

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067789.D
 Acq On : 19 Jul 2021 13:26
 Operator : JC/MD
 Sample : M3032-01
 Misc : 5.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 14:04:01 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)

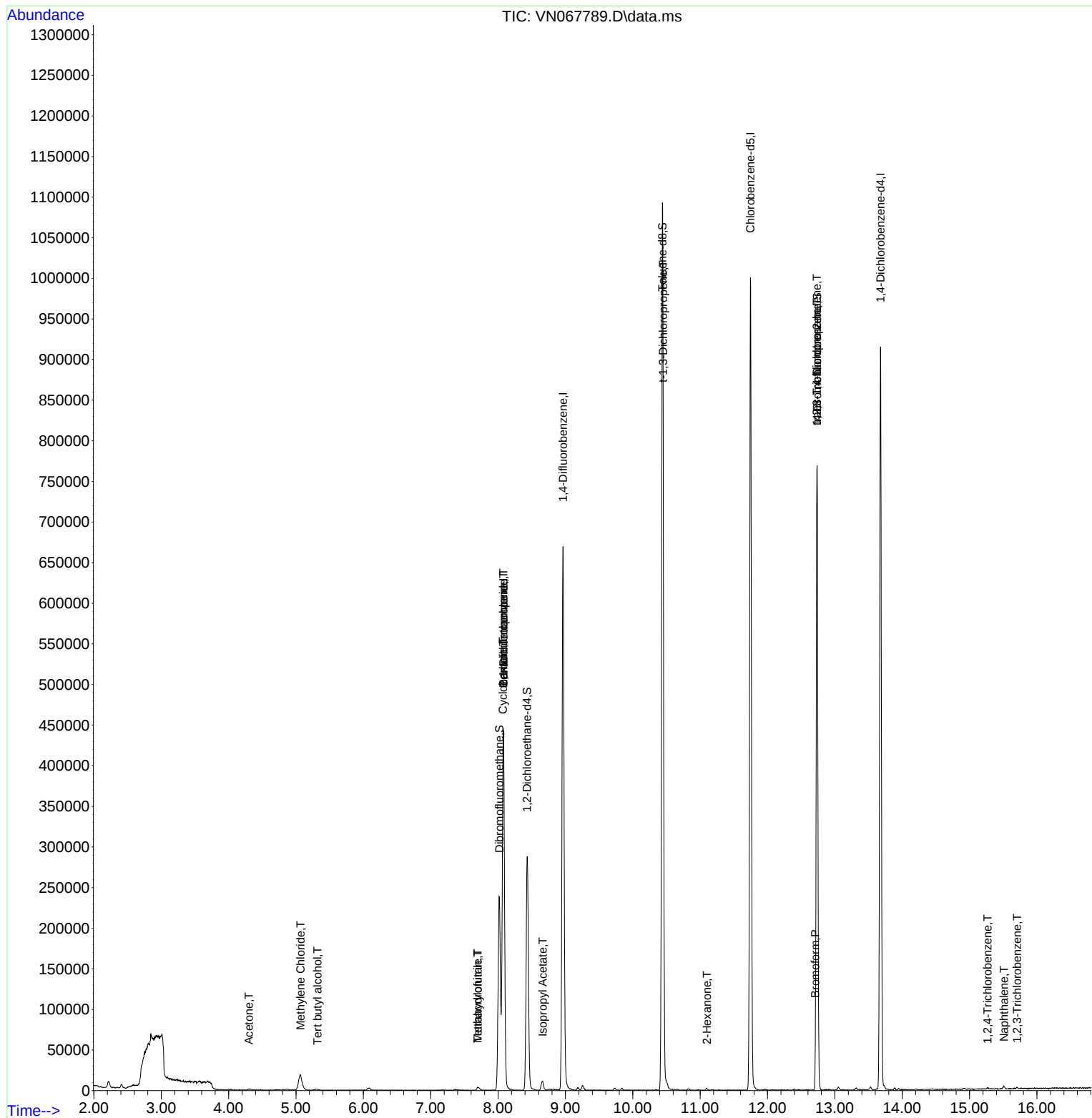
Internal Standards						
1) Pentafluorobenzene	8.078	168	323539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	601312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	232863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	248472	50.816	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.640%			
35) Dibromofluoromethane	8.019	113	177262	48.792	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.580%			
50) Toluene-d8	10.440	98	774040	50.901	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.736	95	264220	49.186	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.380%			
Target Compounds					Qvalue	
5) Bromomethane	2.805	94	1133	Below Cal		95
6) Chloroethane	2.995	64	54	Below Cal	#	84
7) Trichlorofluoromethane	3.279	101	55	Below Cal	#	18
11) Tert butyl alcohol	5.318	59	354	0.504	ug/l #	71
13) Acrolein	4.038	56	336	Below Cal	#	66
16) Acetone	4.299	43	1009	0.656	ug/l	98
20) Methylene Chloride	5.068	84	17246	4.164	ug/l	89
29) Tetrahydrofuran	7.697	42	1062	0.632	ug/l #	80
31) Cyclohexane	8.072	56	4990	0.728	ug/l #	27
36) 1,1-Dichloropropene	8.080	75	30253	5.416	ug/l #	46
38) Carbon Tetrachloride	8.078	117	36311	6.590	ug/l #	17
41) Methacrylonitrile	7.697	41	1752	0.630	ug/l #	35
43) Isopropyl Acetate	8.662	43	5344	0.561	ug/l #	58
53) t-1,3-Dichloropropene	10.451	75	76	1.755	ug/l #	38
59) 2-Hexanone	11.100	43	1721	0.422	ug/l	82
71) Bromoform	12.709	173	29	3.183	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	147313	30.978	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	147313	99.875	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	608	2.823	ug/l #	74
95) Naphthalene	15.509	128	3968	3.339	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.705	180	663	2.801	ug/l #	81

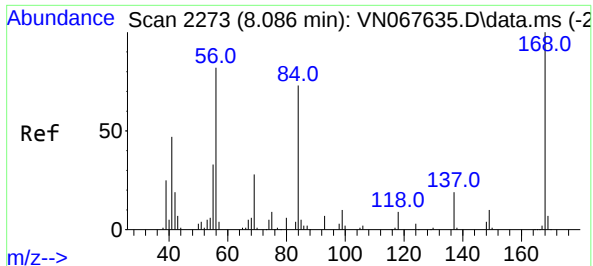
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

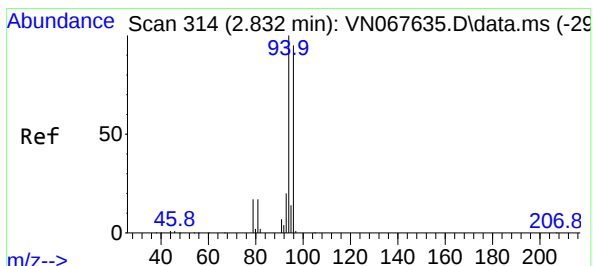
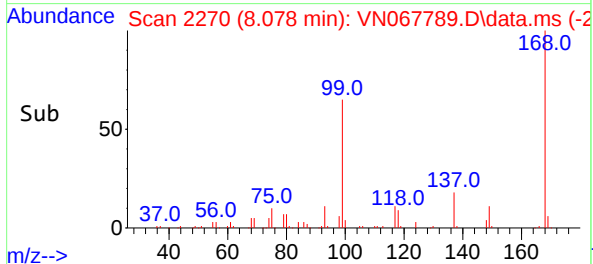
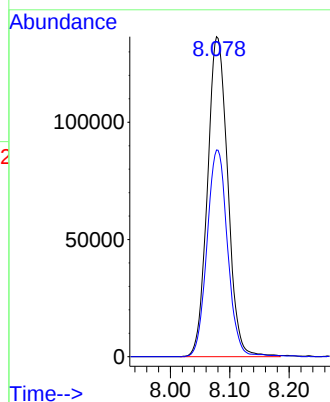
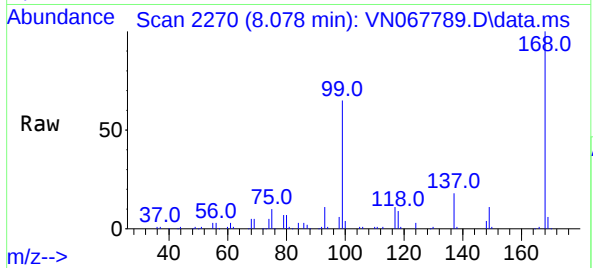




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.008 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

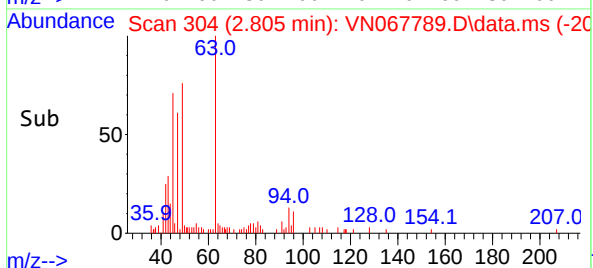
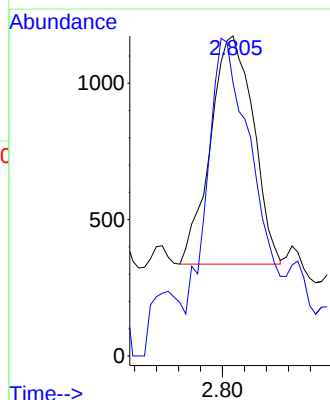
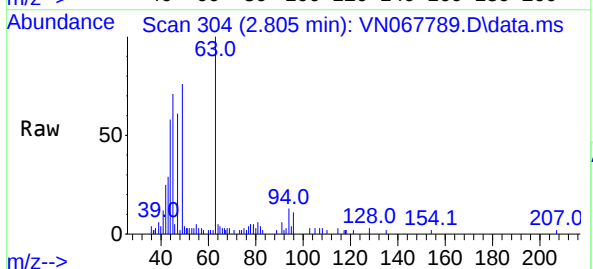
Instrument :
MSVOA_N
ClientSampleId :

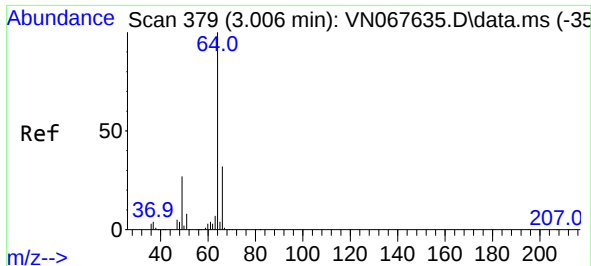
Tgt Ion:168 Resp: 323539
Ion Ratio Lower Upper
168 100
99 64.6 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.805 min Scan# 304
Delta R.T. -0.027 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 94 Resp: 1133
Ion Ratio Lower Upper
94 100
96 96.4 73.7 110.5

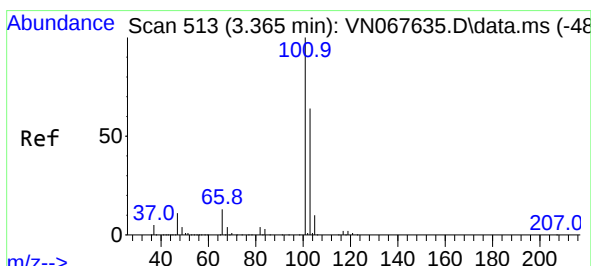
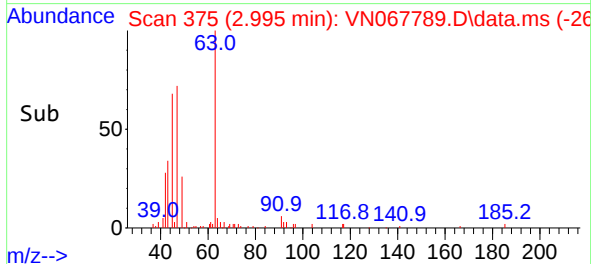
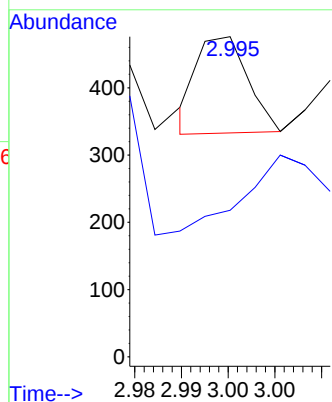
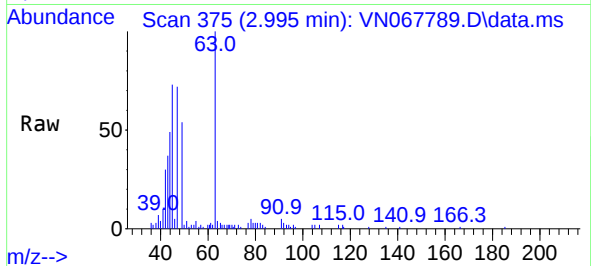




#6
Chloroethane
Concen: Below Cal
RT: 2.995 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

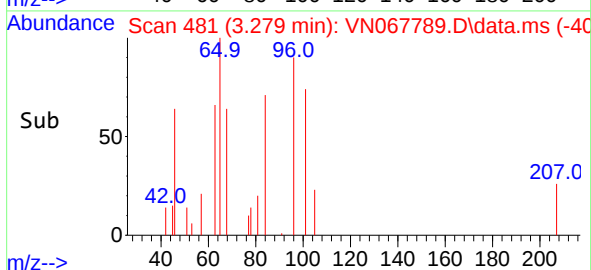
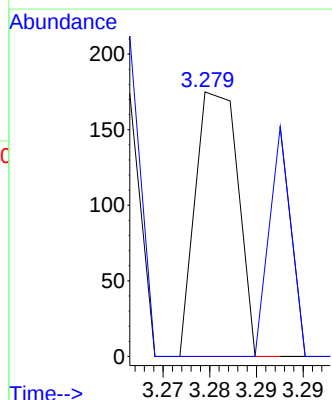
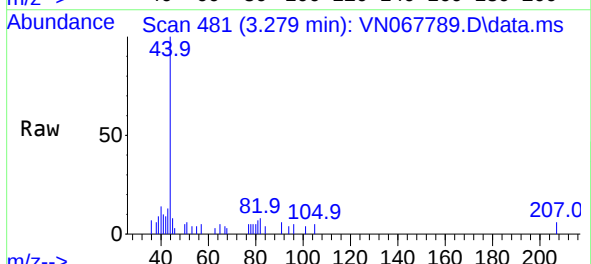
Instrument :
MSVOA_N
ClientSampled :

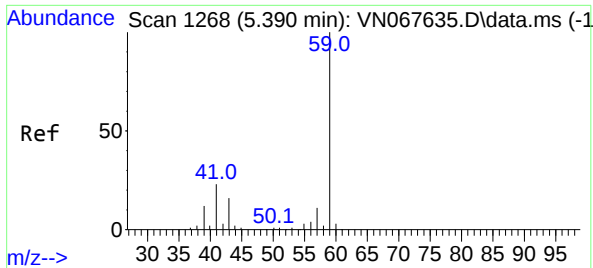
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 22.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.279 min Scan# 481
Delta R.T. -0.086 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 101 Resp: 55
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

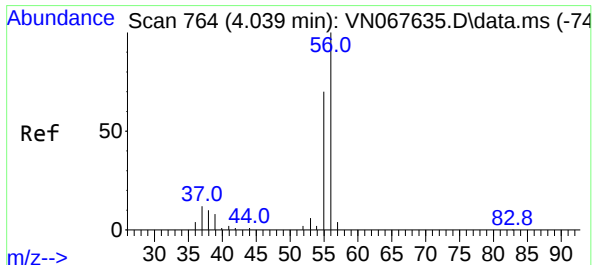
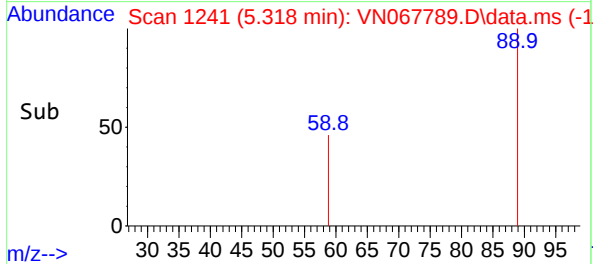
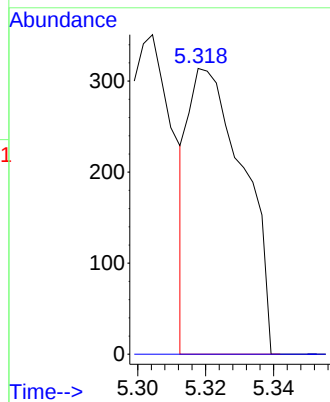
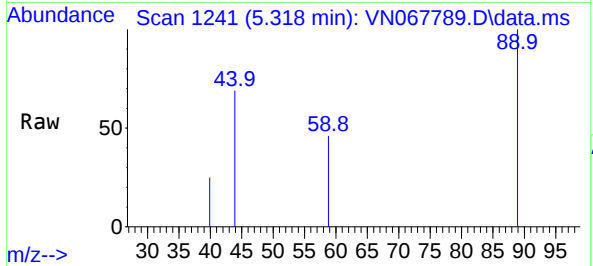




#11
Tert butyl alcohol
Concen: 0.504 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

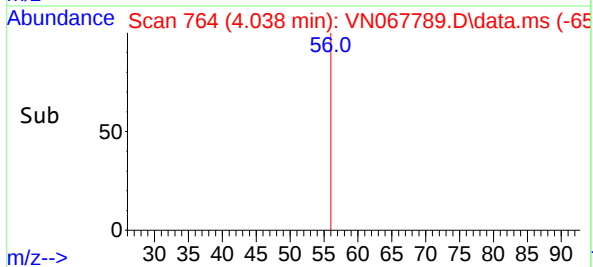
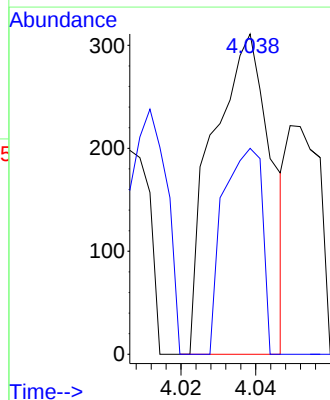
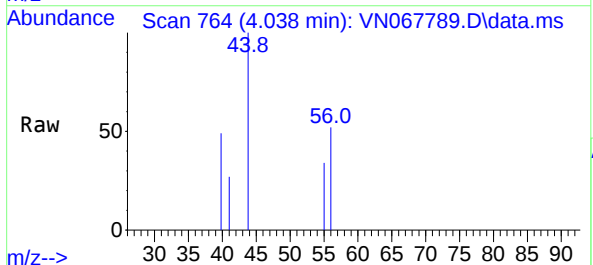
Instrument :
MSVOA_N
ClientSampled :

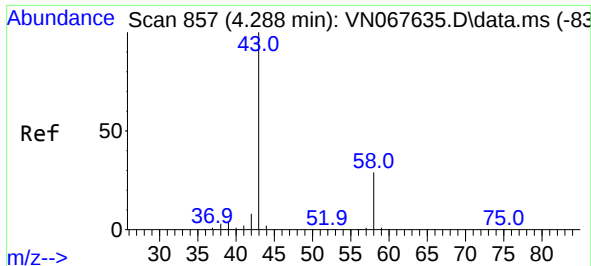
Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 43.2 57.4 86.0#

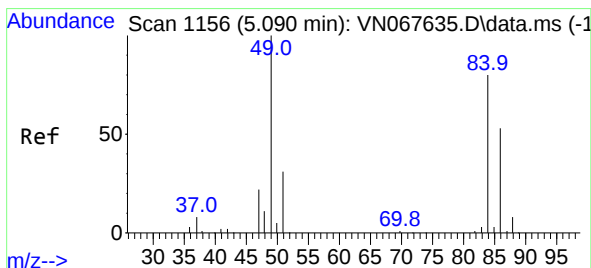
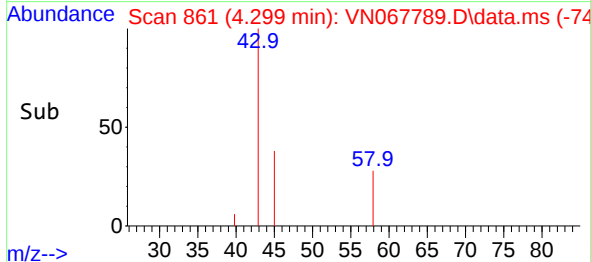
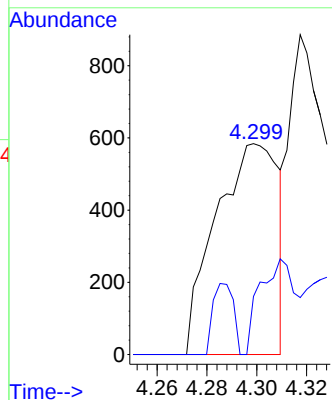
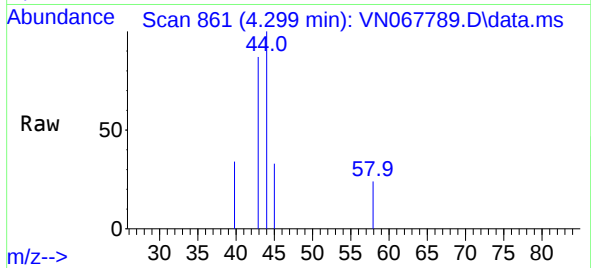




#16
Acetone
Concen: 0.656 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

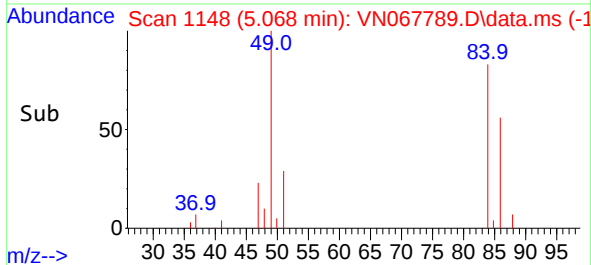
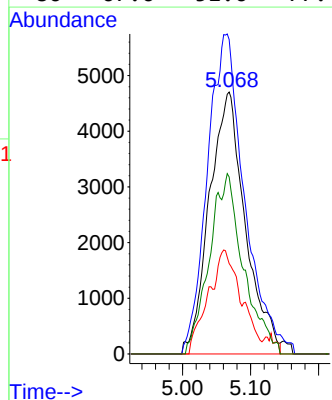
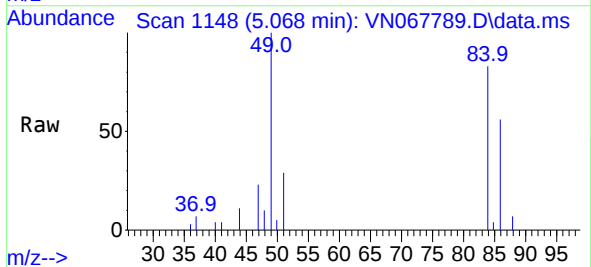
Instrument :
MSVOA_N
ClientSampled :

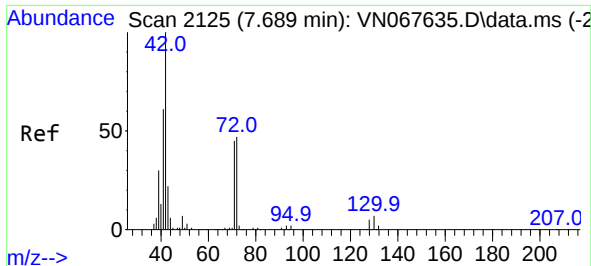
Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8



#20
Methylene Chloride
Concen: 4.164 ug/l
RT: 5.068 min Scan# 1148
Delta R.T. -0.022 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 84 Resp: 17246
Ion Ratio Lower Upper
84 100
49 120.0 110.9 166.3
51 34.5 32.6 49.0
86 67.6 51.6 77.4





#29

Tetrahydrofuran

Concen: 0.632 ug/l

RT: 7.697 min Scan# 2128

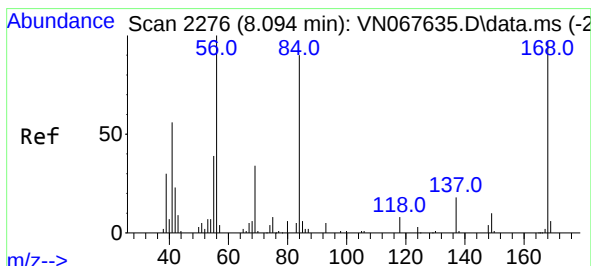
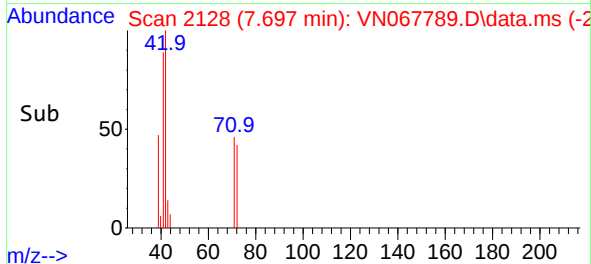
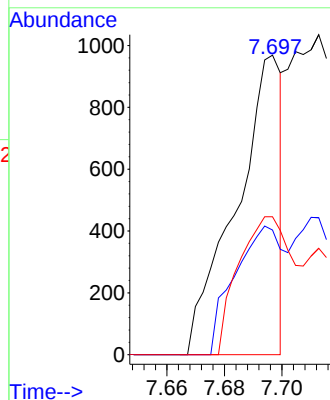
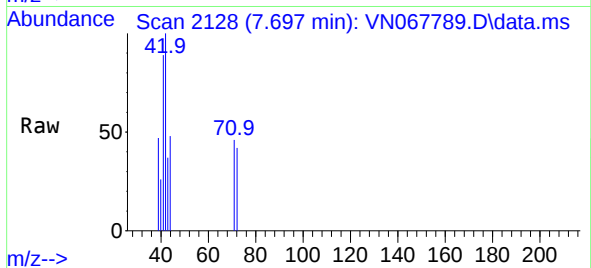
Delta R.T. 0.008 min

Lab File: VN067789.D

Acq: 19 Jul 2021 13:26

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	1062
Ion	Ratio	Lower	Upper
42	100		
72	47.8	32.8	49.2
71	56.7	31.2	46.8



#31

Cyclohexane

Concen: 0.728 ug/l

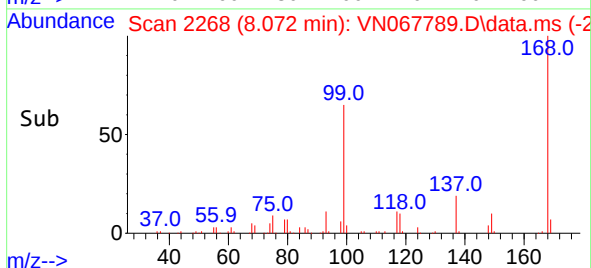
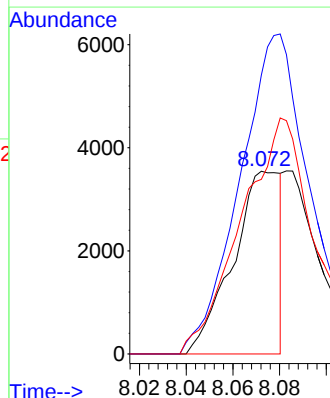
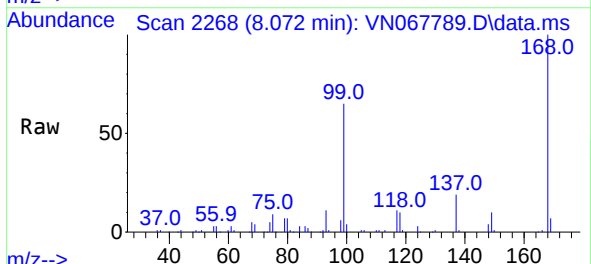
RT: 8.072 min Scan# 2268

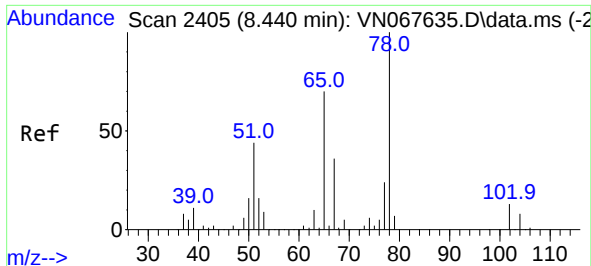
Delta R.T. -0.022 min

Lab File: VN067789.D

Acq: 19 Jul 2021 13:26

Tgt Ion:	56	Resp:	4990
Ion	Ratio	Lower	Upper
56	100		
69	152.6	27.3	40.9
84	95.6	64.9	97.3



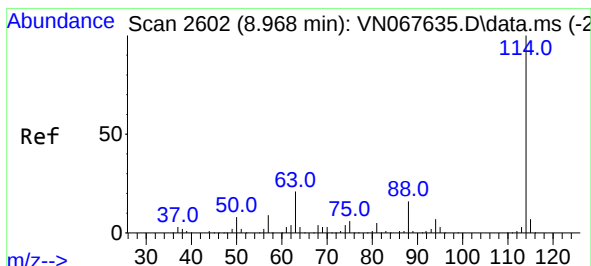
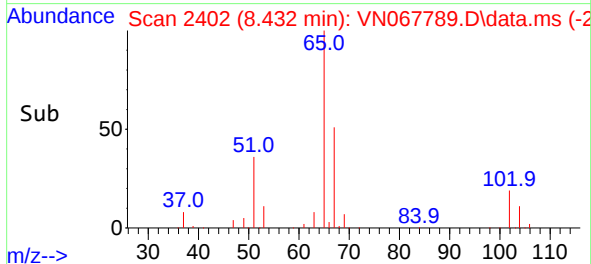
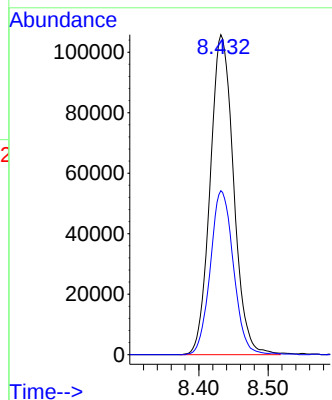
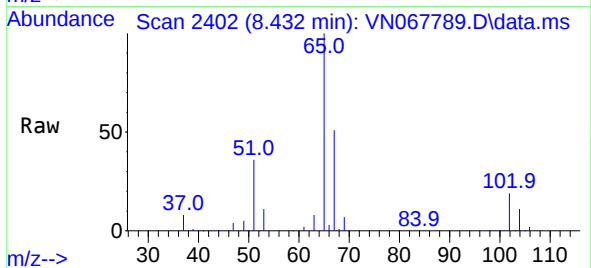


#33

1,2-Dichloroethane-d4
Concen: 50.816 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.008 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Instrument :
MSVOA_N
ClientSampled :

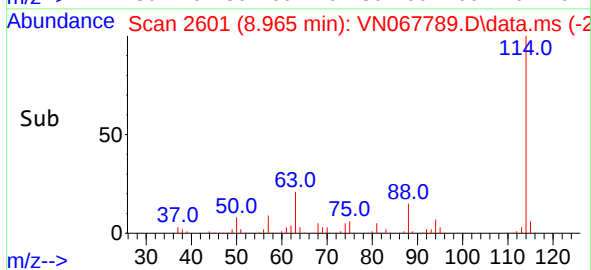
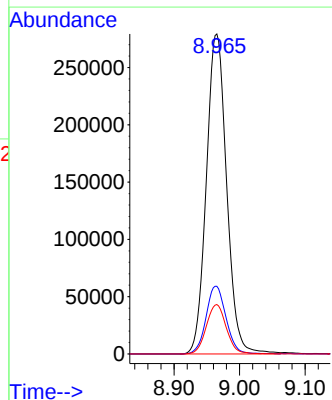
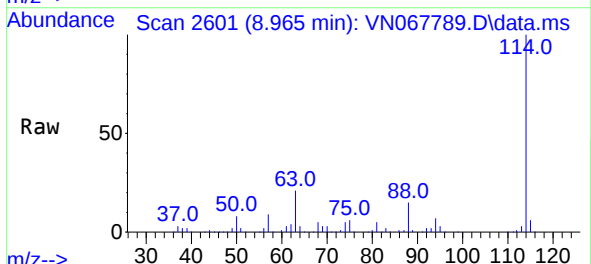
Tgt Ion: 65 Resp: 248472
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

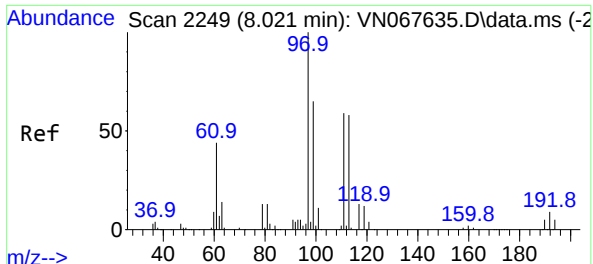


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 114 Resp: 601312
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.5 0.0 36.6

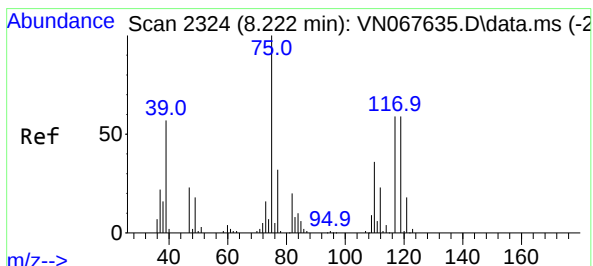
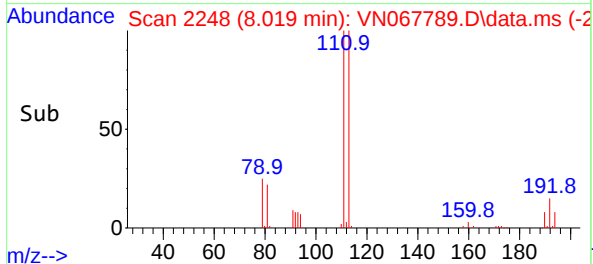
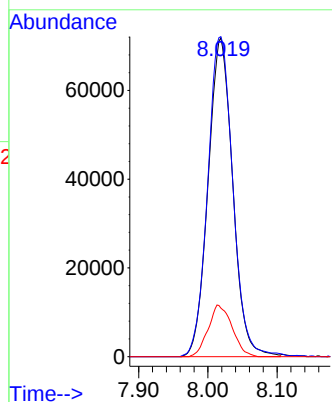
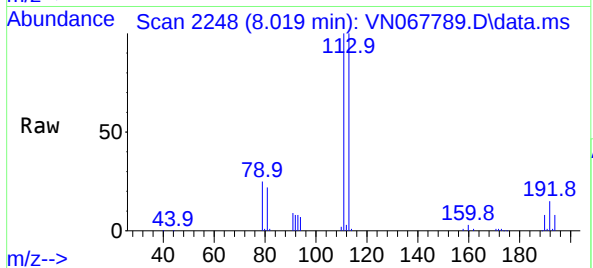




#35
Dibromofluoromethane
Concen: 48.792 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

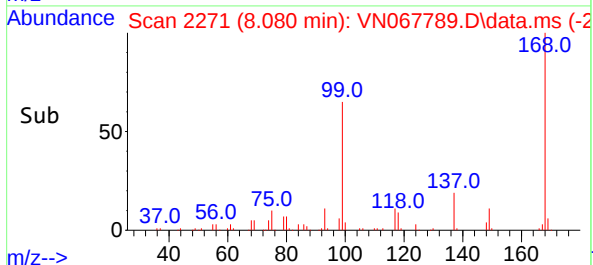
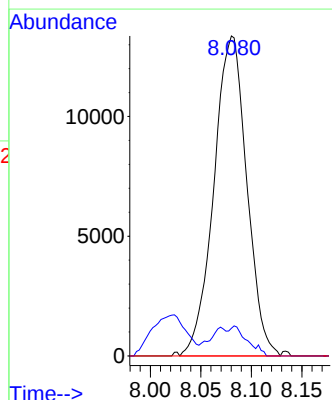
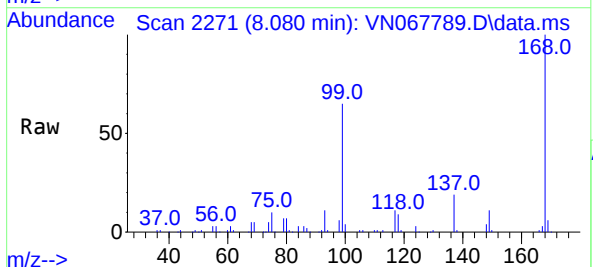
Instrument :
MSVOA_N
ClientSampled :

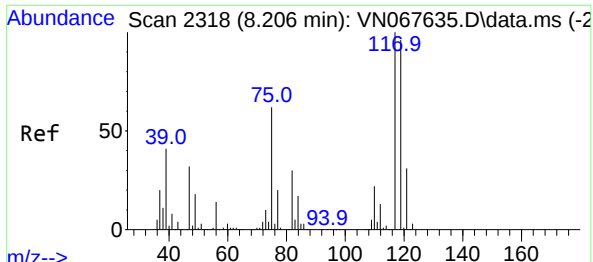
Tgt Ion:113 Resp: 177262
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 15.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

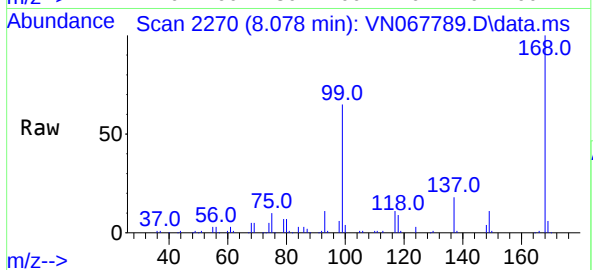
Tgt Ion: 75 Resp: 30253
Ion Ratio Lower Upper
75 100
110 2.2 15.7 47.0#
77 0.0 24.6 37.0#



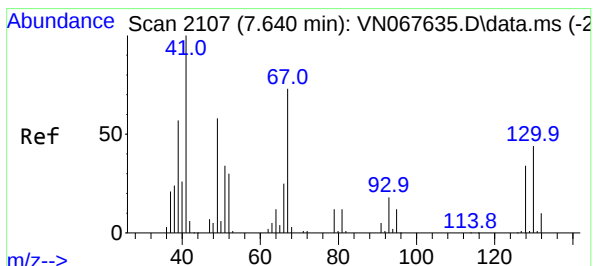
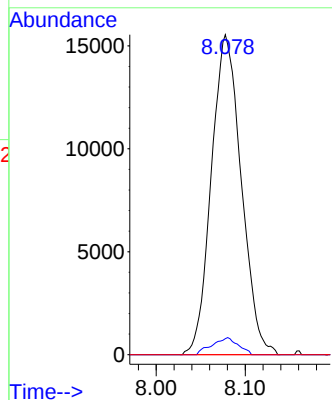
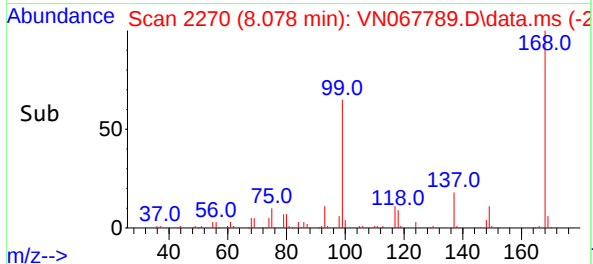


#38
Carbon Tetrachloride
Concen: 6.590 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

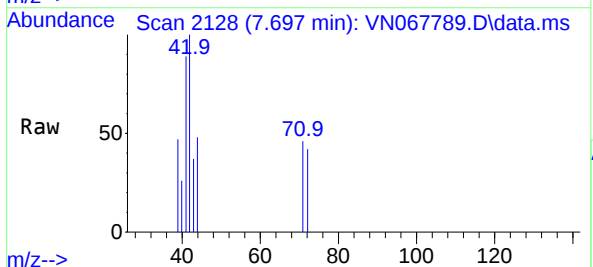
Instrument :
MSVOA_N
ClientSampleId :



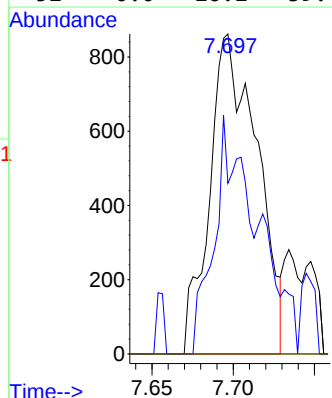
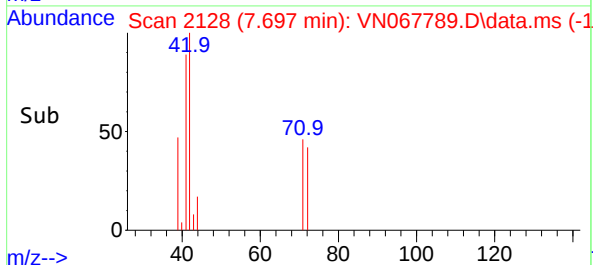
Tgt Ion:117 Resp: 36311
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

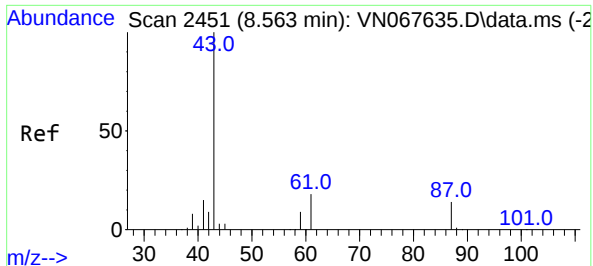


#41
Methacrylonitrile
Concen: 0.630 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.057 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26



Tgt Ion: 41 Resp: 1752
Ion Ratio Lower Upper
41 100
39 27.9 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

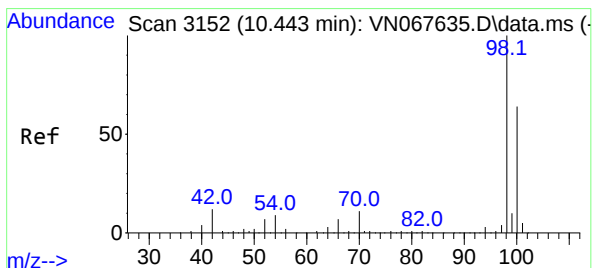
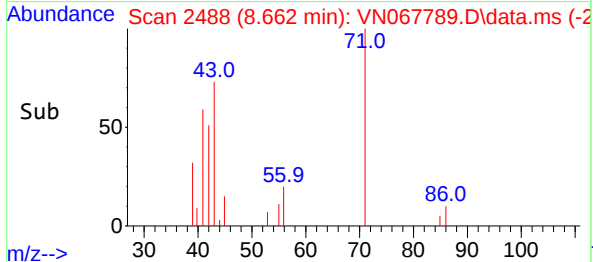
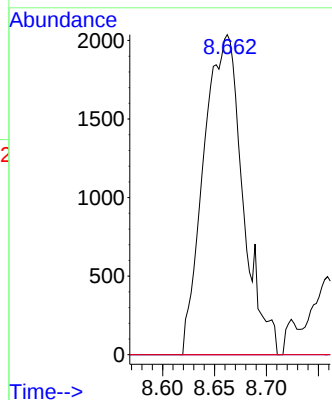
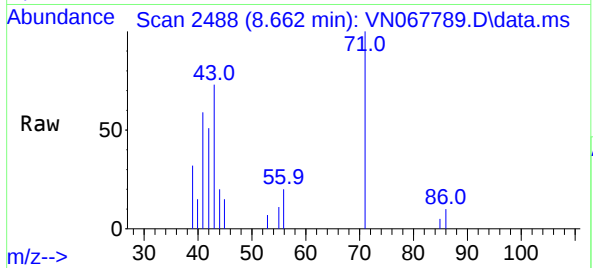




#43
Isopropyl Acetate
Concen: 0.561 ug/l
RT: 8.662 min Scan# 2488
Delta R.T. 0.099 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

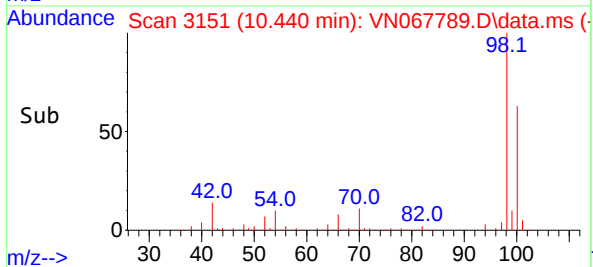
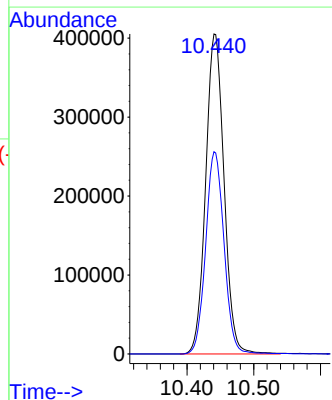
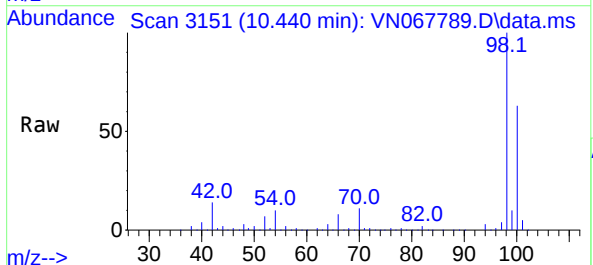
Instrument :
MSVOA_N
ClientSampled :

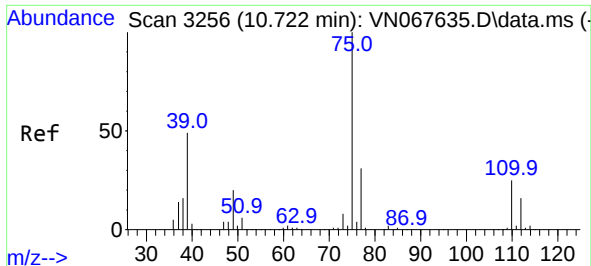
Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.901 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 98 Resp: 774040
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

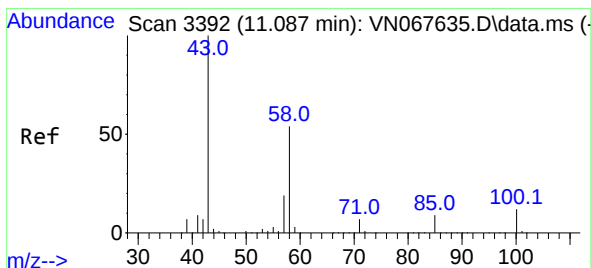
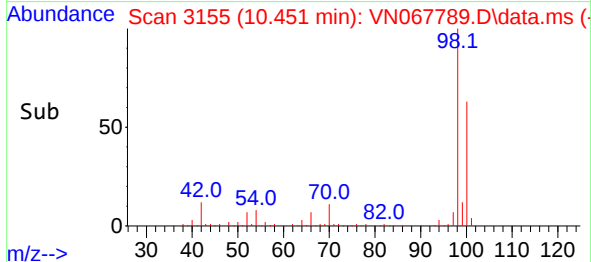
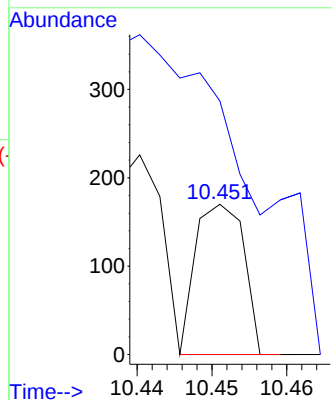
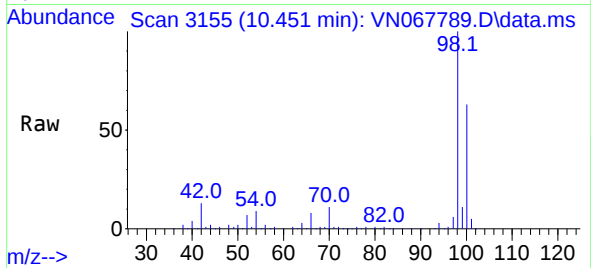




#53
t-1,3-Dichloropropene
Concen: 1.755 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

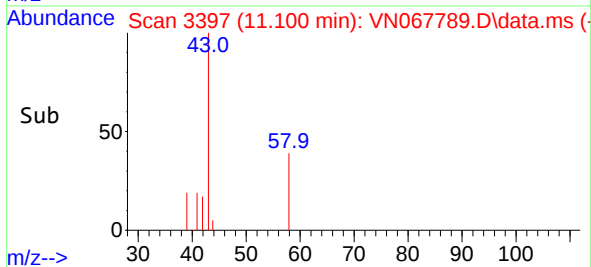
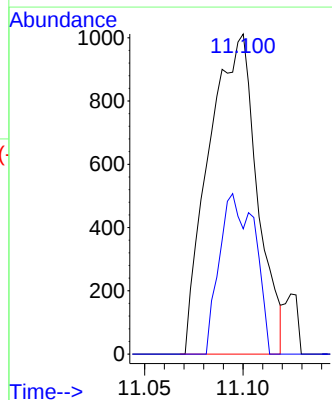
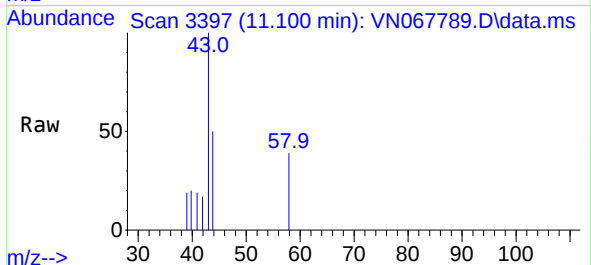
Instrument :
MSVOA_N
ClientSampled :

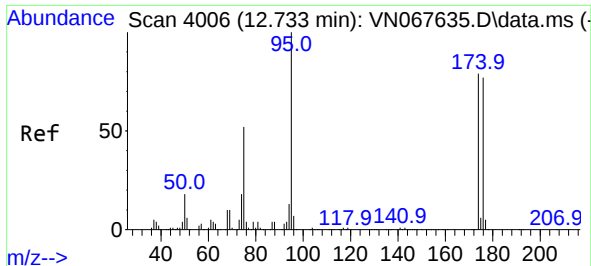
Tgt Ion: 75 Resp: 76
Ion Ratio Lower Upper
75 100
77 65.9 25.1 37.7#



#59
2-Hexanone
Concen: 0.422 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 36.8 24.7 74.1

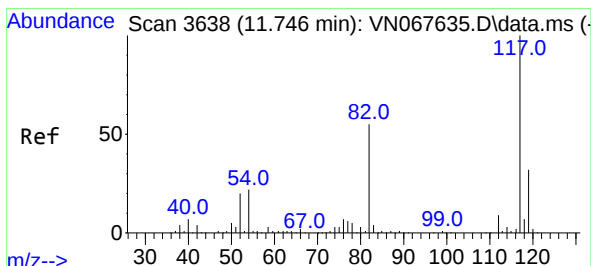
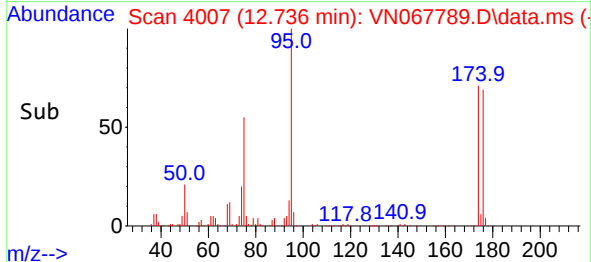
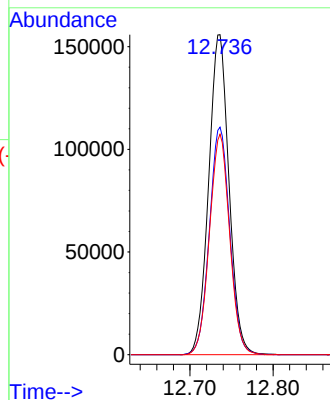
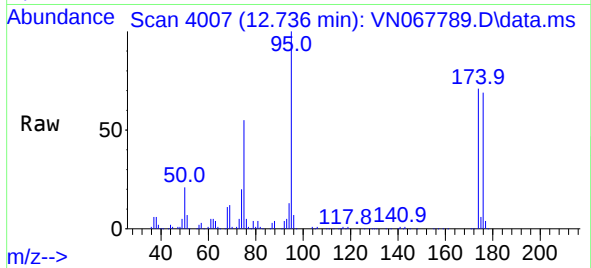




#62
4-Bromofluorobenzene
Concen: 49.186 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

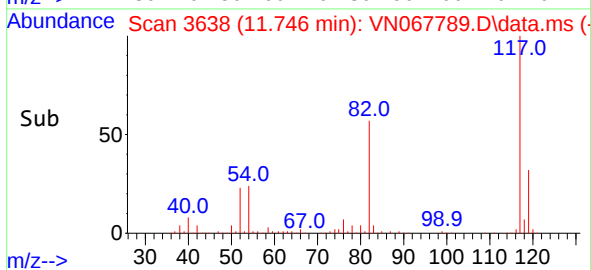
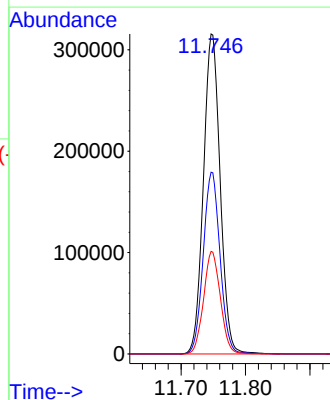
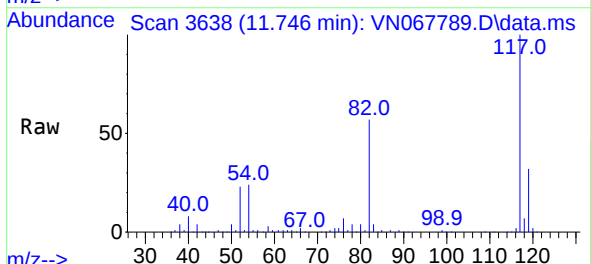
Instrument :
MSVOA_N
ClientSampled :

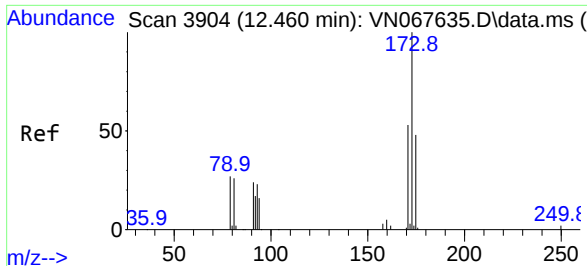
Tgt Ion: 95 Resp: 264220
Ion Ratio Lower Upper
95 100
174 71.5 0.0 122.0
176 68.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion: 117 Resp: 570777
Ion Ratio Lower Upper
117 100
82 56.8 53.1 79.7
119 32.1 25.5 38.3

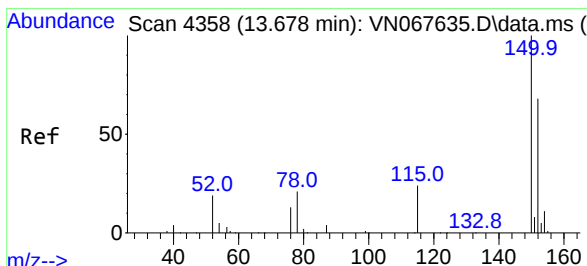
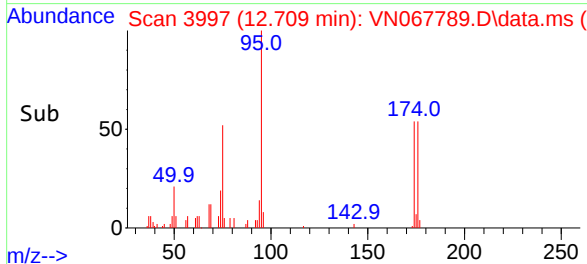
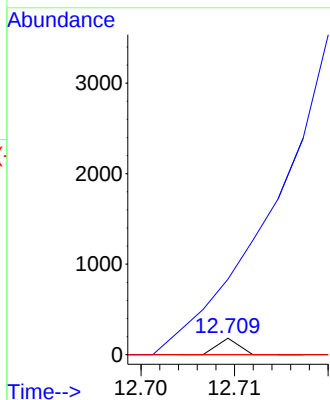
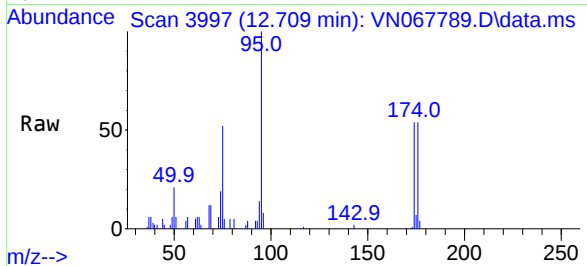




#71
Bromoform
Concen: 3.183 ug/l
RT: 12.709 min Scan# 3997
Delta R.T. 0.249 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

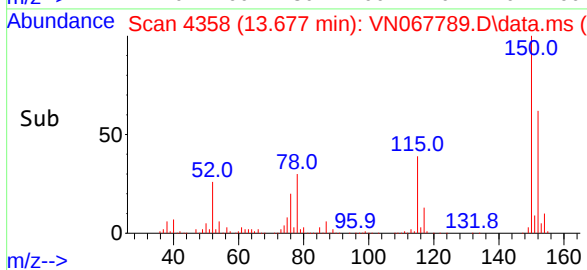
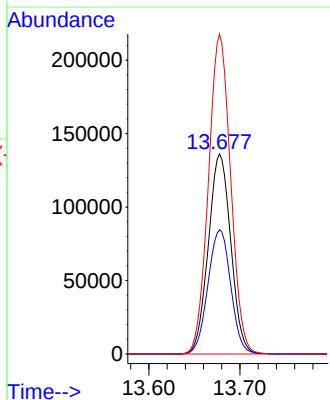
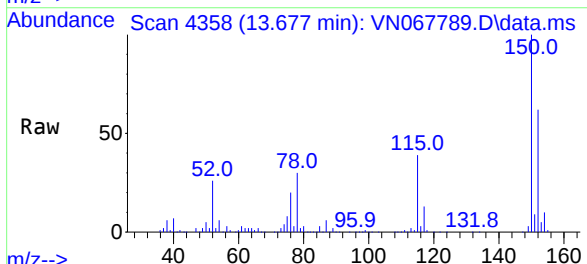
Instrument :
MSVOA_N
ClientSampled :

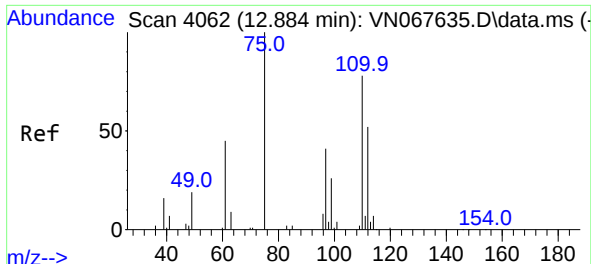
Tgt Ion:173 Resp: 29
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

Tgt Ion:152 Resp: 232863
Ion Ratio Lower Upper
152 100
115 62.9 36.1 108.5
150 157.9 0.0 351.8

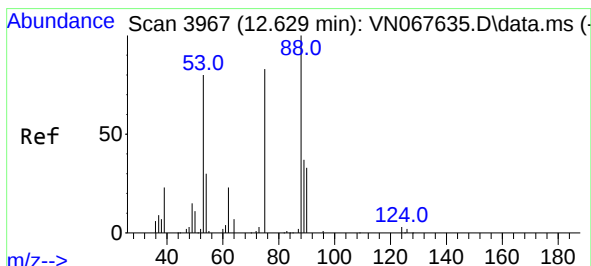
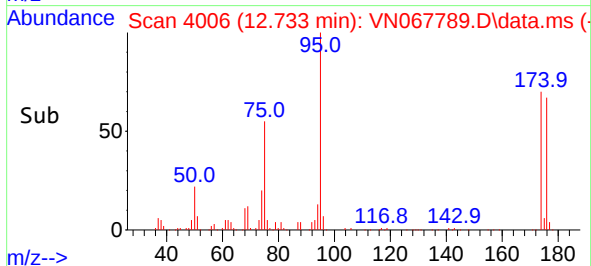
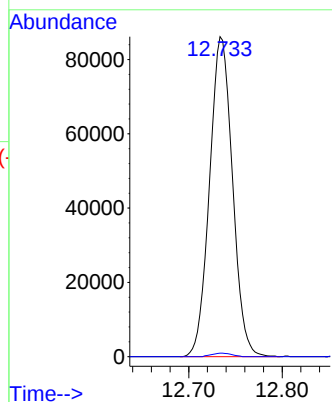
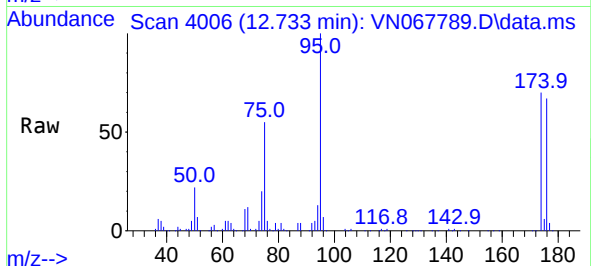




#76
1,2,3-Trichloropropane
Concen: 30.978 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

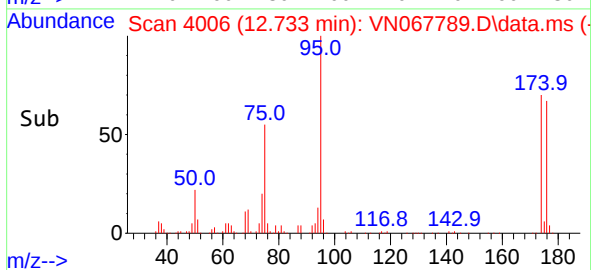
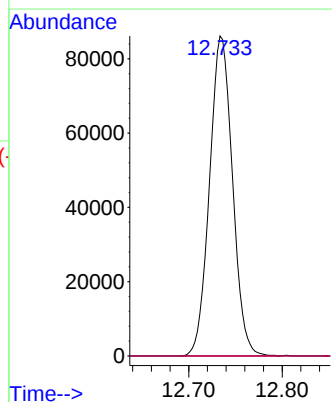
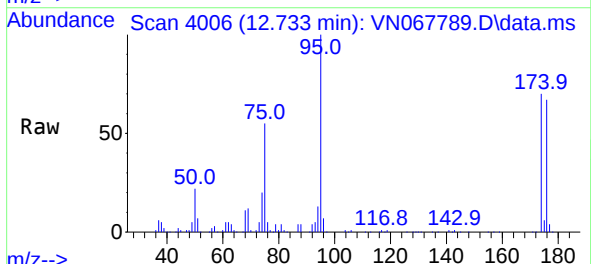
Instrument :
MSVOA_N
ClientSampled :

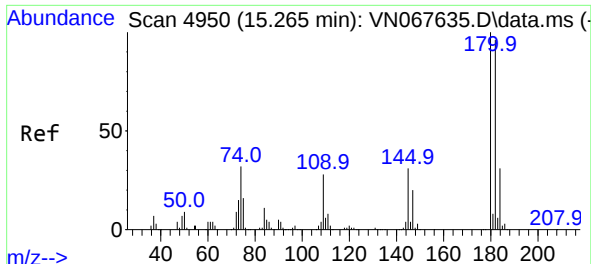
Tgt Ion: 75 Resp: 147313
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.875 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

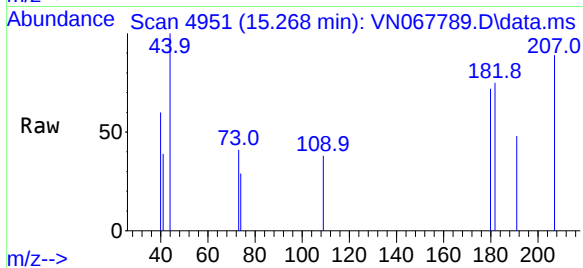
Tgt Ion: 75 Resp: 147313
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



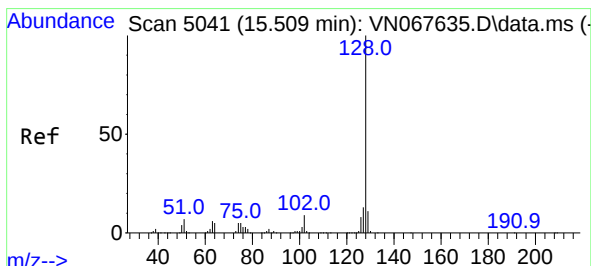
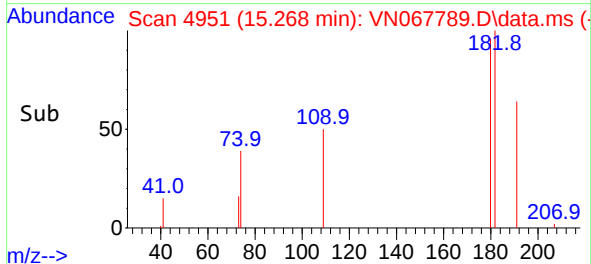
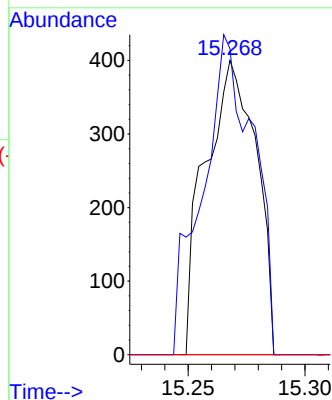


#93
1,2,4-Trichlorobenzene
Concen: 2.823 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26

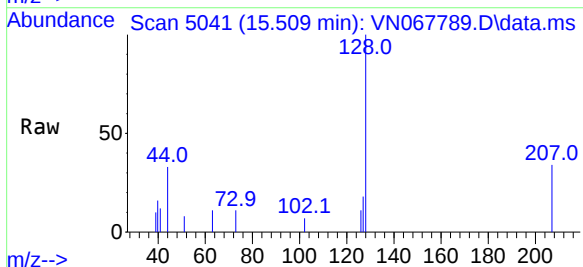
Instrument :
MSVOA_N
ClientSampled :



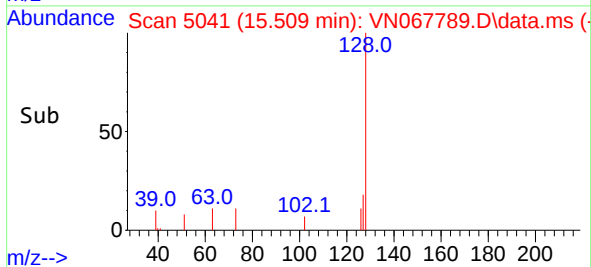
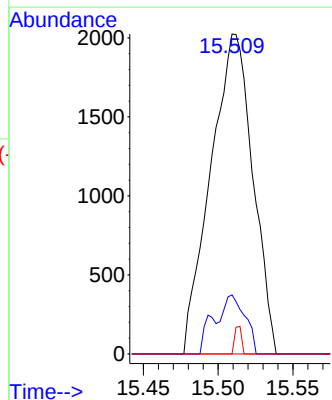
Tgt Ion:180 Resp: 608
Ion Ratio Lower Upper
180 100
182 108.6 47.5 142.5
145 0.0 17.2 51.6#

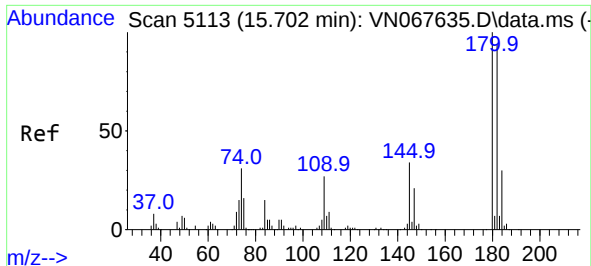


#95
Naphthalene
Concen: 3.339 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067789.D
Acq: 19 Jul 2021 13:26



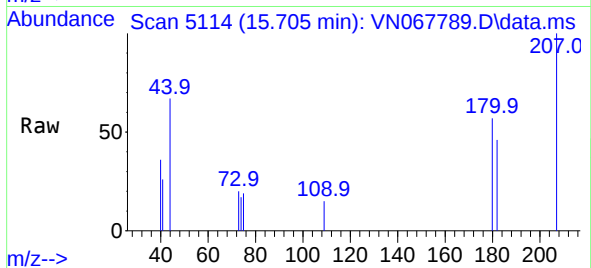
Tgt Ion:128 Resp: 3968
Ion Ratio Lower Upper
128 100
127 10.0 10.6 15.8#
129 1.4 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.801 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067789.D
 Acq: 19 Jul 2021 13:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 663
 Ion Ratio Lower Upper
 180 100
 182 102.9 47.8 143.3
 145 7.4 18.2 54.6#

