

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067045.D
 Acq On : 9 Aug 2021 17:58
 Operator : JC/MD
 Sample : M3318-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

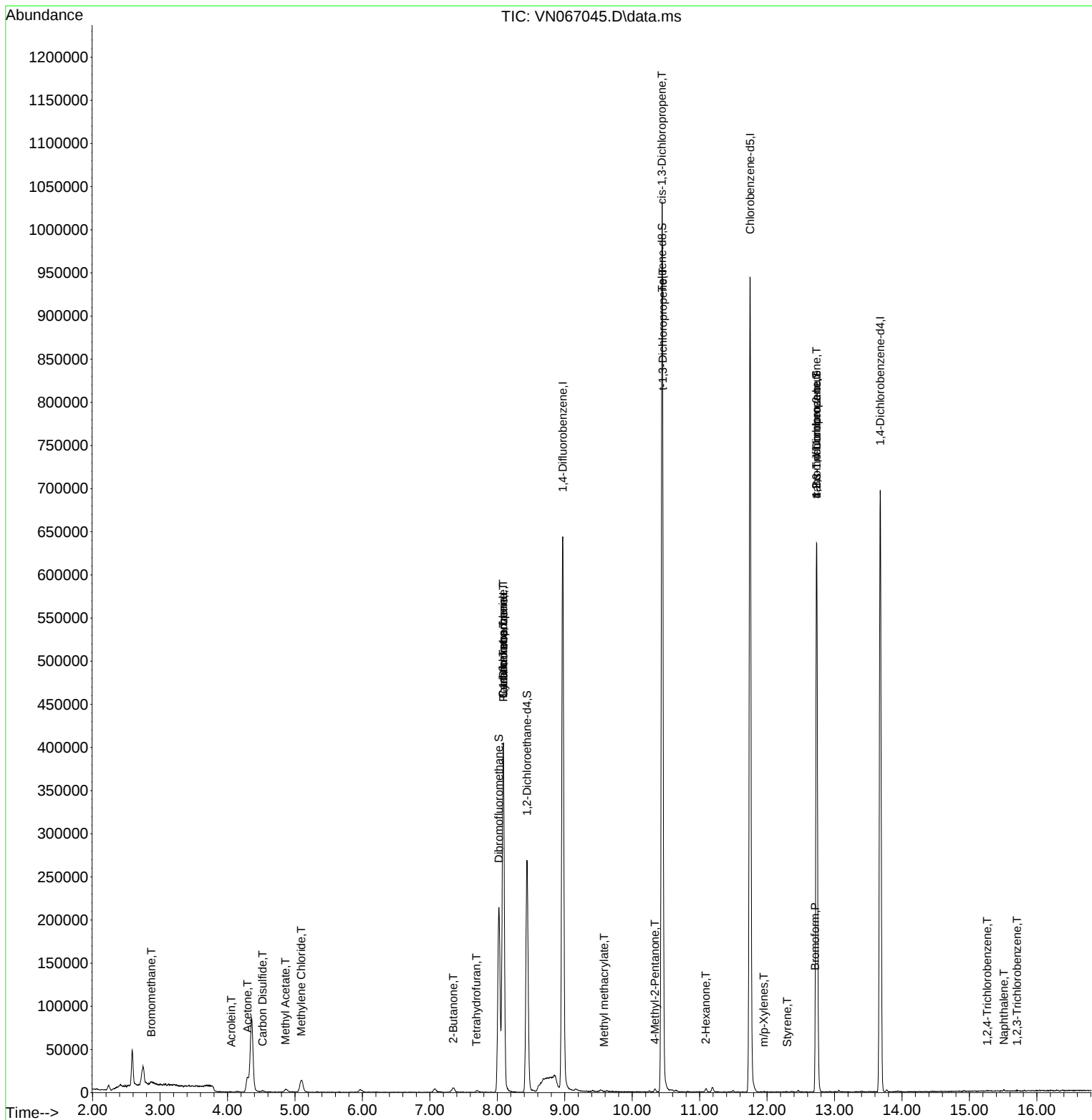
Quant Time: Aug 10 03:53:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

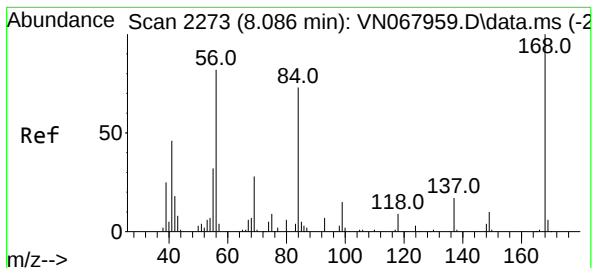
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	292226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	570383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	546049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	185162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229150	55.391	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.780%			
35) Dibromofluoromethane	8.024	113	160406	48.255	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.520%			
50) Toluene-d8	10.443	98	717258	47.005	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.020%			
62) 4-Bromofluorobenzene	12.733	95	230141	41.882	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.760%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.872	94	1449	0.280	ug/l	95
13) Acrolein	4.055	56	78	0.207	ug/l	99
16) Acetone	4.296	43	31996	21.197	ug/l	94
17) Carbon Disulfide	4.521	76	3204	0.399	ug/l #	74
18) Methyl Acetate	4.859	43	3950	0.988	ug/l #	75
20) Methylene Chloride	5.093	84	12401	3.292	ug/l #	85
25) 2-Butanone	7.345	43	3458	1.579	ug/l #	89
29) Tetrahydrofuran	7.691	42	440	0.314	ug/l #	63
31) Cyclohexane	8.088	56	8117	1.330	ug/l #	23
36) 1,1-Dichloropropene	8.088	75	25995	4.927	ug/l #	52
38) Carbon Tetrachloride	8.088	117	33035	6.367	ug/l #	17
48) Methyl methacrylate	9.585	41	55	2.318	ug/l #	12
51) 4-Methyl-2-Pentanone	10.336	43	3044	13.046	ug/l #	75
53) t-1,3-Dichloropropene	10.454	75	55	2.841	ug/l #	1
54) cis-1,3-Dichloropropene	10.440	75	84	2.366	ug/l #	39
59) 2-Hexanone	11.089	43	1891	13.705	ug/l #	64
68) m/p-Xylenes	11.950	106	311	4.097	ug/l	97
70) Styrene	12.299	104	130	2.640	ug/l #	22
71) Bromoform	12.712	173	85	4.053	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	129642	34.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	129642	93.362	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	159	2.523	ug/l #	68
95) Naphthalene	15.509	128	1311	3.279	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	110	2.408	ug/l #	67

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

Quant Time: Aug 10 03:53:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

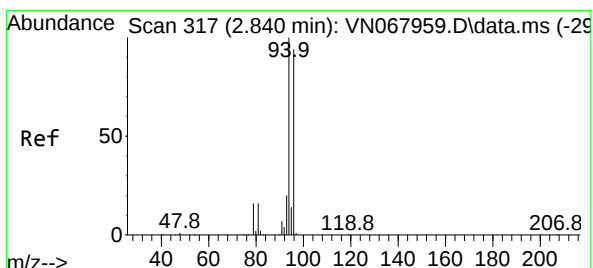
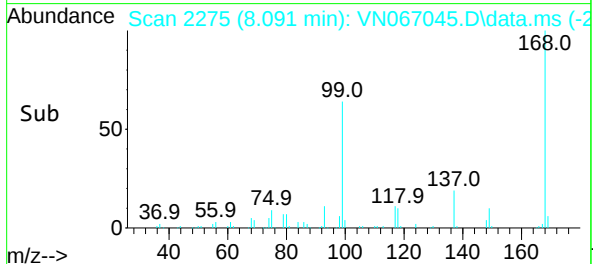
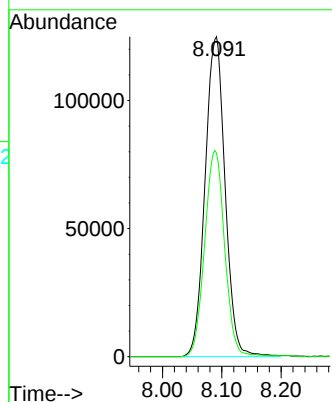
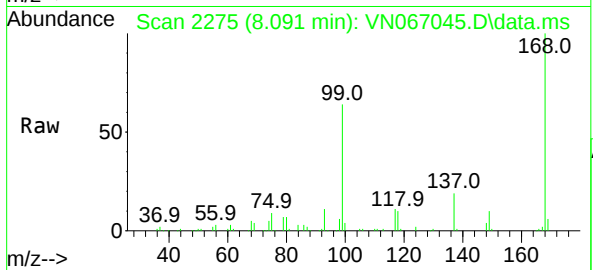




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

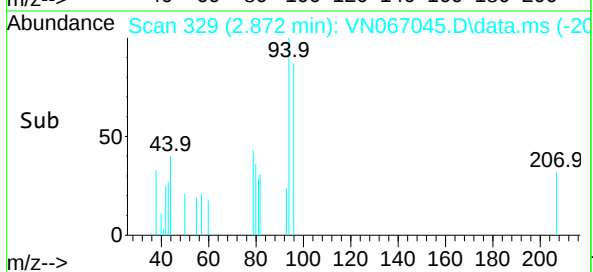
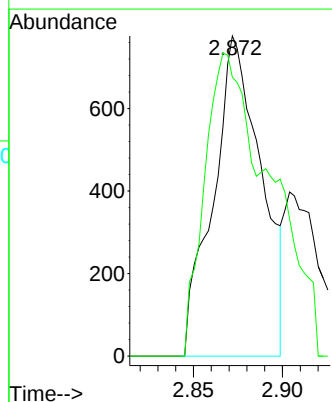
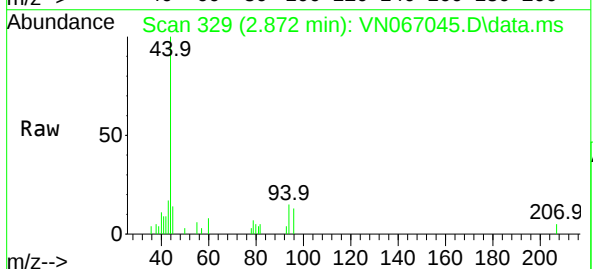
Instrument :
MSVOA_N
ClientSampleId :

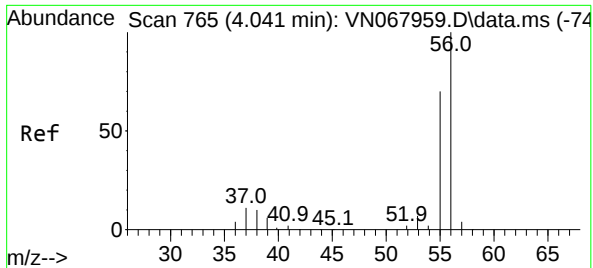
Tgt Ion:168 Resp: 292226
Ion Ratio Lower Upper
168 100
99 63.6 62.9 94.3



#5
Bromomethane
Concen: 0.280 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.032 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion: 94 Resp: 1449
Ion Ratio Lower Upper
94 100
96 87.1 73.7 110.5

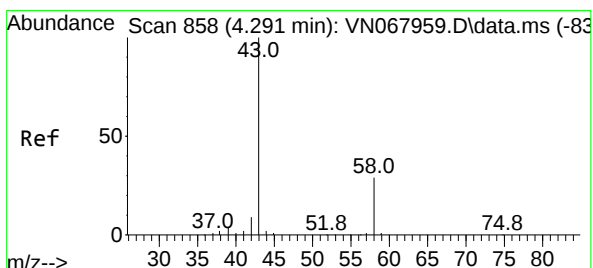
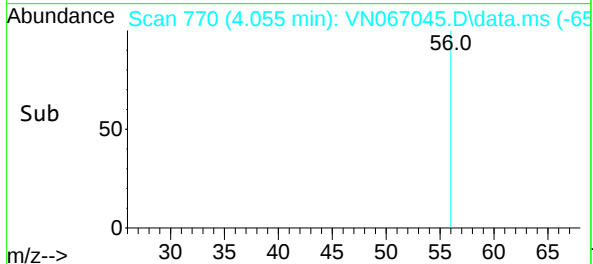
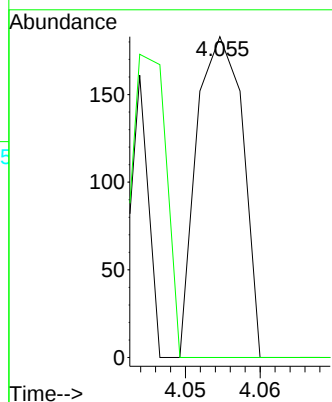
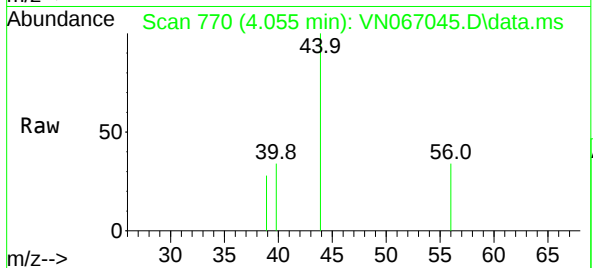




#13
Acrolein
Concen: 0.207 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

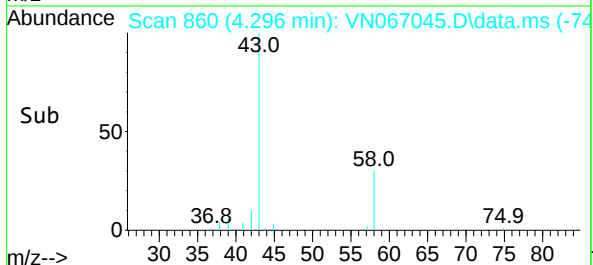
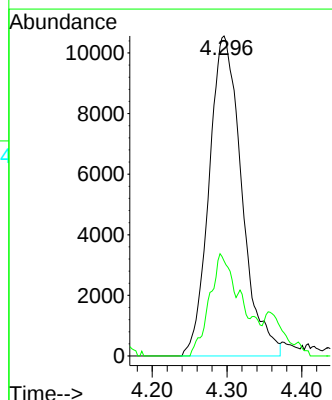
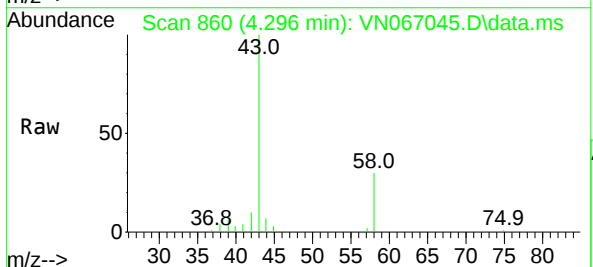
Instrument :
MSVOA_N
ClientSampled :

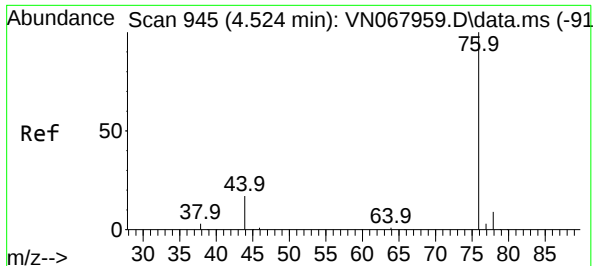
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 70.5 57.4 86.0



#16
Acetone
Concen: 21.197 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

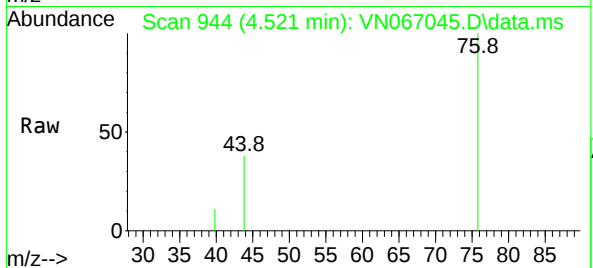
Tgt Ion: 43 Resp: 31996
Ion Ratio Lower Upper
43 100
58 29.7 21.2 31.8



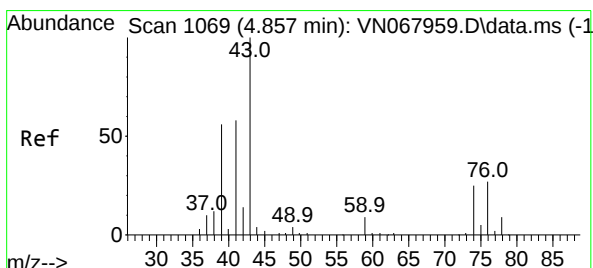
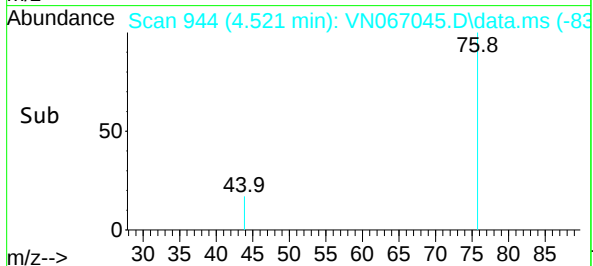
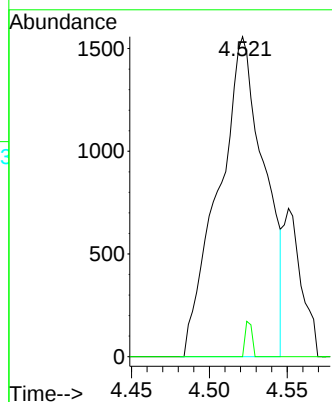


#17
Carbon Disulfide
Concen: 0.399 ug/l
RT: 4.521 min Scan# 944
Delta R.T. -0.003 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Instrument :
MSVOA_N
ClientSampled :

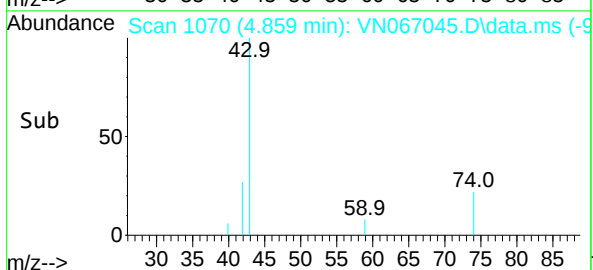
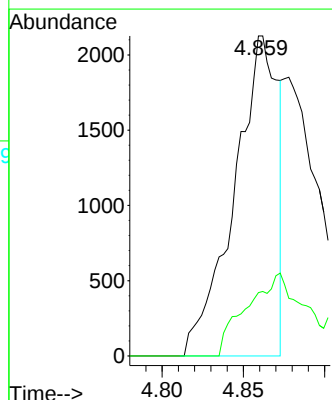
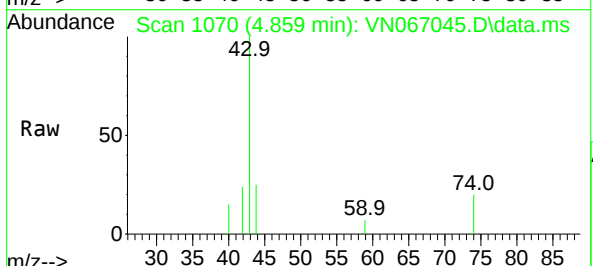


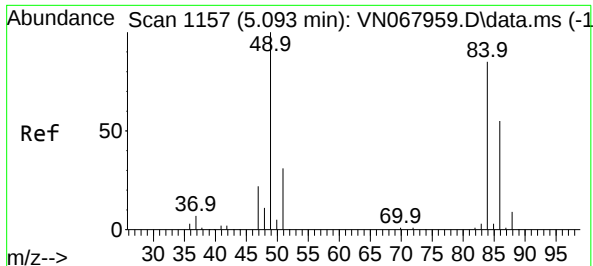
Tgt Ion: 76 Resp: 3204
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.988 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion: 43 Resp: 3950
Ion Ratio Lower Upper
43 100
74 33.5 17.4 26.0#





#20

Methylene Chloride

Concen: 3.292 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN067045.D

Acq: 9 Aug 2021 17:58

Tgt Ion: 84 Resp: 12401

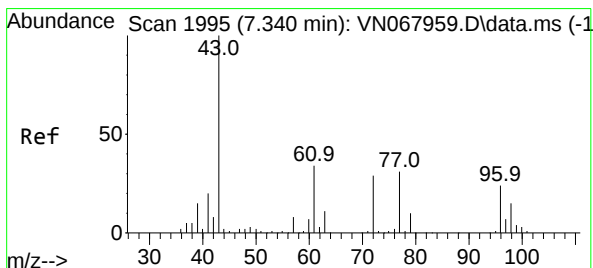
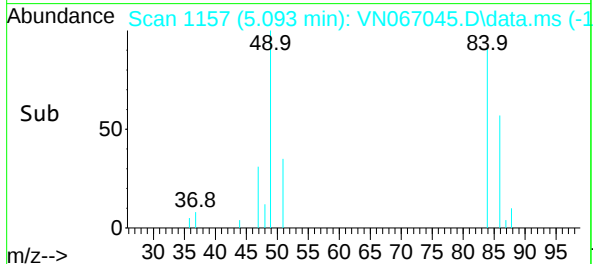
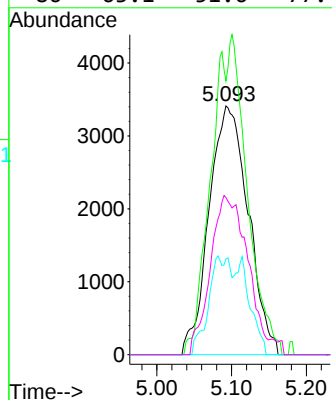
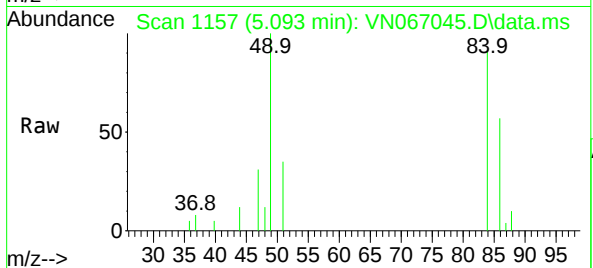
Ion Ratio Lower Upper

84 100

49 109.9 110.9 166.3#

51 38.5 32.6 49.0

86 63.1 51.6 77.4



#25

2-Butanone

Concen: 1.579 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.005 min

Lab File: VN067045.D

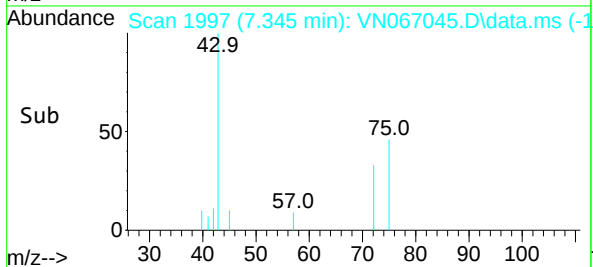
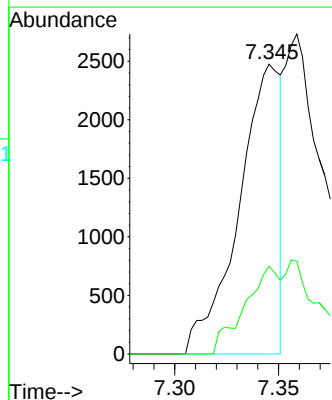
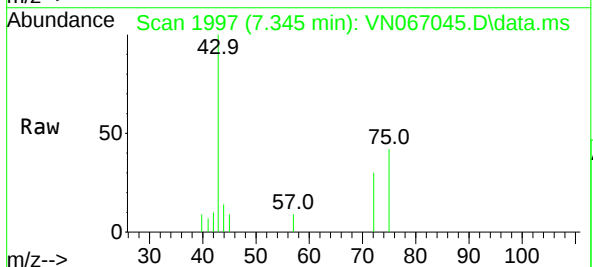
Acq: 9 Aug 2021 17:58

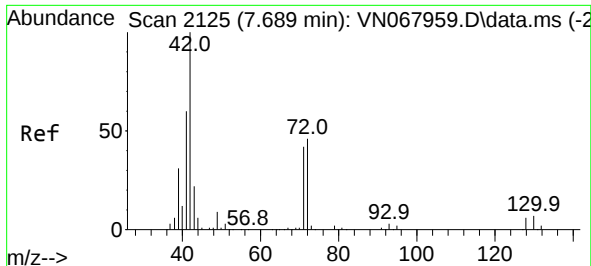
Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

72 30.2 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.314 ug/l

RT: 7.691 min Scan# 2126

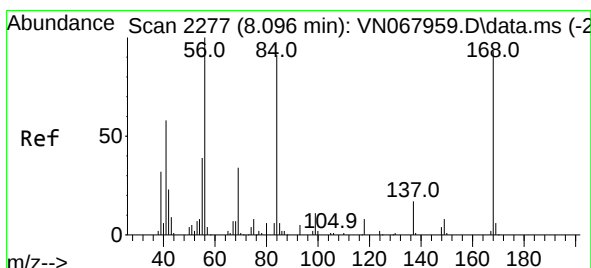
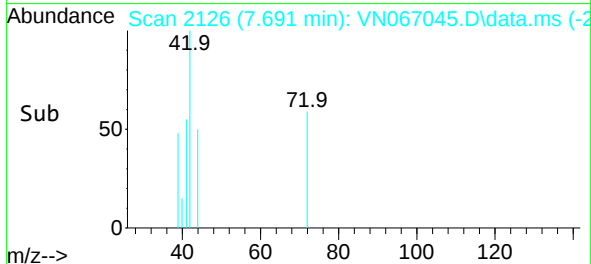
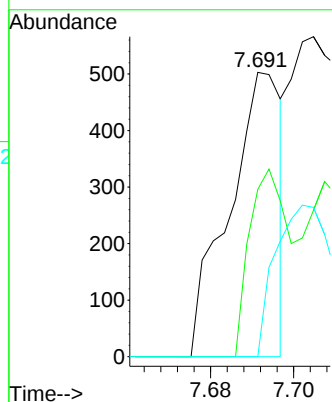
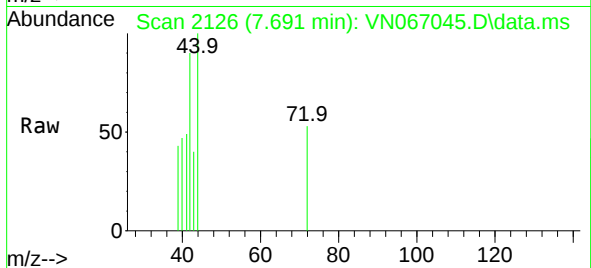
Delta R.T. 0.002 min

Lab File: VN067045.D

Acq: 9 Aug 2021 17:58

Tgt Ion:	42	Resp:	440
Ion	Ratio	Lower	Upper
42	100		
72	47.7	32.8	49.2
71	0.0	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.330 ug/l

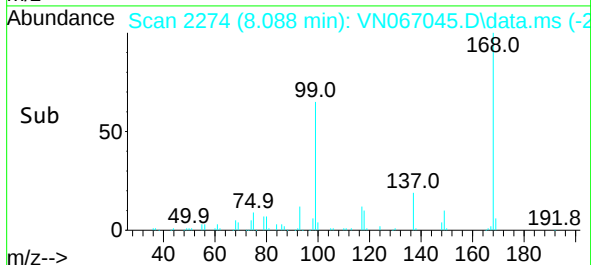
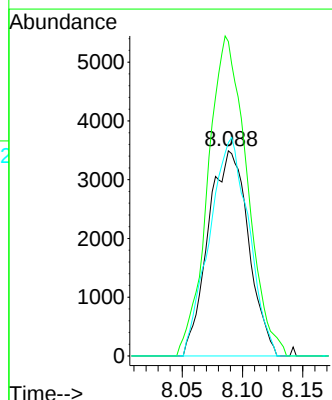
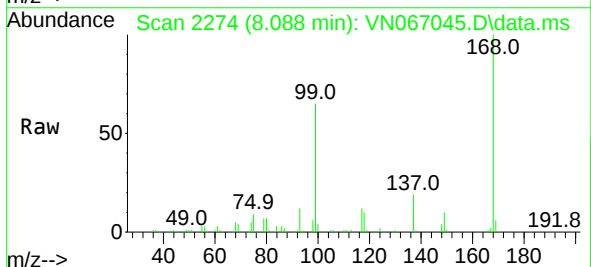
RT: 8.088 min Scan# 2274

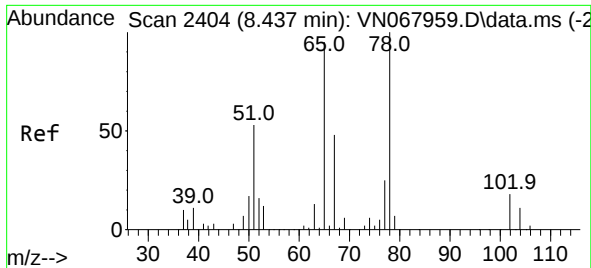
Delta R.T. -0.008 min

Lab File: VN067045.D

Acq: 9 Aug 2021 17:58

Tgt Ion:	56	Resp:	8117
Ion	Ratio	Lower	Upper
56	100		
69	148.2	27.3	40.9#
84	104.0	64.9	97.3#

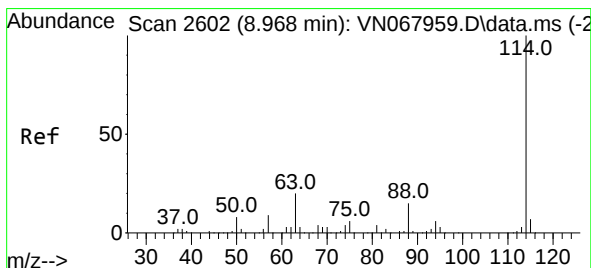
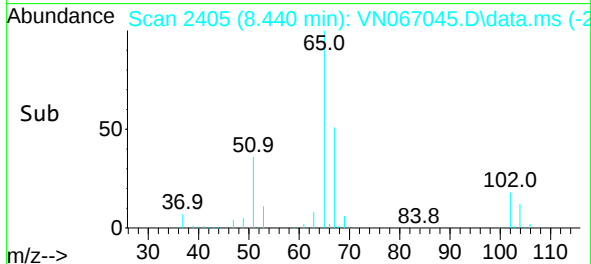
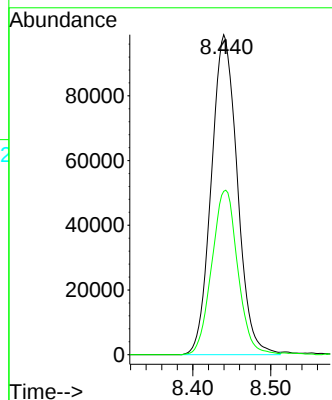
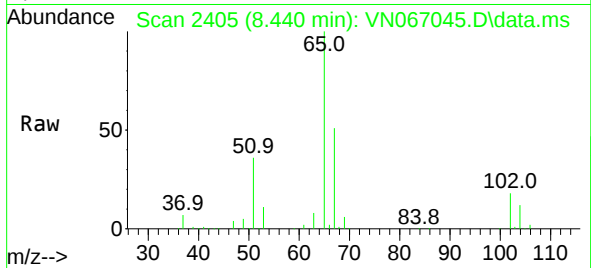




#33
 1,2-Dichloroethane-d4
 Concen: 55.391 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58

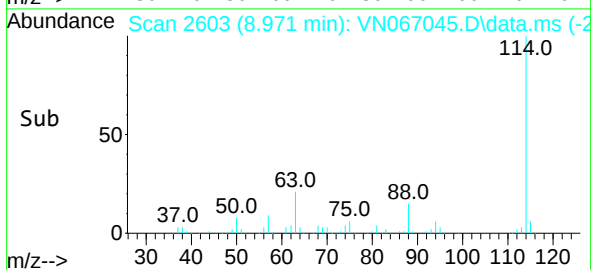
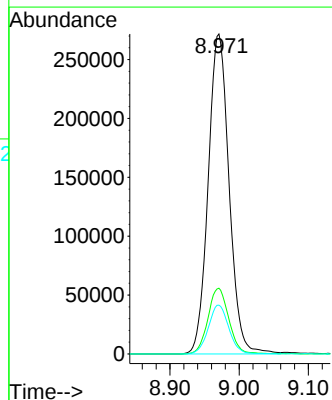
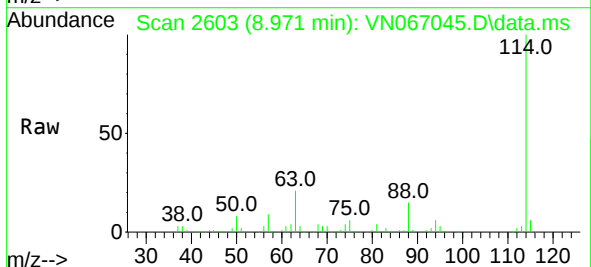
Instrument :
 MSVOA_N
 ClientSampled :

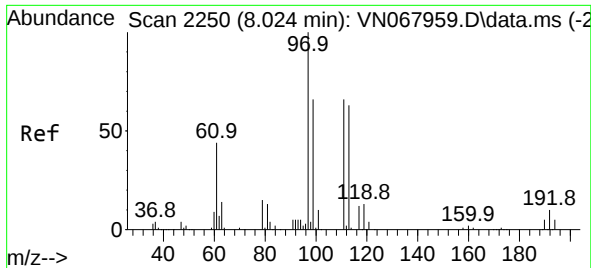
Tgt Ion: 65 Resp: 229150
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58

Tgt Ion: 114 Resp: 570383
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 49.0
 88 15.2 0.0 36.6

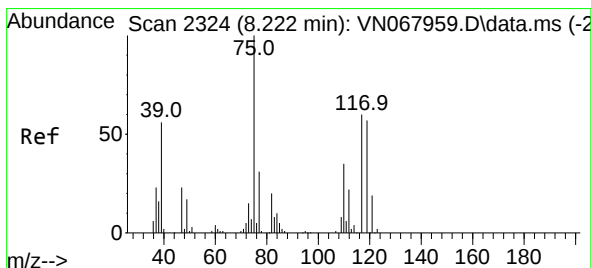
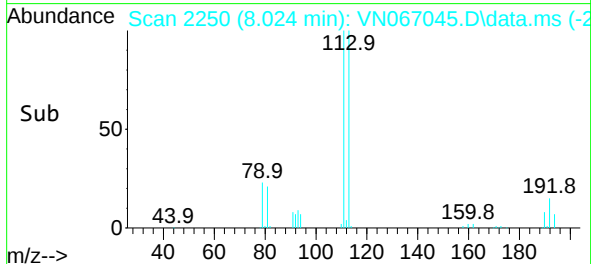
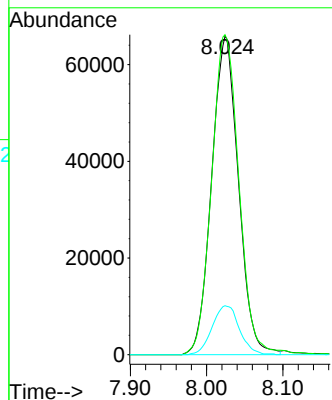
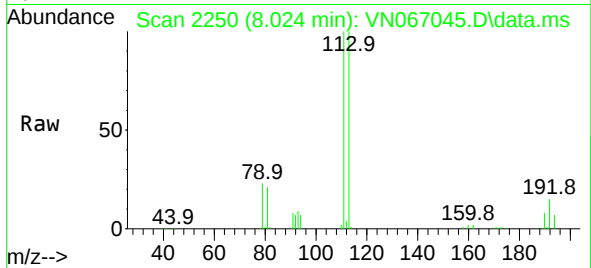




#35
Dibromofluoromethane
Concen: 48.255 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

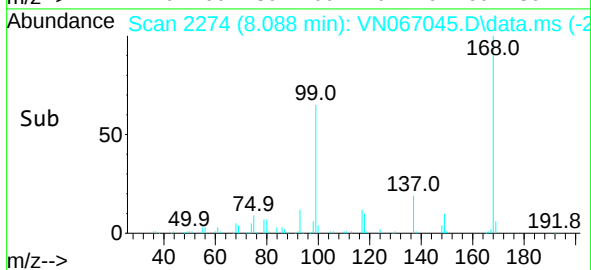
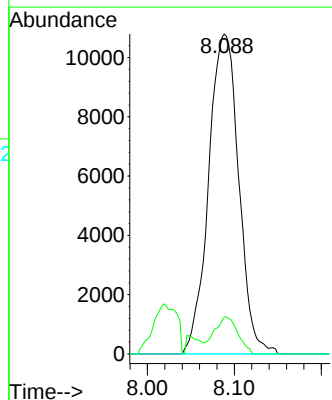
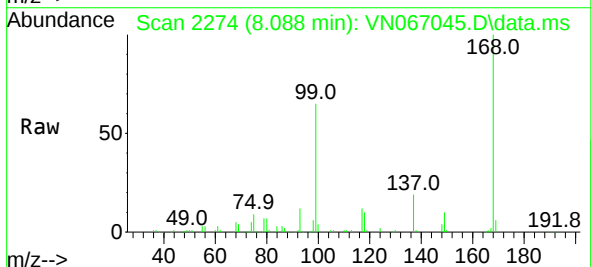
Instrument :
MSVOA_N
ClientSampleId :

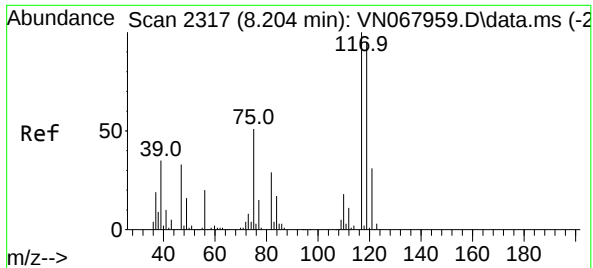
Tgt Ion:113 Resp: 160406
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 15.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

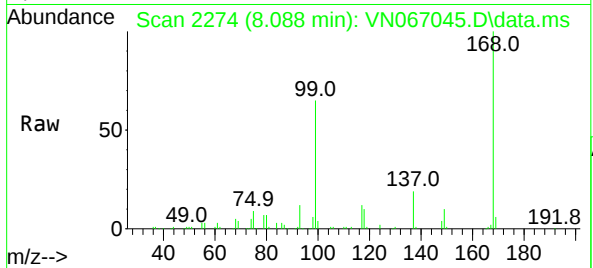
Tgt Ion: 75 Resp: 25995
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#



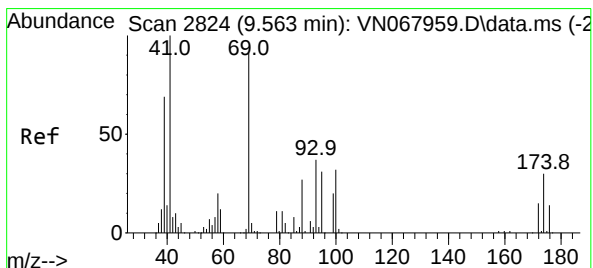
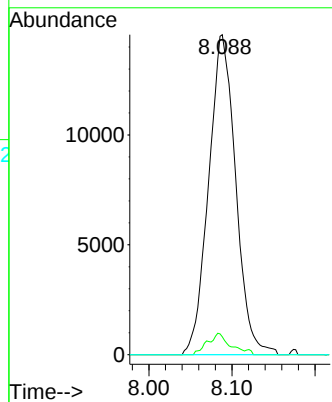
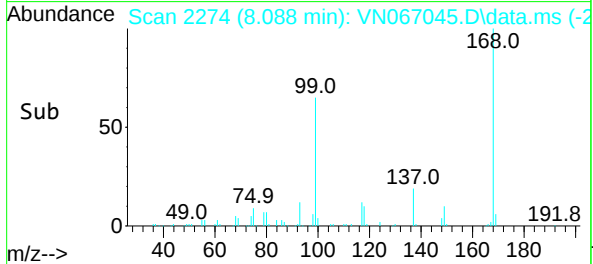


#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

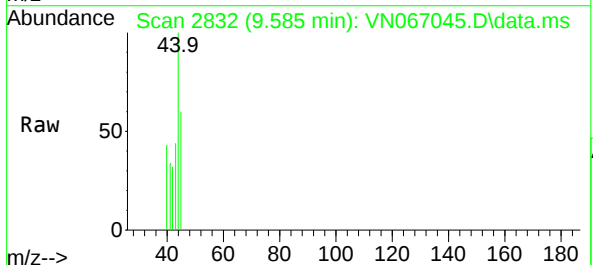
Instrument :
MSVOA_N
ClientSampleId :



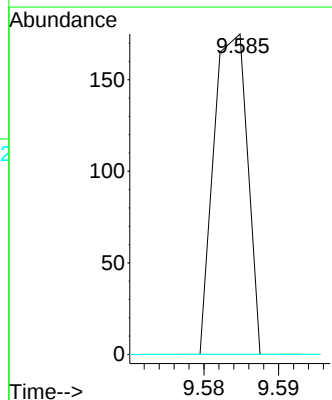
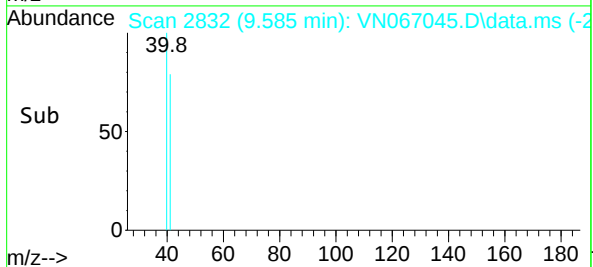
Tgt Ion:117 Resp: 33035
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

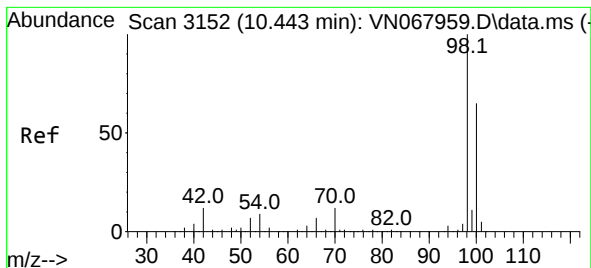


#48
Methyl methacrylate
Concen: 2.318 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.022 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58



Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

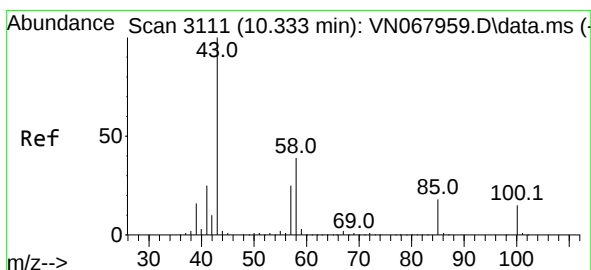
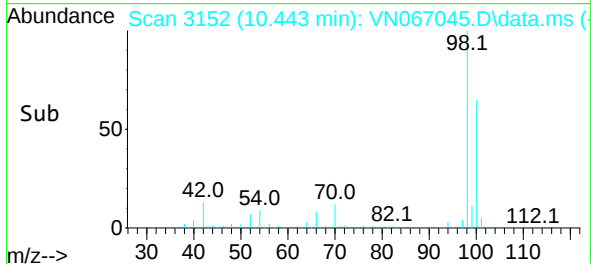
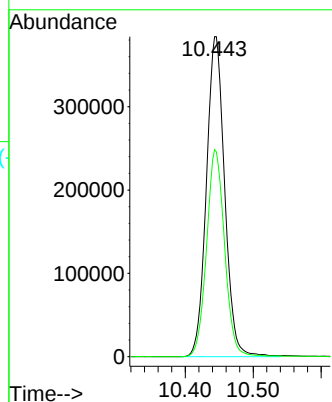
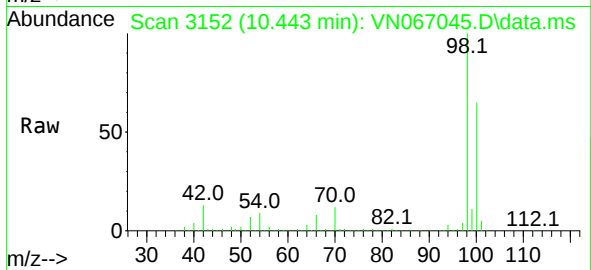




#50
Toluene-d8
Concen: 47.005 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

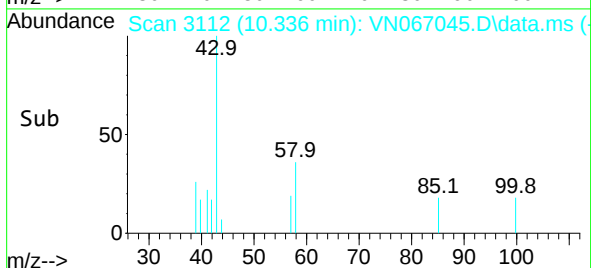
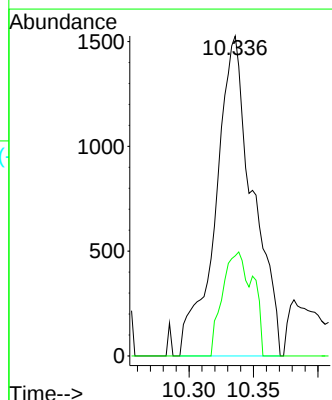
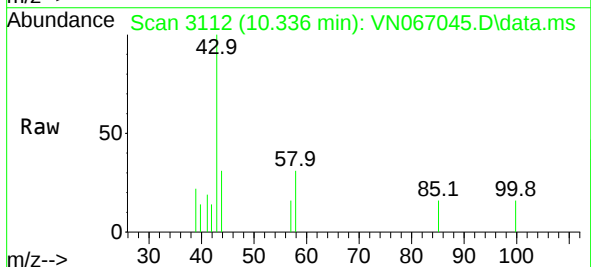
Instrument :
MSVOA_N
ClientSampleId :

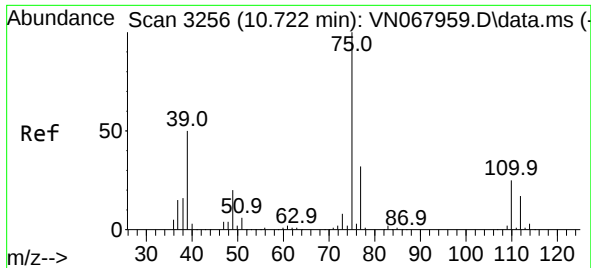
Tgt Ion: 98 Resp: 717258
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 13.046 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion: 43 Resp: 3044
Ion Ratio Lower Upper
43 100
58 21.3 28.6 43.0#

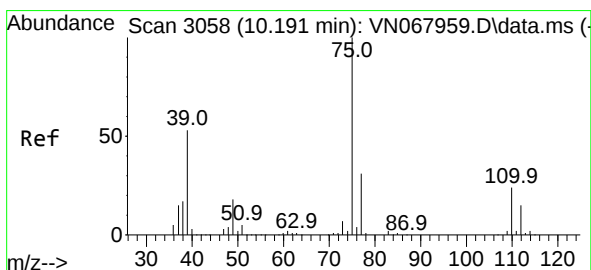
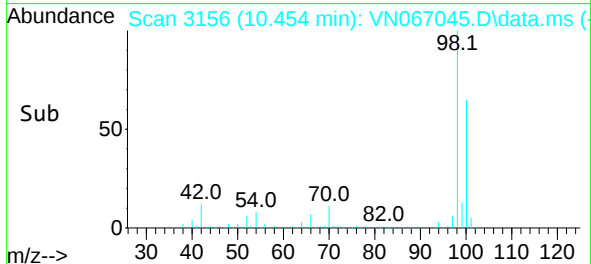
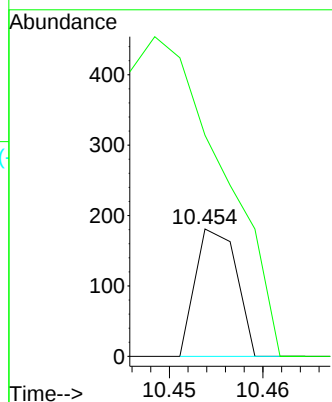
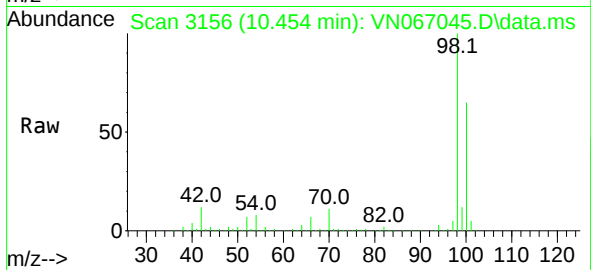




#53
t-1,3-Dichloropropene
Concen: 2.841 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

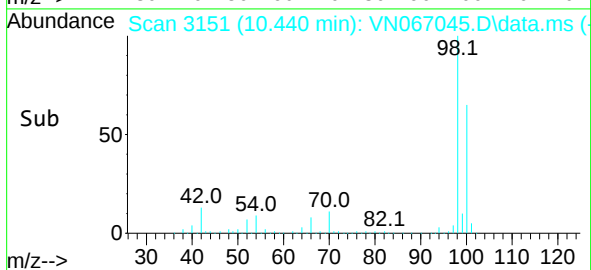
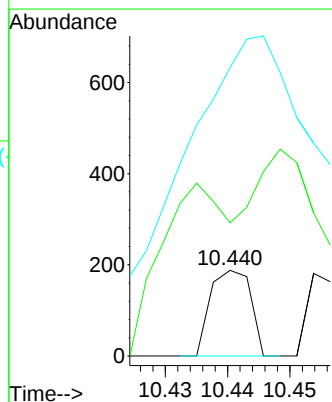
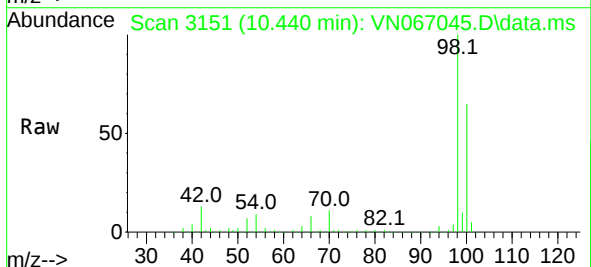
Instrument :
MSVOA_N
ClientSampled :

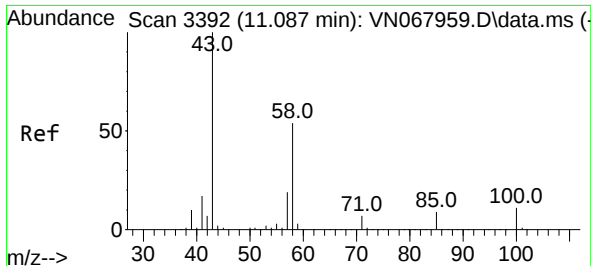
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 173.5 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.366 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.249 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 112.8 50.7 76.1#

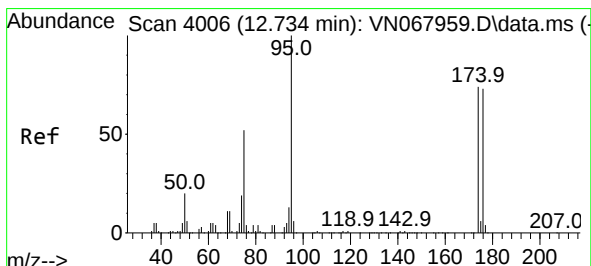
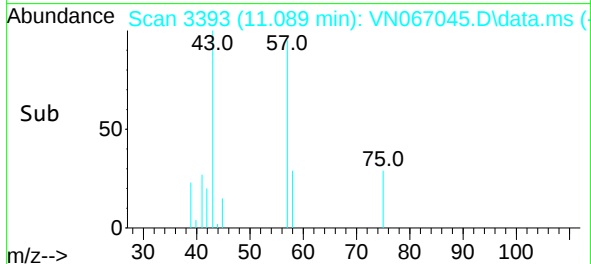
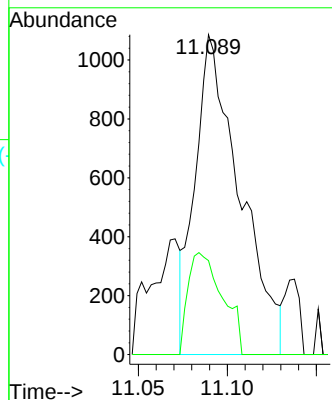
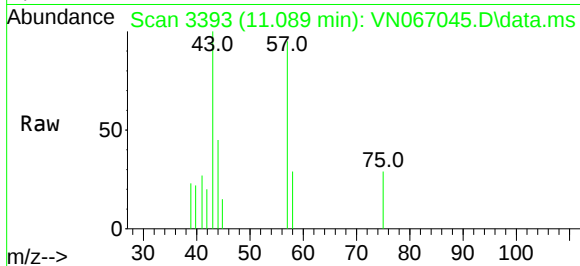




#59
2-Hexanone
Concen: 13.705 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

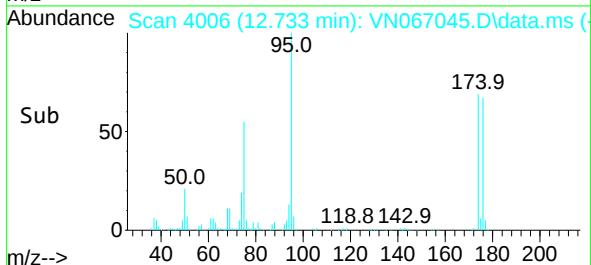
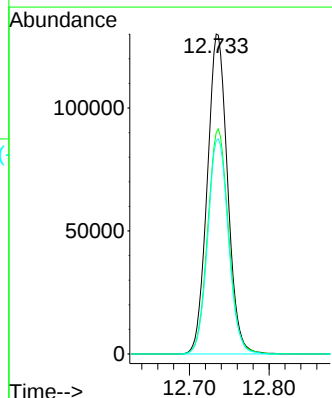
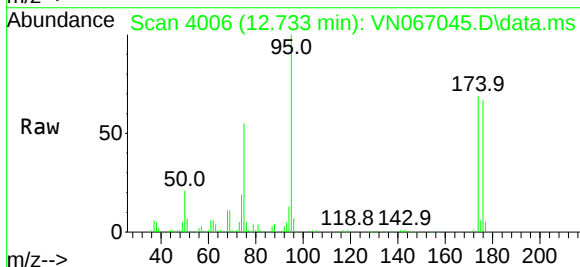
Instrument :
MSVOA_N
ClientSampled :

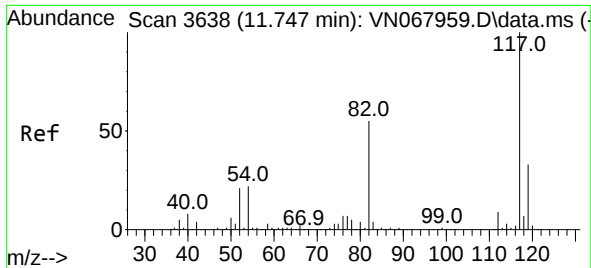
Tgt Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
58 24.6 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 41.882 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion: 95 Resp: 230141
Ion Ratio Lower Upper
95 100
174 72.3 0.0 122.0
176 68.5 0.0 117.6

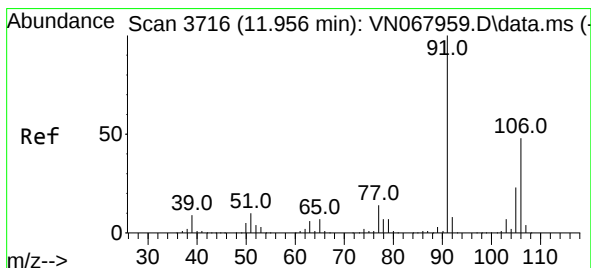
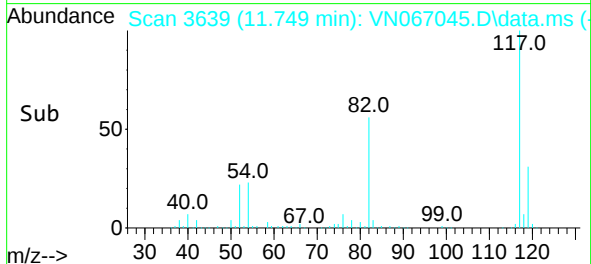
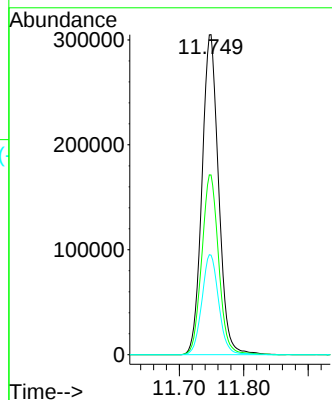
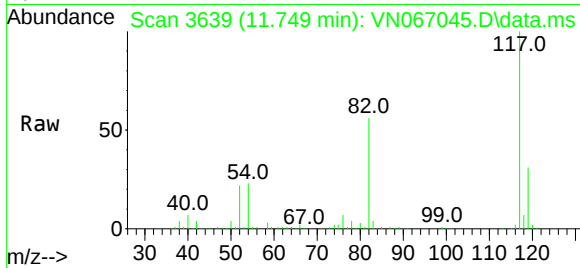




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

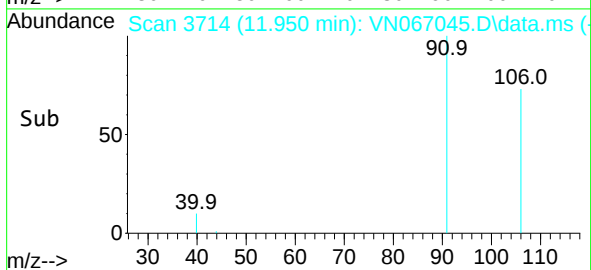
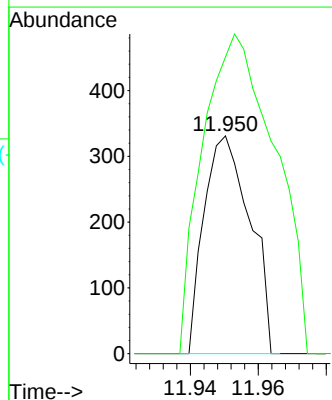
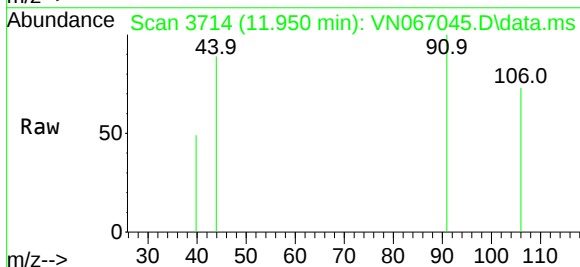
Instrument :
MSVOA_N
ClientSampleId :

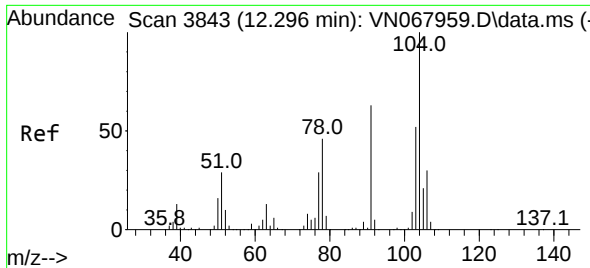
Tgt Ion:117 Resp: 546049
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 4.097 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion:106 Resp: 311
Ion Ratio Lower Upper
106 100
91 230.5 180.6 270.8

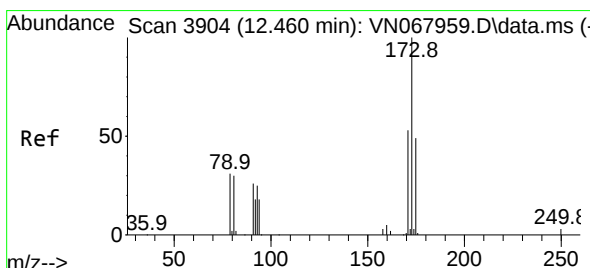
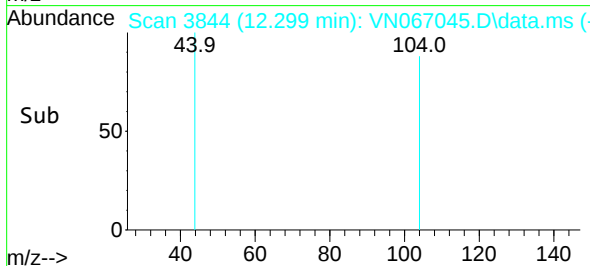
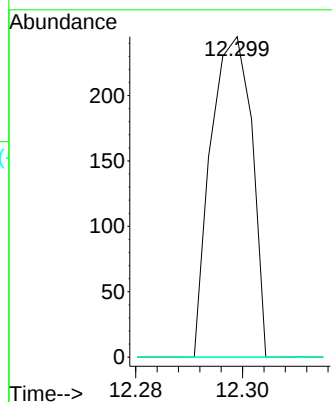
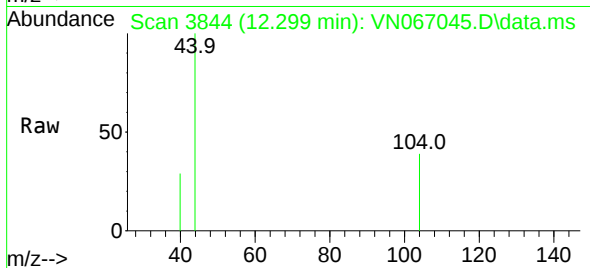




#70
Styrene
Concen: 2.640 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

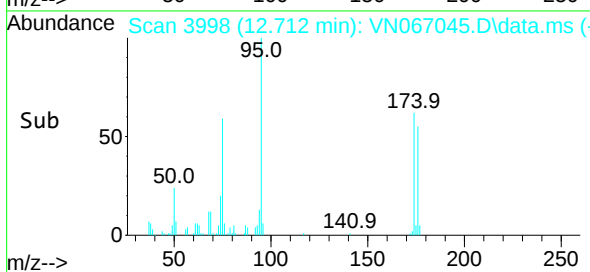
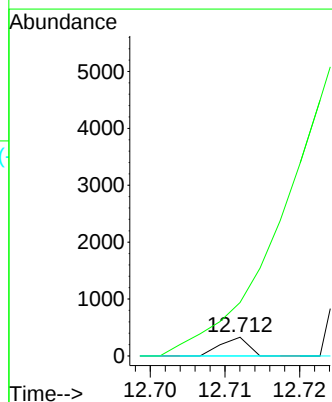
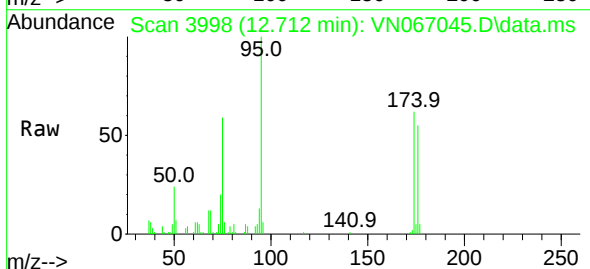
Instrument :
MSVOA_N
ClientSampled :

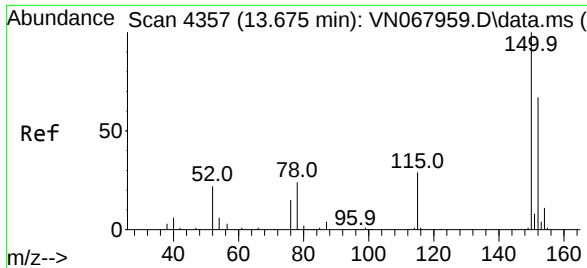
Tgt Ion:104 Resp: 130
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 4.053 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

Tgt Ion:173 Resp: 85
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

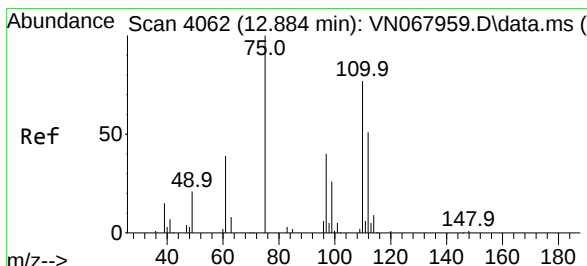
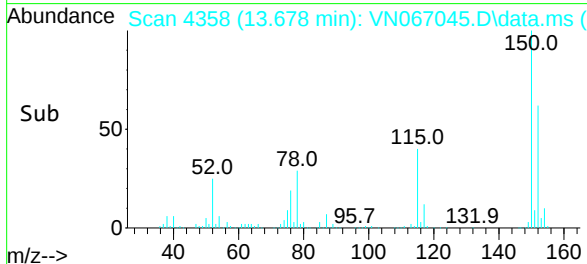
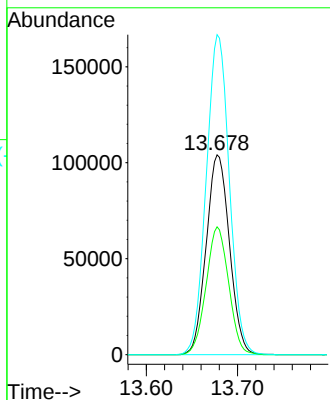
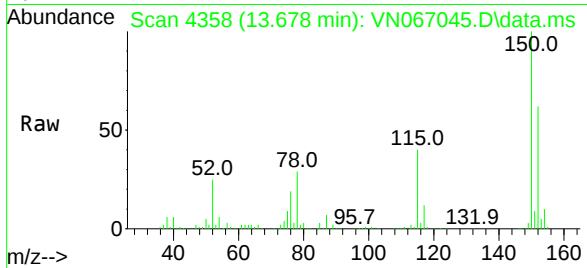




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58

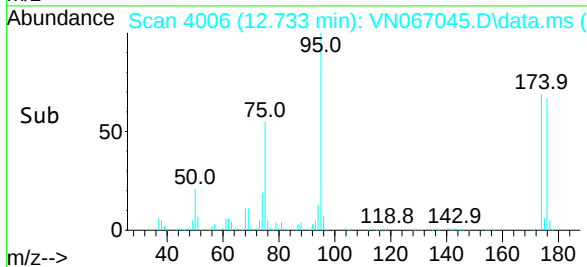
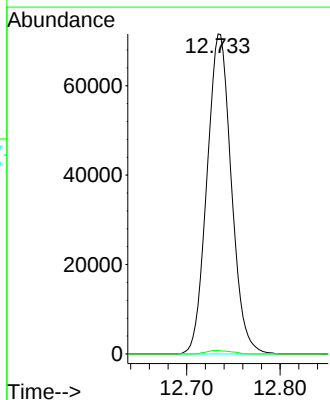
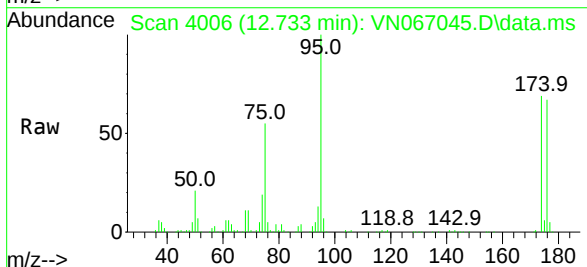
Instrument :
 MSVOA_N
 ClientSampled :

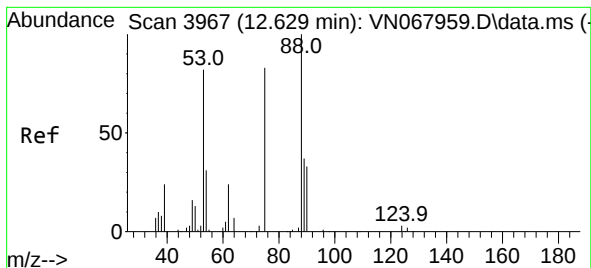
Tgt Ion:152 Resp: 185162
 Ion Ratio Lower Upper
 152 100
 115 62.0 36.1 108.5
 150 158.5 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 34.863 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58

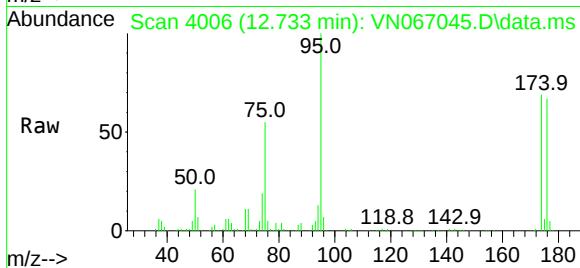
Tgt Ion: 75 Resp: 129642
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



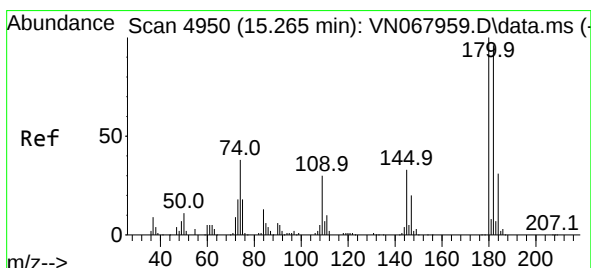
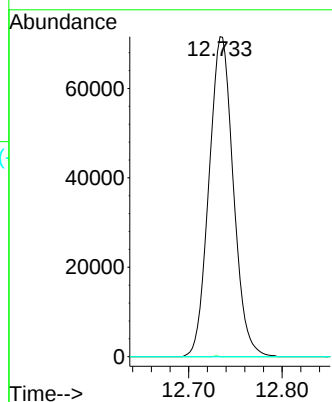
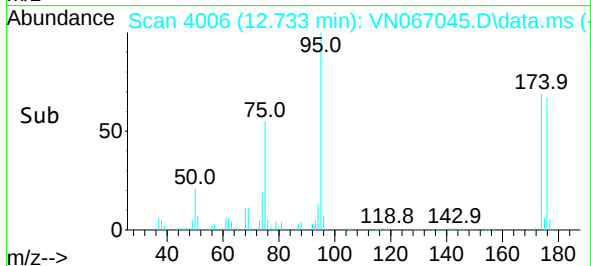


#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.362 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58

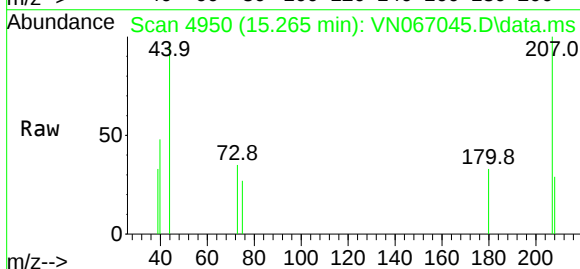
Instrument :
 MSVOA_N
 ClientSampled :



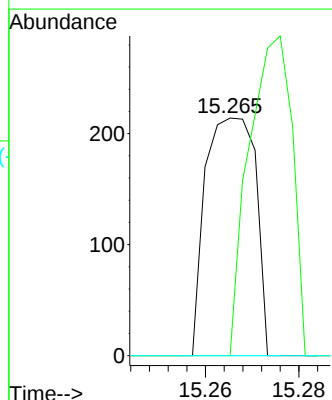
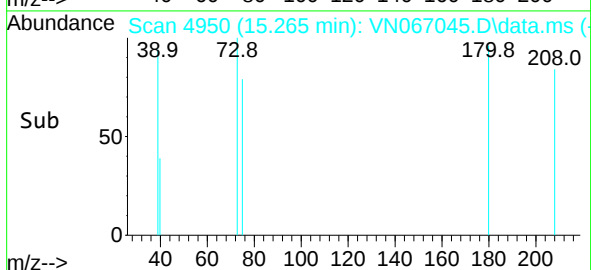
Tgt Ion: 75 Resp: 129642
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#

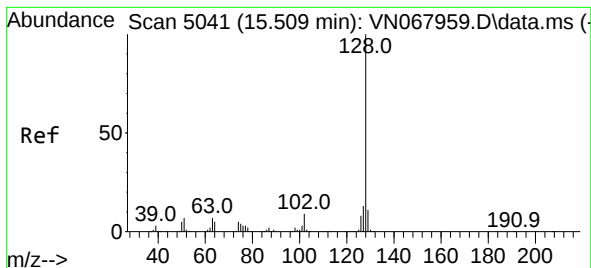


#93
 1,2,4-Trichlorobenzene
 Concen: 2.523 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN067045.D
 Acq: 9 Aug 2021 17:58



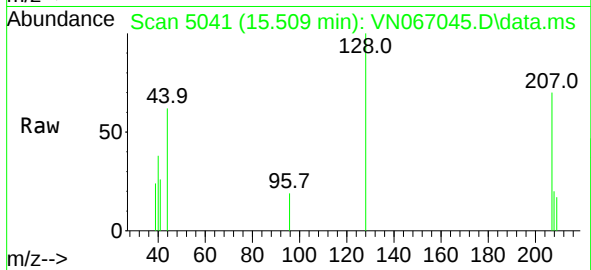
Tgt Ion:180 Resp: 159
 Ion Ratio Lower Upper
 180 100
 182 115.7 47.5 142.5
 145 0.0 17.2 51.6#



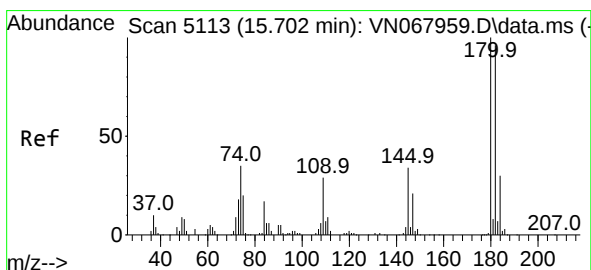
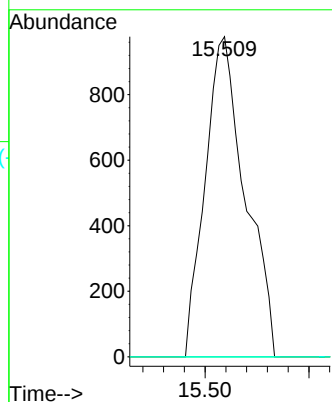
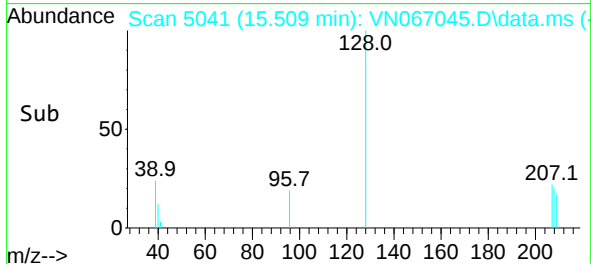


#95
Naphthalene
Concen: 3.279 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58

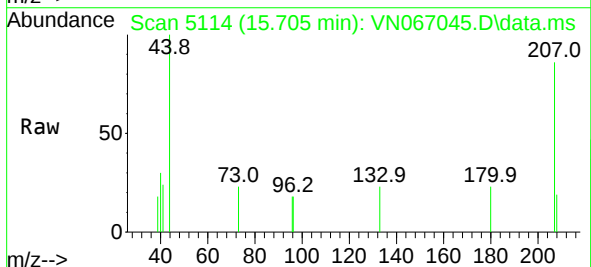
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1311
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.408 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067045.D
Acq: 9 Aug 2021 17:58



Tgt Ion:180 Resp: 110
Ion Ratio Lower Upper
180 100
182 74.5 47.8 143.3
145 0.0 18.2 54.6#

