

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067793.D
 Acq On : 19 Jul 2021 15:13
 Operator : JC/MD
 Sample : M2968-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 18:57:34 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)

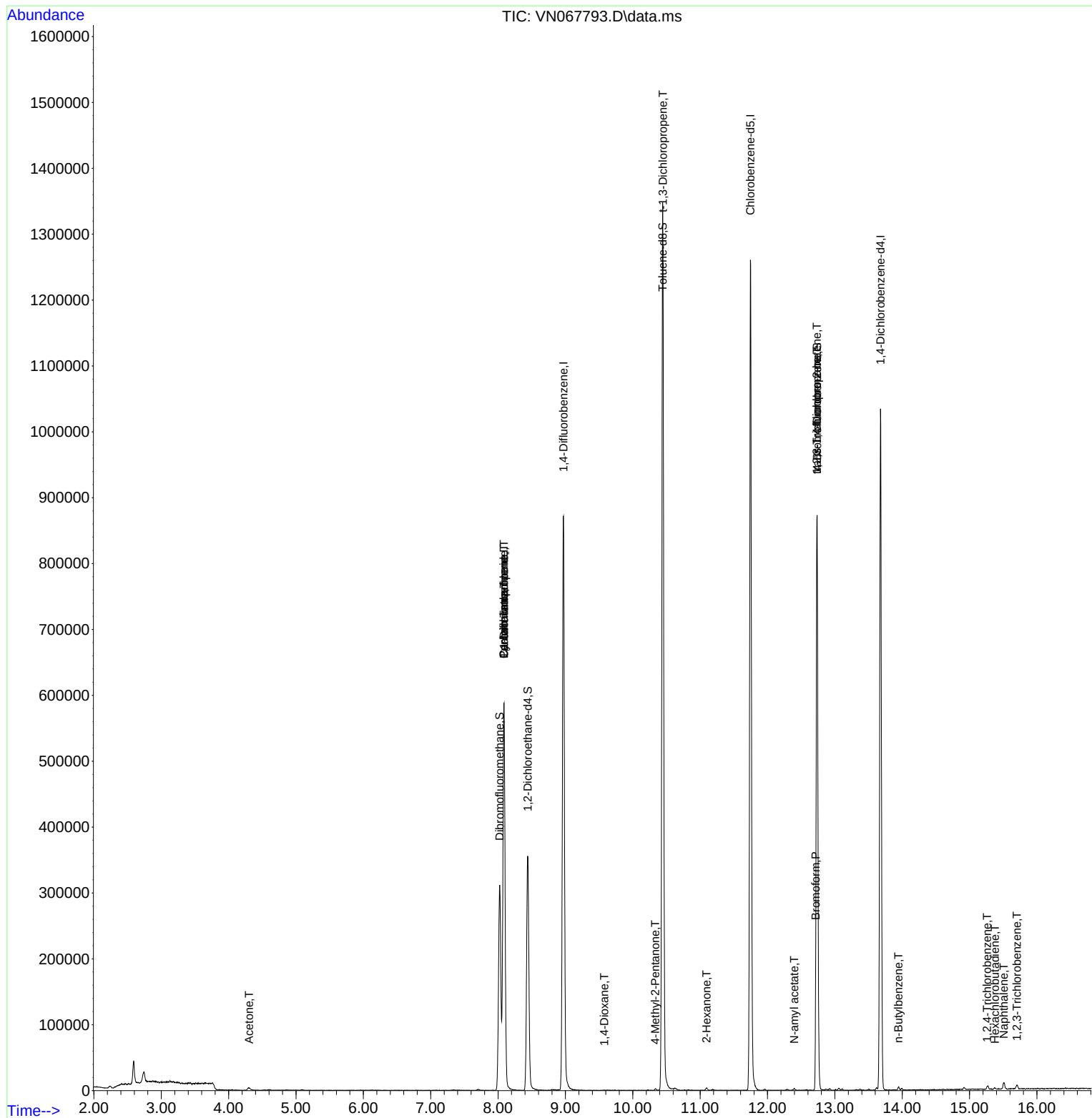
Internal Standards						
1) Pentafluorobenzene	8.088	168	418603	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	772142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	724110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	264999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	311668	49.265	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.520%		
35) Dibromofluoromethane	8.024	113	228570	48.996	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.000%		
50) Toluene-d8	10.443	98	952011	48.754	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.736	95	310625	45.031	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.060%		
Target Compounds						
						Qvalue
5) Bromomethane	2.837	94	79	Below Cal	#	4
6) Chloroethane	2.950	64	55	Below Cal	#	44
13) Acrolein	4.044	56	323	Below Cal	#	14
16) Acetone	4.304	43	7712	3.874	ug/l	99
20) Methylene Chloride	5.085	84	426	Below Cal	#	79
31) Cyclohexane	8.088	56	11520	1.299	ug/l	# 35
36) 1,1-Dichloropropene	8.088	75	38754	5.403	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	46875	6.626	ug/l	# 16
49) 1,4-Dioxane	9.577	88	57	32.646	ug/l	# 3
51) 4-Methyl-2-Pentanone	10.336	43	1711	0.228	ug/l	93
53) t-1,3-Dichloropropene	10.448	75	319	1.779	ug/l	# 5
59) 2-Hexanone	11.095	43	3271	0.624	ug/l	96
71) Bromoform	12.715	173	30	3.182	ug/l	# 29
74) N-amyl acetate	12.398	43	1858	0.240	ug/l	# 80
76) 1,2,3-Trichloropropane	12.733	75	176741	32.659	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	176741	105.295	ug/l	# 6
89) n-Butylbenzene	13.943	91	3225	0.228	ug/l	88
93) 1,2,4-Trichlorobenzene	15.260	180	944	2.877	ug/l	# 15
94) Hexachlorobutadiene	15.375	225	579	0.325	ug/l	# 75
95) Naphthalene	15.507	128	9925	3.731	ug/l	# 96
96) 1,2,3-Trichlorobenzene	15.702	180	2252	3.137	ug/l	91

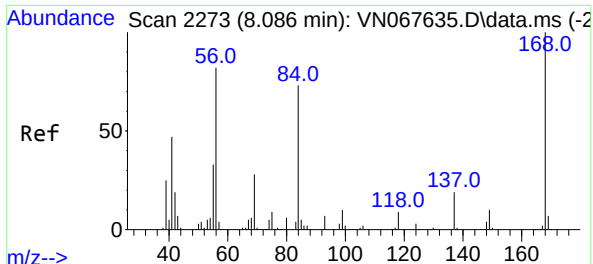
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
Data File : VN067793.D
Acq On : 19 Jul 2021 15:13
Operator : JC/MD
Sample : M2968-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 19 18:57:34 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

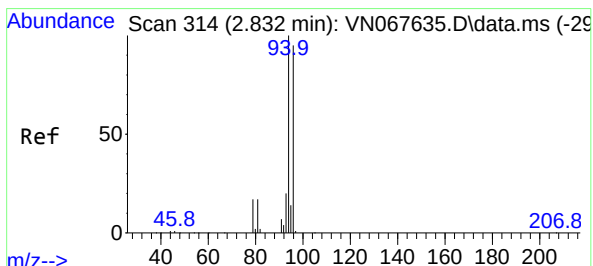
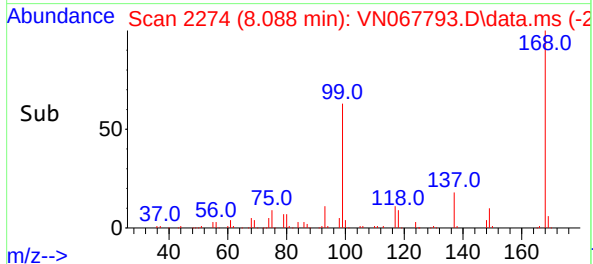
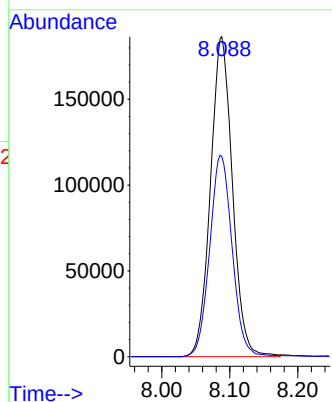
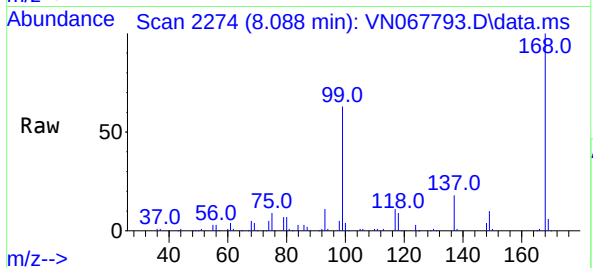




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

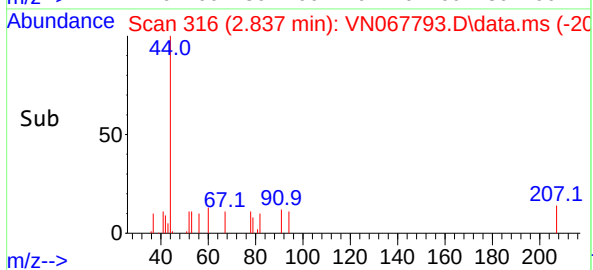
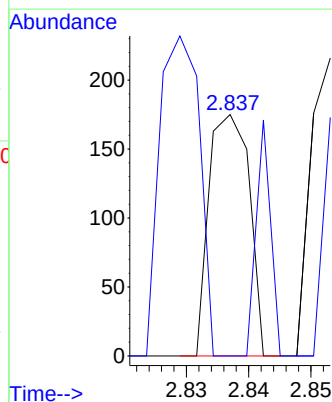
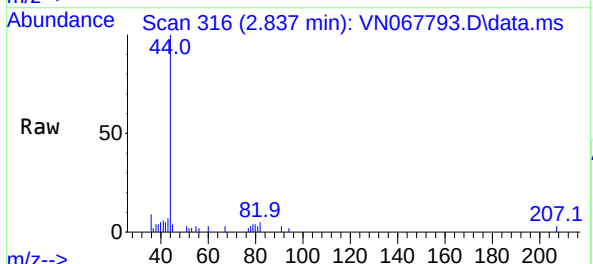
Instrument :
MSVOA_N
ClientSampled :

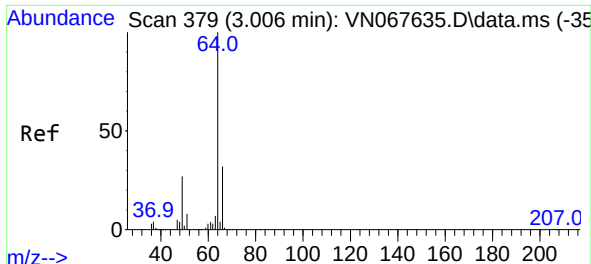
Tgt Ion:168 Resp: 418603
Ion Ratio Lower Upper
168 100
99 62.5 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.005 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

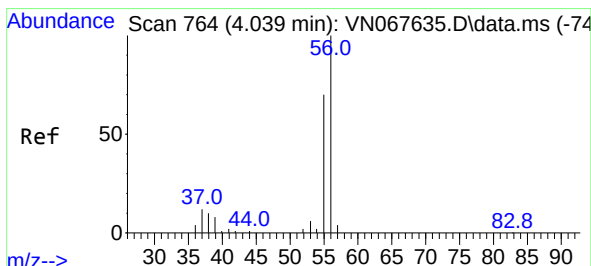
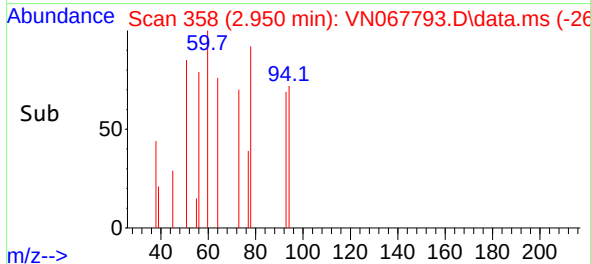
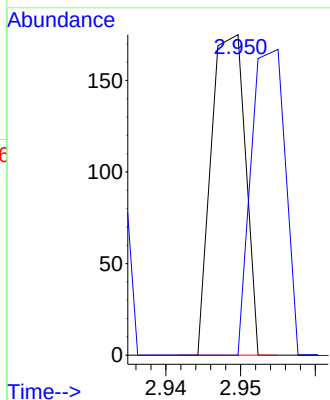
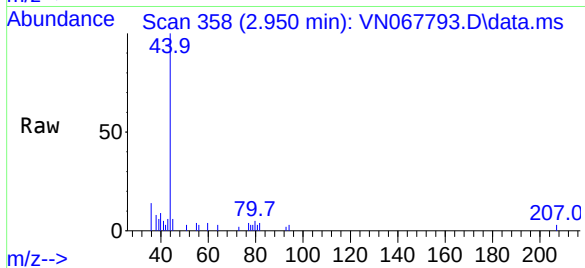




#6
Chloroethane
Concen: Below Cal
RT: 2.950 min Scan# 358
Delta R.T. -0.056 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

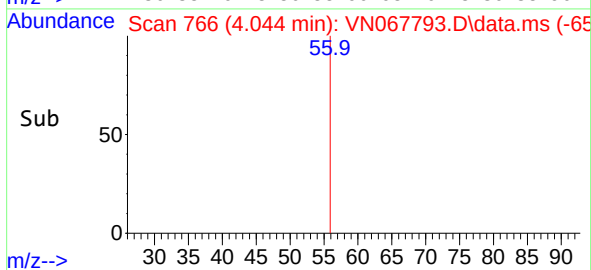
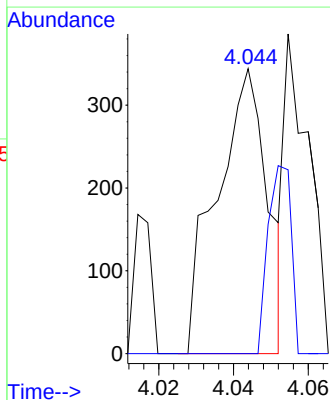
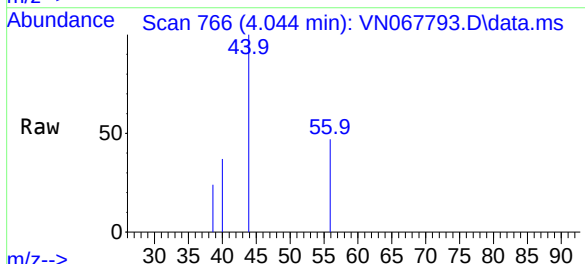
Instrument :
MSVOA_N
ClientSampled :

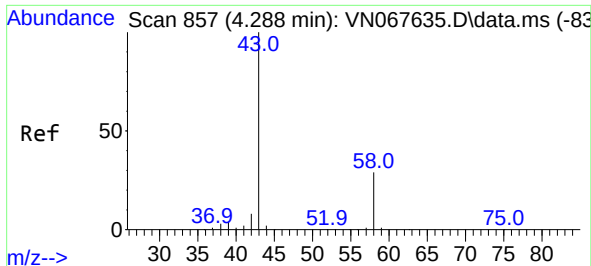
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 56 Resp: 323
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

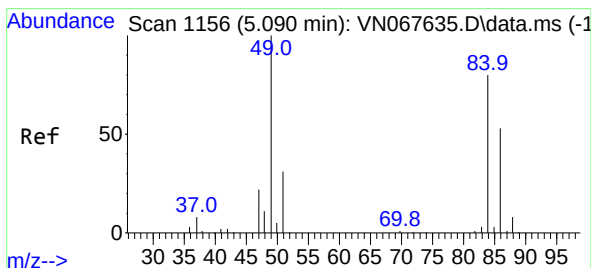
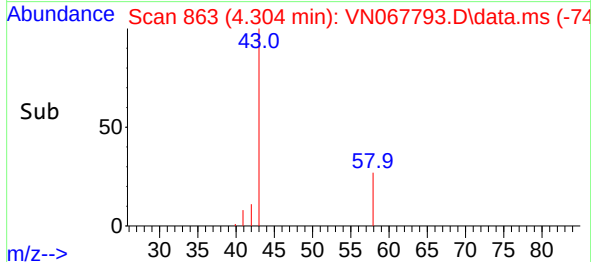
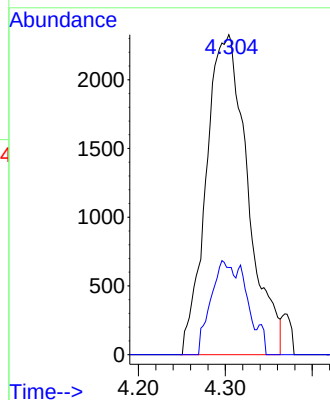
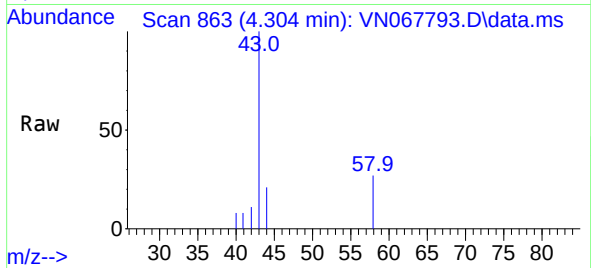




#16
Acetone
Concen: 3.874 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

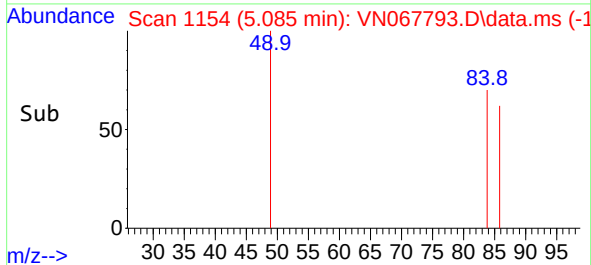
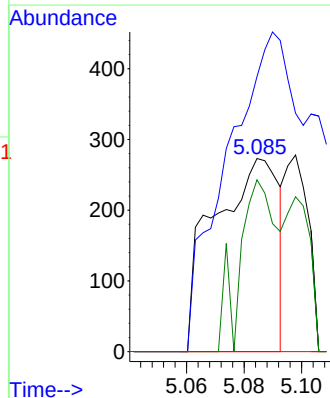
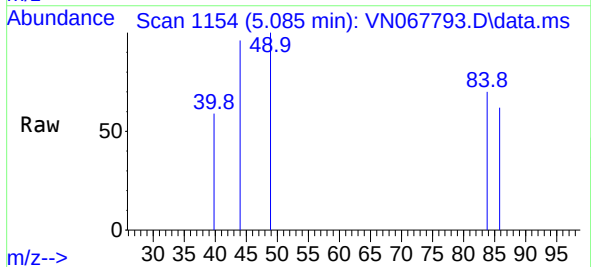
Instrument :
MSVOA_N
ClientSampled :

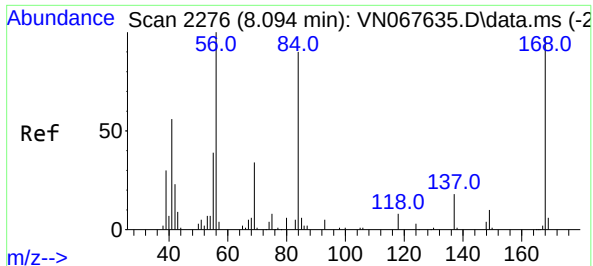
Tgt Ion: 43 Resp: 7712
Ion Ratio Lower Upper
43 100
58 27.2 21.2 31.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.085 min Scan# 1154
Delta R.T. -0.005 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 84 Resp: 426
Ion Ratio Lower Upper
84 100
49 142.5 110.9 166.3
51 0.0 32.6 49.0#
86 89.0 51.6 77.4#

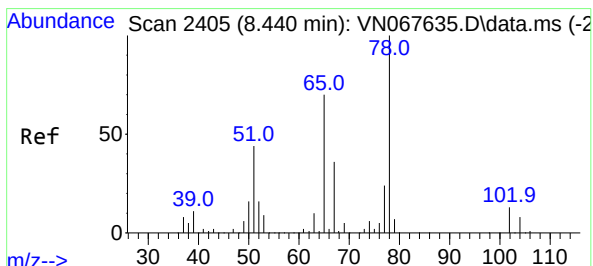
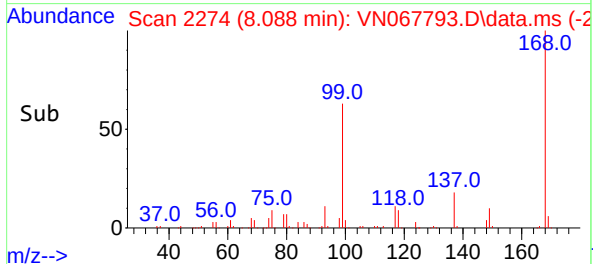
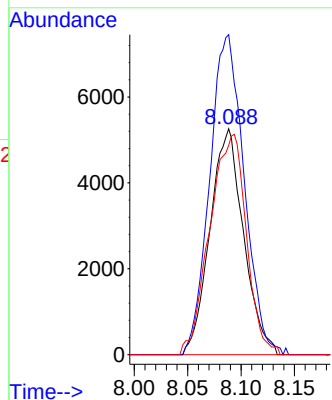
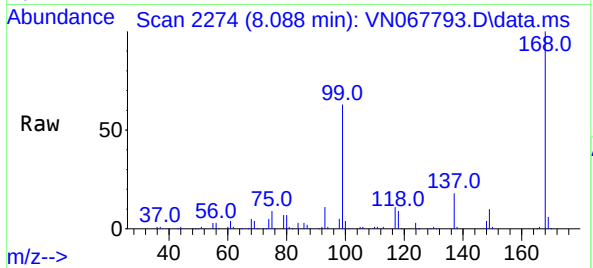




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

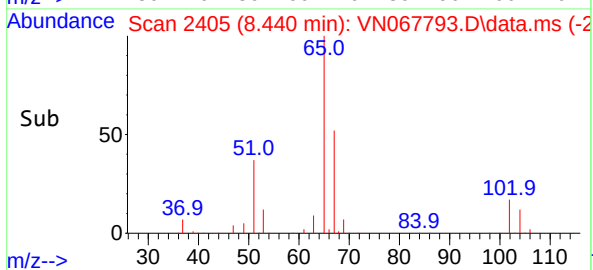
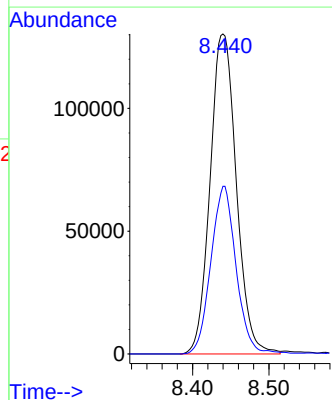
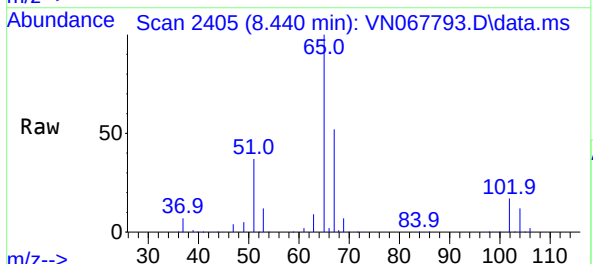
Instrument :
MSVOA_N
ClientSampled :

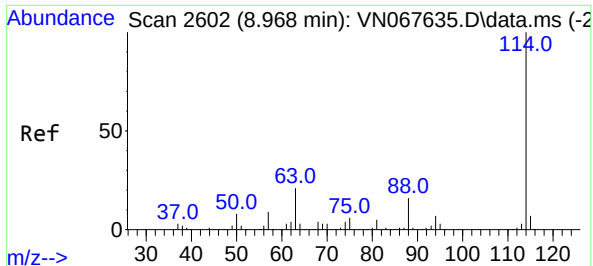
Tgt Ion: 56 Resp: 11520
Ion Ratio Lower Upper
56 100
69 141.6 27.3 40.9#
84 92.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.265 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 65 Resp: 311668
Ion Ratio Lower Upper
65 100
67 50.4 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: VN067793.D

Acq: 19 Jul 2021 15:13

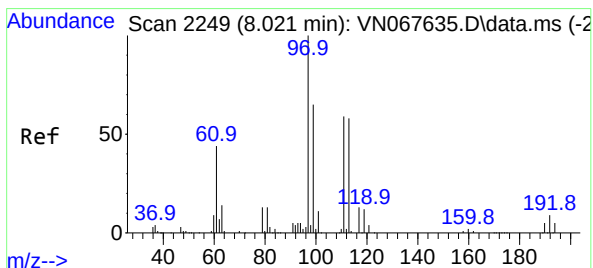
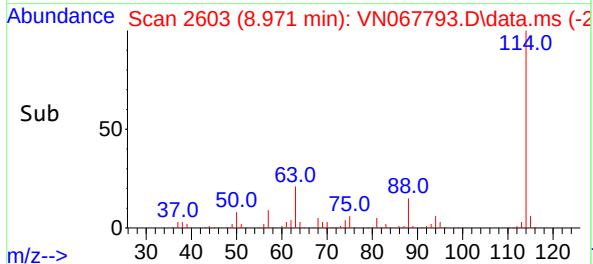
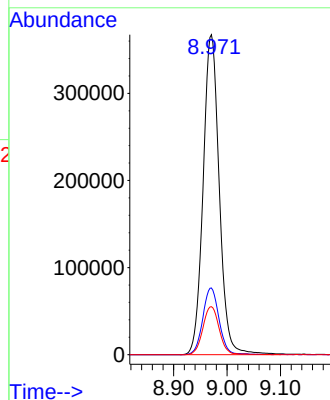
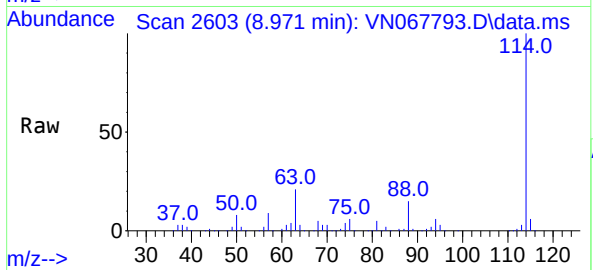
Tgt Ion:114 Resp: 772142

Ion Ratio Lower Upper

114 100

63 20.8 0.0 49.0

88 15.0 0.0 36.6



#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067793.D

Acq: 19 Jul 2021 15:13

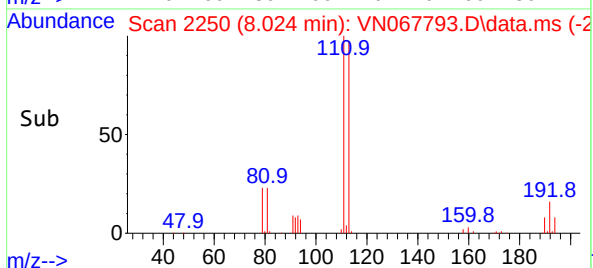
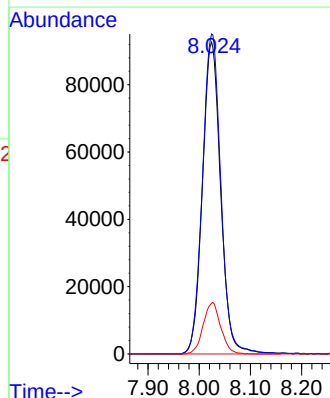
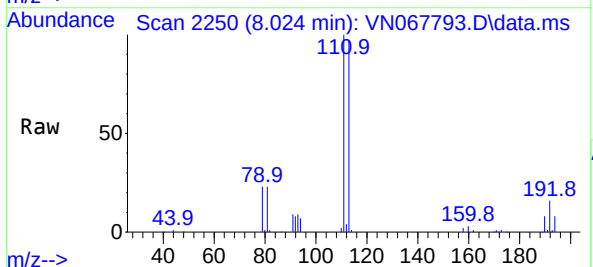
Tgt Ion:113 Resp: 228570

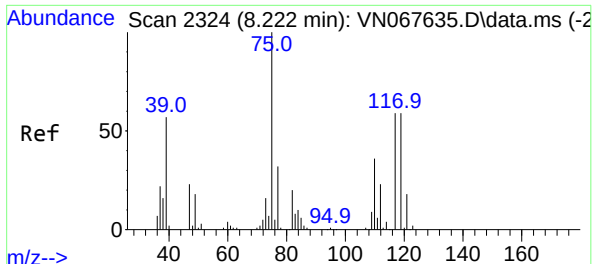
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.8

192 15.9 13.4 20.0

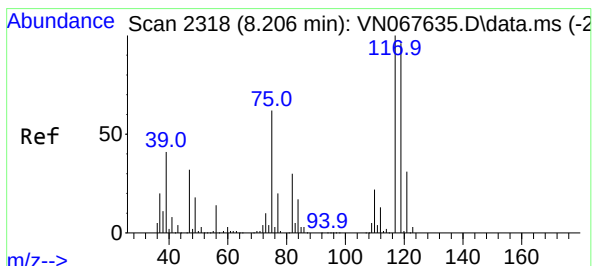
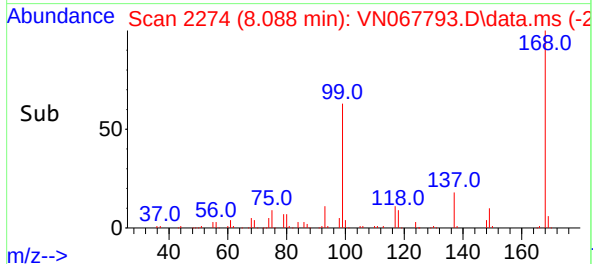
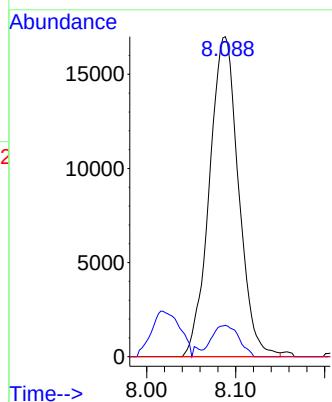
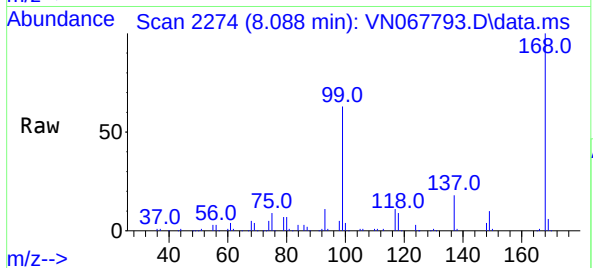




#36
1,1-Dichloropropene
Concen: 5.403 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

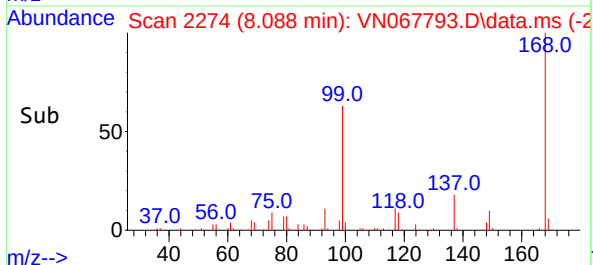
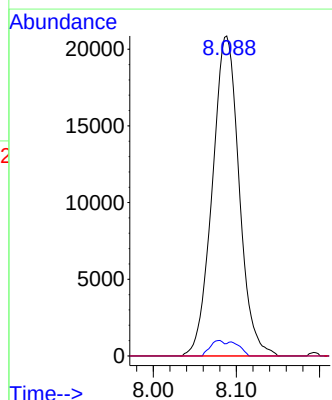
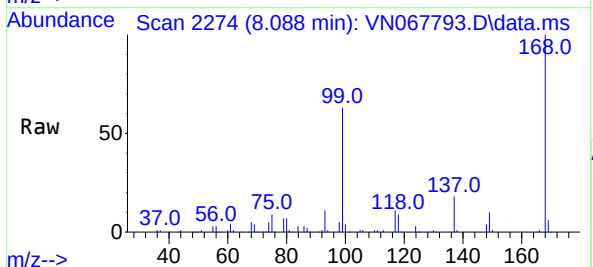
Instrument :
MSVOA_N
ClientSampled :

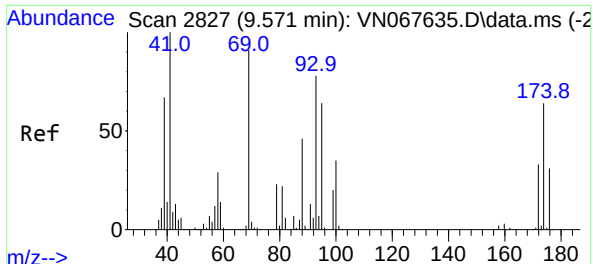
Tgt Ion: 75 Resp: 38754
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.626 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion:117 Resp: 46875
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.2#
121 0.0 23.5 35.3#





#49

1,4-Dioxane

Concen: 32.646 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.006 min

Lab File: VN067793.D

Acq: 19 Jul 2021 15:13

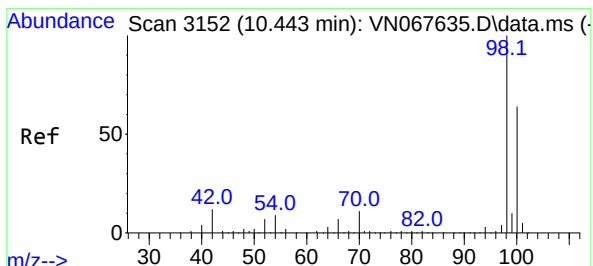
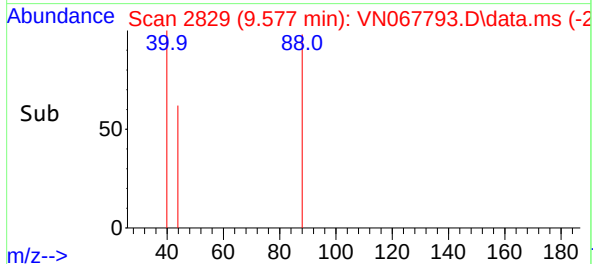
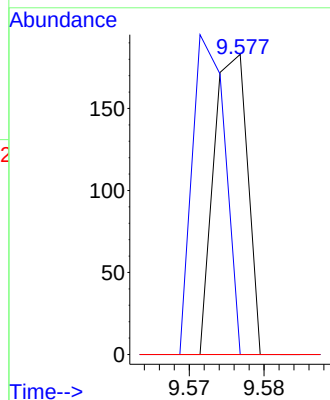
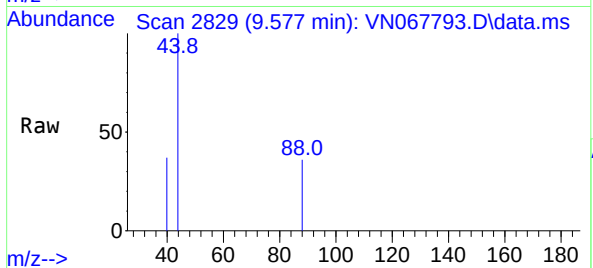
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 103.5 28.8 43.2#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 48.754 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067793.D

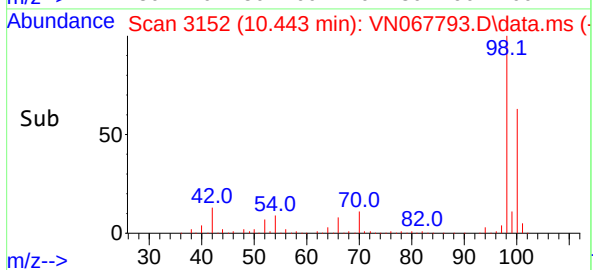
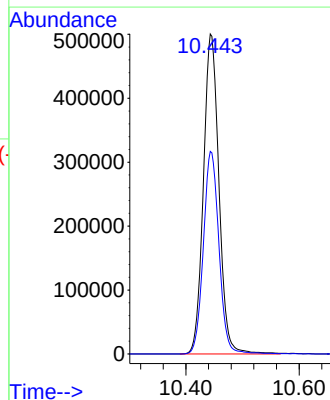
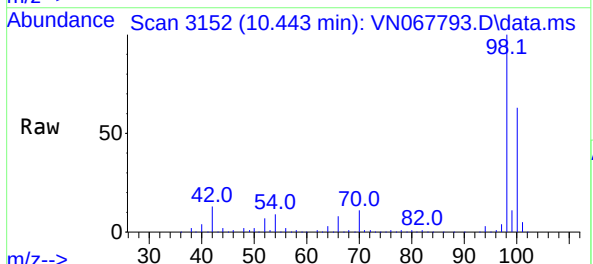
Acq: 19 Jul 2021 15:13

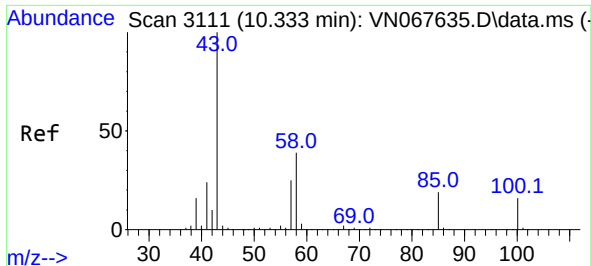
Tgt Ion: 98 Resp: 952011

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5

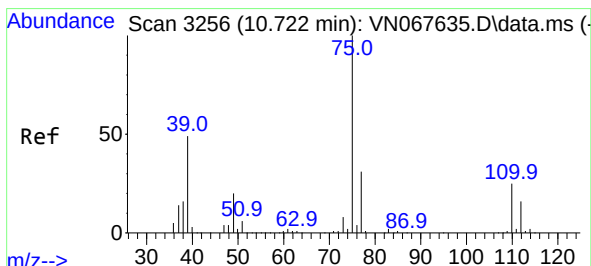
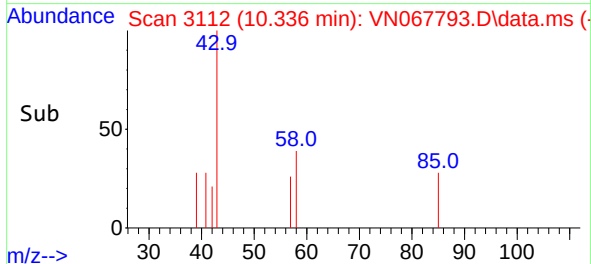
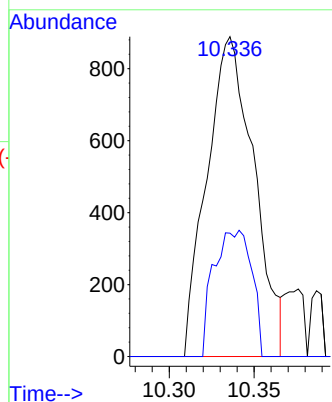
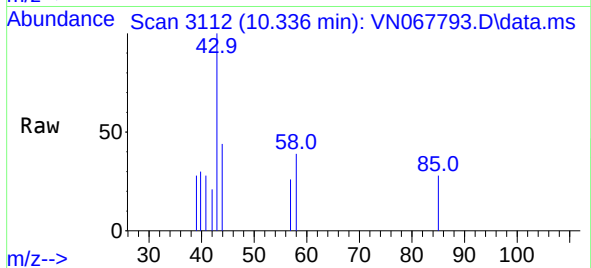




#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

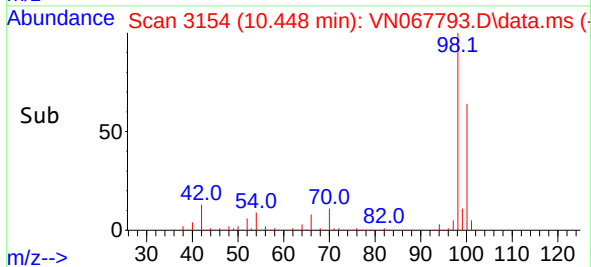
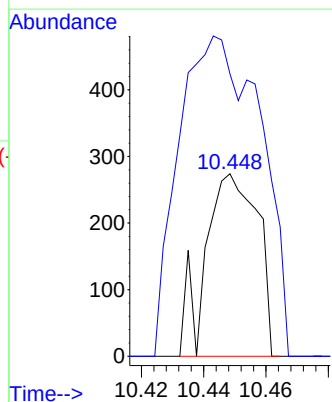
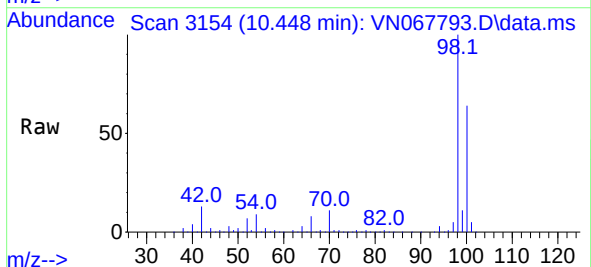
Instrument :
MSVOA_N
ClientSampled :

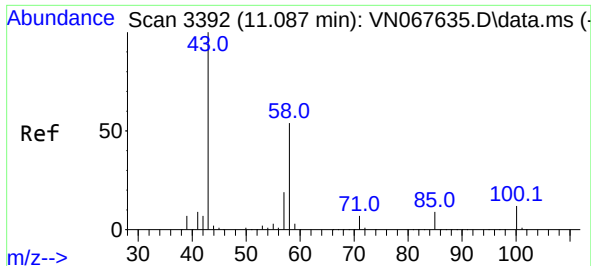
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
58 31.7 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.779 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 75 Resp: 319
Ion Ratio Lower Upper
75 100
77 83.9 25.1 37.7#

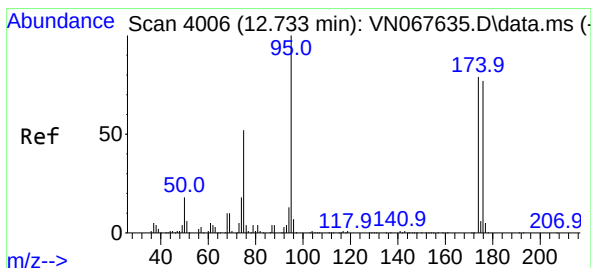
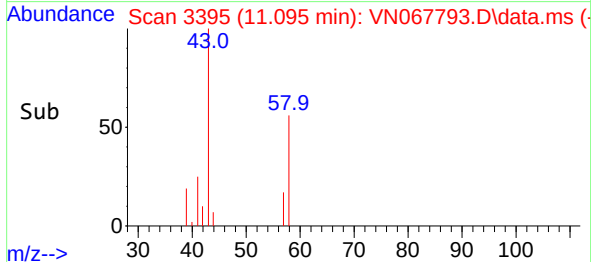
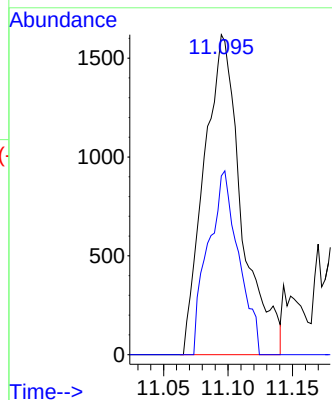
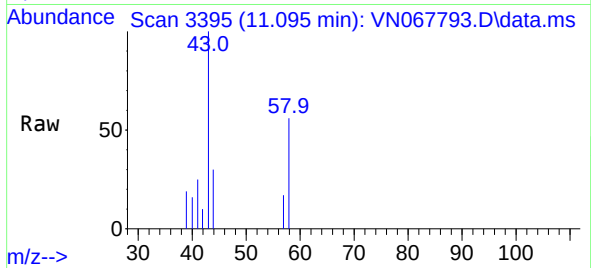




#59
2-Hexanone
Concen: 0.624 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

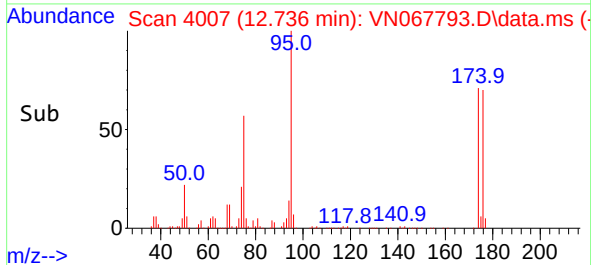
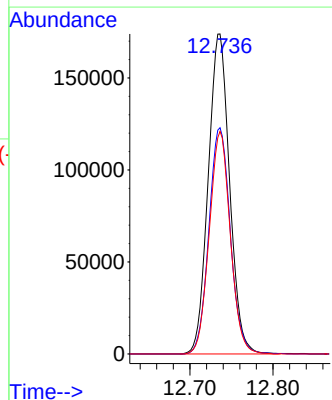
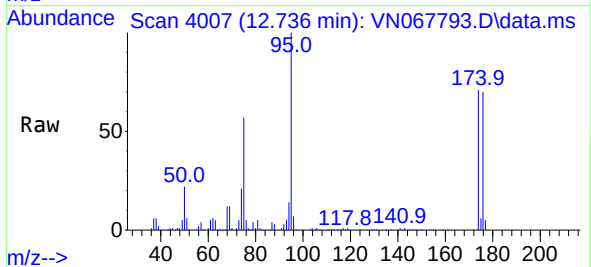
Instrument :
MSVOA_N
ClientSampled :

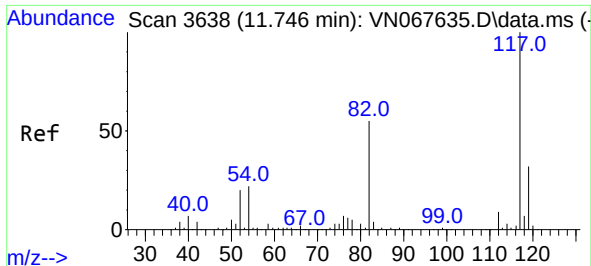
Tgt Ion: 43 Resp: 3271
Ion Ratio Lower Upper
43 100
58 46.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 45.031 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 95 Resp: 310625
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 68.4 0.0 117.6

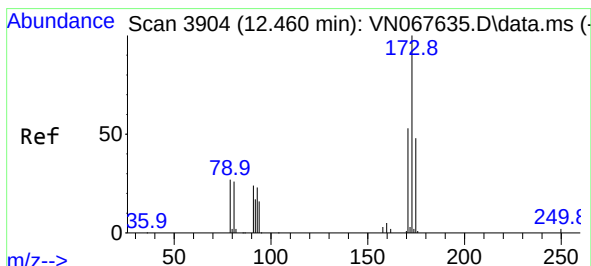
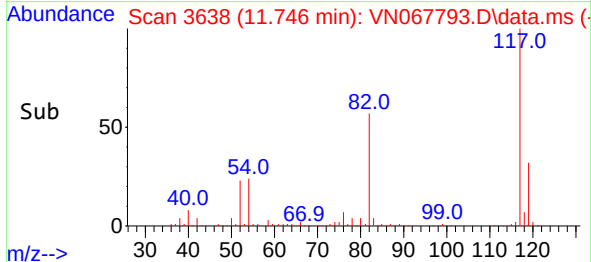
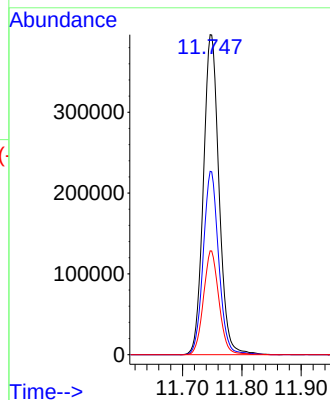
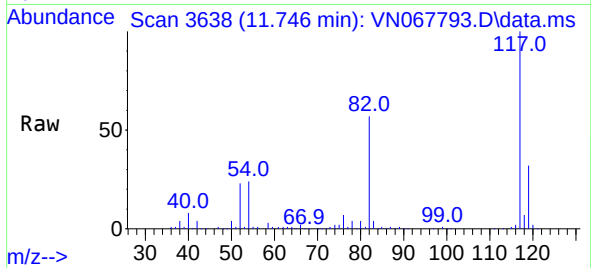




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

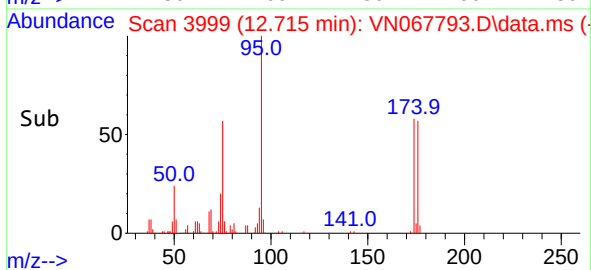
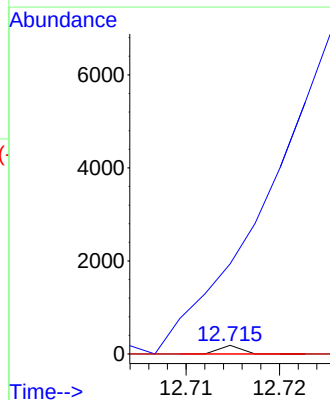
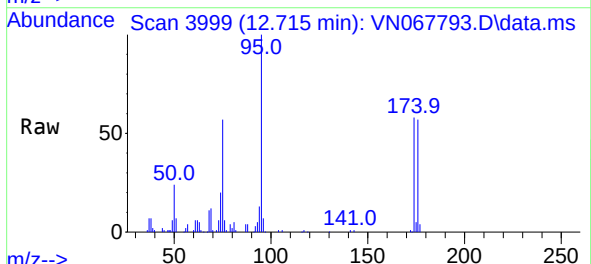
Instrument :
MSVOA_N
ClientSampleId :

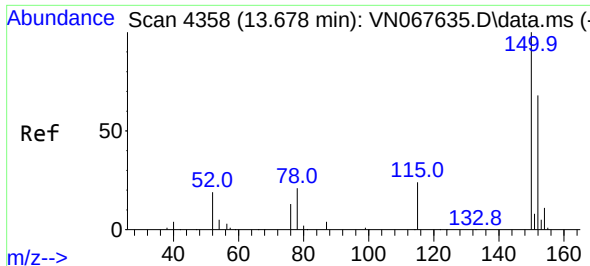
Tgt Ion:117 Resp: 724110
Ion Ratio Lower Upper
117 100
82 57.3 53.1 79.7
119 32.4 25.5 38.3



#71
Bromoform
Concen: 3.182 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion:173 Resp: 30
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

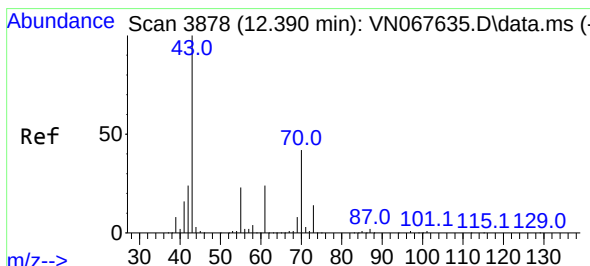
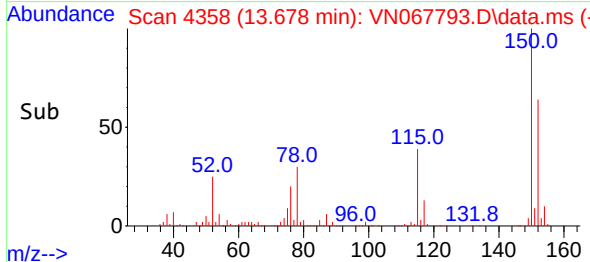
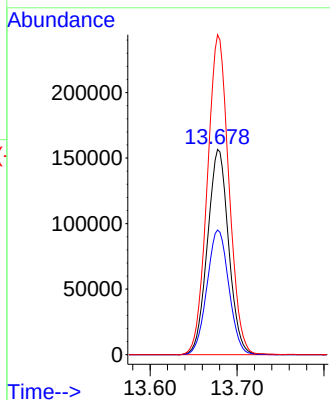
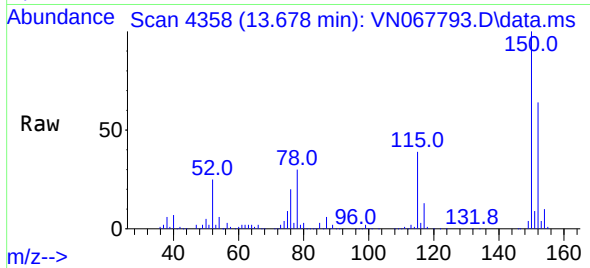




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

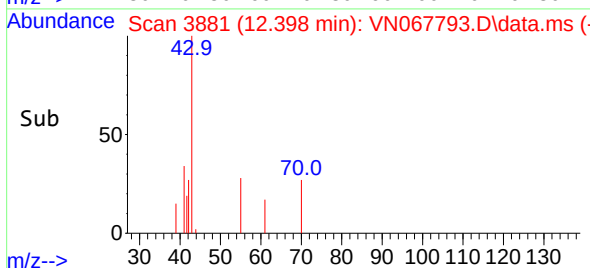
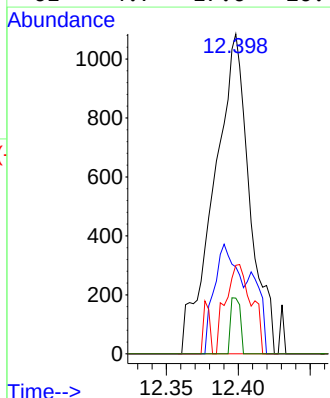
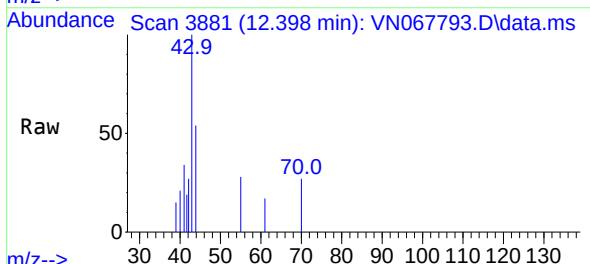
Instrument :
MSVOA_N
ClientSampled :

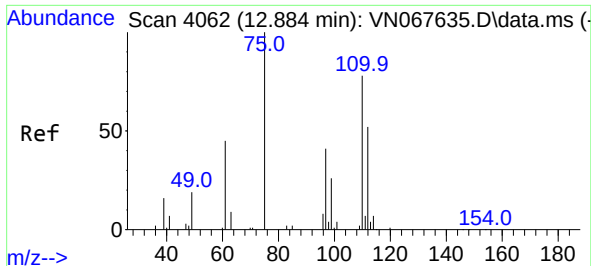
Tgt Ion:152 Resp: 264999
Ion Ratio Lower Upper
152 100
115 62.7 36.1 108.5
150 158.7 0.0 351.8



#74
N-ethyl acetate
Concen: 0.240 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 43 Resp: 1858
Ion Ratio Lower Upper
43 100
70 23.8 29.4 44.2#
55 20.5 17.0 25.4
61 4.7 17.6 26.4#

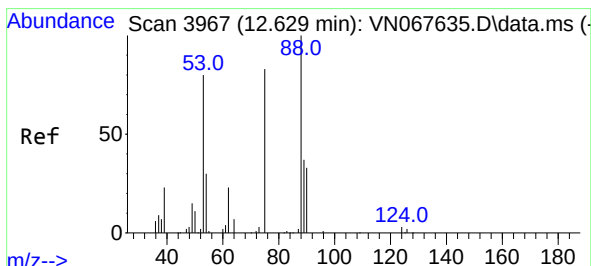
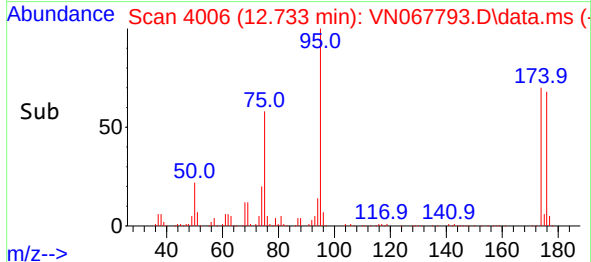
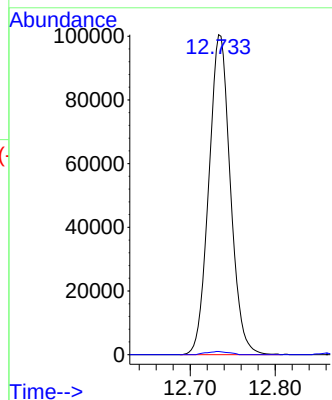
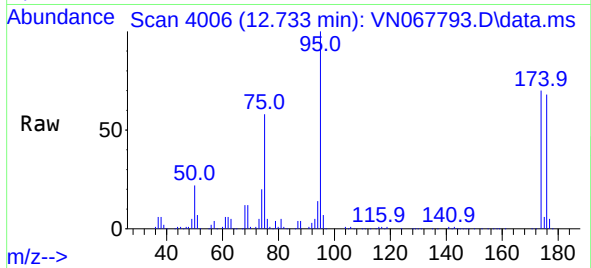




#76
1,2,3-Trichloropropane
Concen: 32.659 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

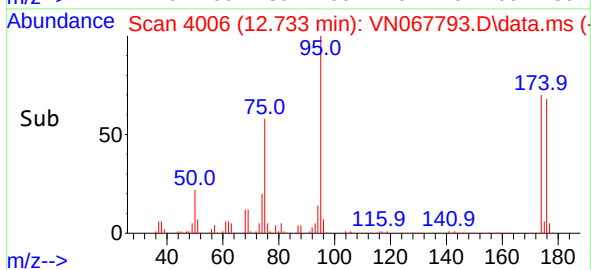
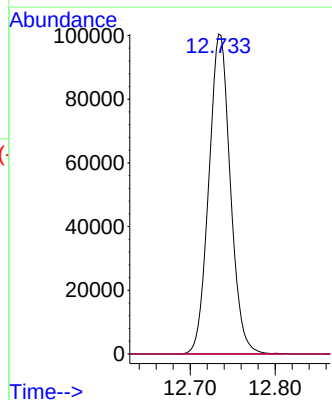
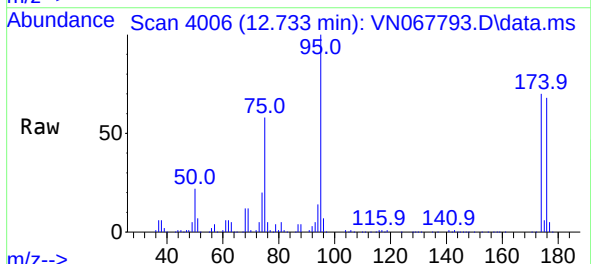
Instrument :
MSVOA_N
ClientSampled :

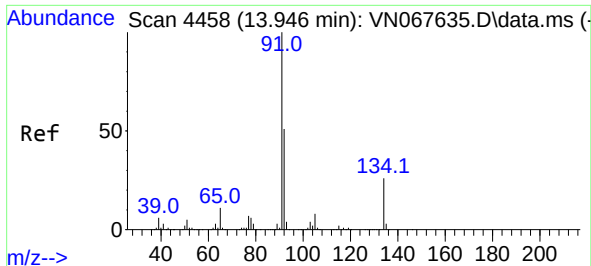
Tgt Ion: 75 Resp: 176741
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.295 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 75 Resp: 176741
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

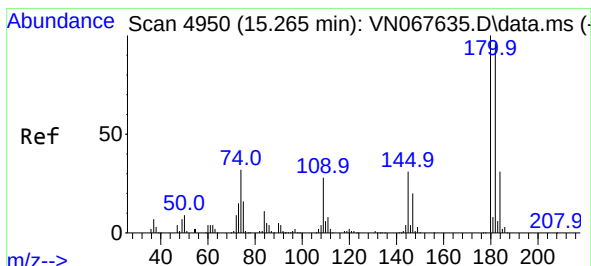
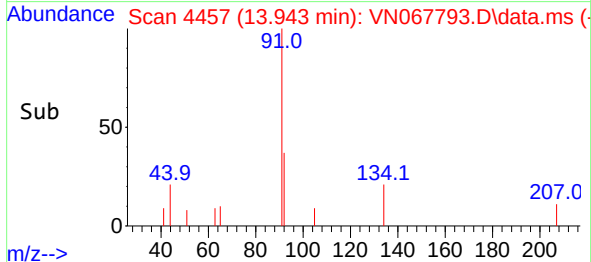
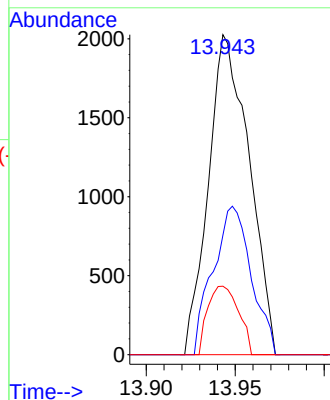
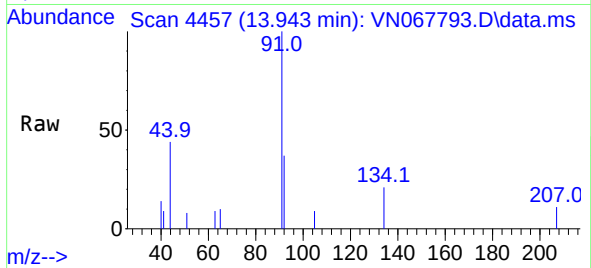




#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

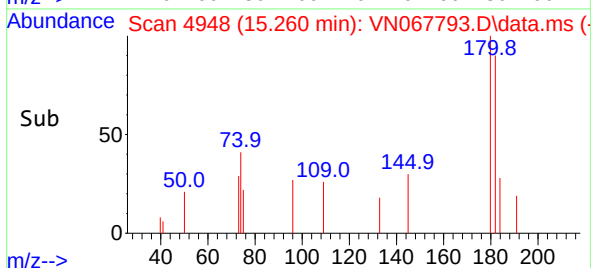
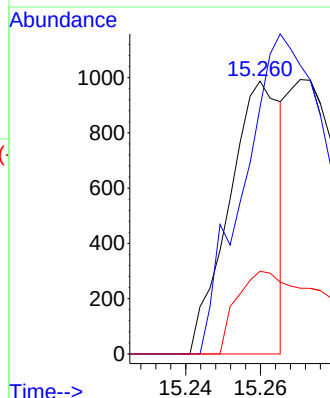
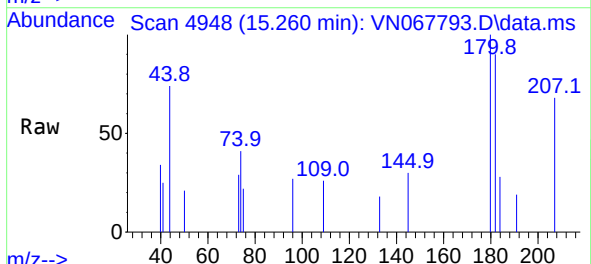
Instrument :
MSVOA_N
ClientSampleId :

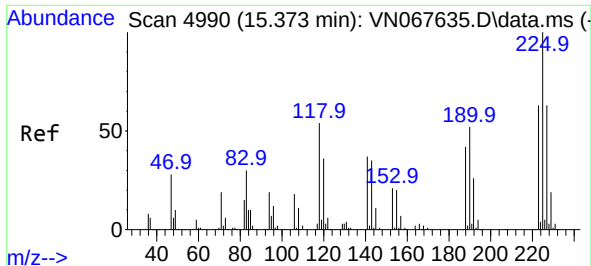
Tgt Ion: 91	Resp:	3225
Ion Ratio	Lower	Upper
91	100	
92	43.7	25.7 77.1
134	16.2	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 2.877 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion: 180	Resp:	944
Ion Ratio	Lower	Upper
180	100	
182	199.0	47.5 142.5#
145	48.0	17.2 51.6

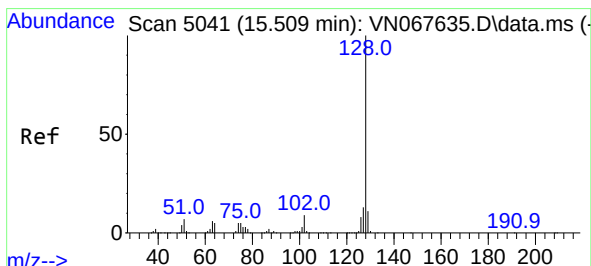
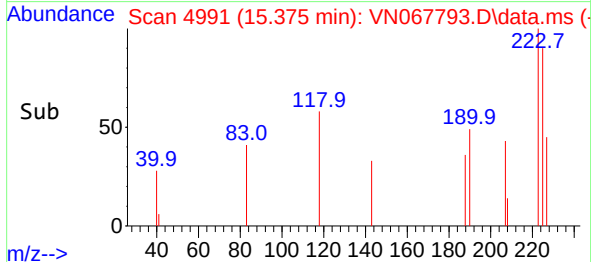
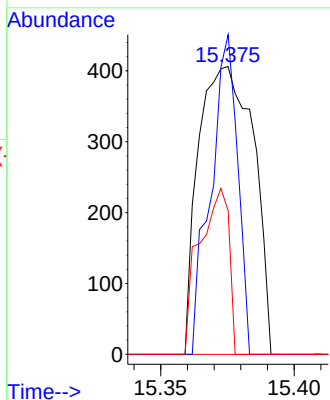
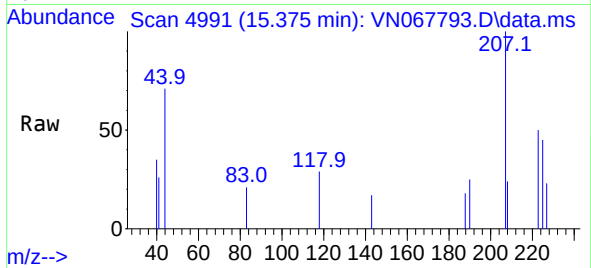




#94
Hexachlorobutadiene
Concen: 0.325 ug/l
RT: 15.375 min Scan# 4991
Delta R.T. 0.002 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

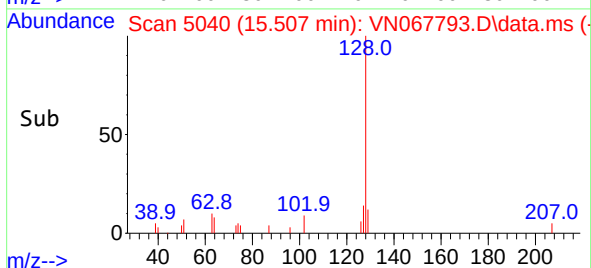
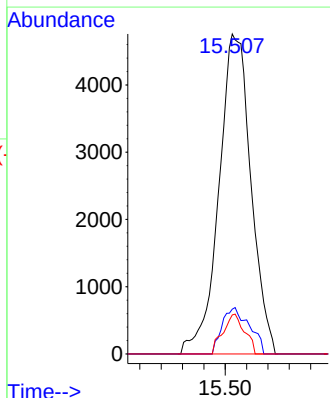
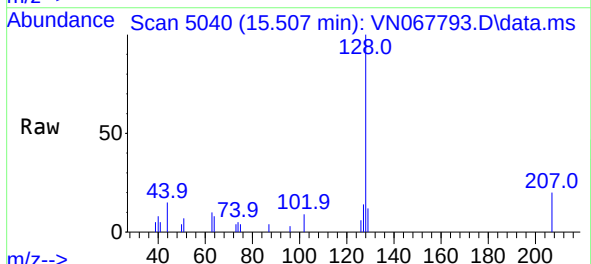
Instrument :
MSVOA_N
ClientSampled :

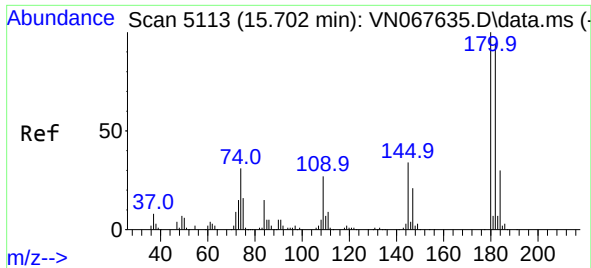
Tgt Ion:225 Resp: 579
Ion Ratio Lower Upper
225 100
223 54.6 31.4 94.0
227 31.1 31.2 93.6#



#95
Naphthalene
Concen: 3.731 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067793.D
Acq: 19 Jul 2021 15:13

Tgt Ion:128 Resp: 9925
Ion Ratio Lower Upper
128 100
127 12.3 10.6 15.8
129 8.4 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.137 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067793.D
 Acq: 19 Jul 2021 15:13

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:	180	Resp:	2252
Ion	Ratio	Lower	Upper
180	100		
182	105.6	47.8	143.3
145	40.6	18.2	54.6

