

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067794.D
 Acq On : 19 Jul 2021 15:37
 Operator : JC/MD
 Sample : PB137761TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:52:21 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)

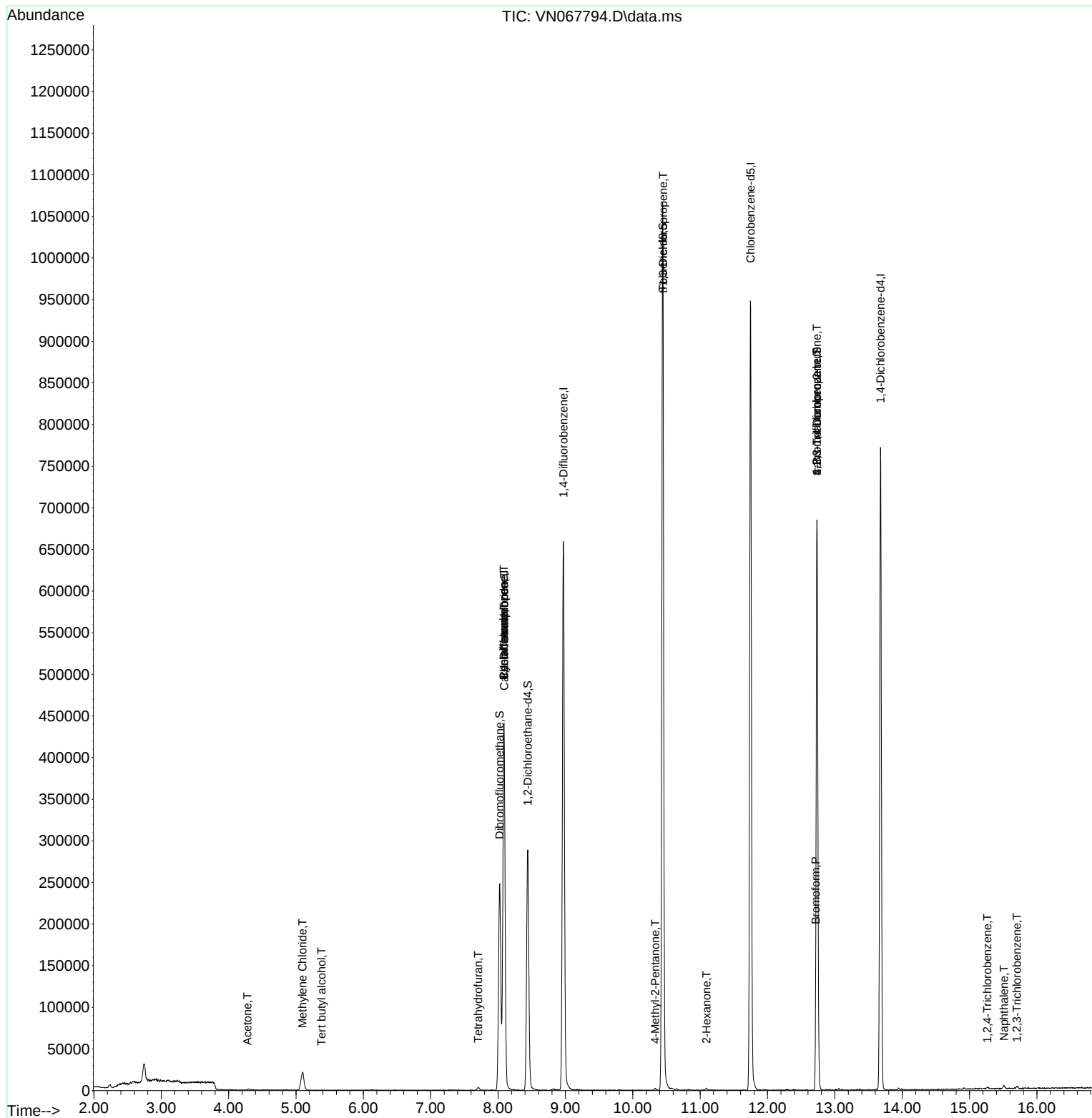
Internal Standards						
1) Pentafluorobenzene	8.088	168	319667	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	589946	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	546425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	196586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	247543	51.239	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 102.480%		
35) Dibromofluoromethane	8.024	113	178233	50.005	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.000%		
50) Toluene-d8	10.446	98	742397	49.761	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 99.520%		
62) 4-Bromofluorobenzene	12.733	95	241281	45.781	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 91.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.802	94	175	Below Cal	#	4
6) Chloroethane	3.001	64	50	Below Cal	#	44
11) Tert butyl alcohol	5.379	59	160	0.230	ug/l #	71
13) Acrolein	4.033	56	84	Below Cal	#	52
16) Acetone	4.280	43	870	0.572	ug/l #	48
20) Methylene Chloride	5.095	84	16958	4.140	ug/l	89
29) Tetrahydrofuran	7.705	42	2894	1.743	ug/l #	73
31) Cyclohexane	8.088	56	8738	1.290	ug/l #	39
36) 1,1-Dichloropropene	8.088	75	28536	5.207	ug/l #	52
38) Carbon Tetrachloride	8.091	117	35159	6.504	ug/l #	17
51) 4-Methyl-2-Pentanone	10.336	43	2102	0.366	ug/l #	56
53) t-1,3-Dichloropropene	10.451	75	33	1.749	ug/l	98
59) 2-Hexanone	11.095	43	1761	0.440	ug/l	92
71) Bromoform	12.715	173	174	3.222	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	136948	34.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	136948	109.981	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	911	2.938	ug/l #	79
95) Naphthalene	15.509	128	4385	3.440	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.702	180	1029	2.943	ug/l #	16

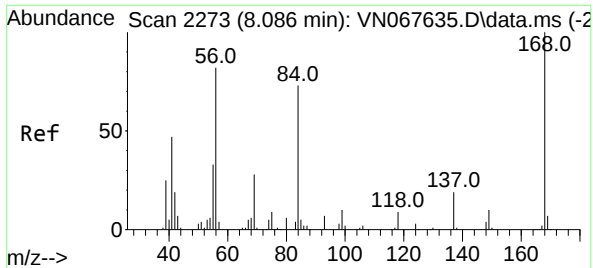
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

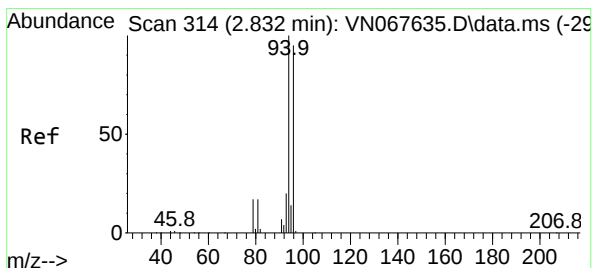
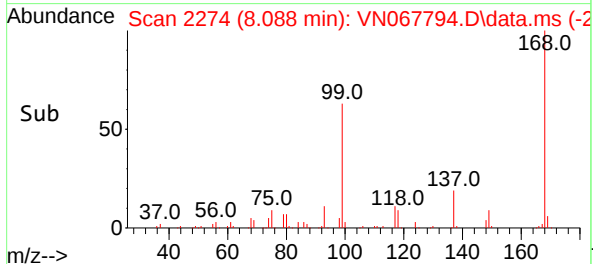
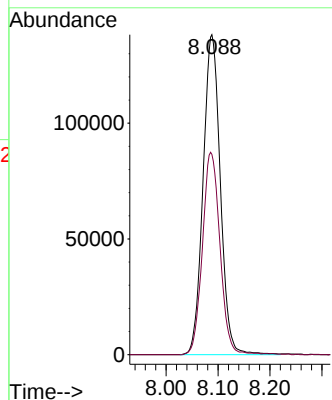
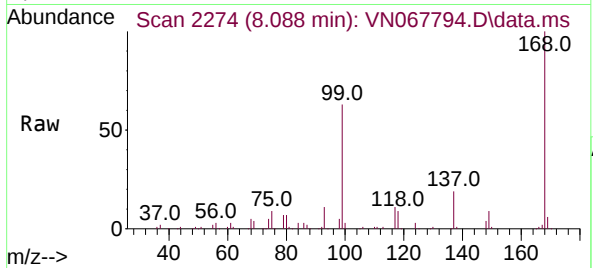




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

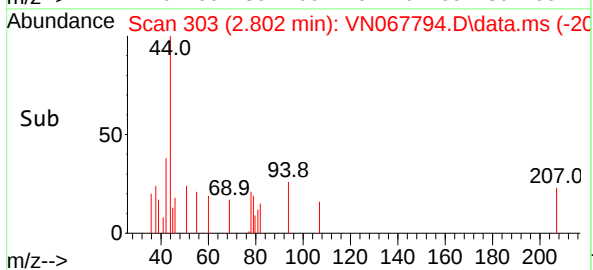
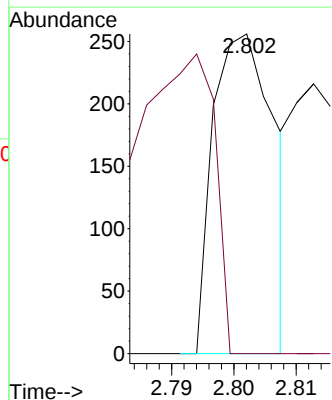
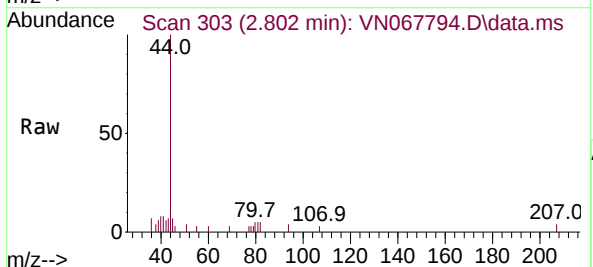
Instrument :
MSVOA_N
ClientSampled :

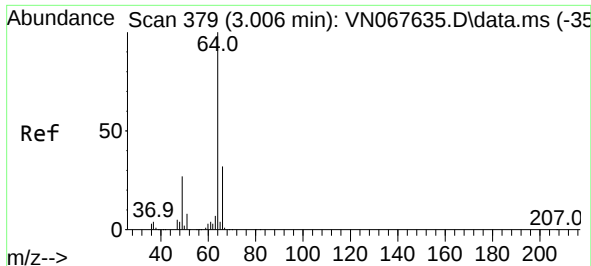
Tgt Ion:168 Resp: 319667
Ion Ratio Lower Upper
168 100
99 62.6 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.802 min Scan# 303
Delta R.T. -0.030 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

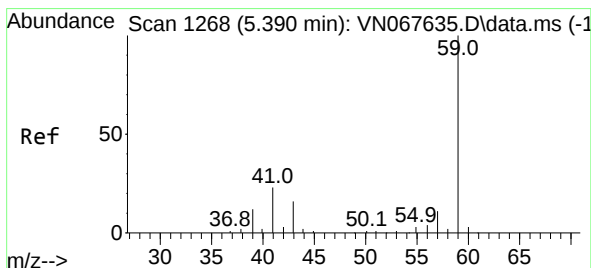
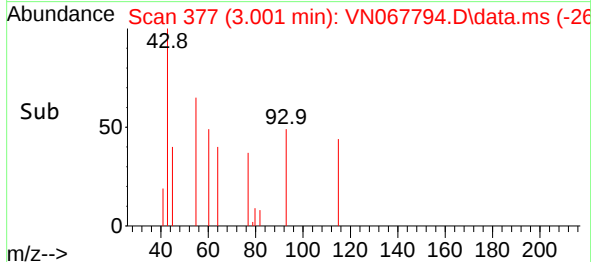
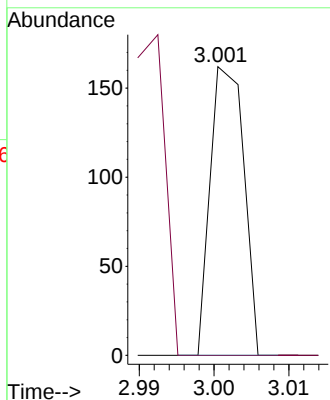
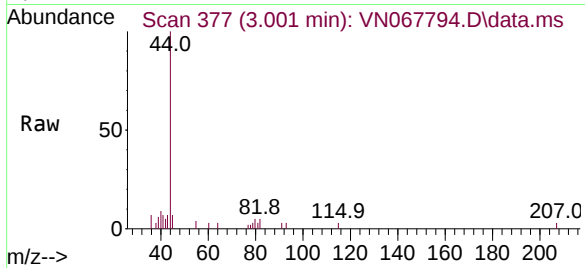




#6
Chloroethane
Concen: Below Cal
RT: 3.001 min Scan# 377
Delta R.T. -0.005 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

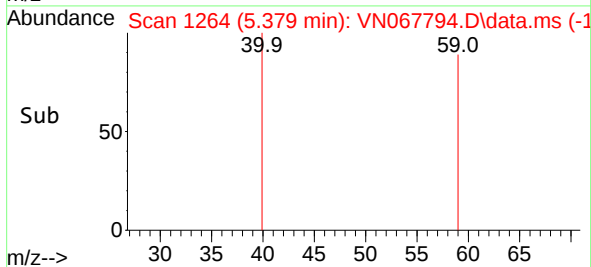
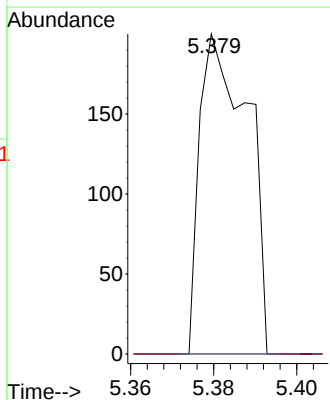
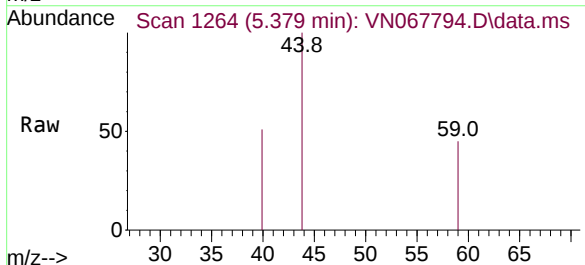
Instrument :
MSVOA_N
ClientSampled :

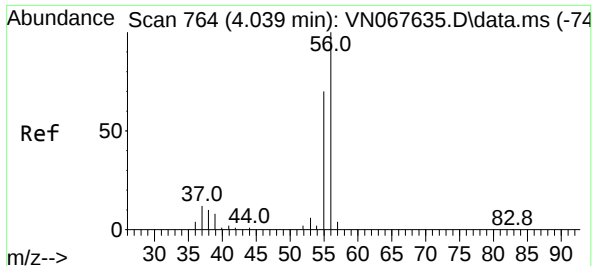
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 5.379 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

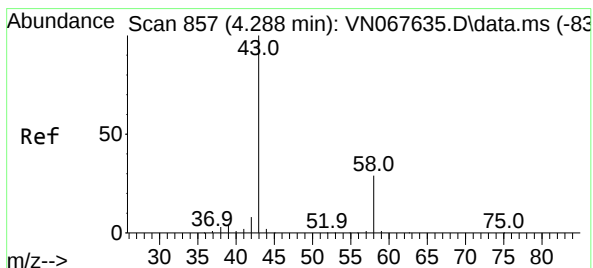
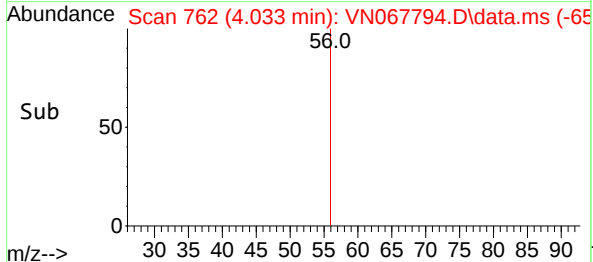
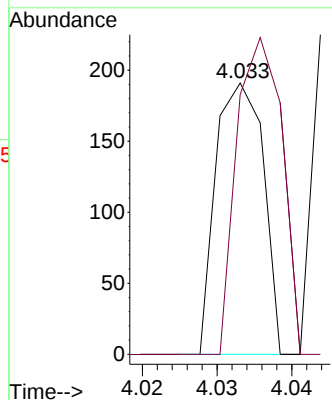
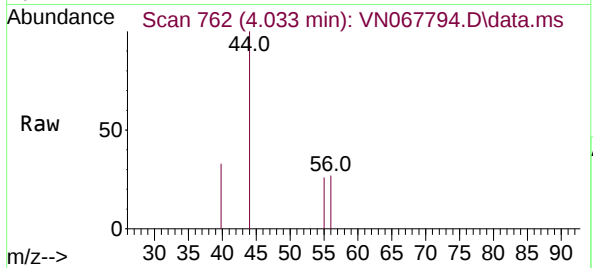




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

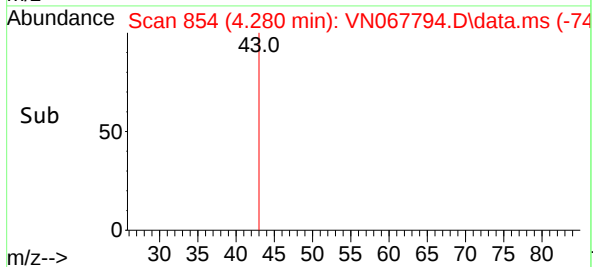
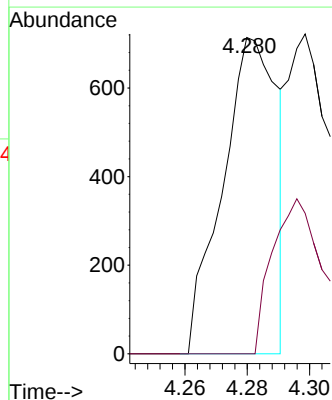
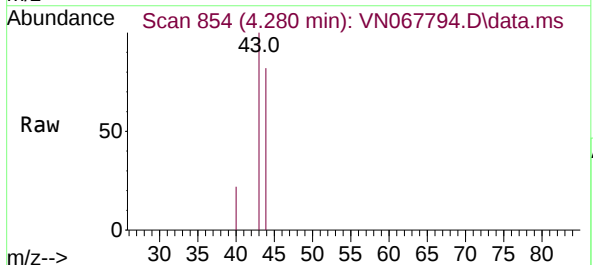
Instrument :
MSVOA_N
ClientSampled :

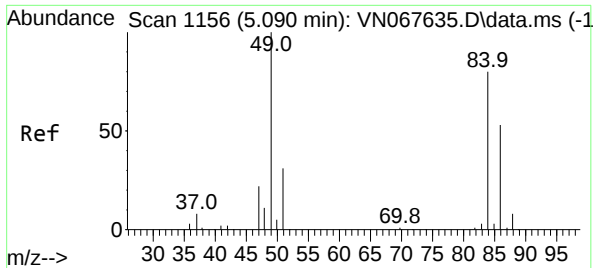
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 111.9 57.4 86.0#



#16
Acetone
Concen: 0.572 ug/l
RT: 4.280 min Scan# 854
Delta R.T. -0.008 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

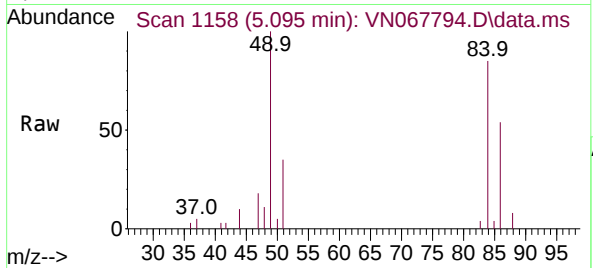
Tgt Ion: 43 Resp: 870
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



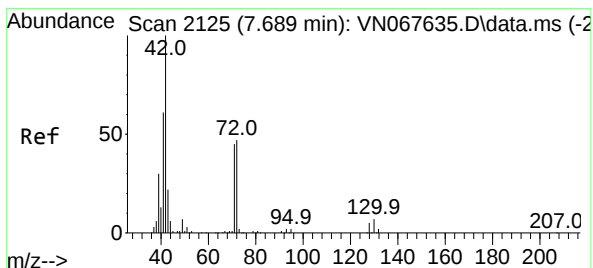
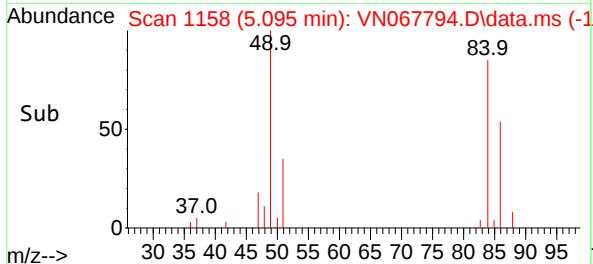
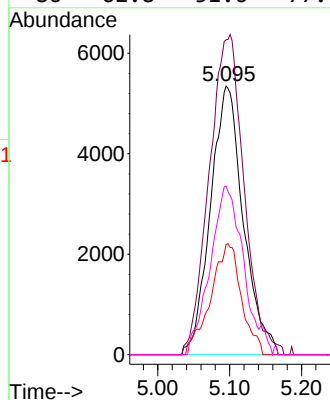


#20
Methylene Chloride
Concen: 4.140 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.005 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

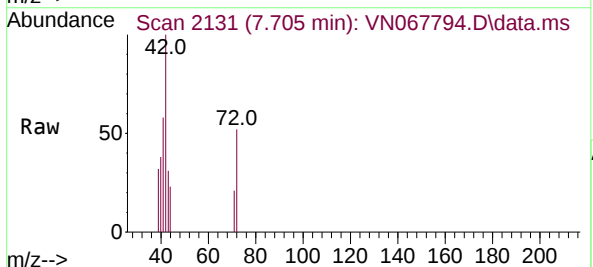
Instrument :
MSVOA_N
ClientSampled :



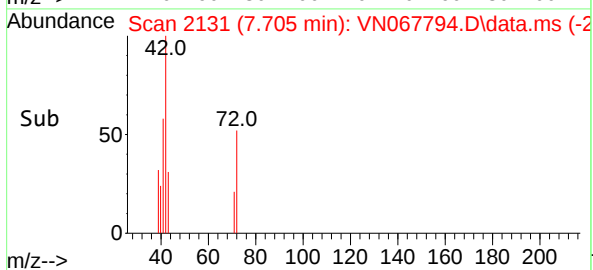
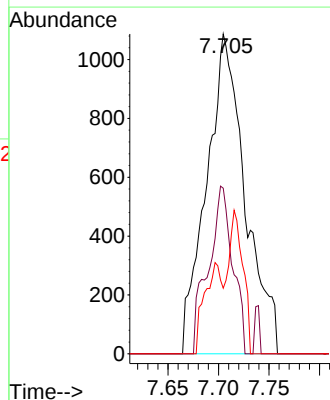
Tgt Ion:	84	Resp:	16958
Ion	Ratio	Lower	Upper
84	100		
49	117.2	110.9	166.3
51	41.1	32.6	49.0
86	62.8	51.6	77.4

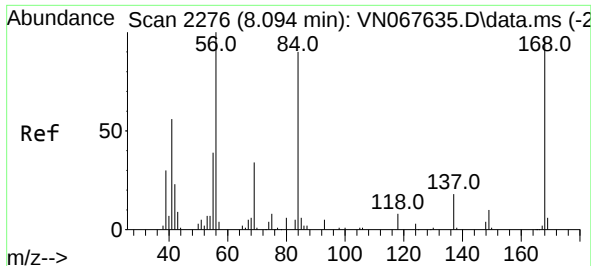


#29
Tetrahydrofuran
Concen: 1.743 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37



Tgt Ion:	42	Resp:	2894
Ion	Ratio	Lower	Upper
42	100		
72	33.1	32.8	49.2
71	12.9	31.2	46.8#

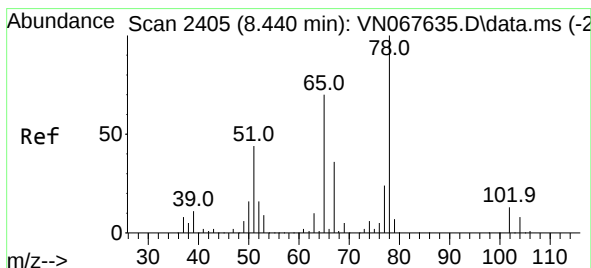
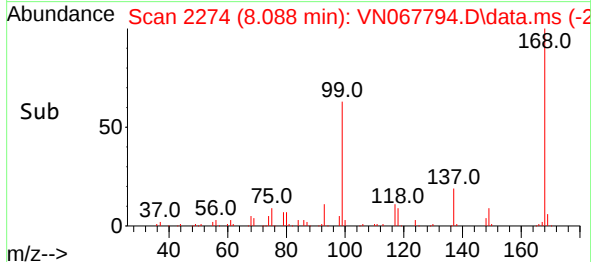
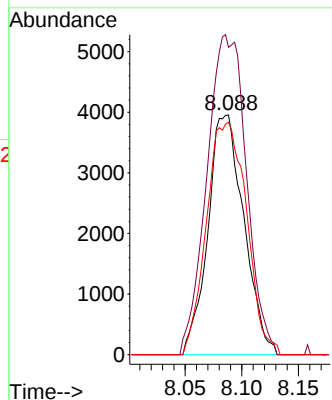
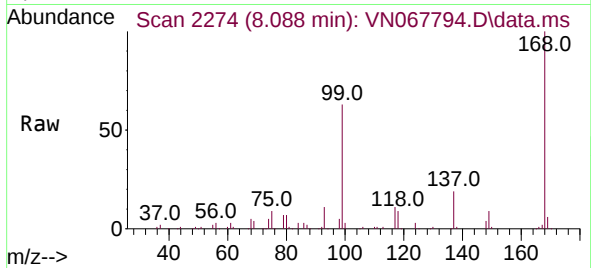




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

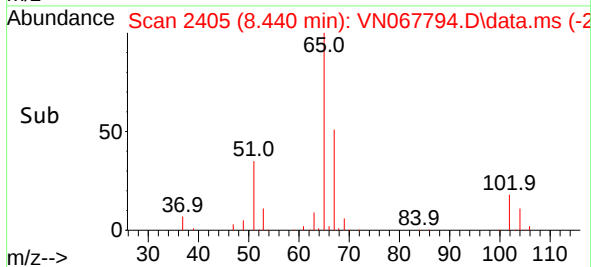
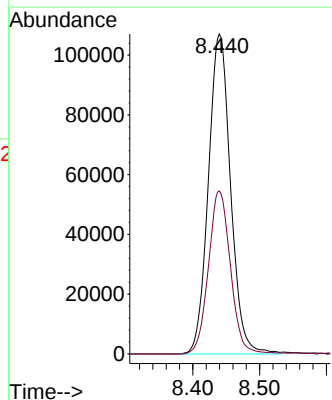
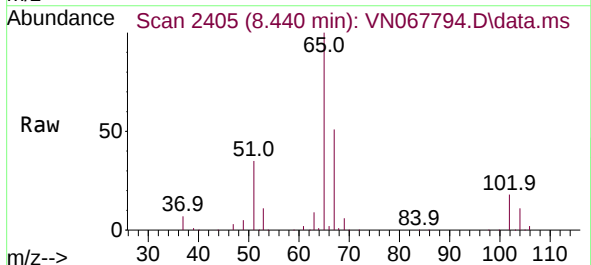
Instrument :
MSVOA_N
ClientSampled :

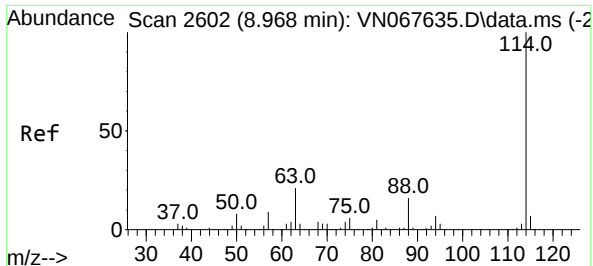
Tgt Ion: 56 Resp: 8738
Ion Ratio Lower Upper
56 100
69 128.3 27.3 40.9#
84 97.0 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.239 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 65 Resp: 247543
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

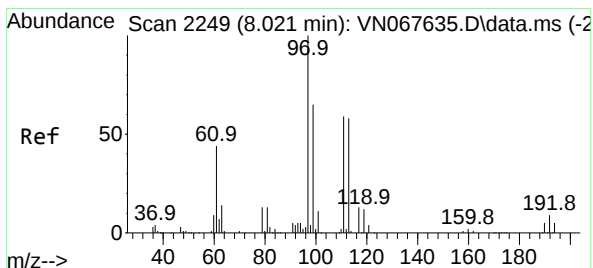
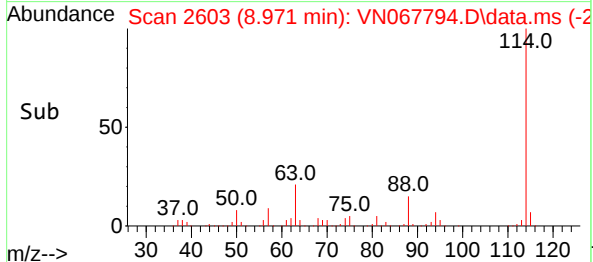
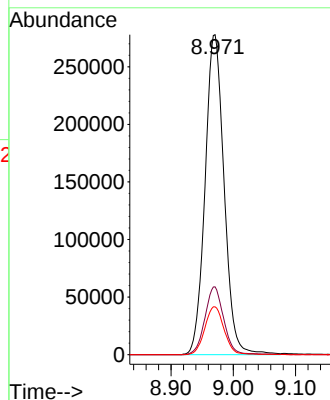
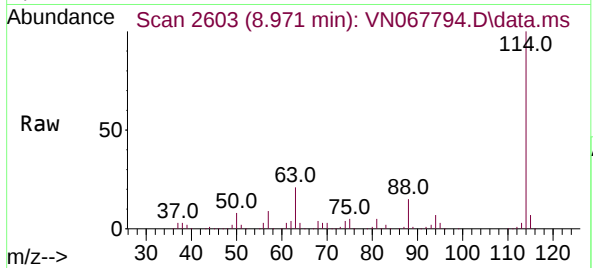




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

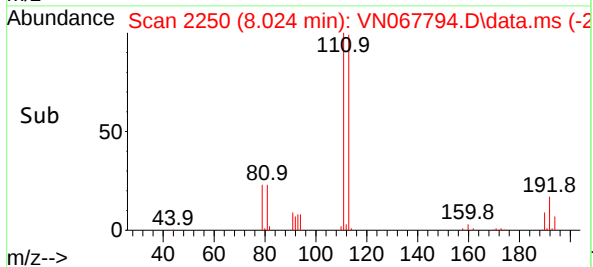
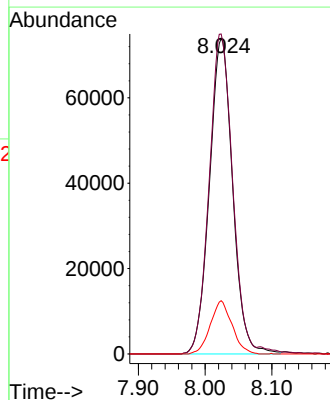
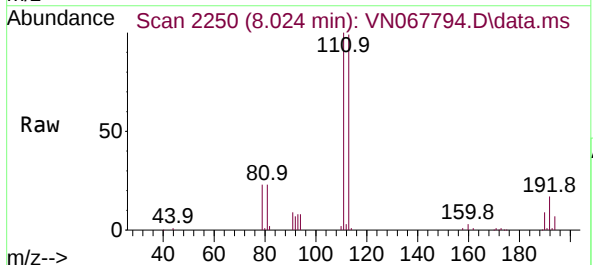
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MSVOA_N
ClientSampled :

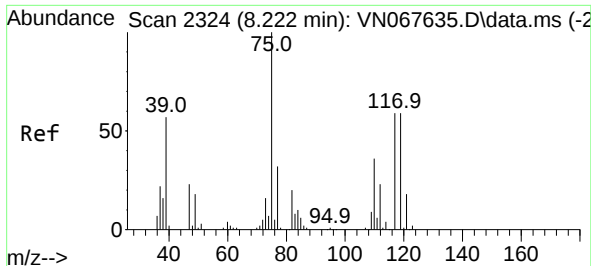
Tgt Ion:114 Resp: 589946
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.005 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion:113 Resp: 178233
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.8
192 15.8 13.4 20.0

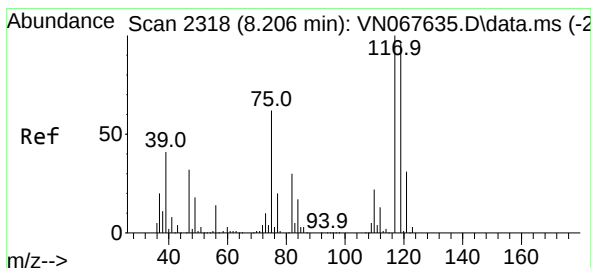
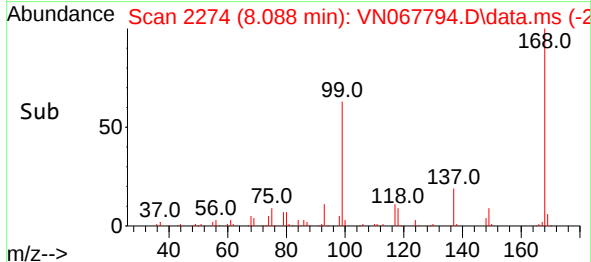
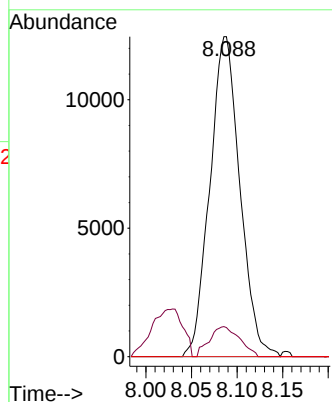
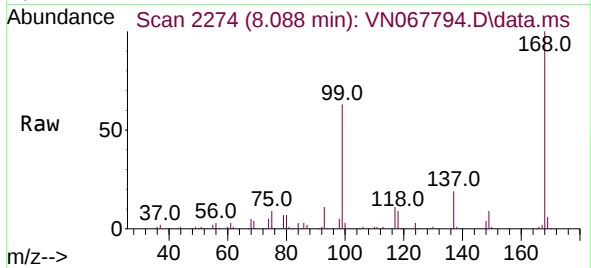




#36
1,1-Dichloropropene
Concen: 5.207 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

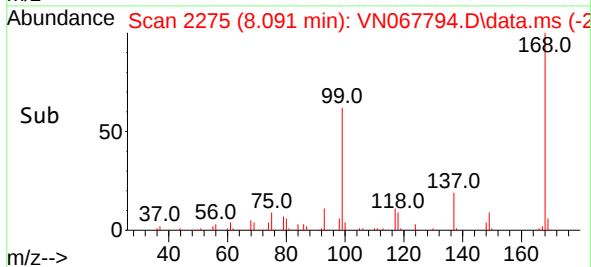
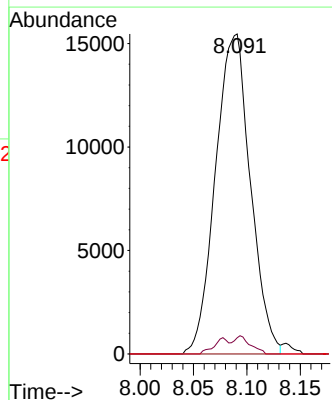
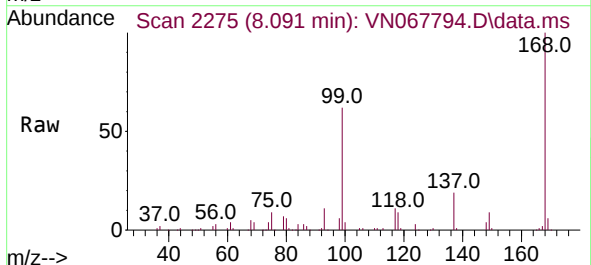
Instrument :
MSVOA_N
ClientSampled :

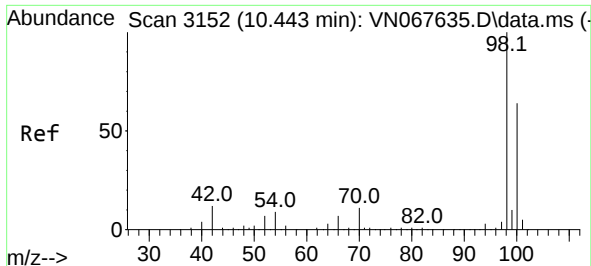
Tgt Ion: 75 Resp: 28536
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.504 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 117 Resp: 35159
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 49.761 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067794.D

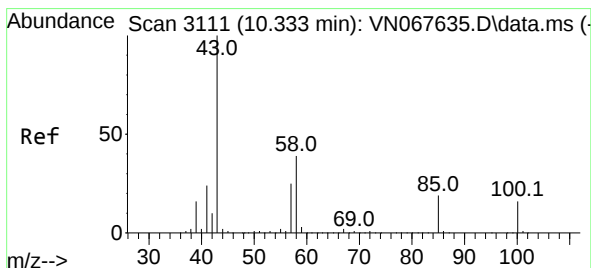
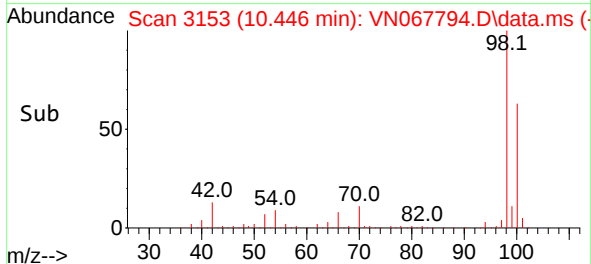
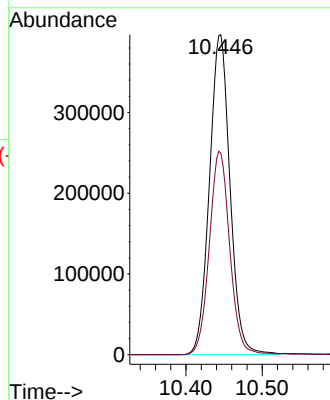
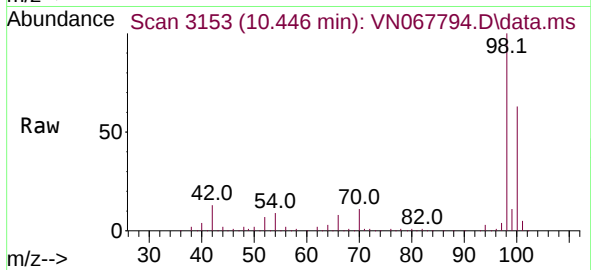
Acq: 19 Jul 2021 15:37

Tgt Ion: 98 Resp: 742397

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.366 ug/l

RT: 10.336 min Scan# 3112

Delta R.T. 0.003 min

Lab File: VN067794.D

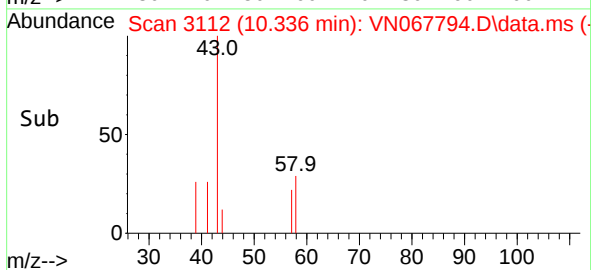
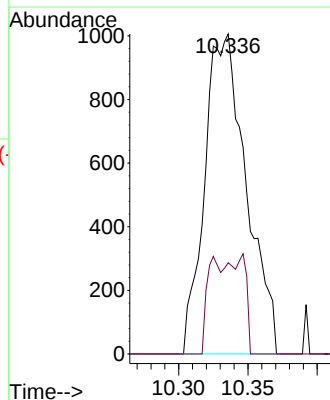
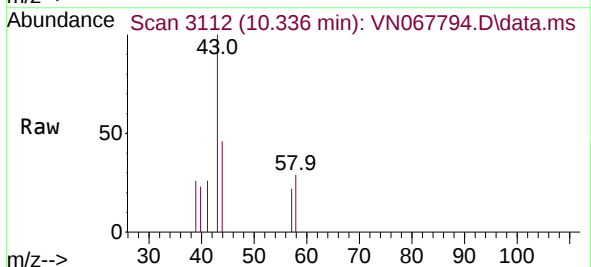
Acq: 19 Jul 2021 15:37

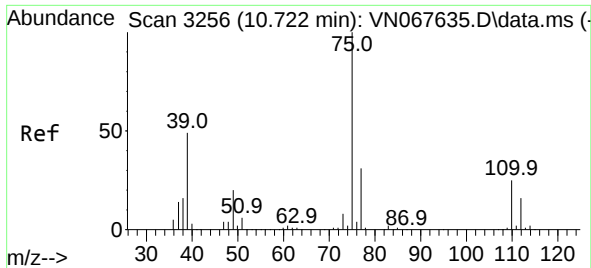
Tgt Ion: 43 Resp: 2102

Ion Ratio Lower Upper

43 100

58 10.1 28.6 43.0#

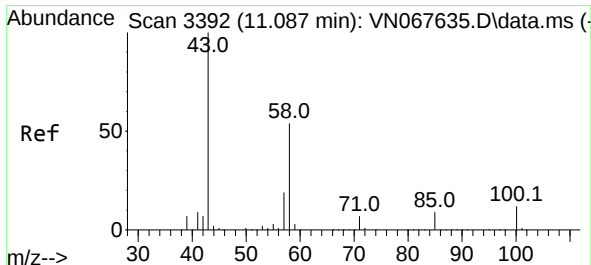
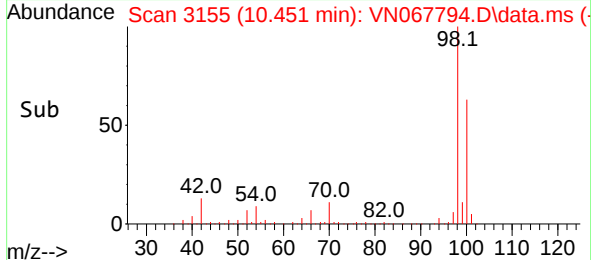
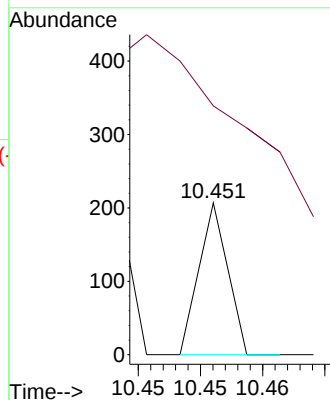
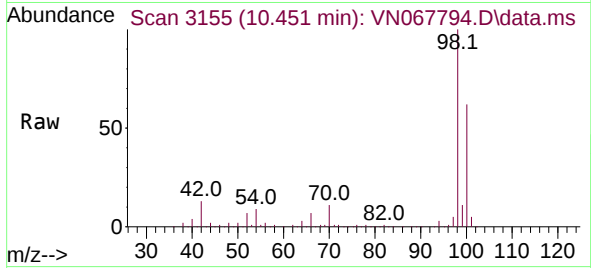




#53
t-1,3-Dichloropropene
Concen: 1.749 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

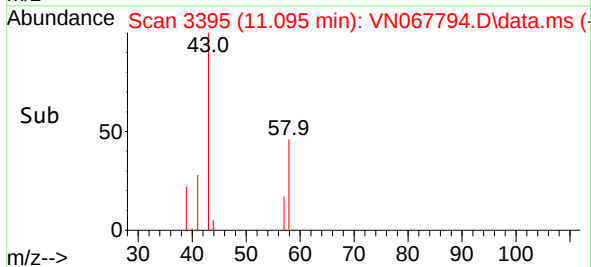
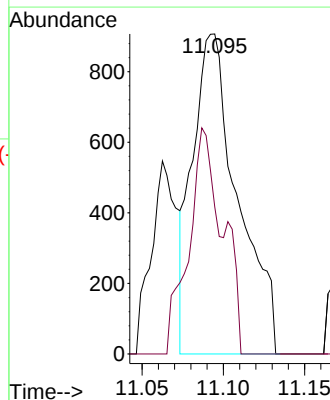
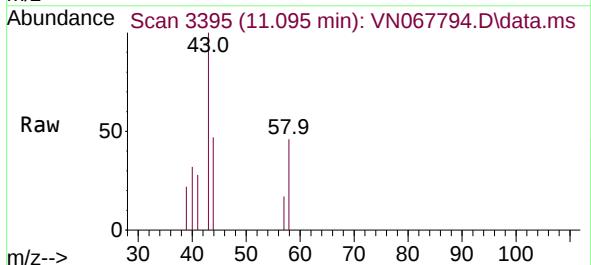
Instrument :
MSVOA_N
ClientSampled :

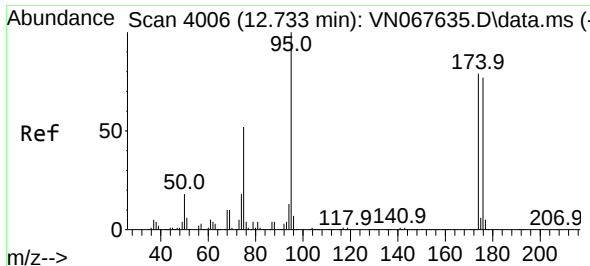
Tgt Ion: 75 Resp: 33
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7



#59
2-Hexanone
Concen: 0.440 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 44.0 24.7 74.1

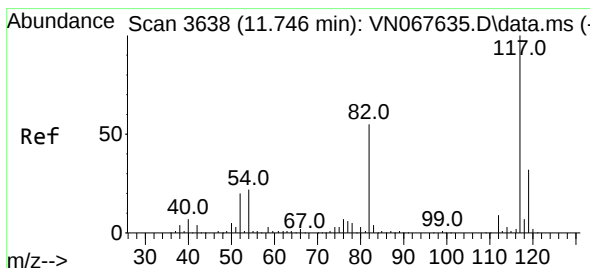
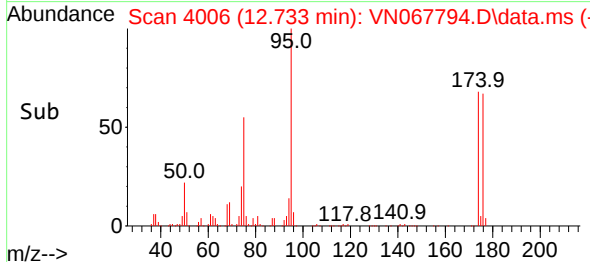
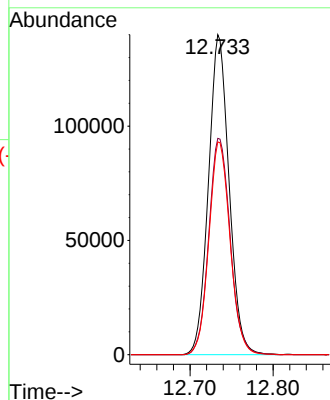
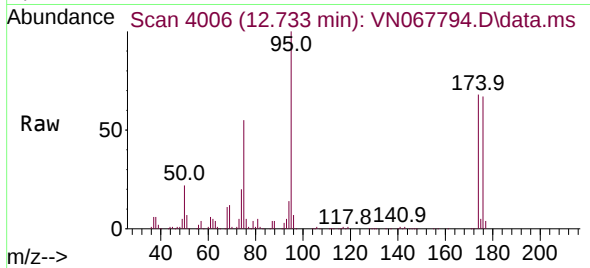




#62
4-Bromofluorobenzene
Concen: 45.781 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

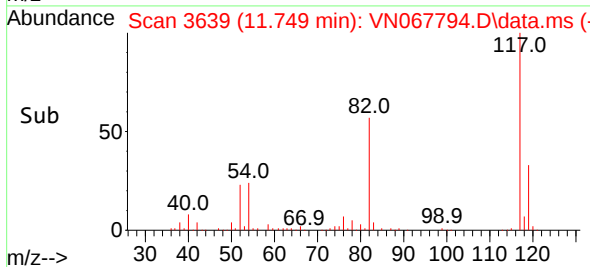
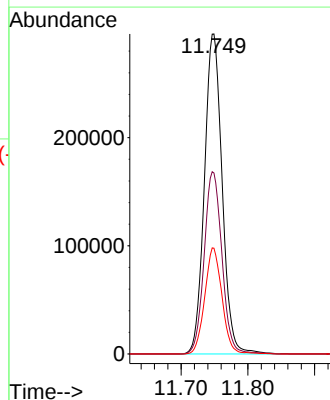
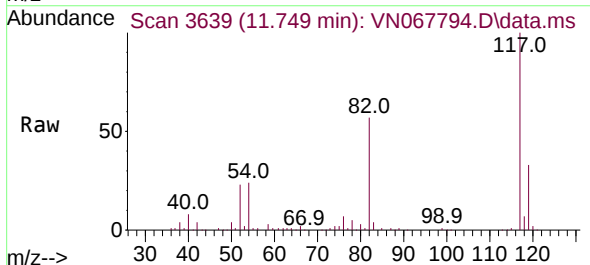
Instrument :
MSVOA_N
ClientSampled :

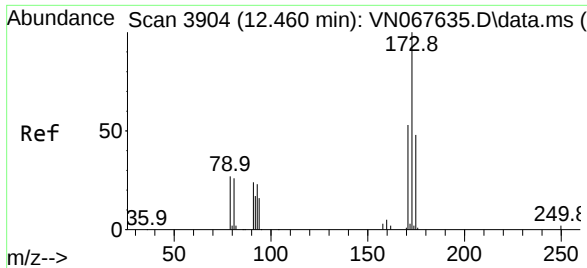
Tgt Ion: 95 Resp: 241281
Ion Ratio Lower Upper
95 100
174 70.3 0.0 122.0
176 68.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 117 Resp: 546425
Ion Ratio Lower Upper
117 100
82 56.5 53.1 79.7
119 33.0 25.5 38.3

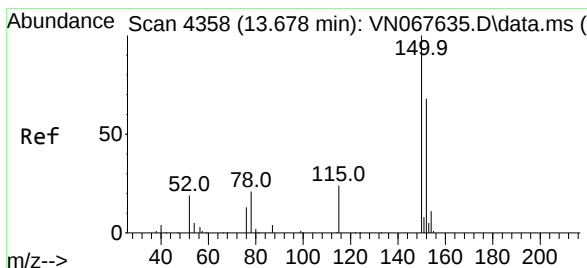
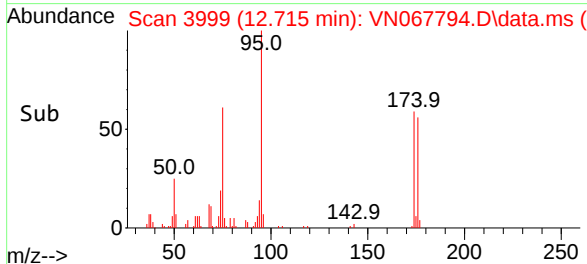
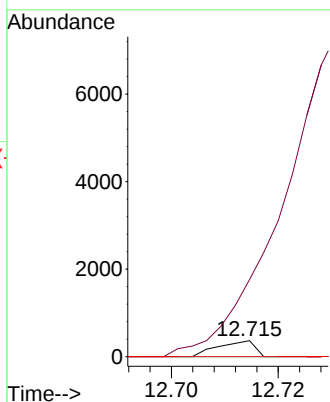
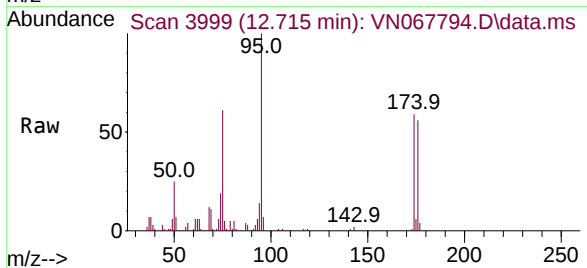




#71
Bromoform
Concen: 3.222 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

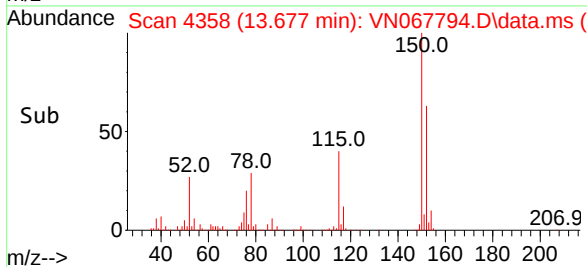
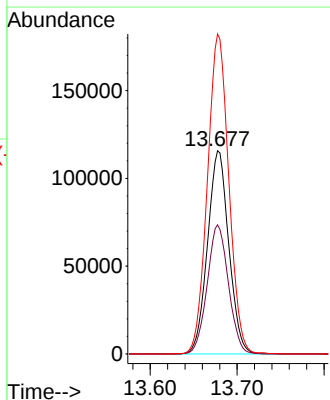
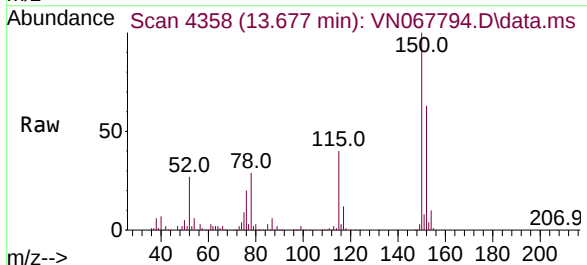
Instrument :
MSVOA_N
ClientSampled :

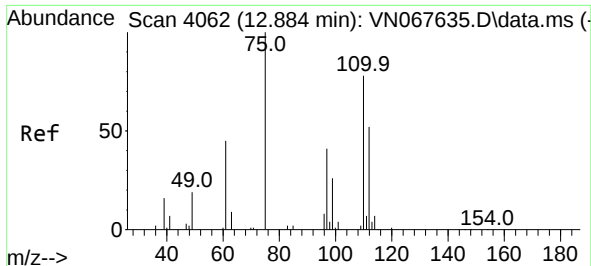
Tgt Ion:173 Resp: 174
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion:152 Resp: 196586
Ion Ratio Lower Upper
152 100
115 63.4 36.1 108.5
150 158.4 0.0 351.8

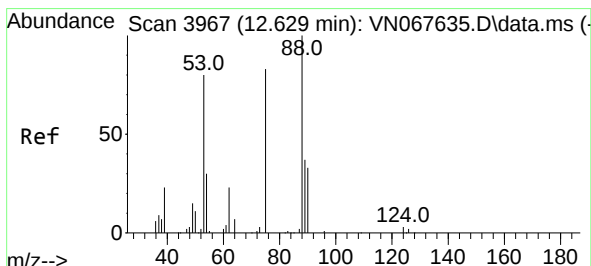
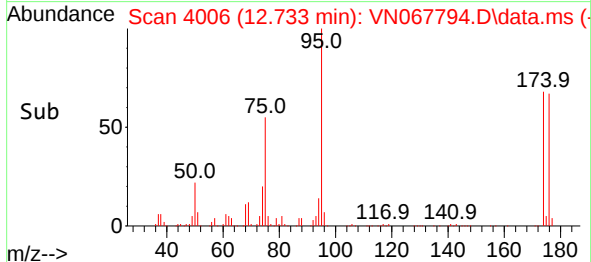
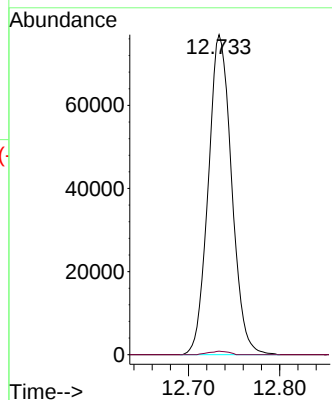
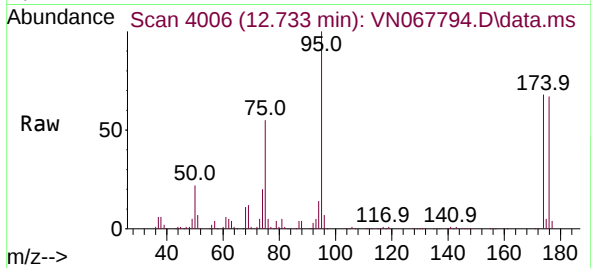




#76
1,2,3-Trichloropropane
Concen: 34.112 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

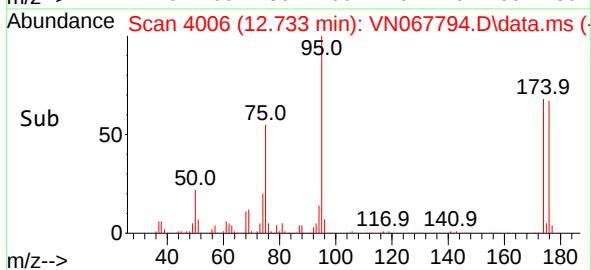
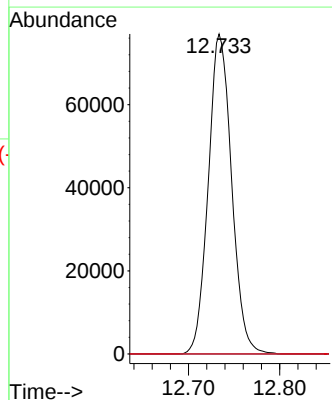
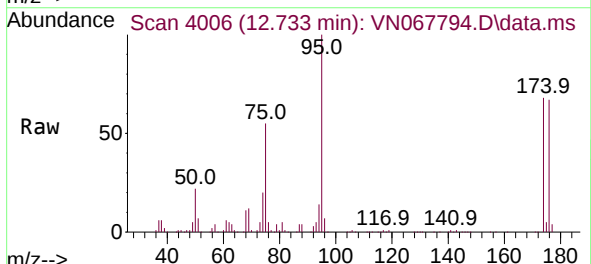
Instrument :
MSVOA_N
ClientSampled :

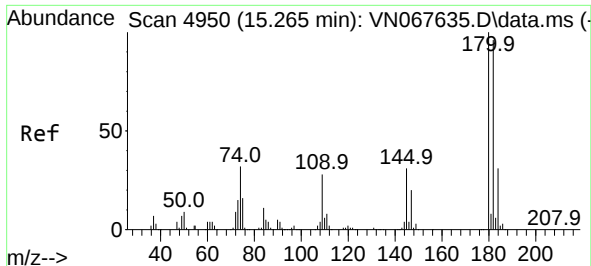
Tgt Ion: 75 Resp: 136948
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.981 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

Tgt Ion: 75 Resp: 136948
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

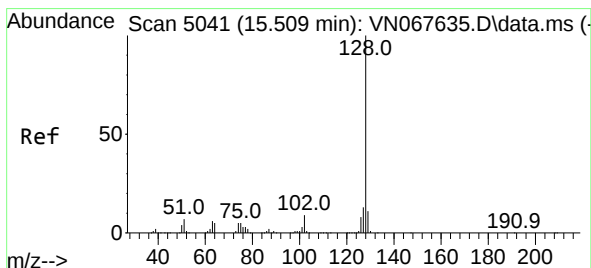
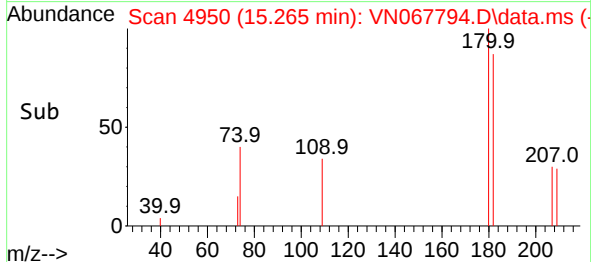
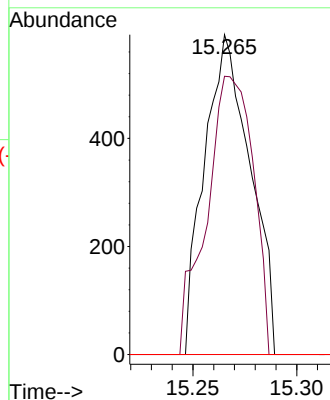
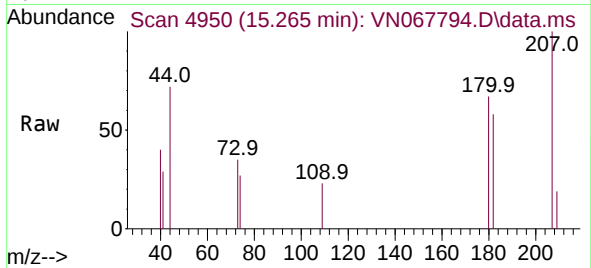




#93
1,2,4-Trichlorobenzene
Concen: 2.938 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

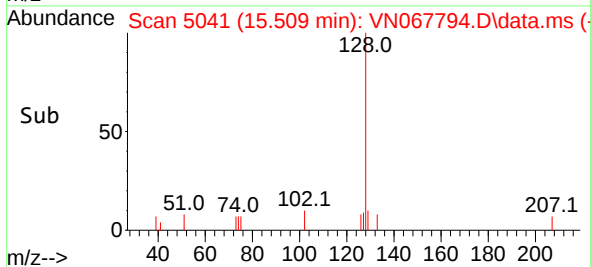
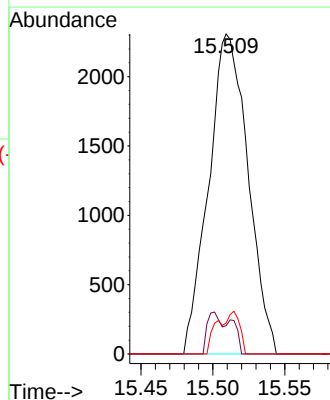
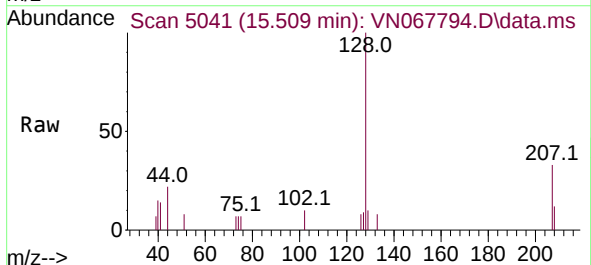
Instrument :
MSVOA_N
ClientSampled :

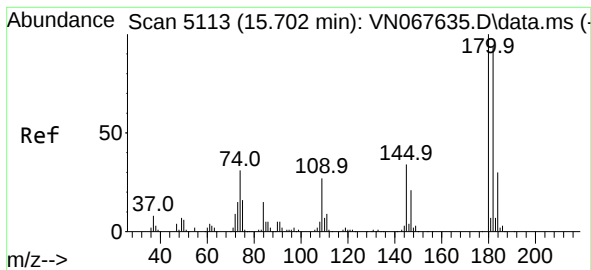
Tgt Ion:180 Resp: 911
Ion Ratio Lower Upper
180 100
182 88.5 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.440 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067794.D
Acq: 19 Jul 2021 15:37

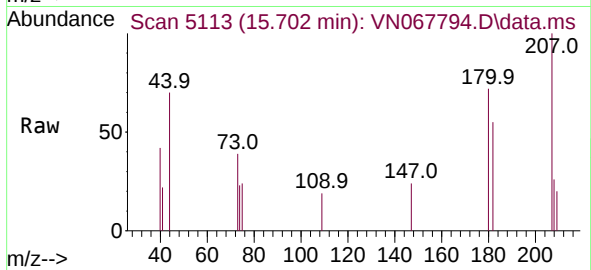
Tgt Ion:128 Resp: 4385
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 4.5 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.943 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN067794.D
 Acq: 19 Jul 2021 15:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1029
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	7.5	18.2	54.6#

