

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067795.D
 Acq On : 19 Jul 2021 15:59
 Operator : JC/MD
 Sample : M3076-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:52:33 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)

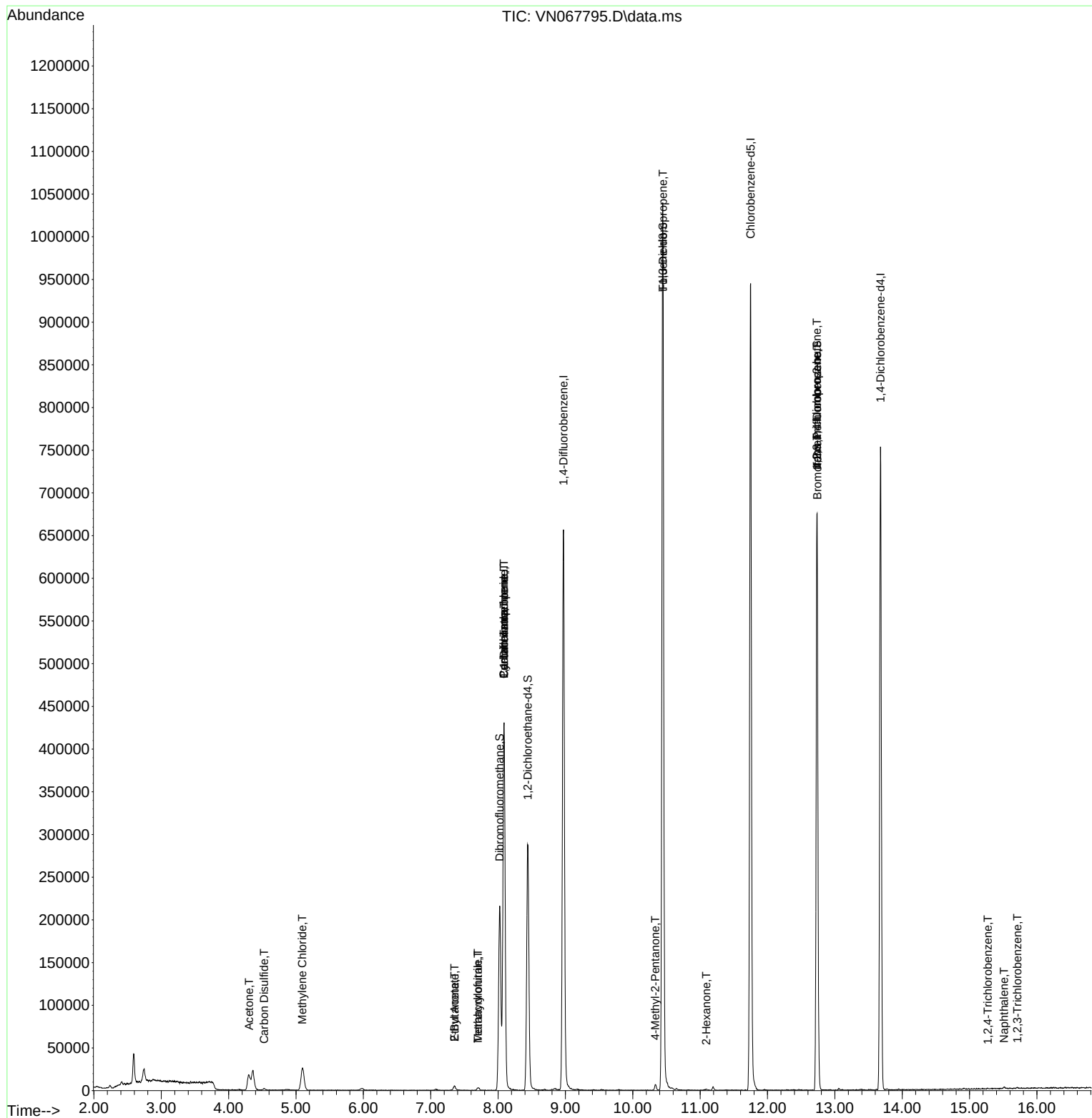
Internal Standards						
1) Pentafluorobenzene	8.088	168	310389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	574213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	543545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	191955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	244698	52.164	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.320%			
35) Dibromofluoromethane	8.024	113	156085	44.991	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 89.980%			
50) Toluene-d8	10.446	98	736457	50.715	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.736	95	236967	46.194	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.380%			
Target Compounds					Qvalue	
5) Bromomethane	2.832	94	216	Below Cal	#	4
6) Chloroethane	3.129	64	26	Below Cal	#	44
13) Acrolein	4.030	56	24	Below Cal	#	14
16) Acetone	4.301	43	34309	23.244	ug/l	98
17) Carbon Disulfide	4.527	76	3530	0.462	ug/l	# 87
20) Methylene Chloride	5.092	84	11131	2.570	ug/l	# 90
25) 2-Butanone	7.353	43	7659	3.125	ug/l	# 94
29) Tetrahydrofuran	7.702	42	1838	1.140	ug/l	# 83
31) Cyclohexane	8.088	56	8683	1.320	ug/l	# 25
36) 1,1-Dichloropropene	8.088	75	28532	5.349	ug/l	# 53
37) Ethyl Acetate	7.353	43	7659	1.482	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	35152	6.681	ug/l	# 17
41) Methacrylonitrile	7.702	41	1149	0.433	ug/l	# 45
51) 4-Methyl-2-Pentanone	10.333	43	4909	0.879	ug/l	# 97
53) t-1,3-Dichloropropene	10.446	75	55	1.752	ug/l	# 1
59) 2-Hexanone	11.089	43	1172	0.301	ug/l	# 81
71) Bromoform	12.739	173	327	3.264	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	135362	34.531	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	135362	111.330	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	438	2.804	ug/l	# 42
95) Naphthalene	15.512	128	2592	3.271	ug/l	# 73
96) 1,2,3-Trichlorobenzene	15.710	180	429	2.765	ug/l	# 72

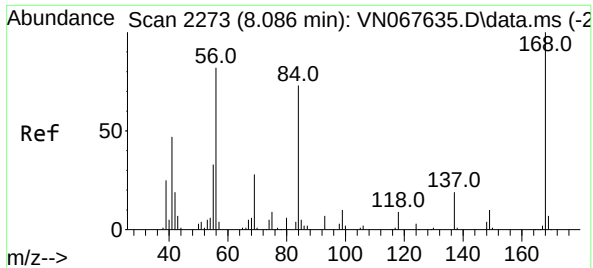
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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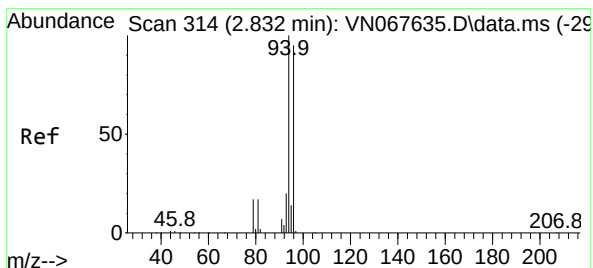
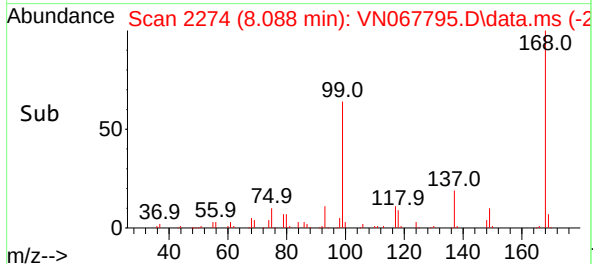
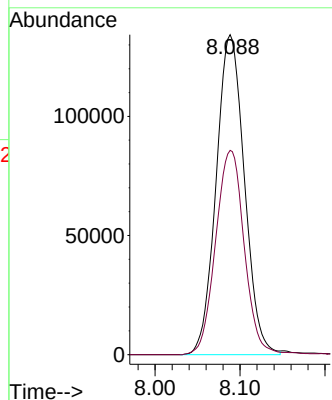
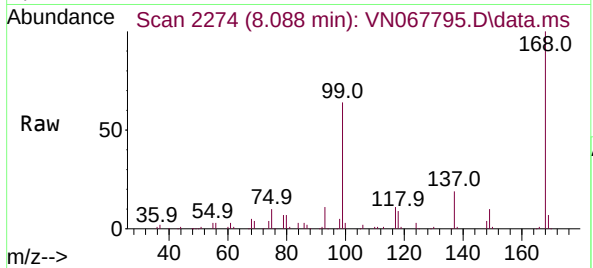




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

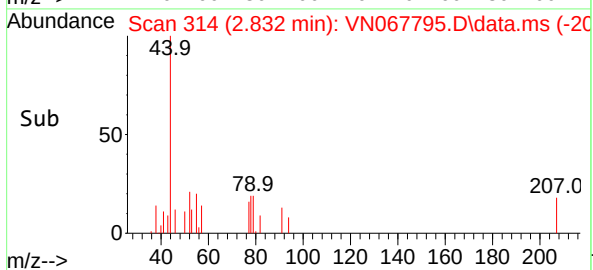
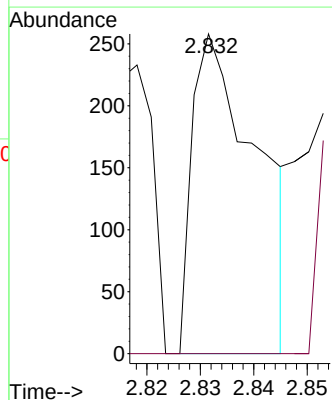
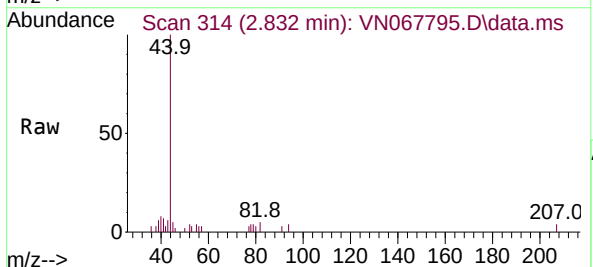
Instrument :
MSVOA_N
ClientSampleId :

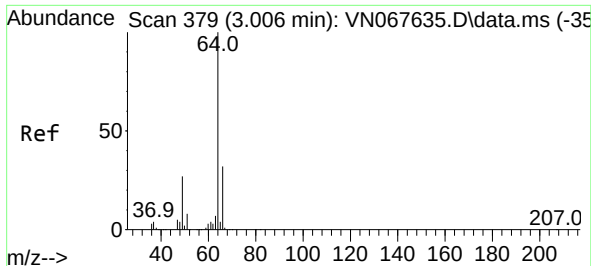
Tgt Ion:168 Resp: 310389
Ion Ratio Lower Upper
168 100
99 63.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.000 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

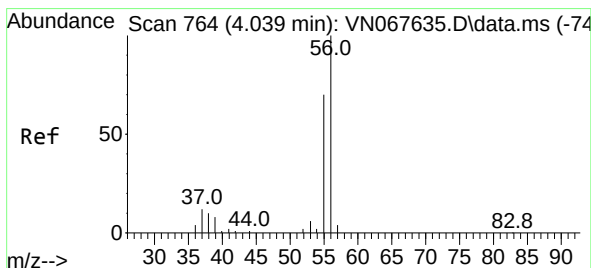
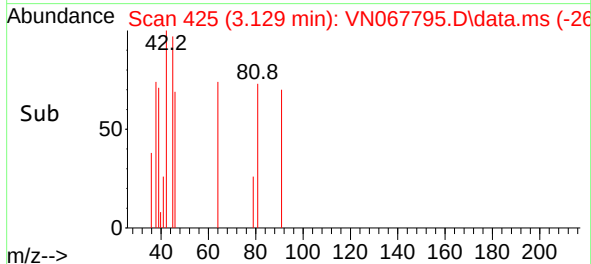
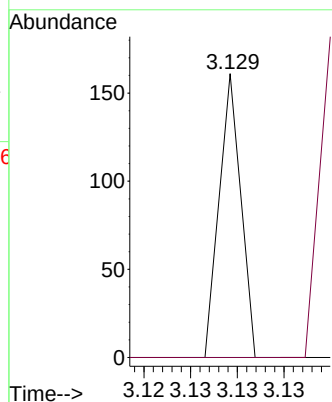
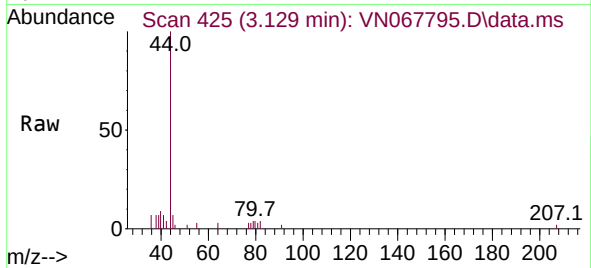




#6
Chloroethane
Concen: Below Cal
RT: 3.129 min Scan# 425
Delta R.T. 0.123 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

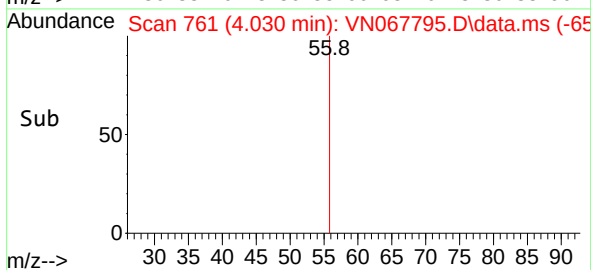
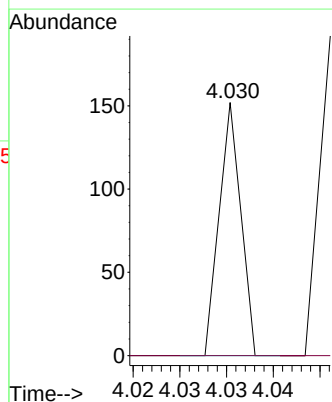
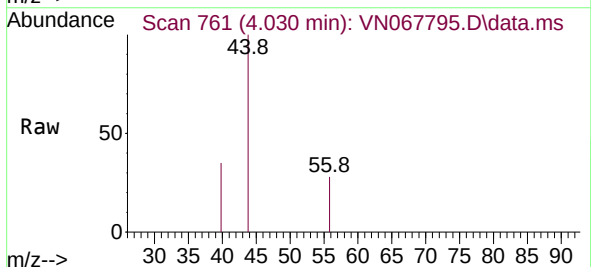
Instrument :
MSVOA_N
ClientSampled :

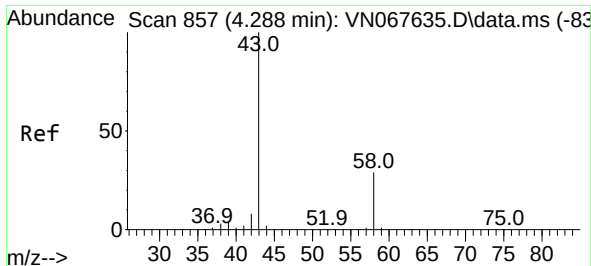
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.030 min Scan# 761
Delta R.T. -0.009 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

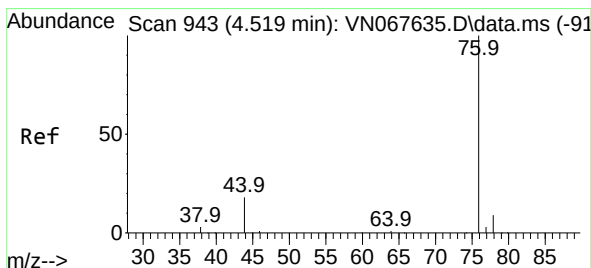
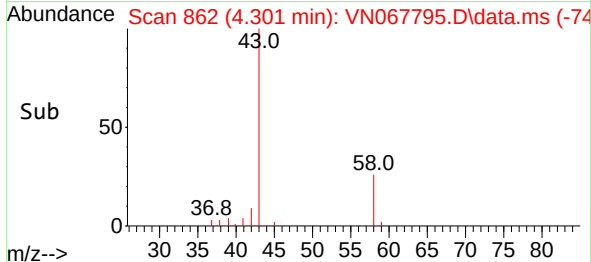
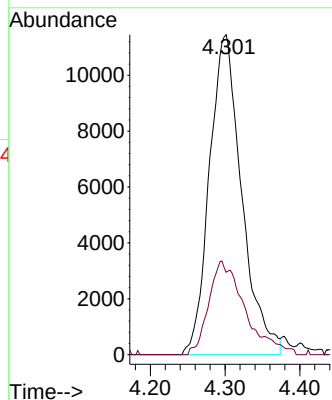
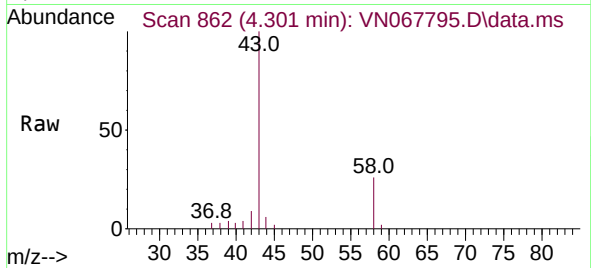




#16
Acetone
Concen: 23.244 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

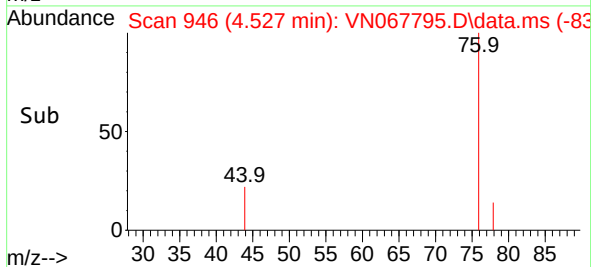
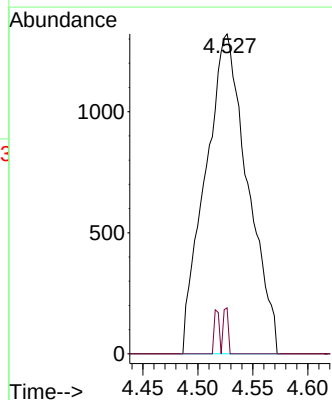
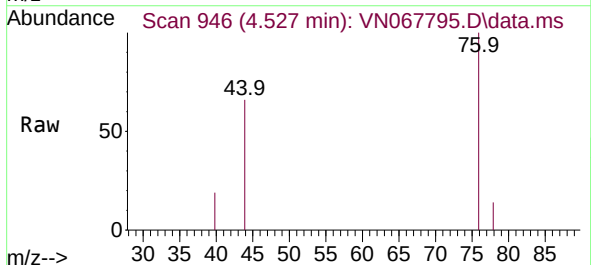
Instrument :
MSVOA_N
ClientSampled :

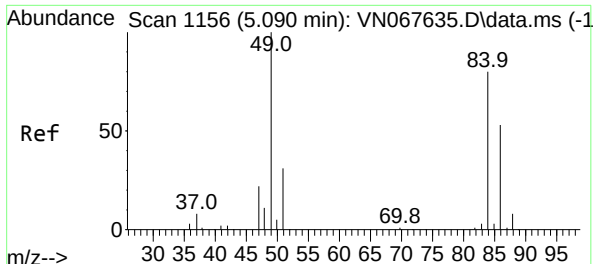
Tgt Ion: 43 Resp: 34309
Ion Ratio Lower Upper
43 100
58 25.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.462 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

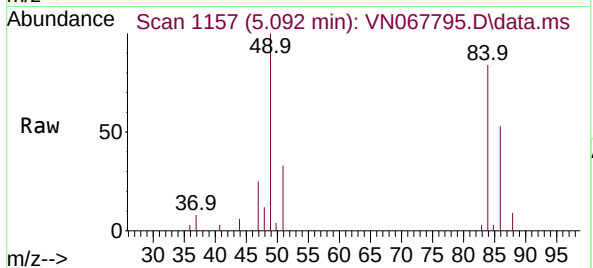
Tgt Ion: 76 Resp: 3530
Ion Ratio Lower Upper
76 100
78 14.4 7.7 11.5#



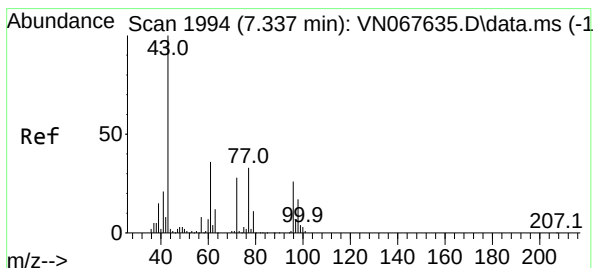
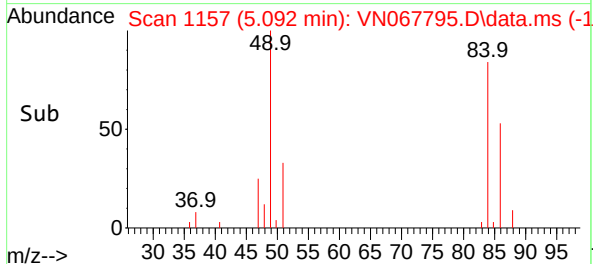
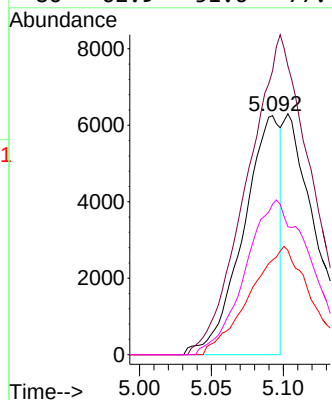


#20
Methylene Chloride
Concen: 2.570 ug/l
RT: 5.092 min Scan# 1157
Delta R.T. 0.002 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

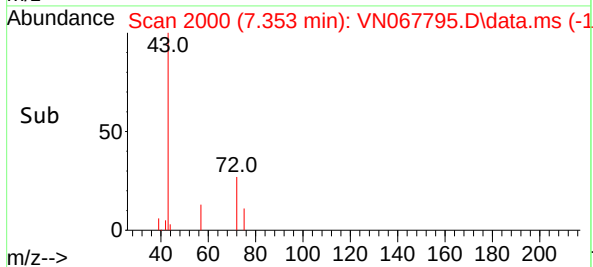
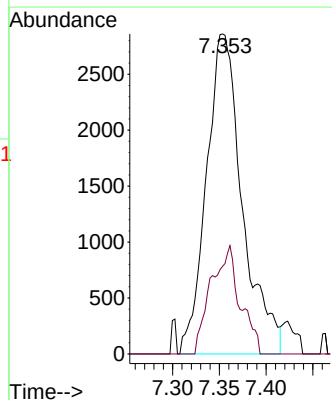
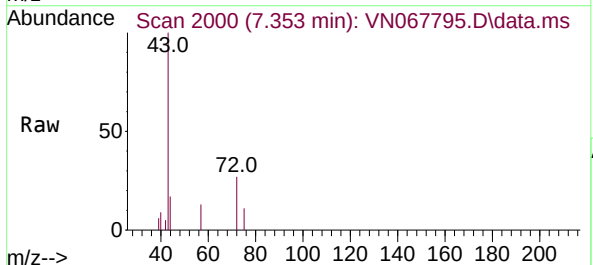


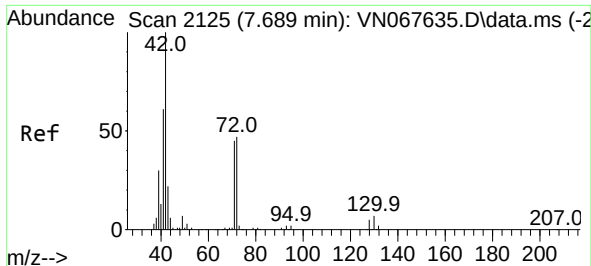
Tgt Ion:	84	Resp:	11131
Ion	Ratio	Lower	Upper
84	100		
49	118.6	110.9	166.3
51	39.6	32.6	49.0
86	62.9	51.6	77.4



#25
2-Butanone
Concen: 3.125 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion:	43	Resp:	7659
Ion	Ratio	Lower	Upper
43	100		
72	27.4	19.7	29.5





#29

Tetrahydrofuran

Concen: 1.140 ug/l

RT: 7.702 min Scan# 2130

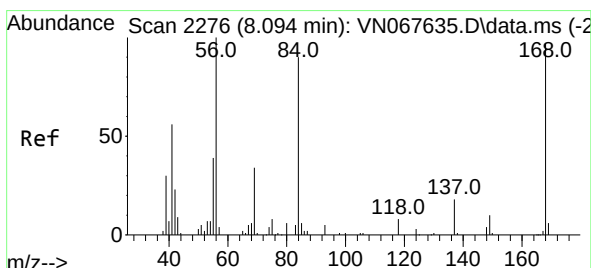
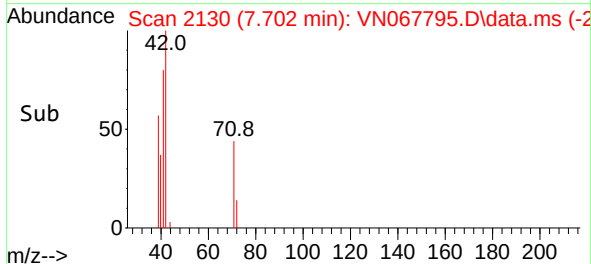
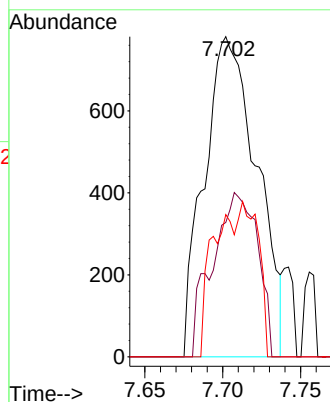
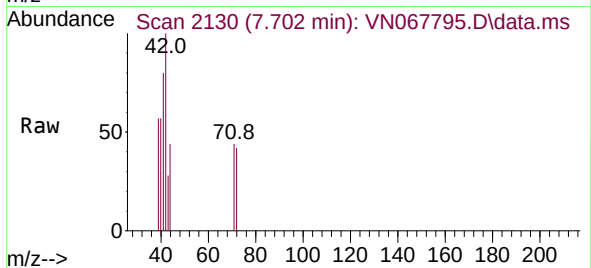
Delta R.T. 0.013 min

Lab File: VN067795.D

Acq: 19 Jul 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 42	Resp: 1838
Ion Ratio	Lower Upper
42 100	
72 44.0	32.8 49.2
71 20.5	31.2 46.8#



#31

Cyclohexane

Concen: 1.320 ug/l

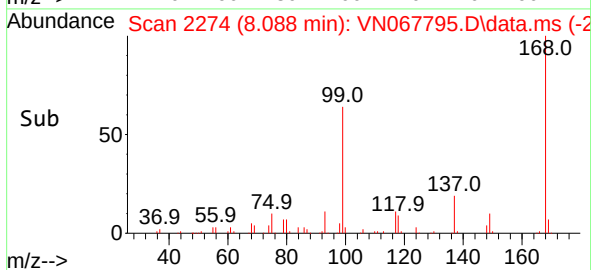
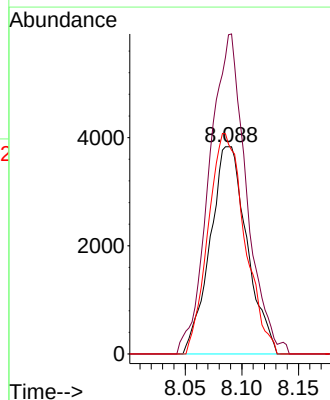
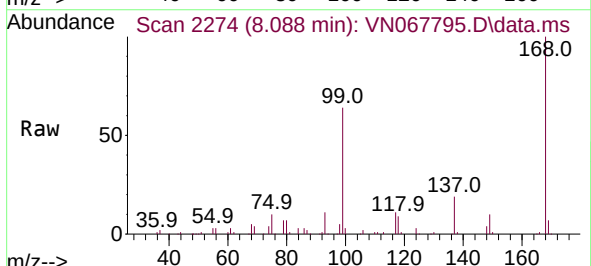
RT: 8.088 min Scan# 2274

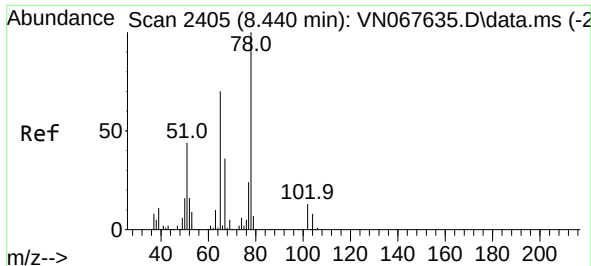
Delta R.T. -0.006 min

Lab File: VN067795.D

Acq: 19 Jul 2021 15:59

Tgt Ion: 56	Resp: 8683		
Ion Ratio	Lower	Upper	
56	100		
69	148.7	27.3	40.9#
84	101.2	64.9	97.3#

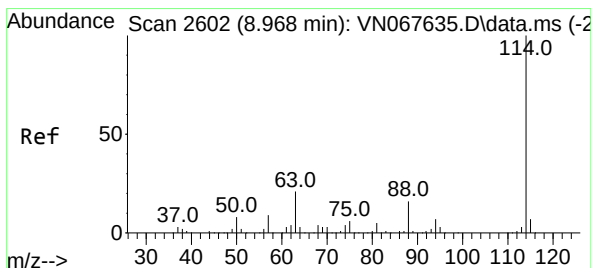
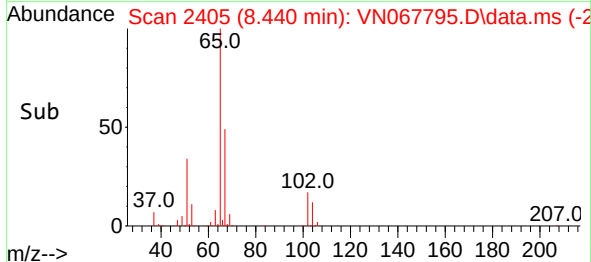
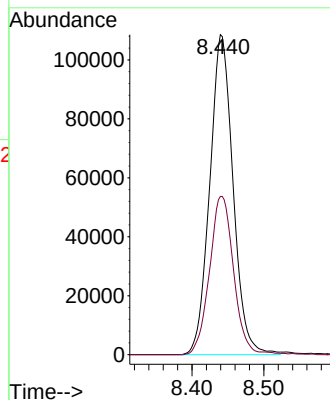
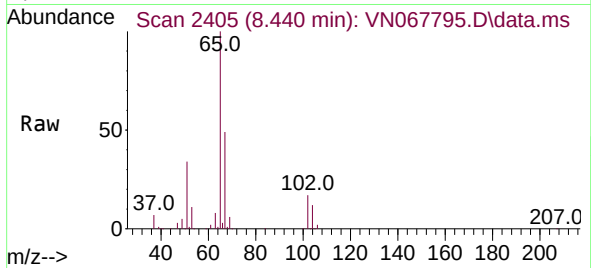




#33
1,2-Dichloroethane-d4
Concen: 52.164 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

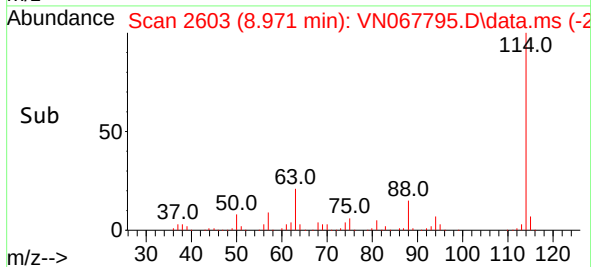
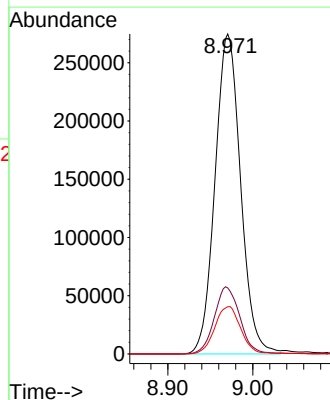
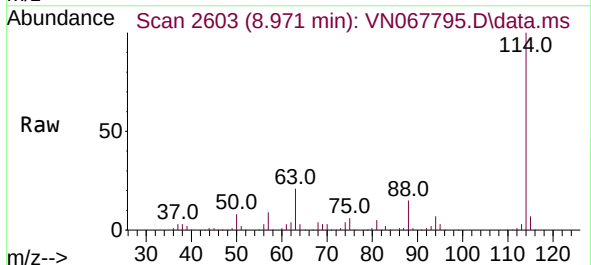
Instrument :
MSVOA_N
ClientSampled :

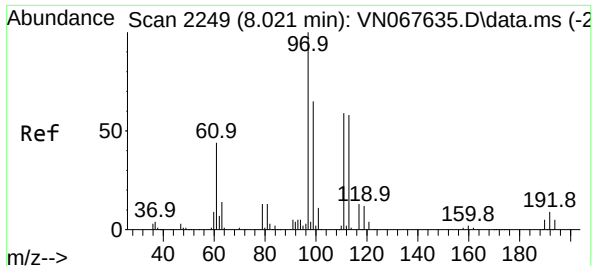
Tgt Ion: 65 Resp: 244698
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 114 Resp: 574213
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 14.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.991 ug/l

RT: 8.024 min Scan# 2250

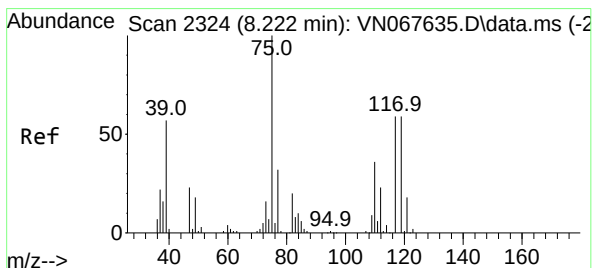
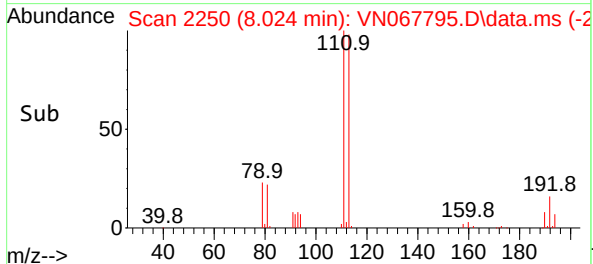
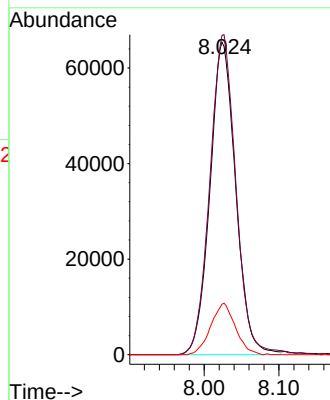
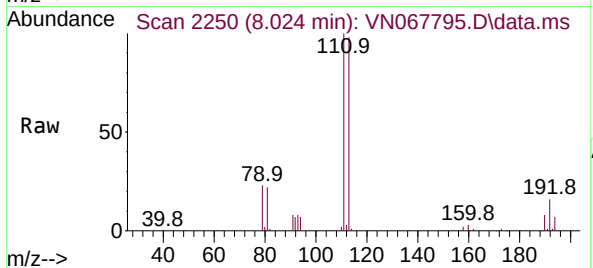
Delta R.T. 0.003 min

Lab File: VN067795.D

Acq: 19 Jul 2021 15:59

Tgt Ion:	113	Resp:	156085
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.8	125.8
192	15.8	13.4	20.0

Instrument :
MSVOA_N
ClientSampled :



#36

1,1-Dichloropropene

Concen: 5.349 ug/l

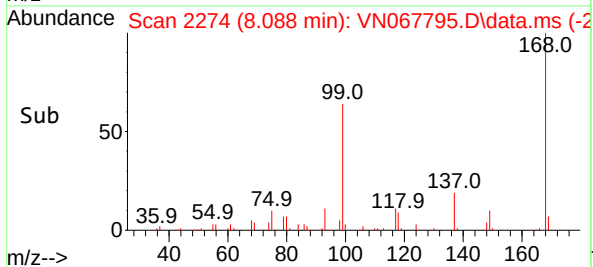
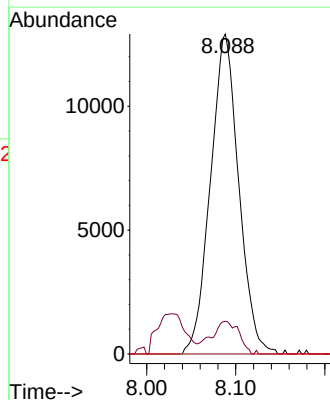
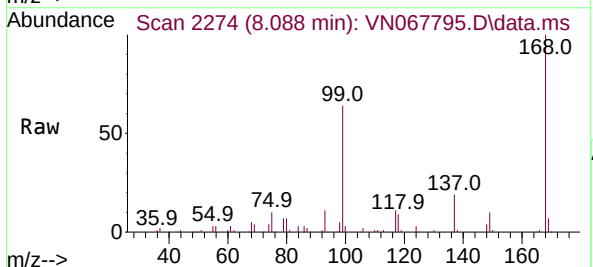
RT: 8.088 min Scan# 2274

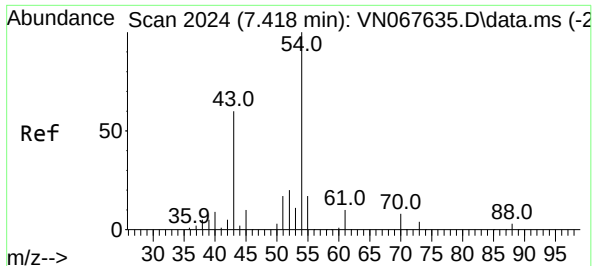
Delta R.T. -0.134 min

Lab File: VN067795.D

Acq: 19 Jul 2021 15:59

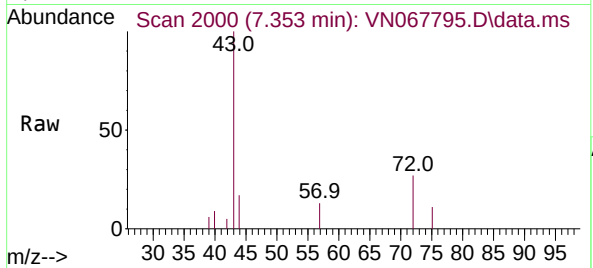
Tgt Ion:	75	Resp:	28532
Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.7	47.0#
77	0.0	24.6	37.0#



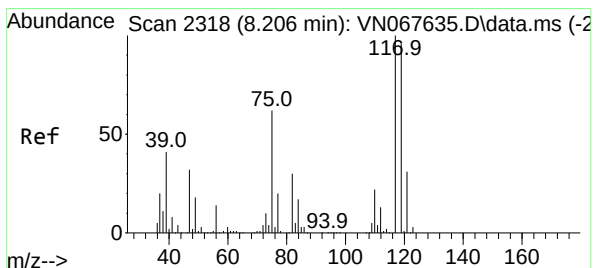
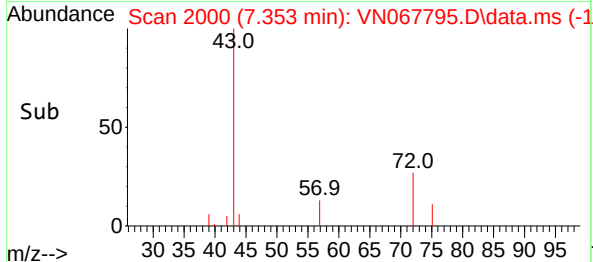
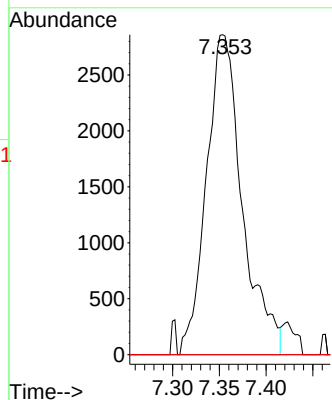


#37
Ethyl Acetate
Concen: 1.482 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.065 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

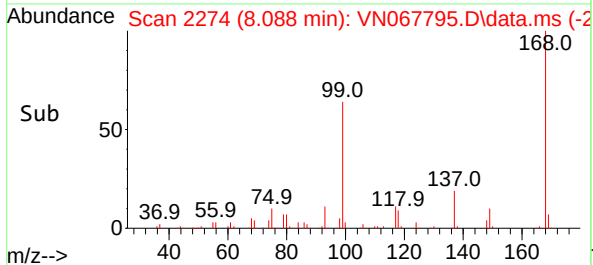
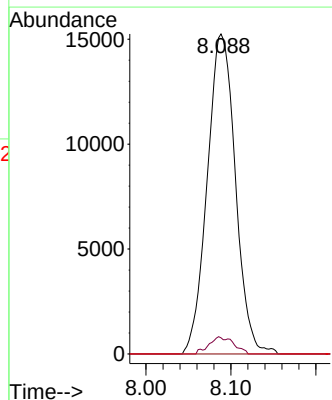
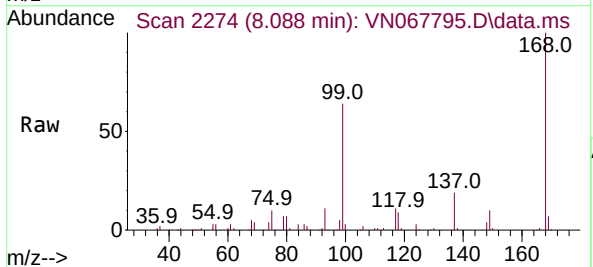


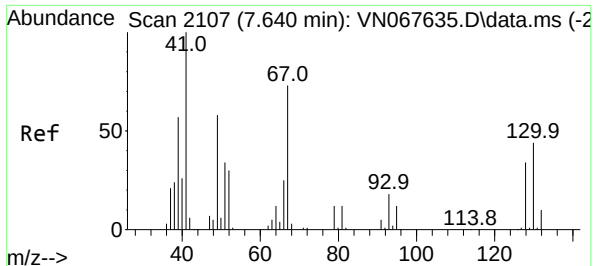
Tgt Ion: 43 Resp: 7659
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 117 Resp: 35152
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

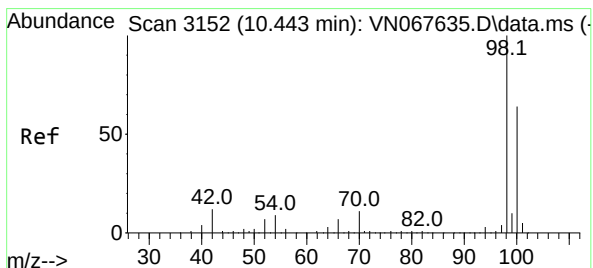
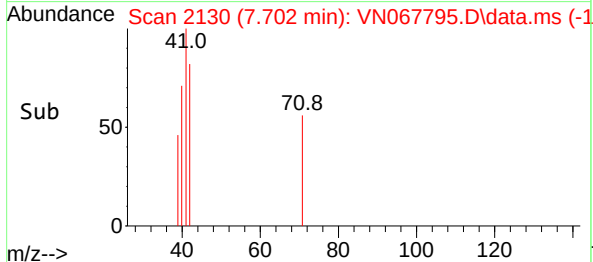
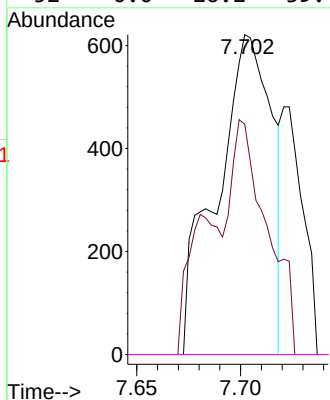
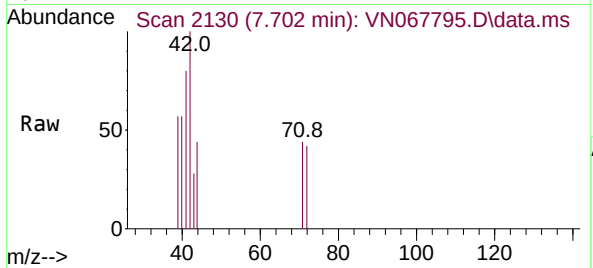




#41
Methacrylonitrile
Concen: 0.433 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.062 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

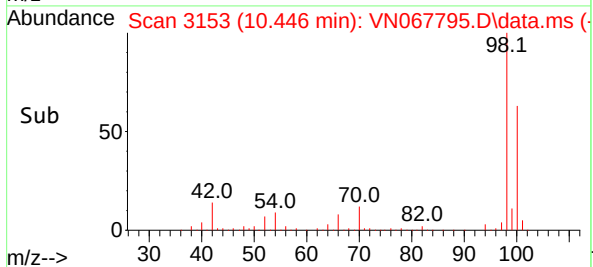
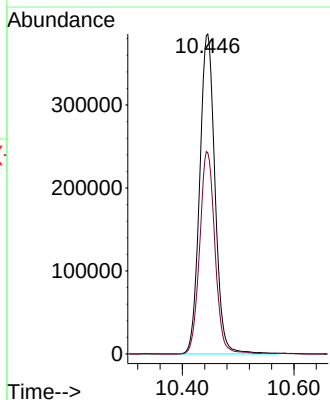
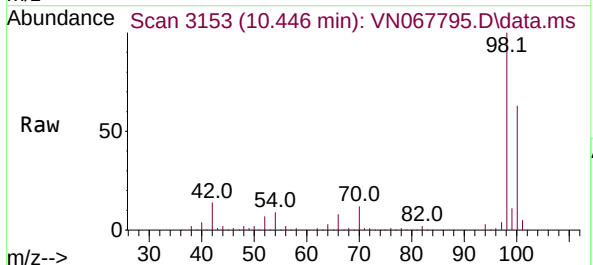
Instrument :
MSVOA_N
ClientSampled :

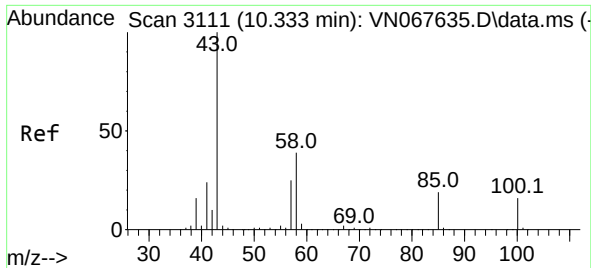
Tgt Ion: 41	Resp: 1149
Ion Ratio	Lower Upper
41	100
39	49.1 47.6 71.4
67	0.0 57.7 86.5#
52	0.0 26.2 39.4#



#50
Toluene-d8
Concen: 50.715 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 98	Resp: 736457
Ion Ratio	Lower Upper
98	100
100	62.9 51.7 77.5

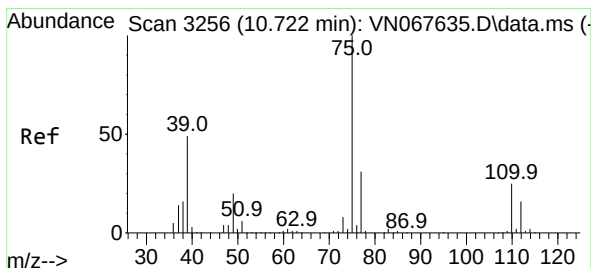
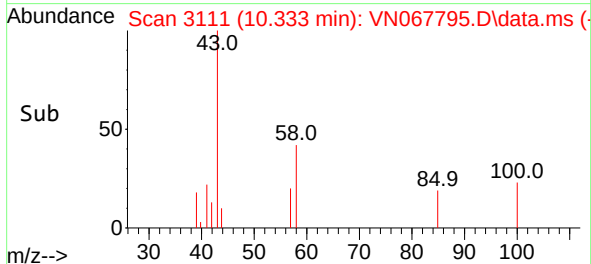
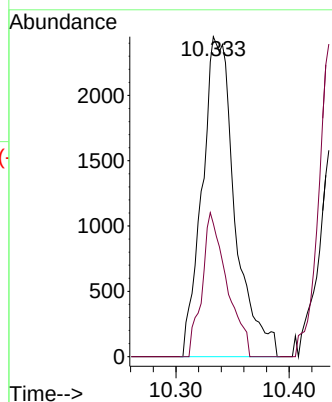
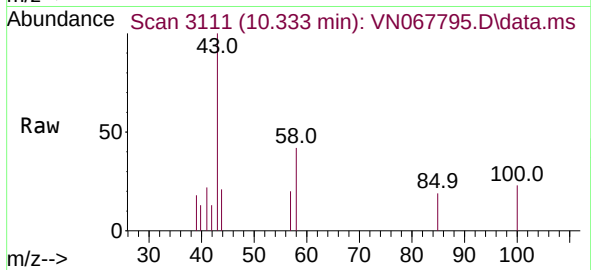




#51
4-Methyl-2-Pentanone
Concen: 0.879 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

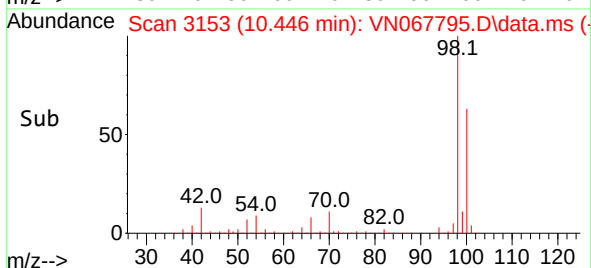
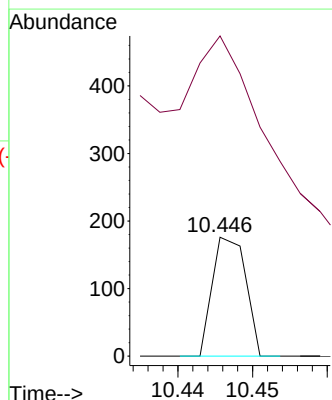
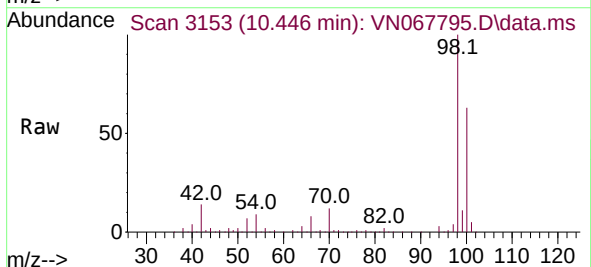
Instrument :
MSVOA_N
ClientSampled :

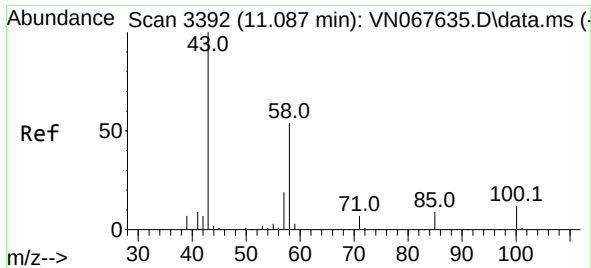
Tgt Ion: 43 Resp: 4909
Ion Ratio Lower Upper
43 100
58 34.0 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 105.7 25.1 37.7#

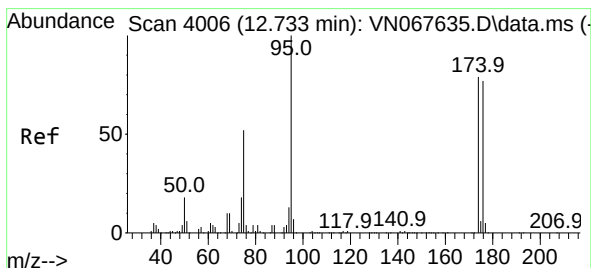
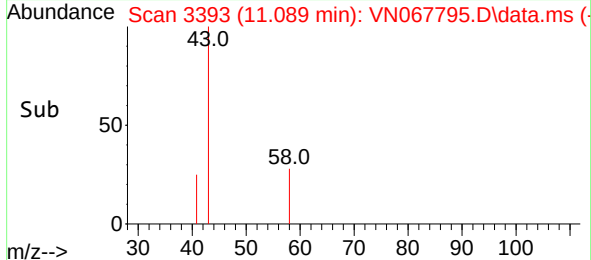
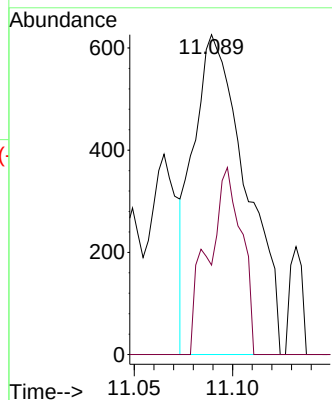
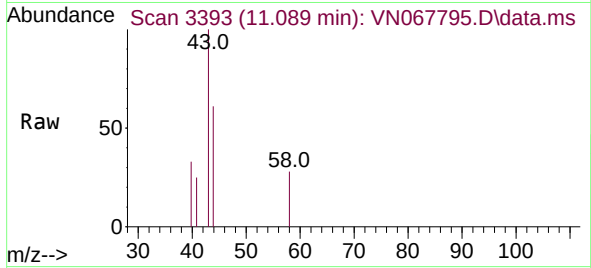




#59
2-Hexanone
Concen: 0.301 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

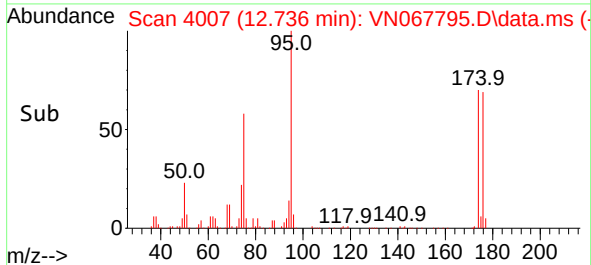
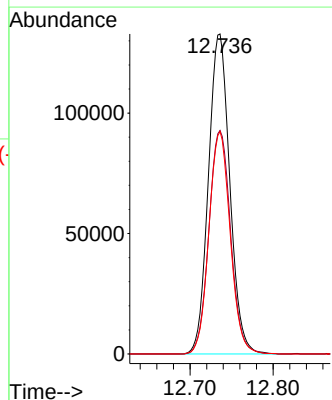
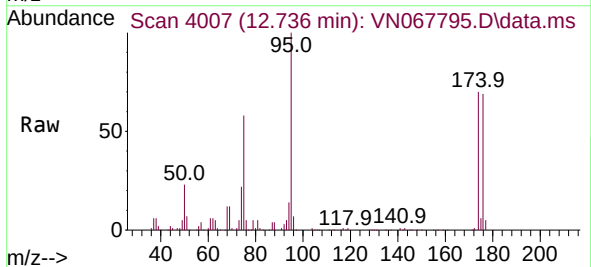
Instrument :
MSVOA_N
ClientSampled :

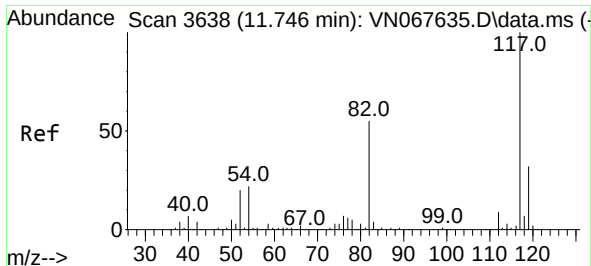
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 36.6 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 46.194 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion: 95 Resp: 236967
Ion Ratio Lower Upper
95 100
174 71.3 0.0 122.0
176 69.2 0.0 117.6

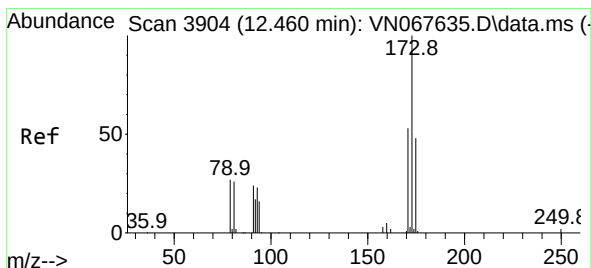
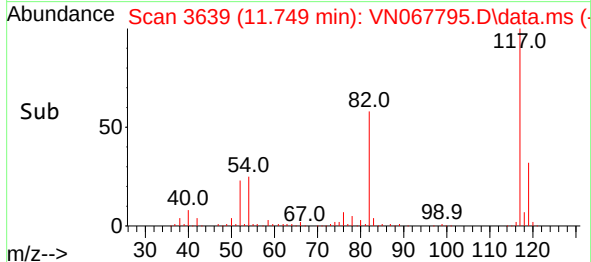
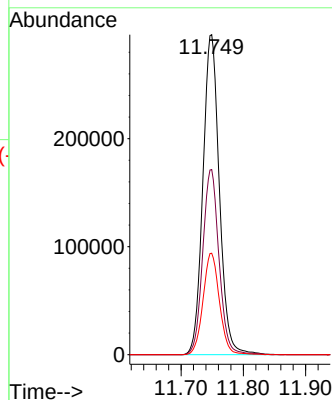
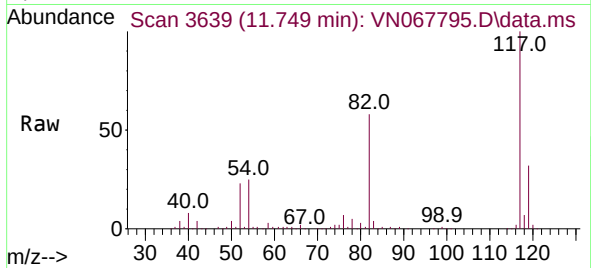




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

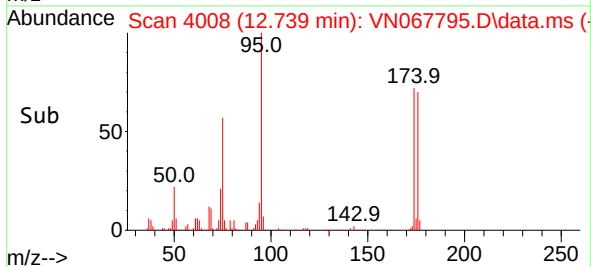
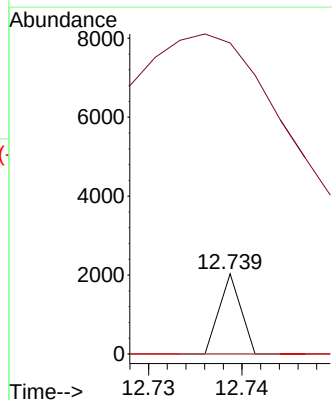
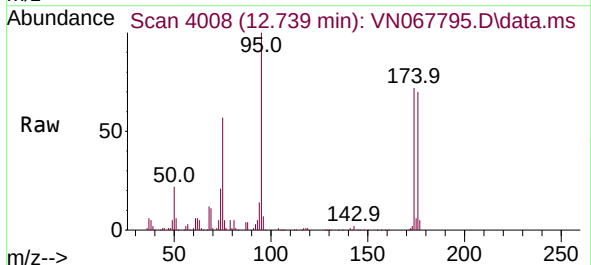
Instrument :
MSVOA_N
ClientSampleId :

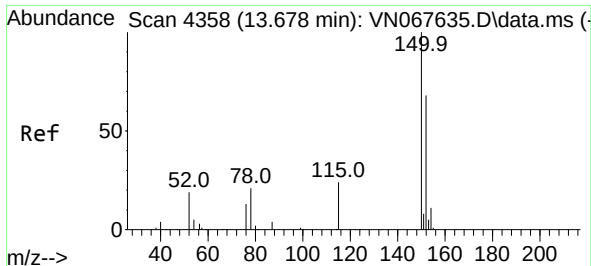
Tgt Ion:117 Resp: 543545
Ion Ratio Lower Upper
117 100
82 57.9 53.1 79.7
119 31.7 25.5 38.3



#71
Bromoform
Concen: 3.264 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion:173 Resp: 327
Ion Ratio Lower Upper
173 100
175 3897.9 23.9 71.8#
254 0.0 0.0 0.0

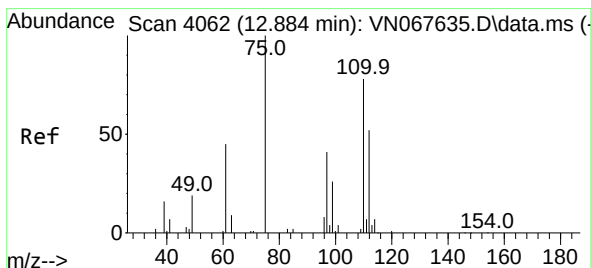
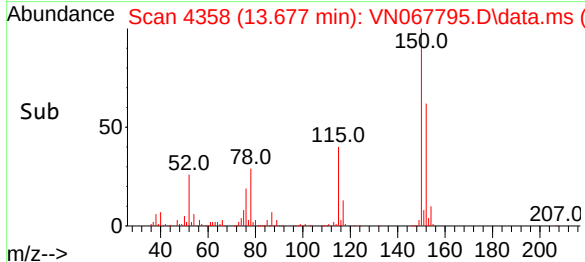
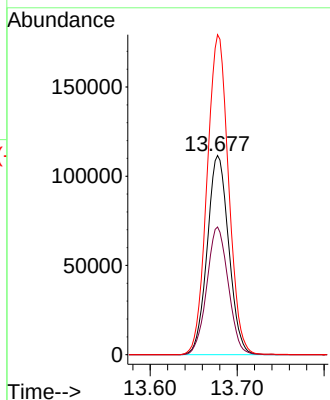
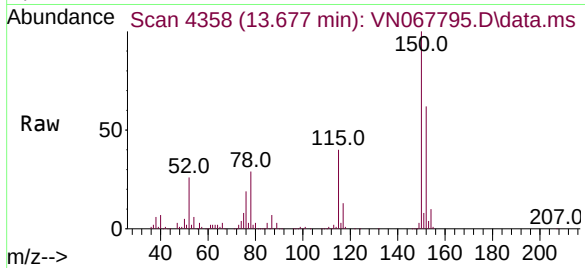




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

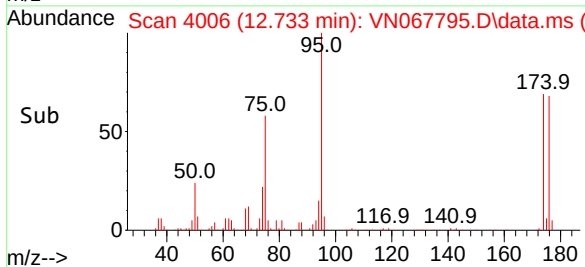
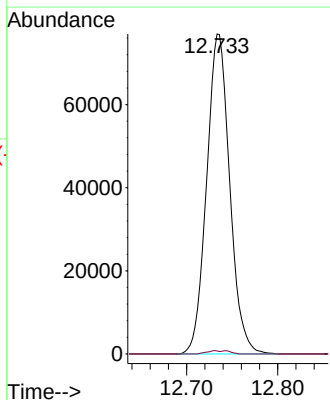
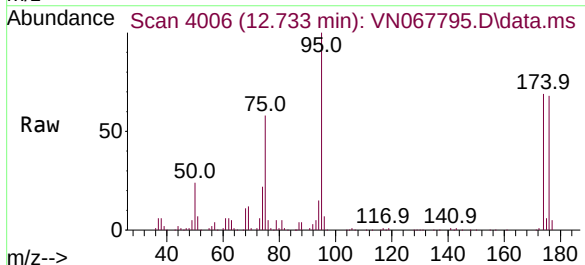
Instrument :
MSVOA_N
ClientSampled :

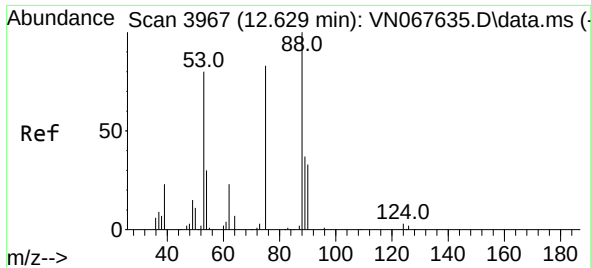
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	36.1	108.5
150	160.3	0.0	351.8



#76
1,2,3-Trichloropropane
Concen: 34.531 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

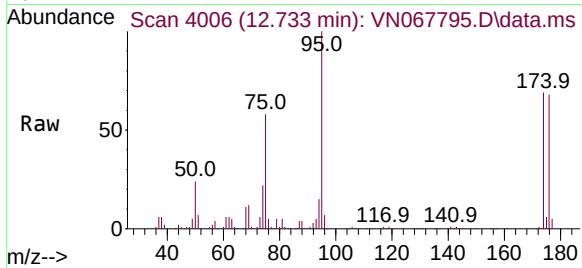
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	0.0	0.0#



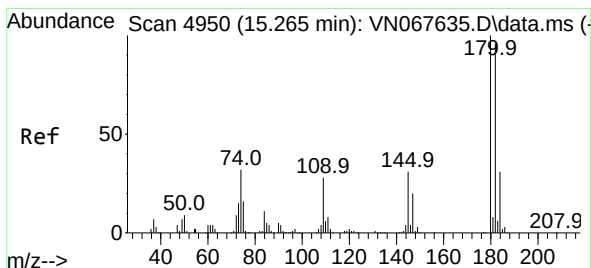
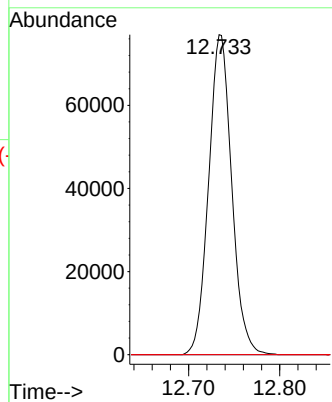
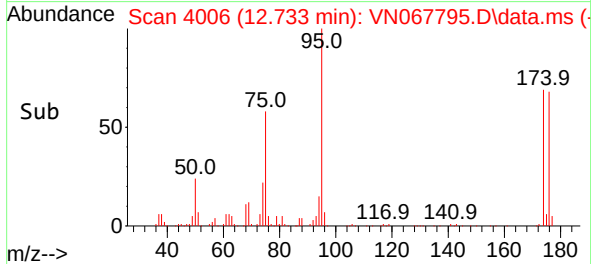


#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.330 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067795.D
 Acq: 19 Jul 2021 15:59

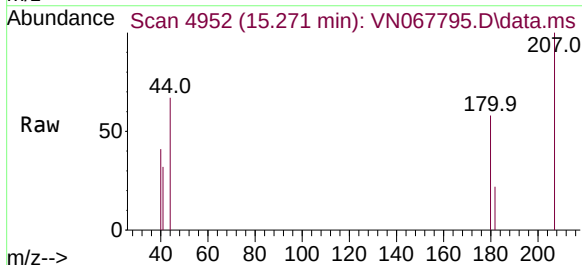
Instrument :
 MSVOA_N
 ClientSampled :



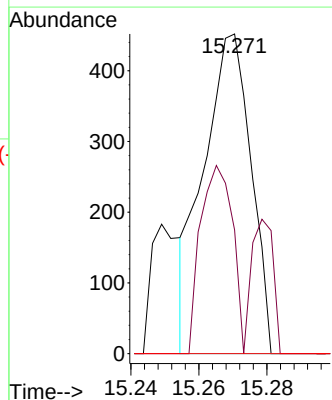
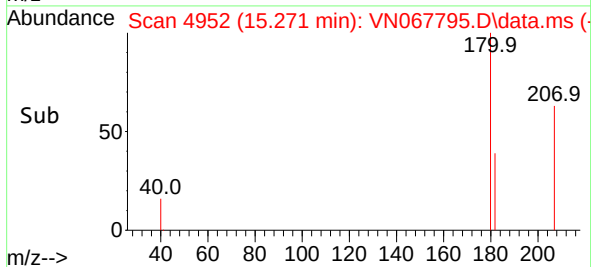
Tgt Ion: 75 Resp: 135362
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#

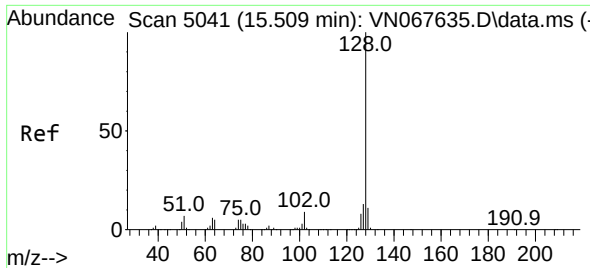


#93
 1,2,4-Trichlorobenzene
 Concen: 2.804 ug/l
 RT: 15.271 min Scan# 4952
 Delta R.T. 0.005 min
 Lab File: VN067795.D
 Acq: 19 Jul 2021 15:59



Tgt Ion: 180 Resp: 438
 Ion Ratio Lower Upper
 180 100
 182 39.7 47.5 142.5#
 145 0.0 17.2 51.6#

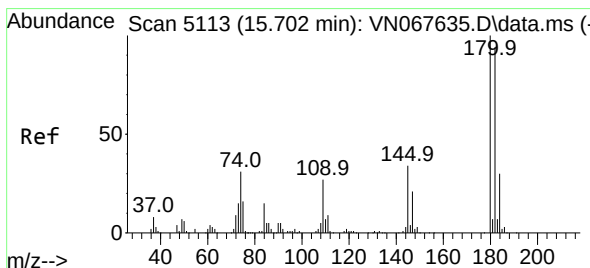
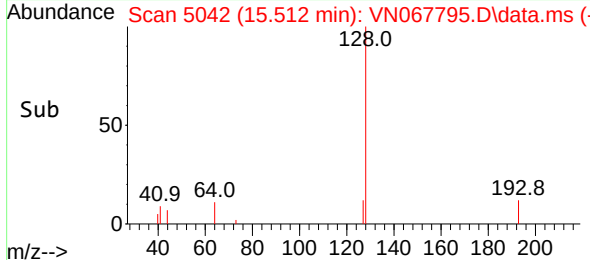
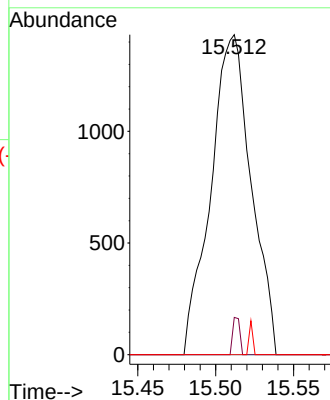
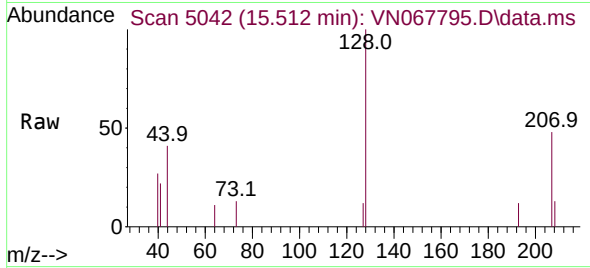




#95
Naphthalene
Concen: 3.271 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	2592
Ion Ratio	Lower	Upper
128	100	
127	2.0	10.6 15.8#
129	0.9	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.765 ug/l
RT: 15.710 min Scan# 5116
Delta R.T. 0.008 min
Lab File: VN067795.D
Acq: 19 Jul 2021 15:59

Tgt Ion:180	Resp:	429
Ion Ratio	Lower	Upper
180	100	
182	80.4	47.8 143.3
145	0.0	18.2 54.6#

