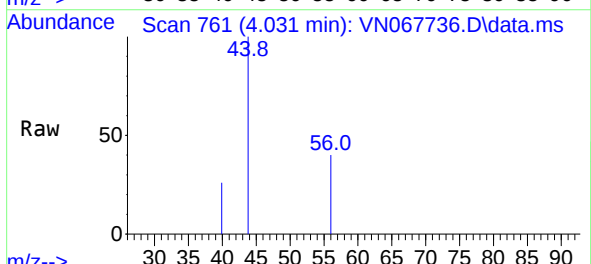
Instrument :
MSVOA_N
ClientSampled :

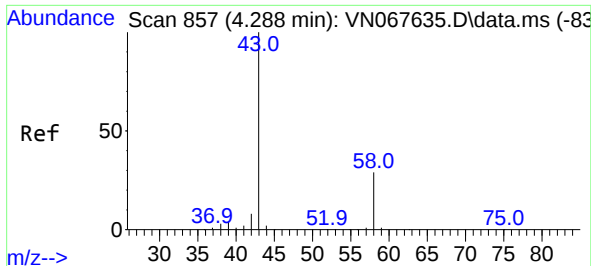
Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.031 min Scan# 761
Delta R.T. -0.008 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 176.1 57.4 86.0#

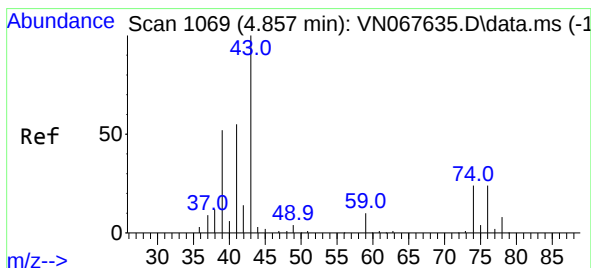
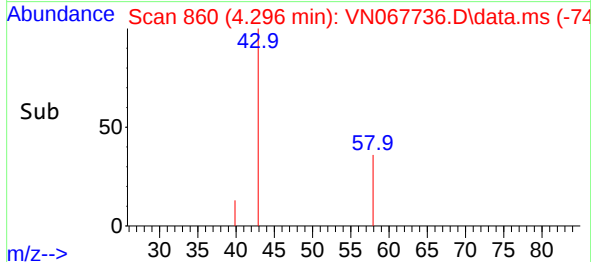
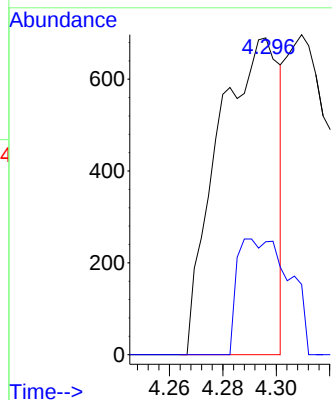
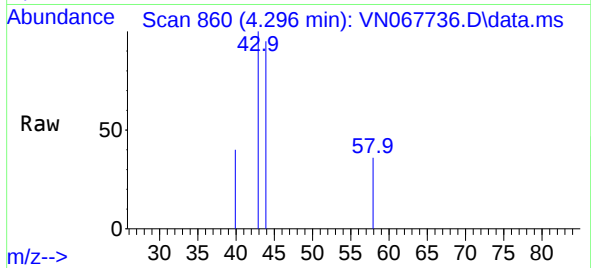




#16
Acetone
Concen: 0.678 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

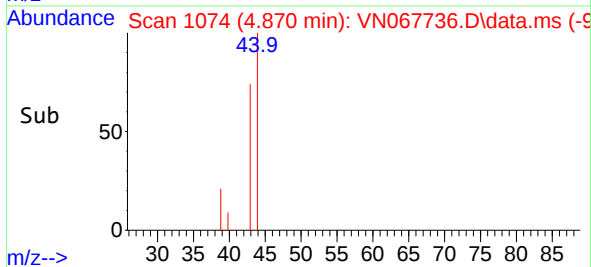
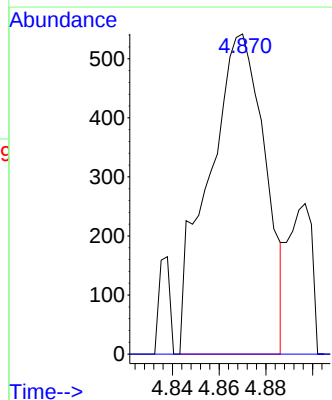
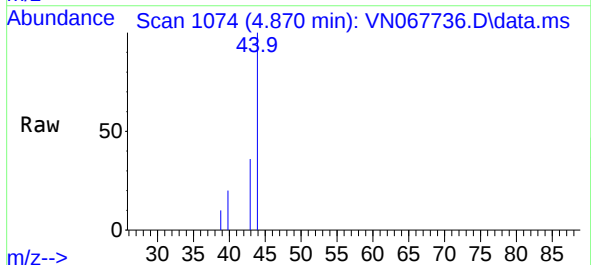
Instrument :
MSVOA_N
ClientSampled :

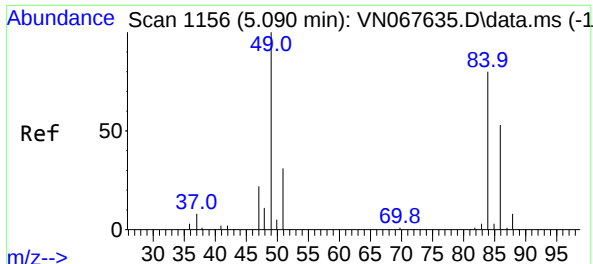
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 35.7 21.2 31.8#



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

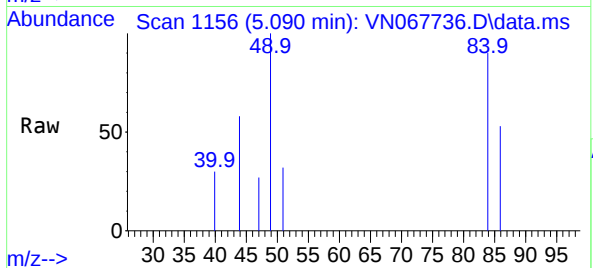
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





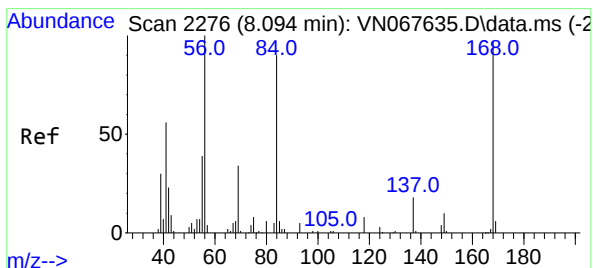
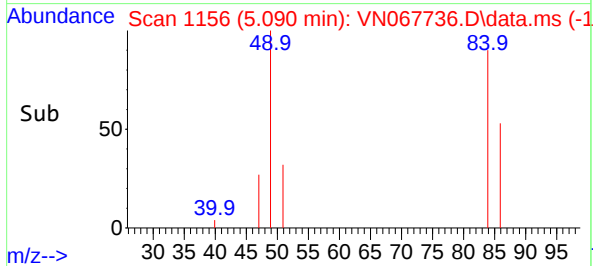
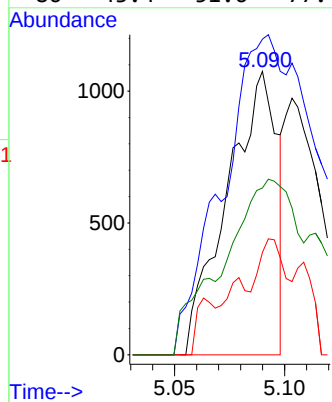
#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 1692

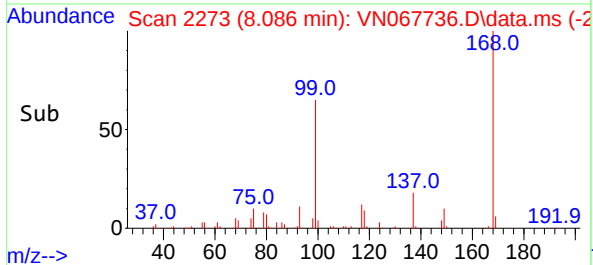
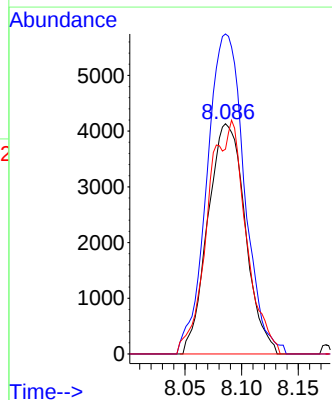
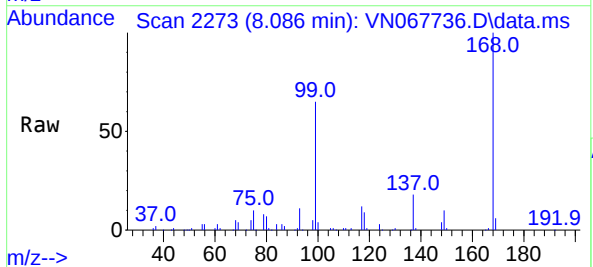
Ion	Ratio	Lower	Upper
84	100		
49	97.0	110.9	166.3#
51	36.1	32.6	49.0
86	43.4	51.6	77.4#

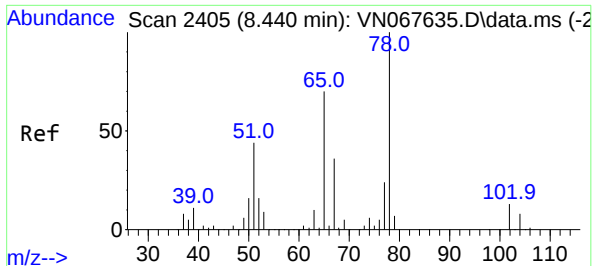


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 56 Resp: 9476

Ion	Ratio	Lower	Upper
56	100		
69	135.1	27.3	40.9#
84	88.9	64.9	97.3

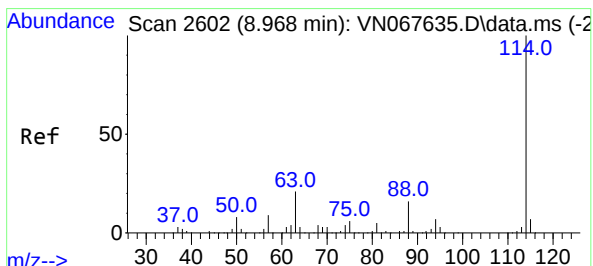
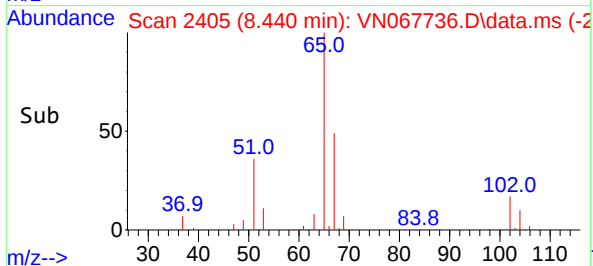
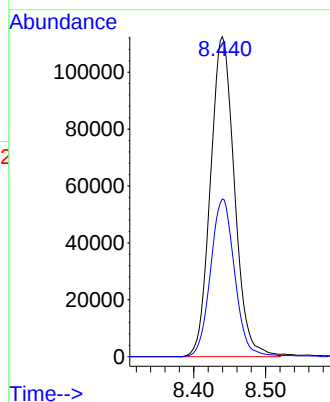
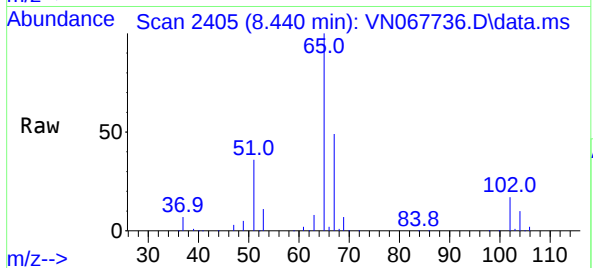




#33
1,2-Dichloroethane-d4
Concen: 50.766 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

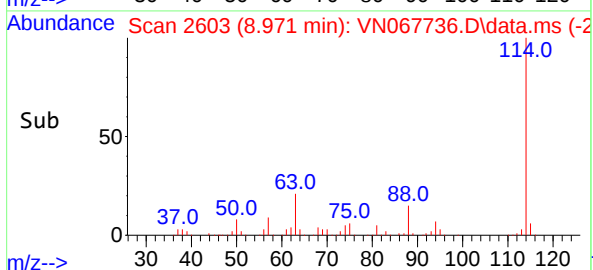
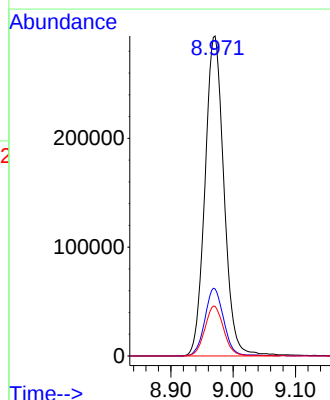
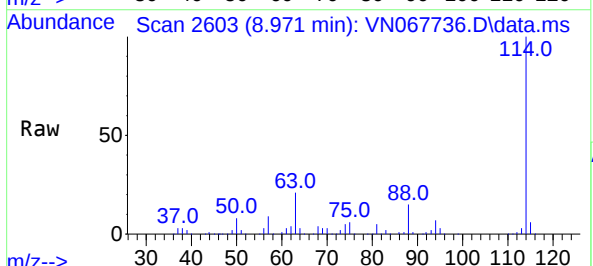
Instrument :
MSVOA_N
ClientSampleId :

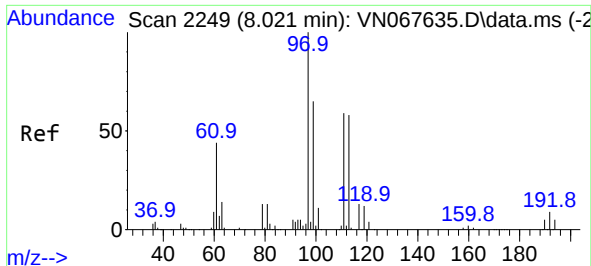
Tgt Ion: 65 Resp: 260930
Ion Ratio Lower Upper
65 100
67 49.4 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 114 Resp: 622886
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.5 0.0 36.6

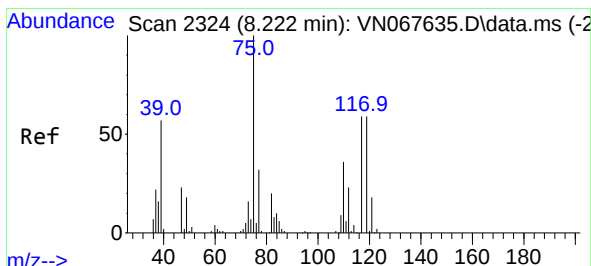
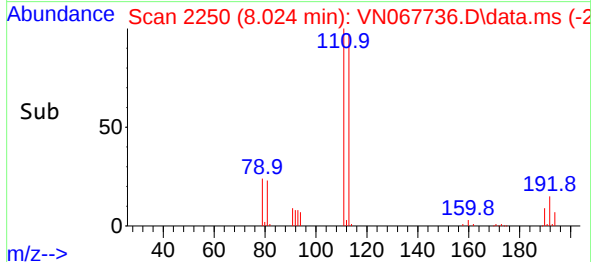
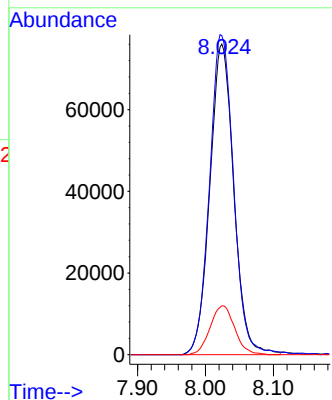
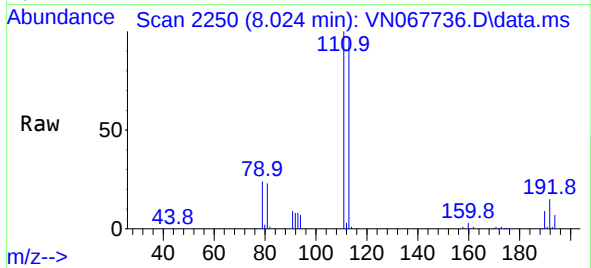




#35
Dibromofluoromethane
Concen: 49.446 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

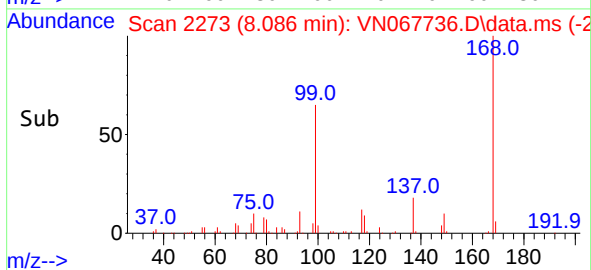
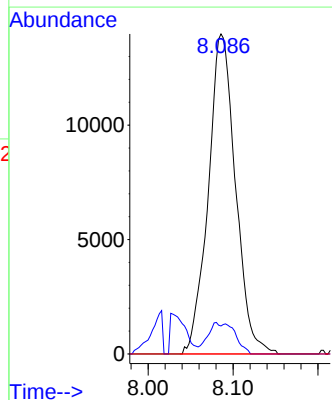
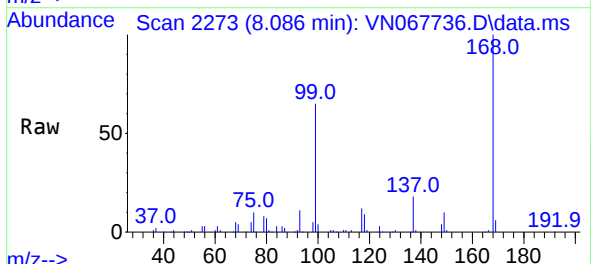
Instrument :
MSVOA_N
ClientSampled :

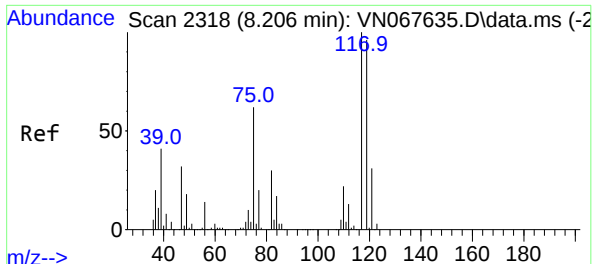
Tgt Ion:113 Resp: 186083
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 16.2 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.392 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

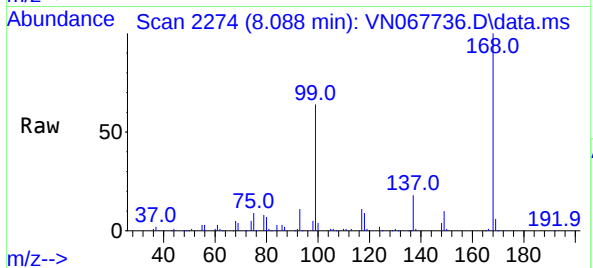
Tgt Ion: 75 Resp: 31198
Ion Ratio Lower Upper
75 100
110 3.3 15.7 47.0#
77 0.0 24.6 37.0#



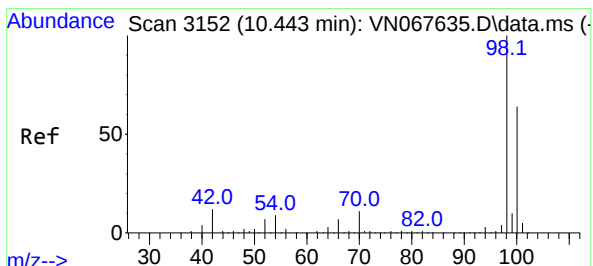
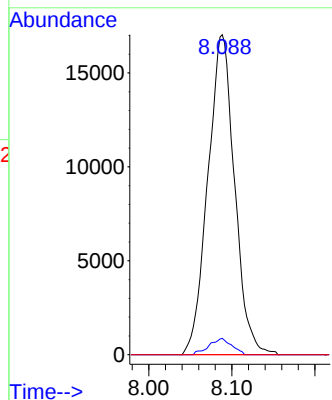
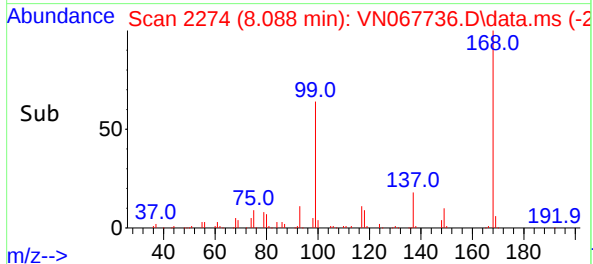


#38
Carbon Tetrachloride
Concen: 6.680 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

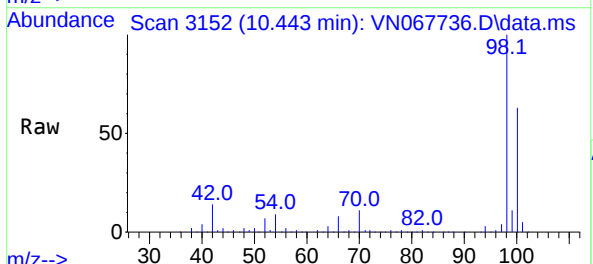
Instrument :
MSVOA_N
ClientSampled :



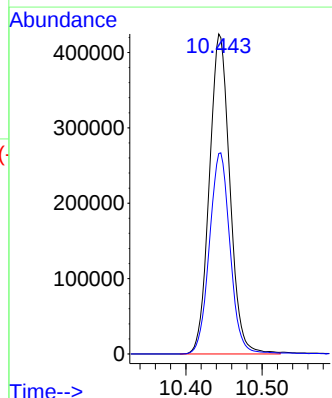
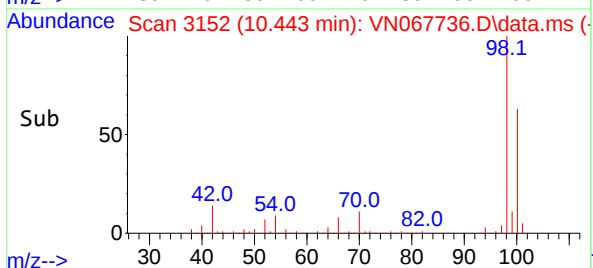
Tgt Ion:117 Resp: 38127
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#

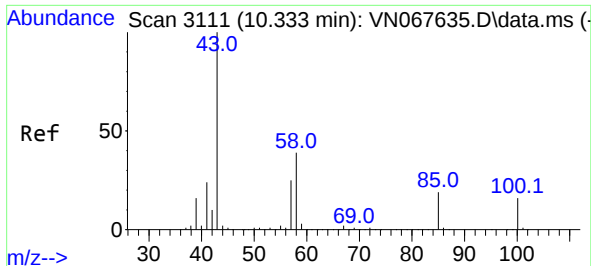


#50
Toluene-d8
Concen: 50.256 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46



Tgt Ion: 98 Resp: 791657
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

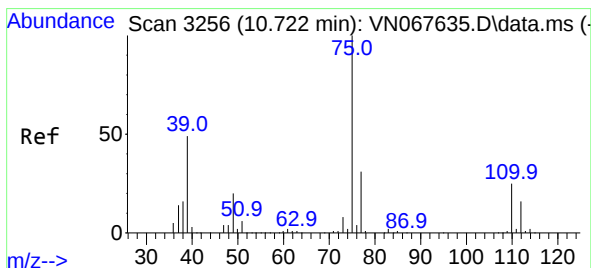
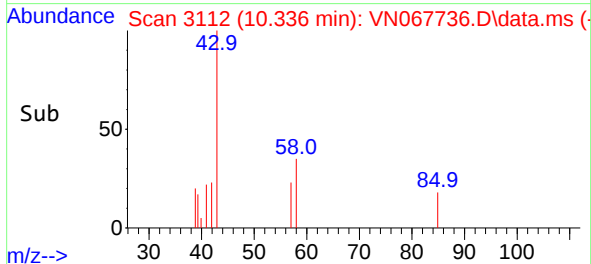
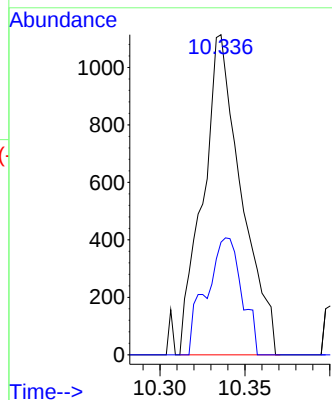
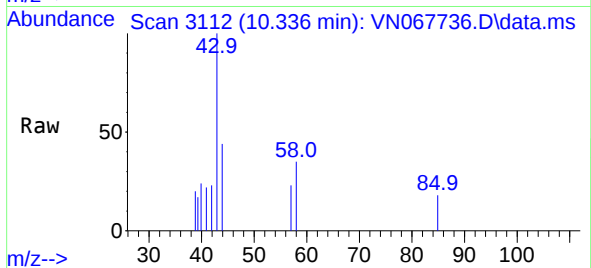




#51
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

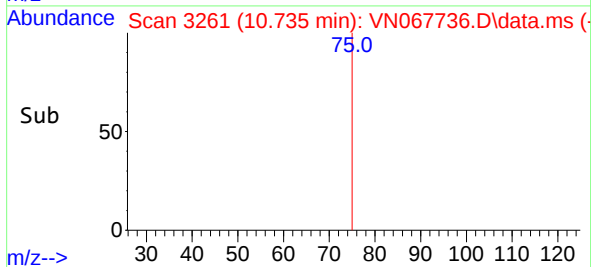
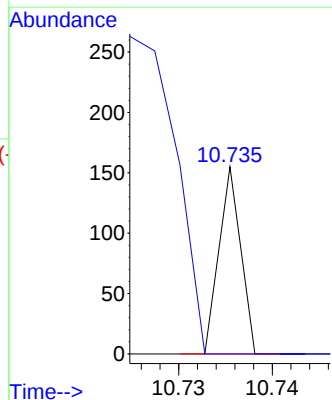
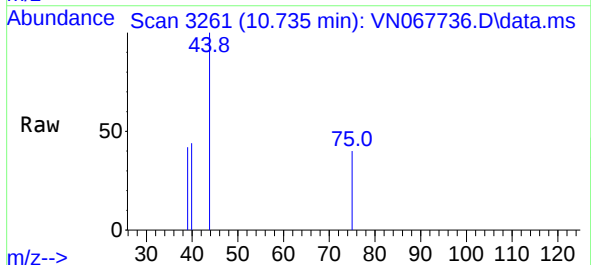
Instrument :
MSVOA_N
ClientSampled :

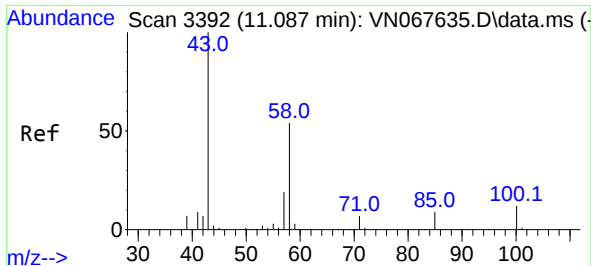
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 33.6 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.735 min Scan# 3261
Delta R.T. 0.013 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

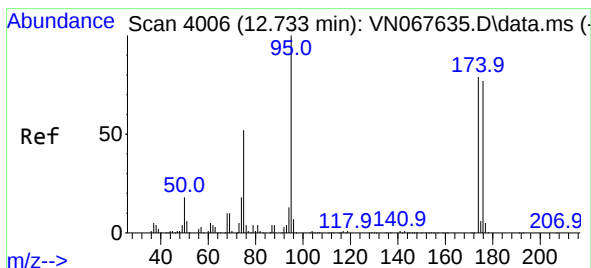
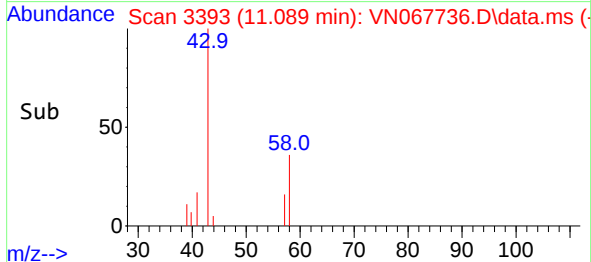
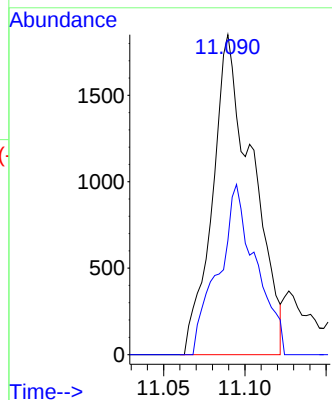
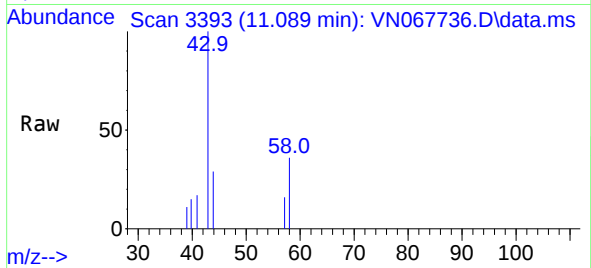




#59
2-Hexanone
Concen: 0.753 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

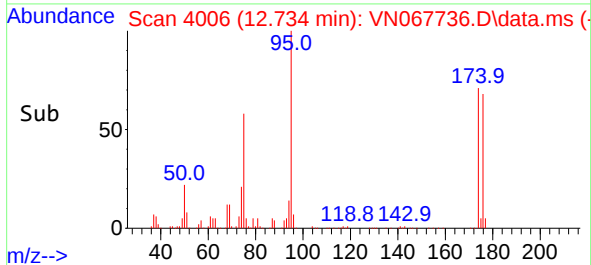
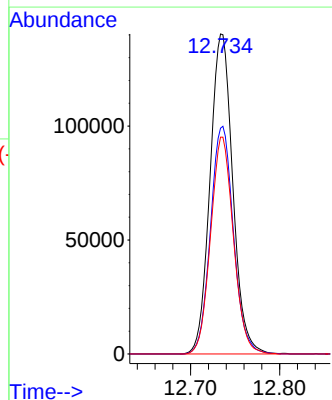
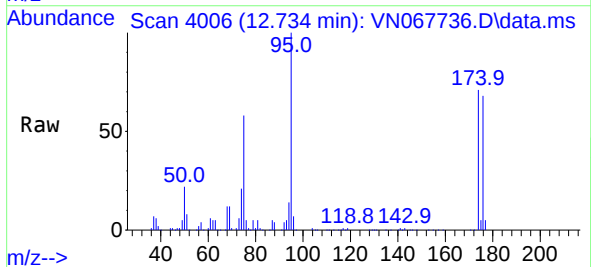
Instrument :
MSVOA_N
ClientSampled :

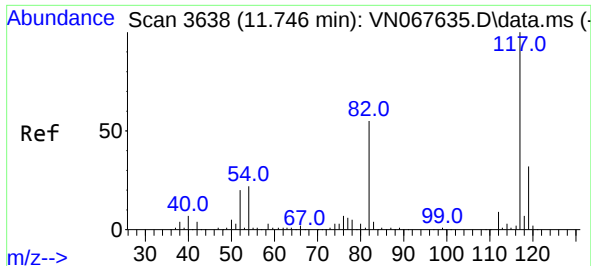
Tgt Ion: 43 Resp: 3183
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 44.725 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 95 Resp: 248875
Ion Ratio Lower Upper
95 100
174 71.9 0.0 122.0
176 67.9 0.0 117.6

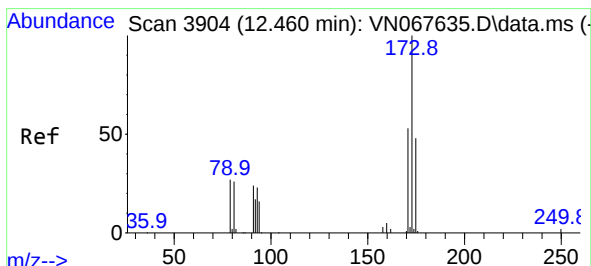
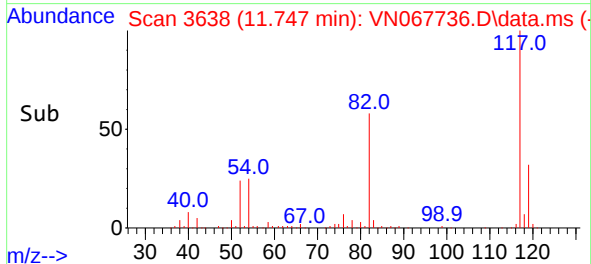
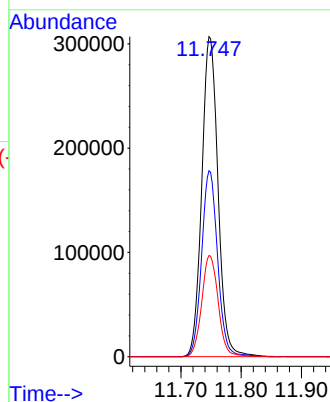
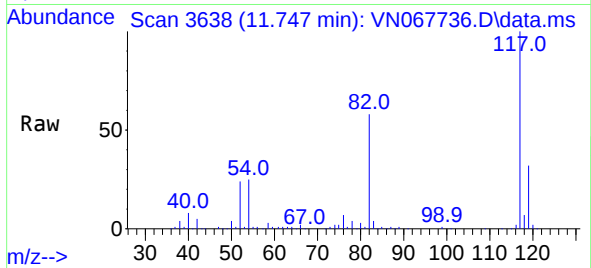




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

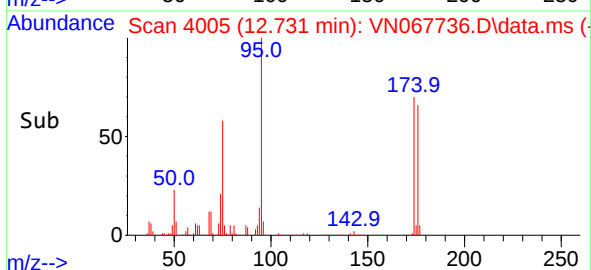
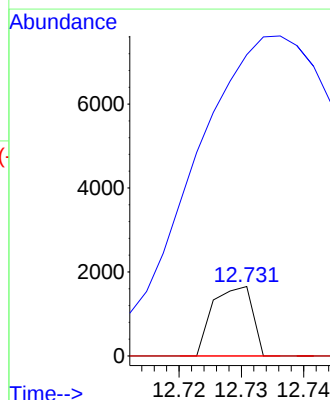
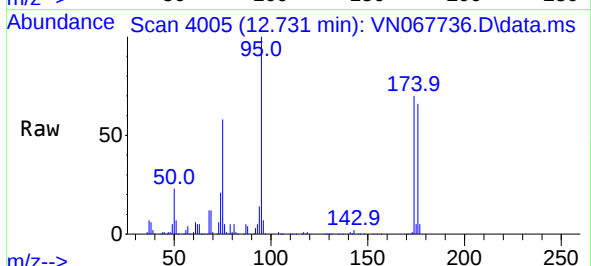
Instrument :
MSVOA_N
ClientSampled :

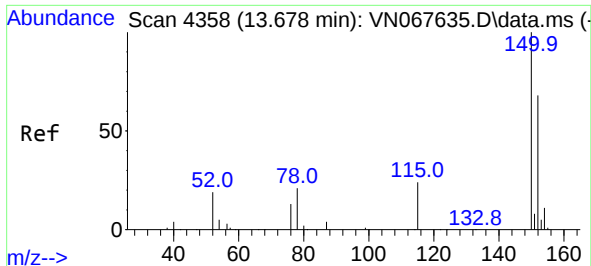
Tgt Ion:117 Resp: 574032
Ion Ratio Lower Upper
117 100
82 58.1 53.1 79.7
119 31.6 25.5 38.3



#71
Bromoform
Concen: 3.361 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion:173 Resp: 729
Ion Ratio Lower Upper
173 100
175 1751.6 23.9 71.8#
254 0.0 0.0 0.0

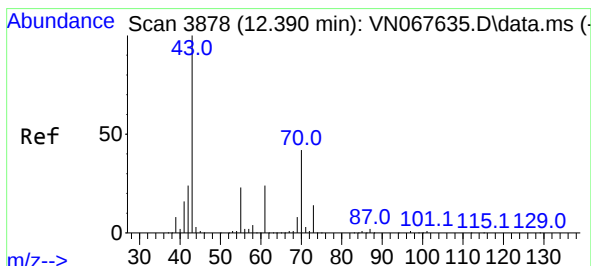
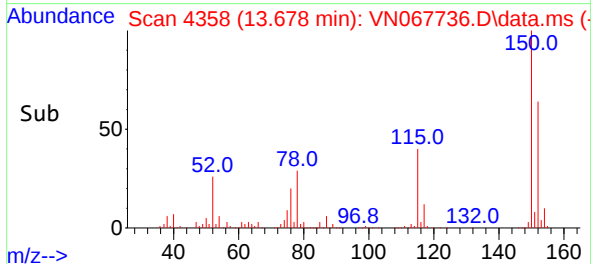
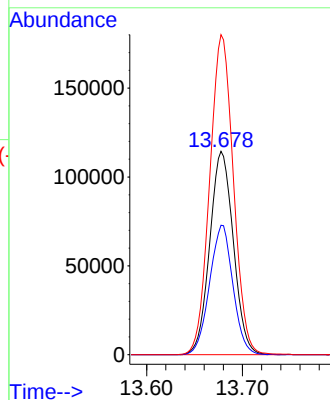
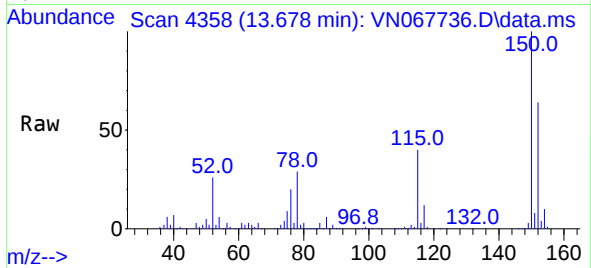




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

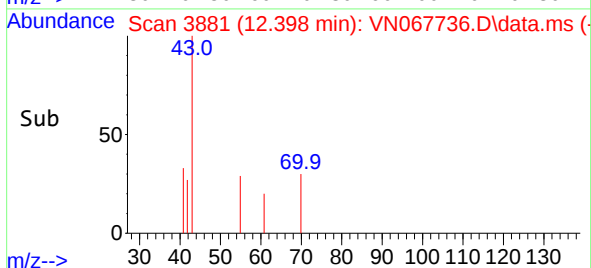
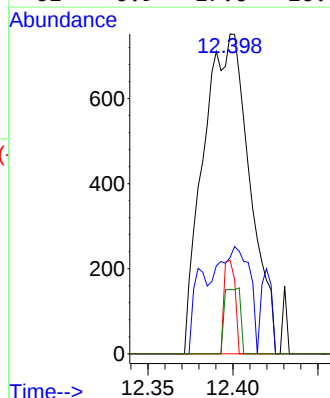
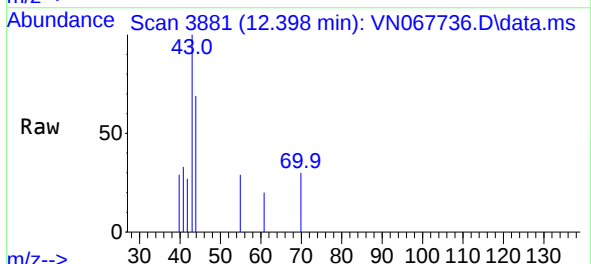
Instrument :
MSVOA_N
ClientSampleId :

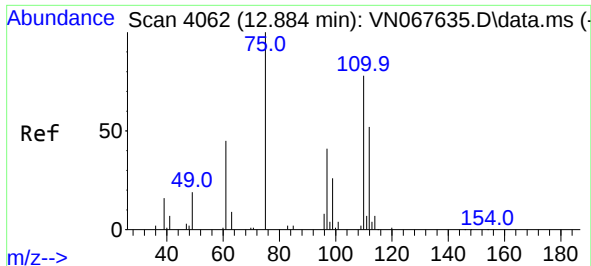
Tgt Ion:152 Resp: 196268
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 157.5 0.0 351.8



#74
N-ethyl acetate
Concen: 0.248 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
70 22.1 29.4 44.2#
55 6.9 17.0 25.4#
61 6.9 17.6 26.4#

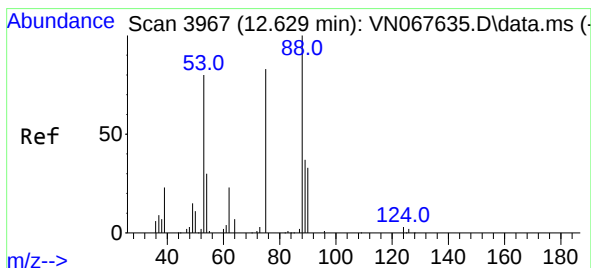
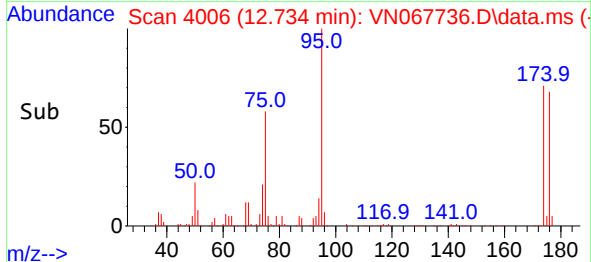
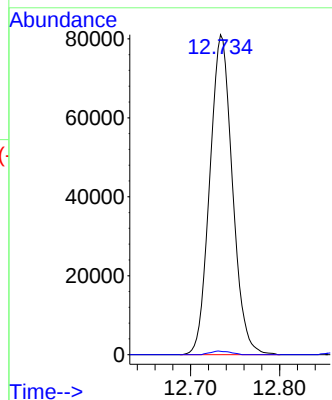
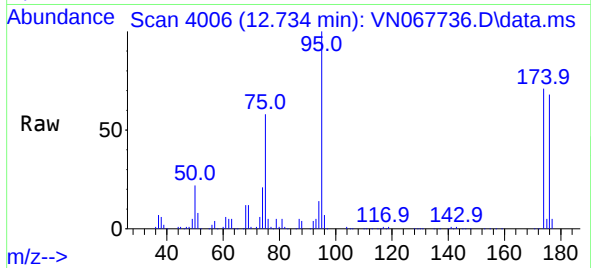




#76
1,2,3-Trichloropropane
Concen: 35.733 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

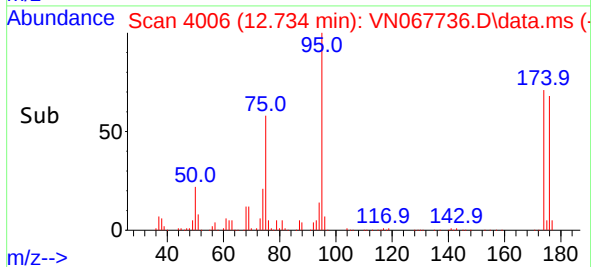
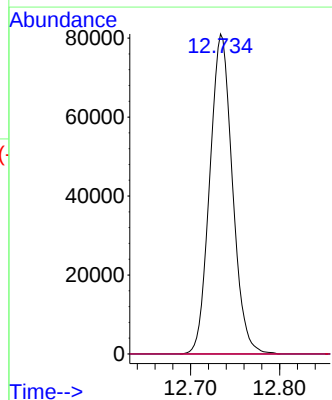
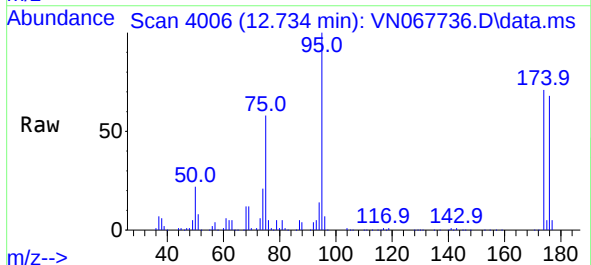
Instrument :
MSVOA_N
ClientSampled :

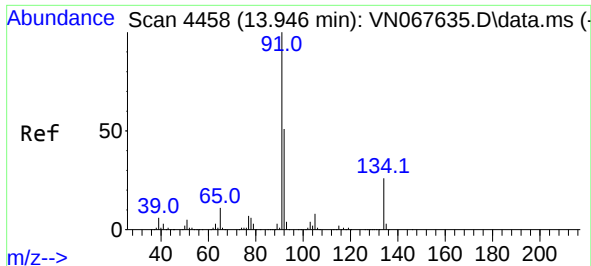
Tgt Ion: 75 Resp: 143222
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.206 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

Tgt Ion: 75 Resp: 143222
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

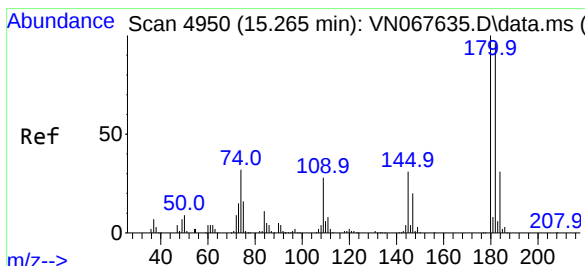
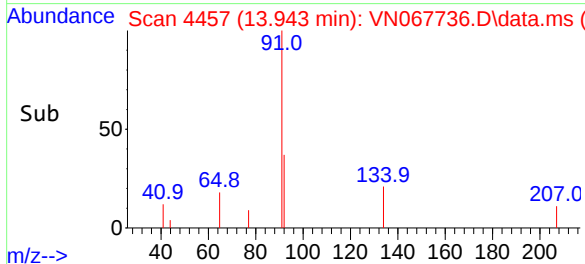
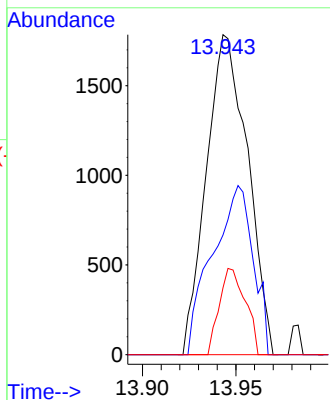
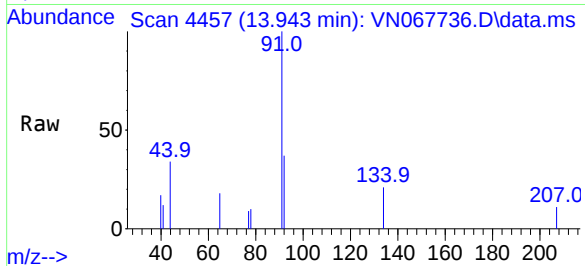




#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

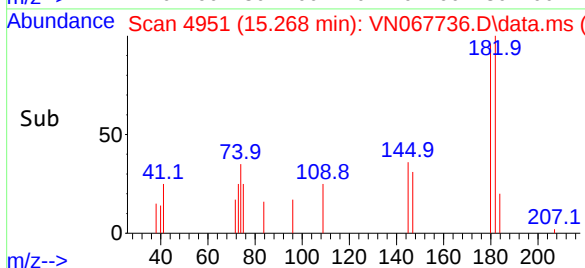
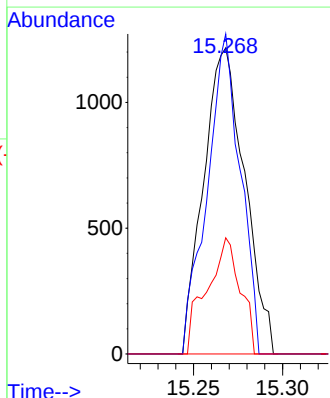
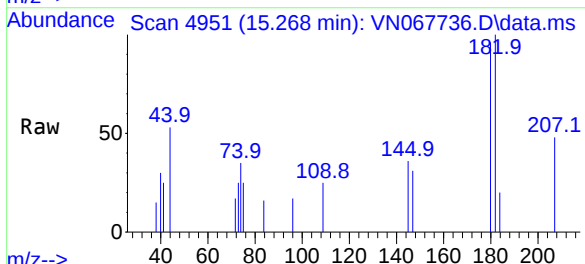
Instrument :
MSVOA_N
ClientSampleId :

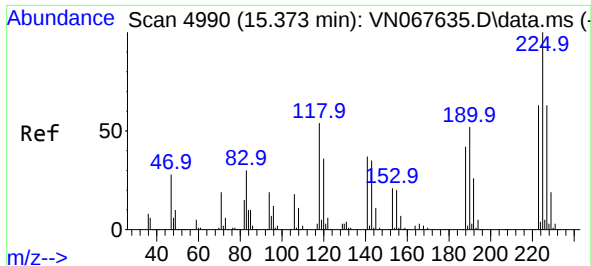
Tgt Ion:	91	Resp:	2739
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.7	77.1
134	17.0	11.2	33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.240 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

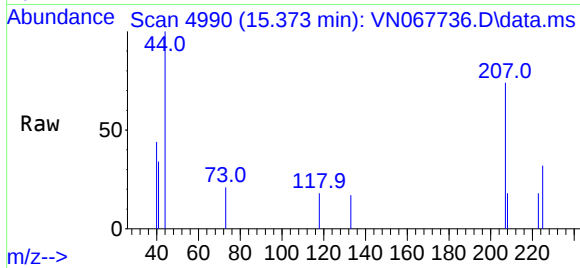
Tgt Ion:	180	Resp:	1954
Ion	Ratio	Lower	Upper
180	100		
182	84.3	47.5	142.5
145	31.1	17.2	51.6



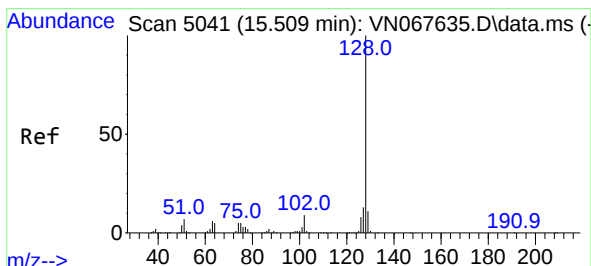
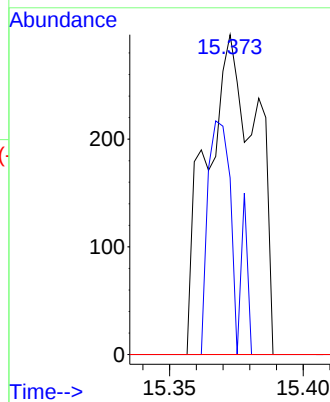
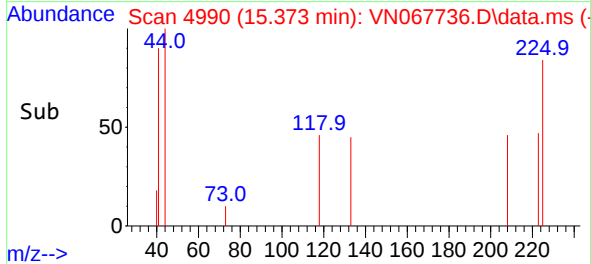


#94
Hexachlorobutadiene
Concen: 0.292 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. -0.000 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46

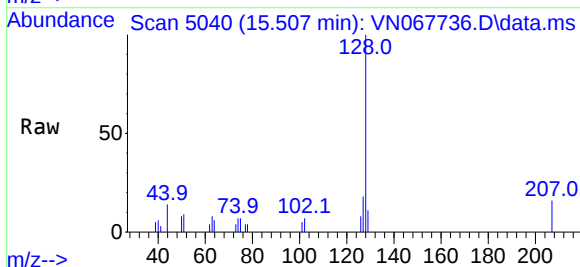
Instrument :
MSVOA_N
ClientSampled :



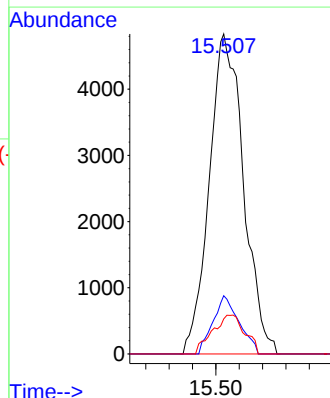
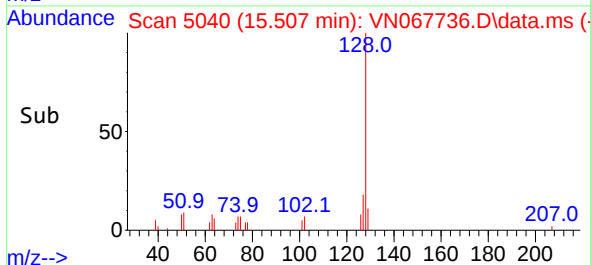
Tgt Ion:225 Resp: 385
Ion Ratio Lower Upper
225 100
223 38.2 31.4 94.0
227 0.0 31.2 93.6#

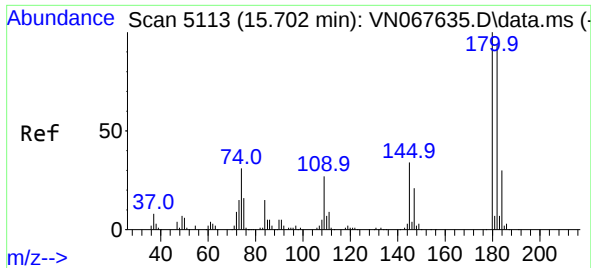


#95
Naphthalene
Concen: 3.973 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067736.D
Acq: 14 Jul 2021 11:46



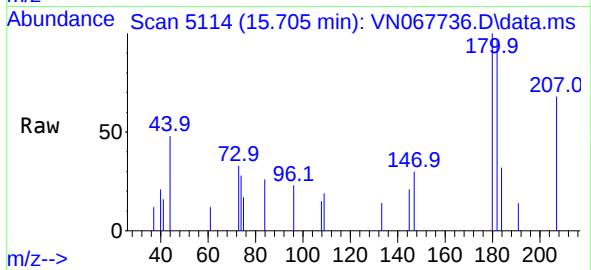
Tgt Ion:128 Resp: 9826
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 11.4 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.266 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067736.D
 Acq: 14 Jul 2021 11:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2097
 Ion Ratio Lower Upper
 180 100
 182 108.2 47.8 143.3
 145 17.5 18.2 54.6#

