

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067493.D
 Acq On : 24 Jun 2021 19:20
 Operator : JC/MD
 Sample : M2828-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ERM-16R

Quant Time: Jun 25 02:16:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

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

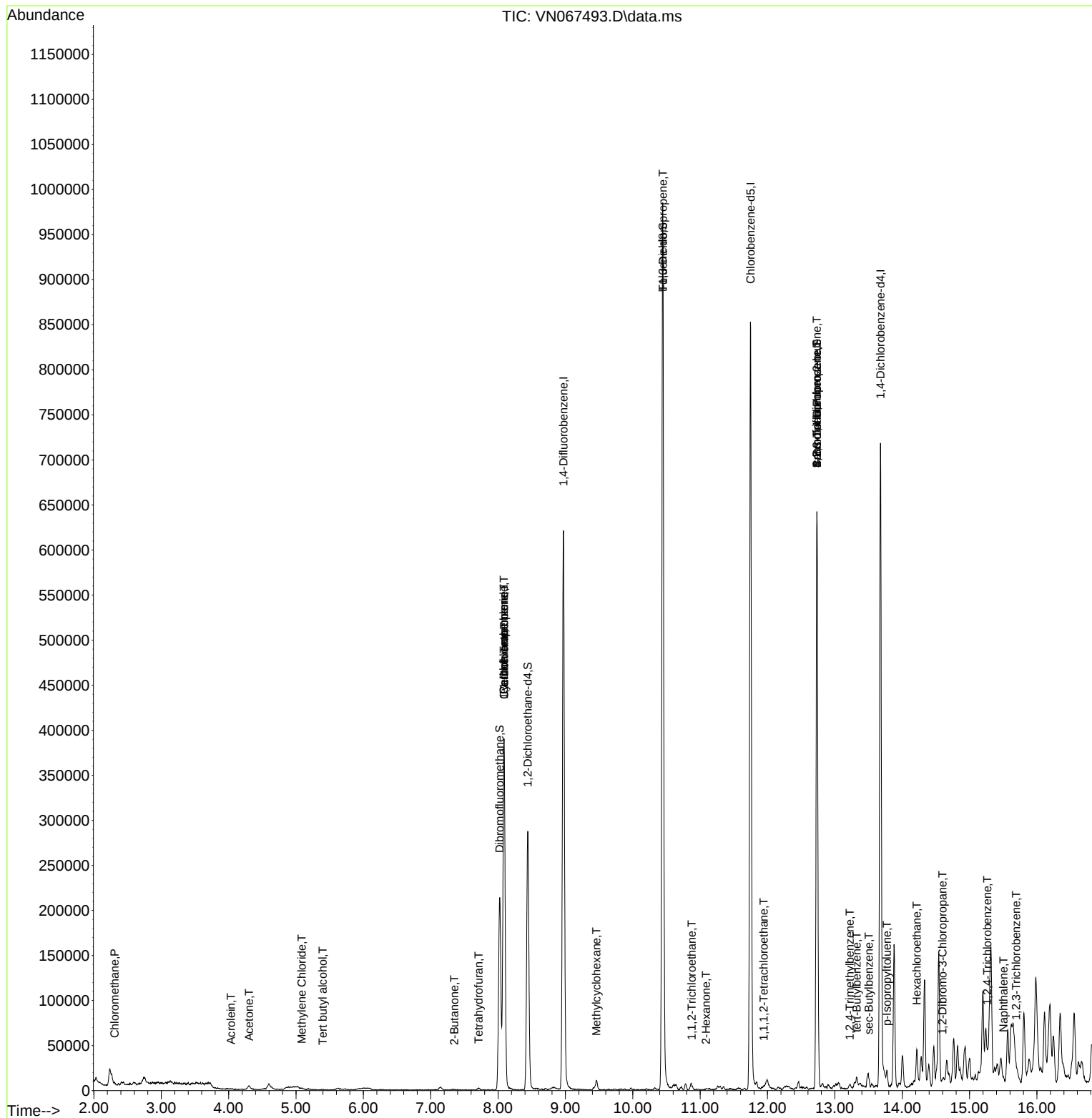
Internal Standards						
1) Pentafluorobenzene	8.088	168	233264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	493801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	443042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	155941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	238284	49.91	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.82%		
35) Dibromofluoromethane	8.024	113	153015	50.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.60%		
50) Toluene-d8	10.446	98	663032	51.10	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.20%		
62) 4-Bromofluorobenzene	12.733	95	230540	49.87	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.74%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1185	0.27	ug/l	95
11) Tert butyl alcohol	5.395	59	455	0.58	ug/l #	71
13) Acrolein	4.036	56	142	0.21	ug/l #	14
16) Acetone	4.301	43	7696	4.21	ug/l	90
20) Methylene Chloride	5.087	84	1005	0.23	ug/l #	39
25) 2-Butanone	7.351	43	719	0.25	ug/l #	51
29) Tetrahydrofuran	7.710	42	1306	0.73	ug/l #	45
31) Cyclohexane	8.091	56	13679	1.79	ug/l #	38
36) 1,1-Dichloropropene	8.085	75	29135	5.24	ug/l #	45
38) Carbon Tetrachloride	8.088	117	30288	6.39	ug/l #	17
39) Methylcyclohexane	9.459	83	3881	0.61	ug/l #	82
53) t-1,3-Dichloropropene	10.448	75	27	2.01	ug/l #	83
55) 1,1,2-Trichloroethane	10.875	97	1645	0.45	ug/l #	14
59) 2-Hexanone	11.087	43	915	0.22	ug/l #	54
66) 1,1,1,2-Tetrachloroethane	11.945	131	26	0.72	ug/l #	8
71) Bromoform	12.733	173	2054	3.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	135142	29.44	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	135142	80.57	ug/l #	6
83) tert-Butylbenzene	13.323	119	4875	0.48	ug/l	85
84) 1,2,4-Trimethylbenzene	13.219	105	3654	0.29	ug/l	68
85) sec-Butylbenzene	13.506	105	7087	0.46	ug/l #	59
86) p-Isopropyltoluene	13.771	119	7892	0.69	ug/l	95
90) Hexachloroethane	14.216	117	1766	0.81	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.600	75	263	0.29	ug/l #	49
93) 1,2,4-Trichlorobenzene	15.262	180	285	2.43	ug/l #	1
95) Naphthalene	15.504	128	1485	3.50	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.692	180	111	2.57	ug/l #	1

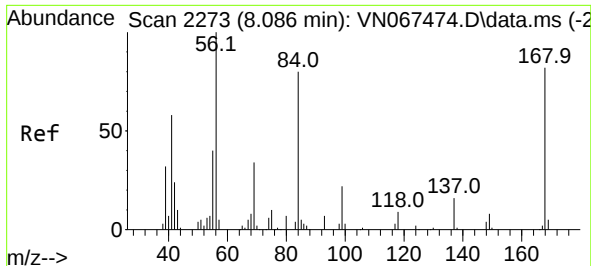
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
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Instrument :
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Quant Time: Jun 25 02:16:08 2021
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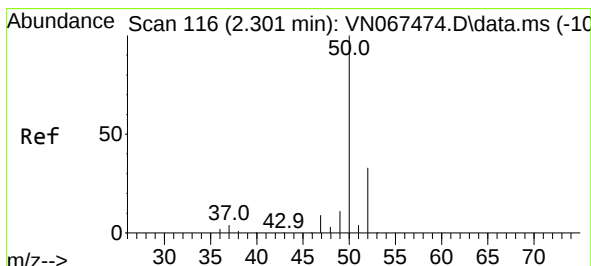
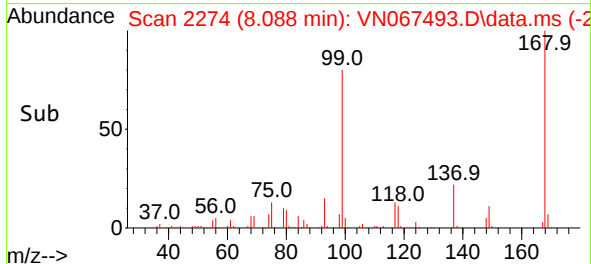
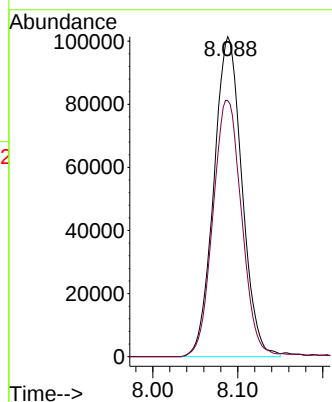
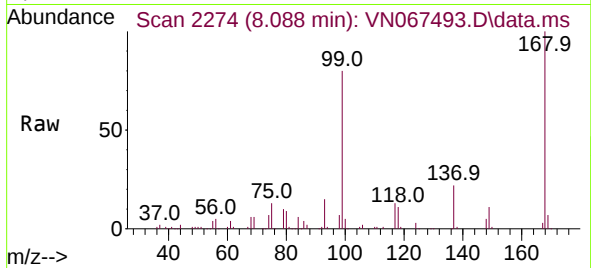




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

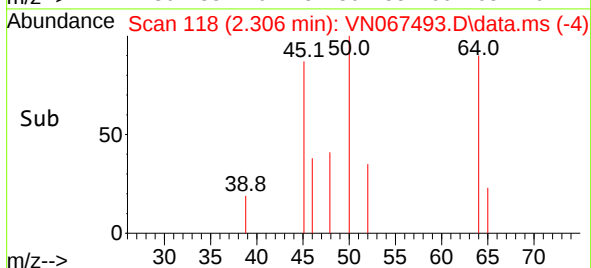
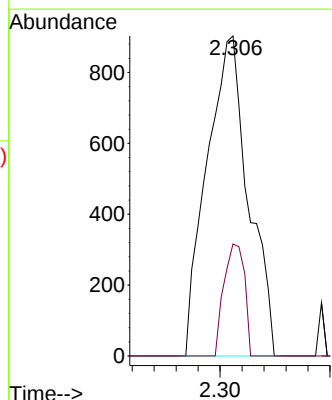
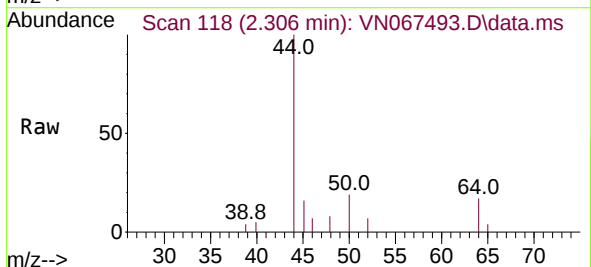
Instrument :
MSVOA_N
ClientSampleId :
ERM-16R

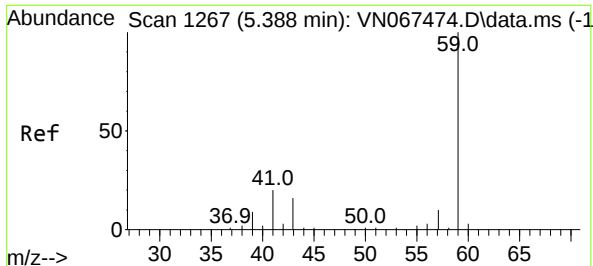
Tgt Ion:168 Resp: 233264
Ion Ratio Lower Upper
168 100
99 80.1 62.9 94.3



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 50 Resp: 1185
Ion Ratio Lower Upper
50 100
52 35.0 25.6 38.4



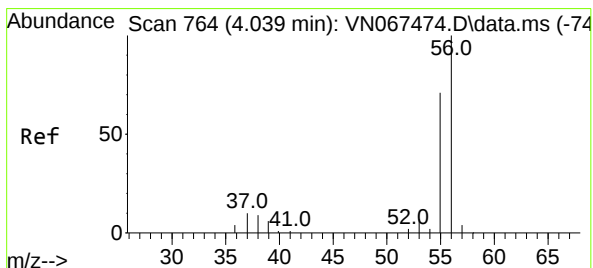
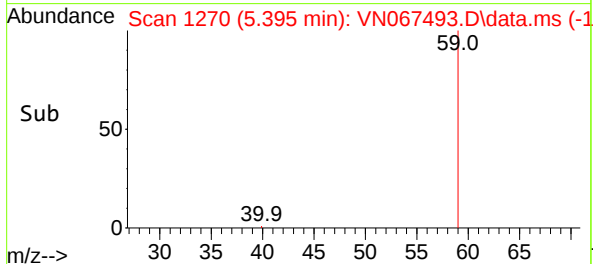
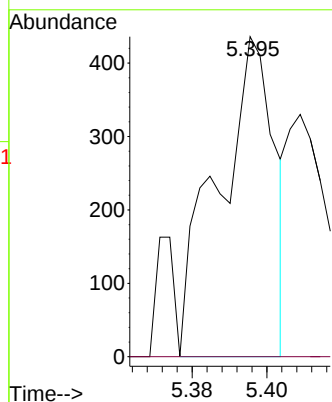
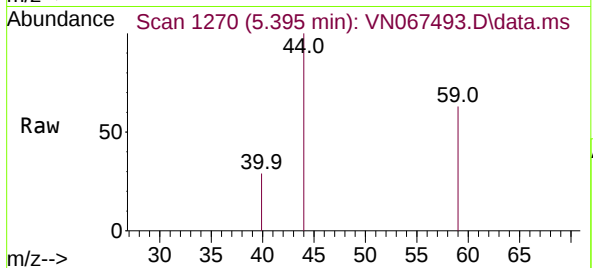


#11

Tert butyl alcohol
Concen: 0.58 ug/l
RT: 5.395 min Scan# 1270
Delta R.T. 0.007 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Instrument :
MSVOA_N
ClientSampled :
ERM-16R

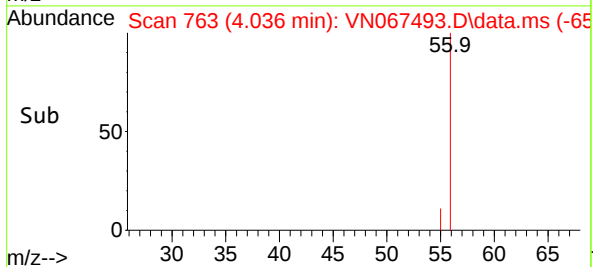
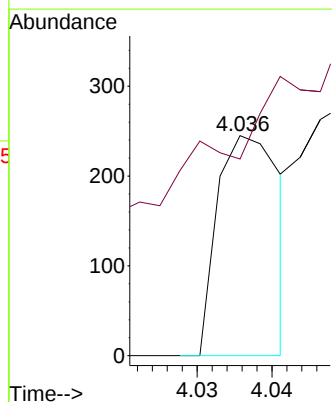
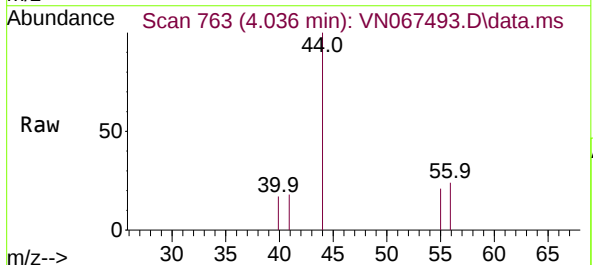
Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

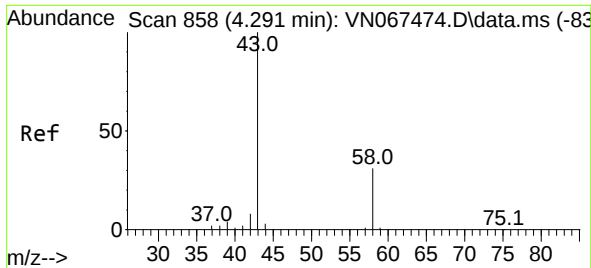


#13

Acrolein
Concen: 0.21 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

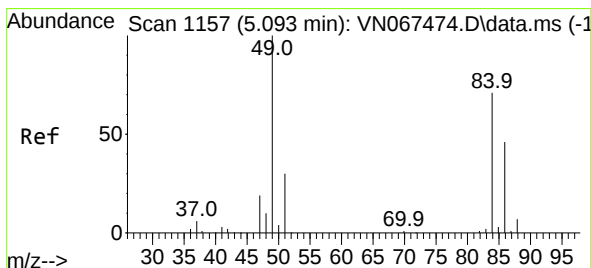
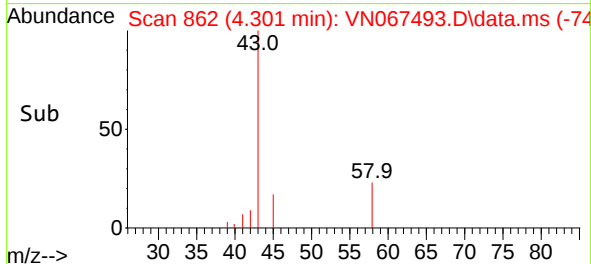
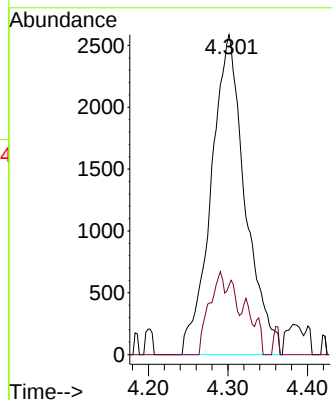
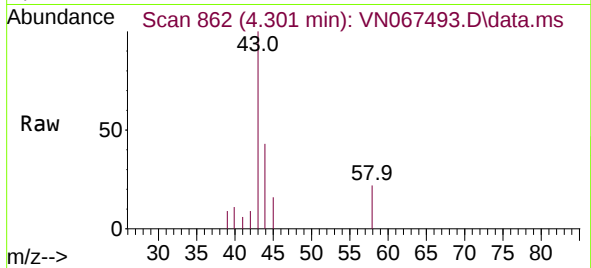




#16
Acetone
Concen: 4.21 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

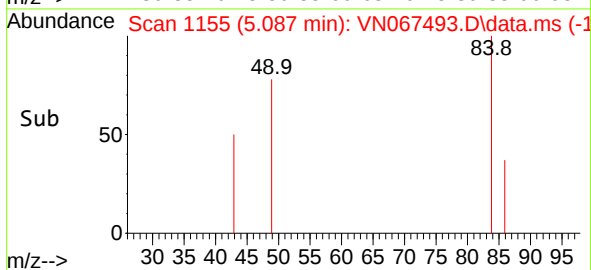
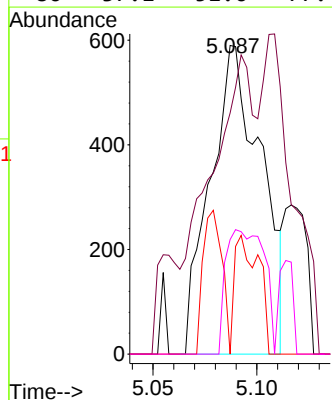
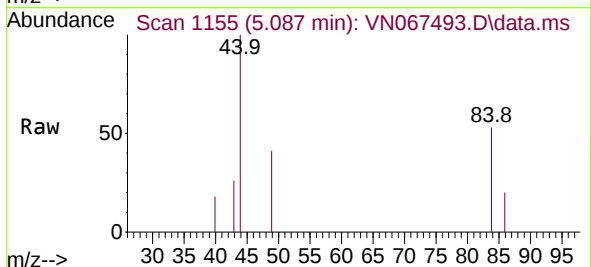
Instrument :
MSVOA_N
ClientSampled :
ERM-16R

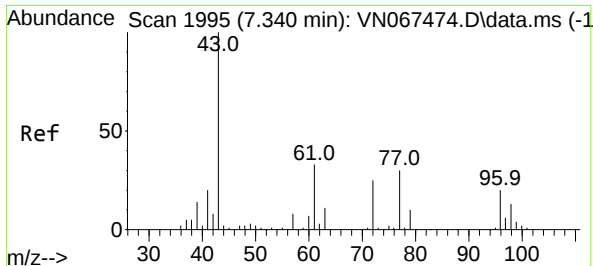
Tgt Ion: 43 Resp: 7696
Ion Ratio Lower Upper
43 100
58 21.6 21.2 31.8



#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 5.087 min Scan# 1155
Delta R.T. -0.006 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 84 Resp: 1005
Ion Ratio Lower Upper
84 100
49 50.7 110.9 166.3#
51 0.0 32.6 49.0#
86 37.1 51.6 77.4#

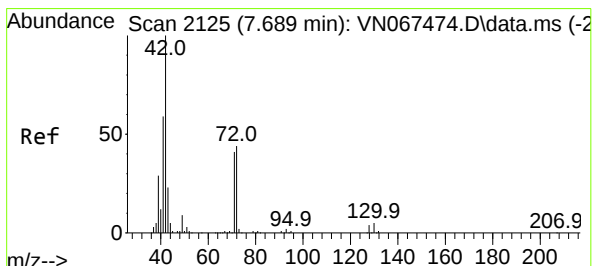
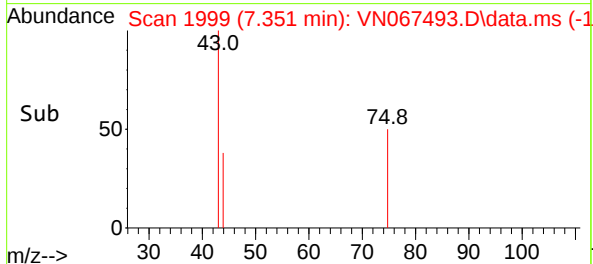
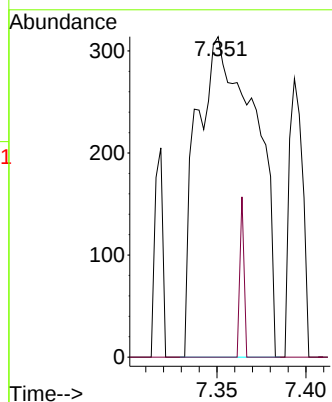
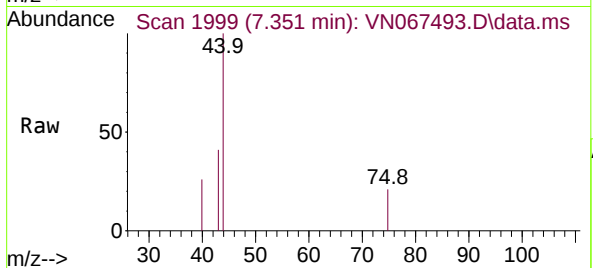




#25
2-Butanone
Concen: 0.25 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

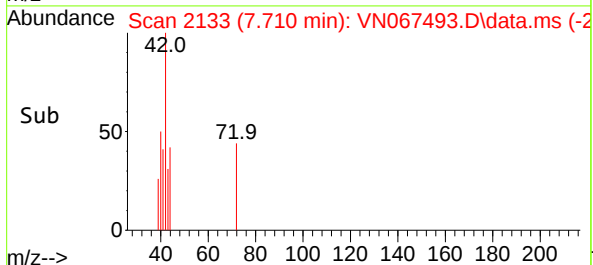
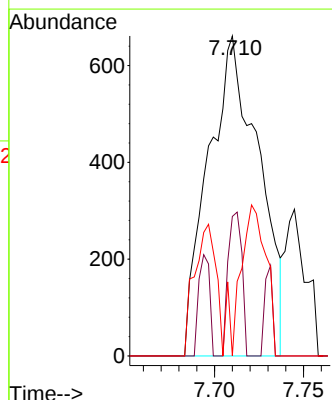
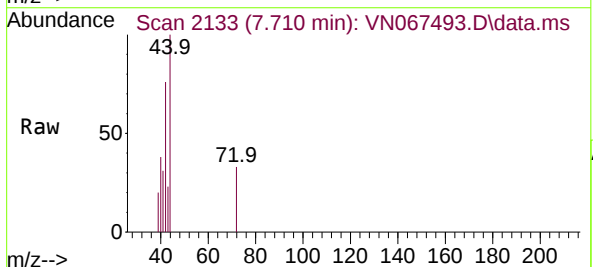
Instrument :
MSVOA_N
ClientSampled :
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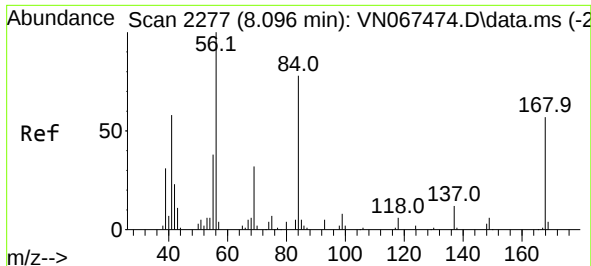
Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.73 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.021 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 42 Resp: 1306
Ion Ratio Lower Upper
42 100
72 12.3 32.8 49.2#
71 0.0 31.2 46.8#

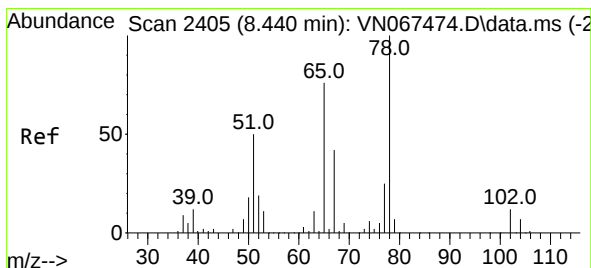
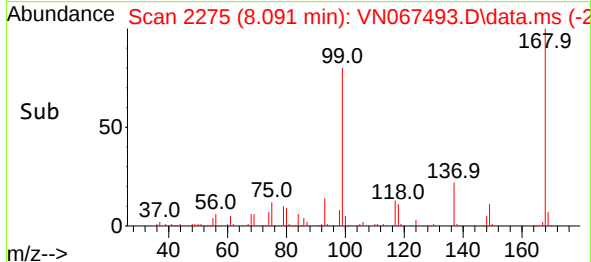
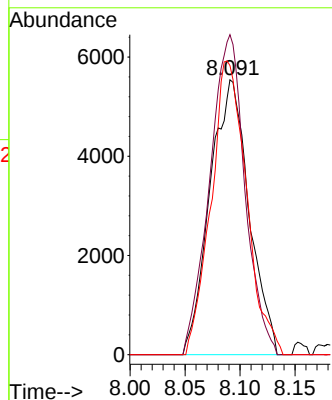
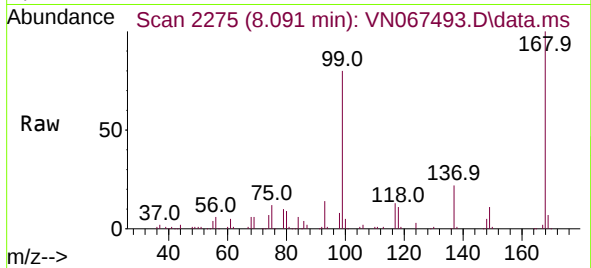




#31
Cyclohexane
Concen: 1.79 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

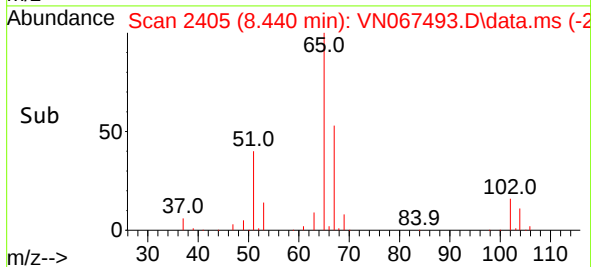
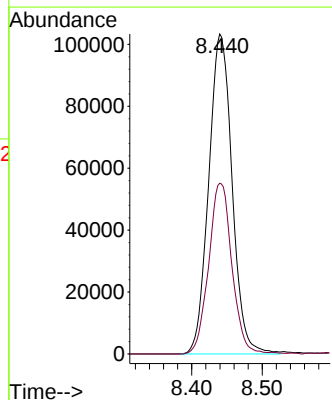
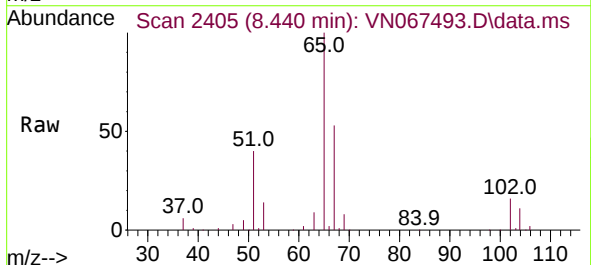
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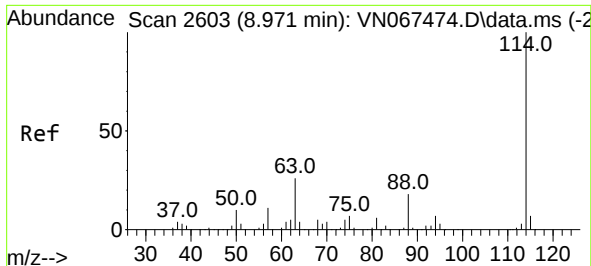
Tgt Ion: 56 Resp: 13679
Ion Ratio Lower Upper
56 100
69 116.4 27.3 40.9#
84 105.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.91 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 65 Resp: 238284
Ion Ratio Lower Upper
65 100
67 52.8 0.0 98.6

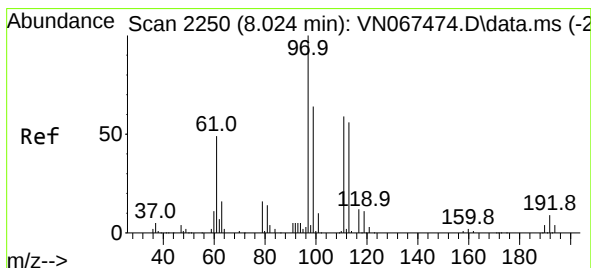
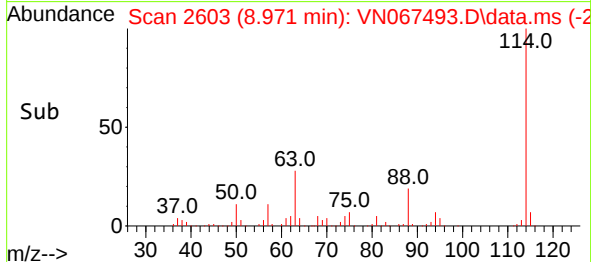
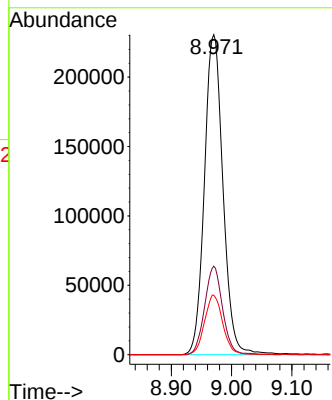
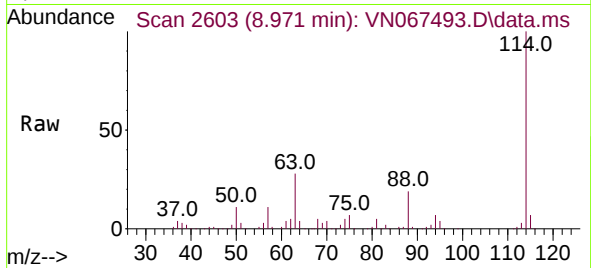




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

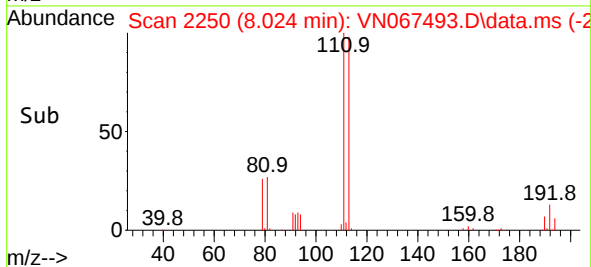
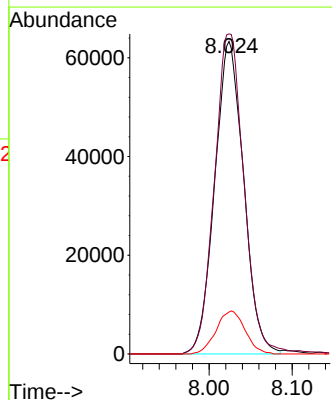
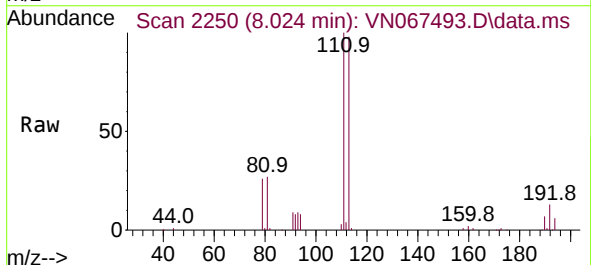
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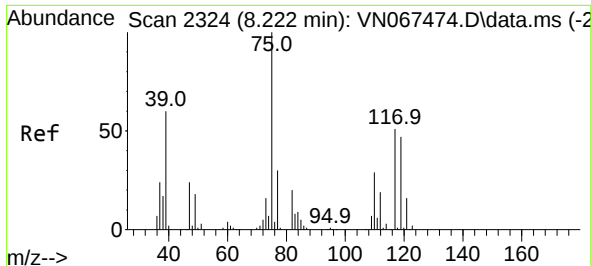
Tgt Ion:114 Resp: 493801
Ion Ratio Lower Upper
114 100
63 27.6 0.0 49.0
88 18.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion:113 Resp: 153015
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 13.8 13.4 20.0

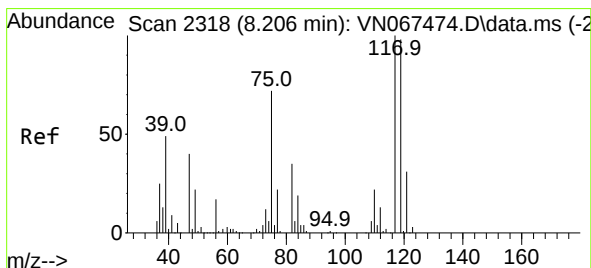
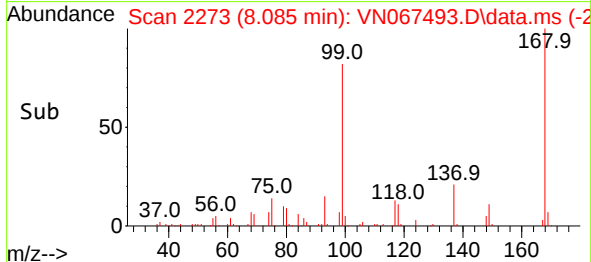
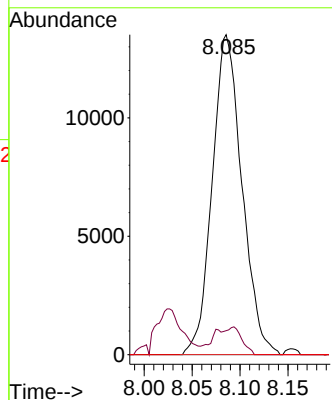
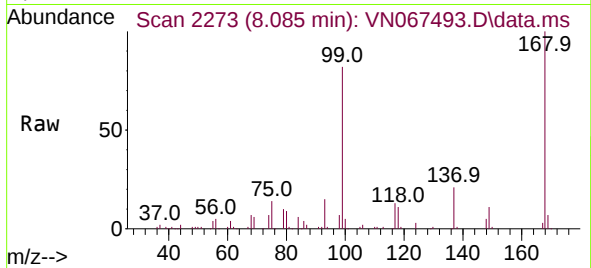




#36
1,1-Dichloropropene
Concen: 5.24 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

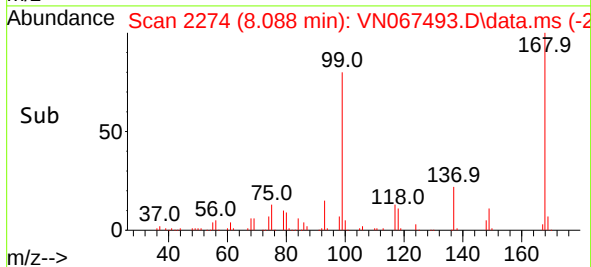
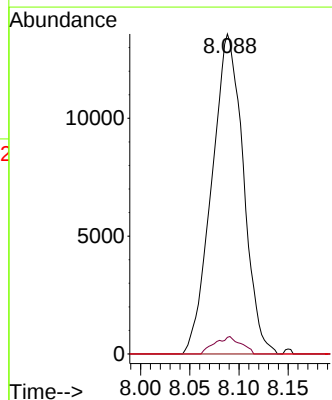
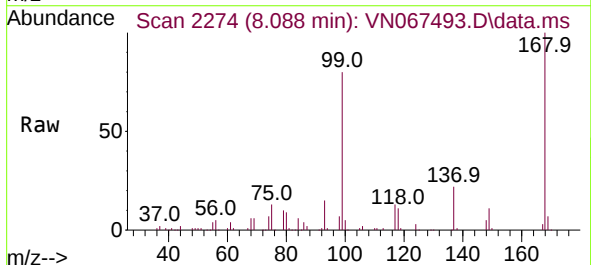
Instrument :
MSVOA_N
ClientSampled :
ERM-16R

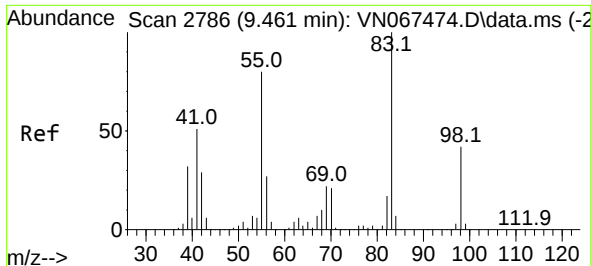
Tgt Ion: 75 Resp: 29135
Ion Ratio Lower Upper
75 100
110 1.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.39 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 117 Resp: 30288
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#





#39

Methylcyclohexane

Concen: 0.61 ug/l

RT: 9.459 min Scan# 2785

Delta R.T. -0.002 min

Lab File: VN067493.D

Acq: 24 Jun 2021 19:20

Tgt Ion: 83 Resp: 3881

Ion Ratio Lower Upper

83 100

55 106.8 66.6 99.8#

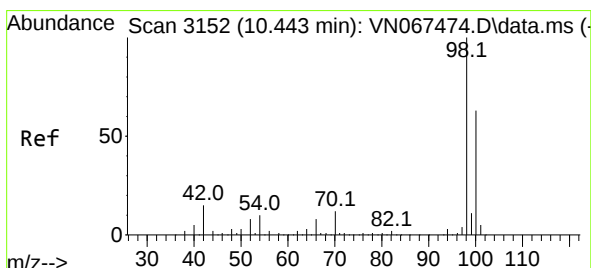
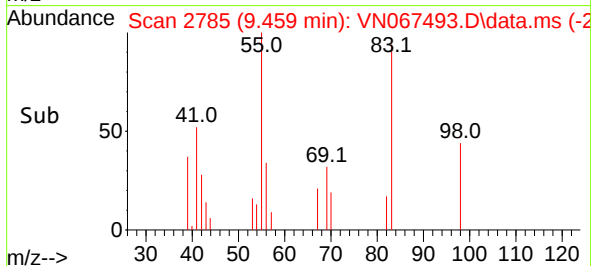
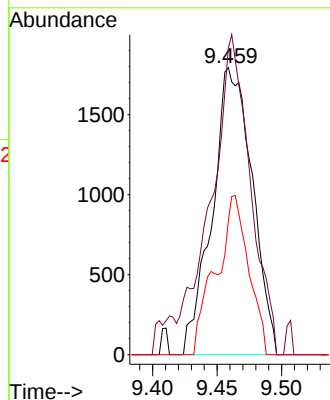
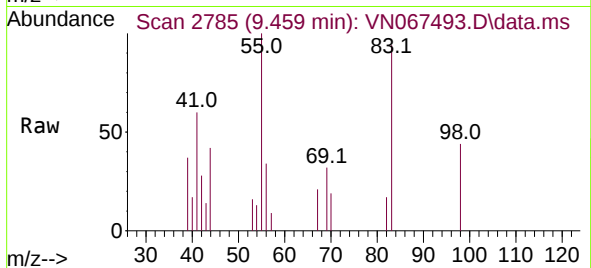
98 46.6 35.3 52.9

Instrument :

MSVOA_N

ClientSampleId :

ERM-16R



#50

Toluene-d8

Concen: 51.10 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067493.D

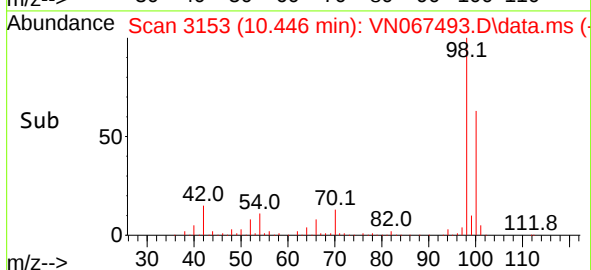
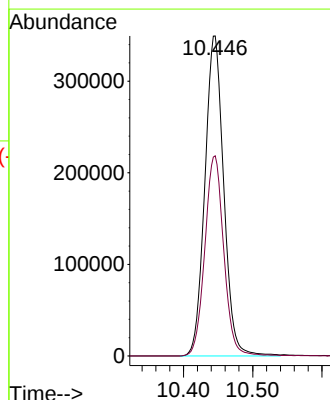
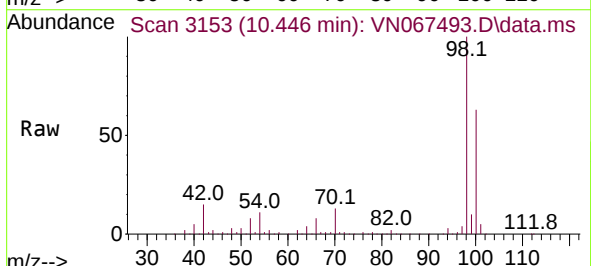
Acq: 24 Jun 2021 19:20

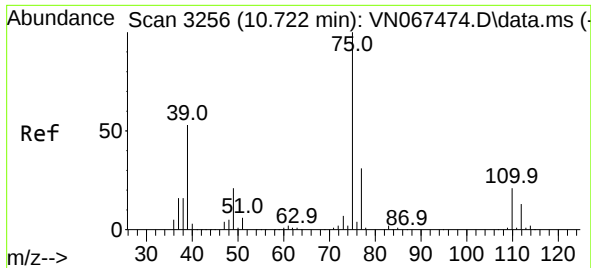
Tgt Ion: 98 Resp: 663032

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5

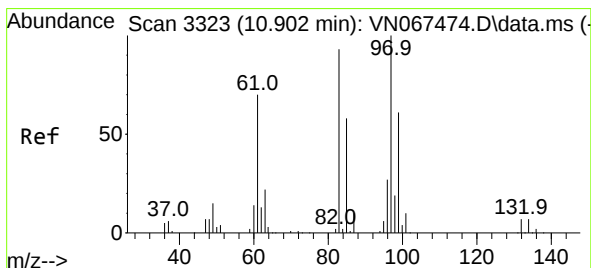
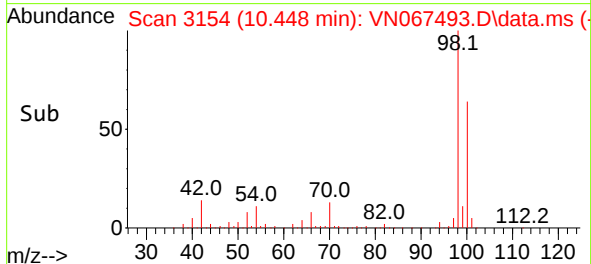
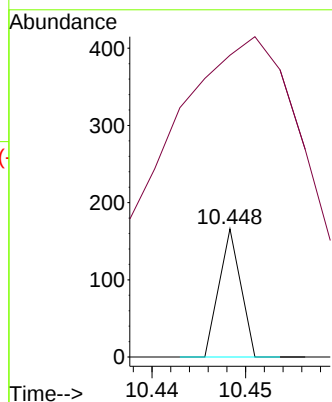
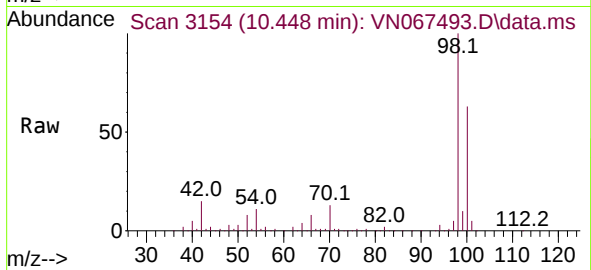




#53
t-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

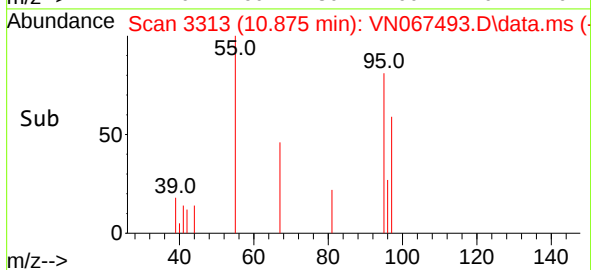
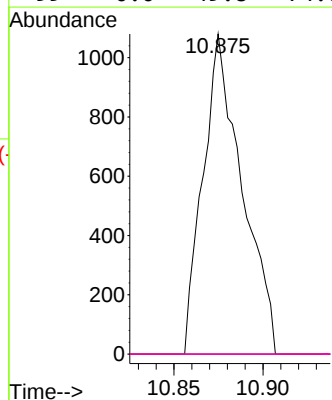
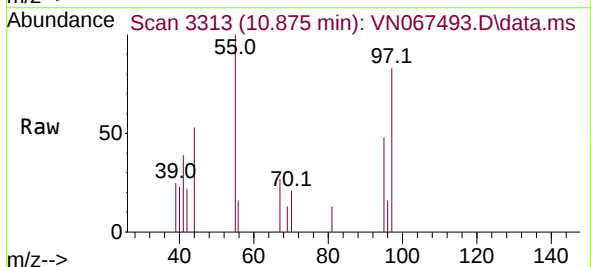
Instrument :
MSVOA_N
ClientSampled :
ERM-16R

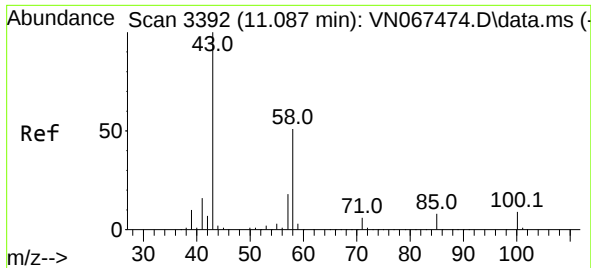
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 41.0 25.1 37.7#



#55
1,1,2-Trichloroethane
Concen: 0.45 ug/l
RT: 10.875 min Scan# 3313
Delta R.T. -0.027 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 97 Resp: 1645
Ion Ratio Lower Upper
97 100
83 0.0 72.0 108.0#
85 0.0 46.8 70.2#
99 0.0 49.8 74.6#

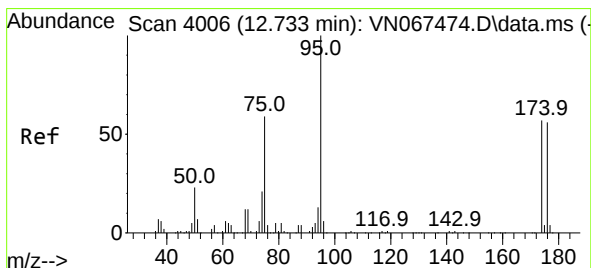
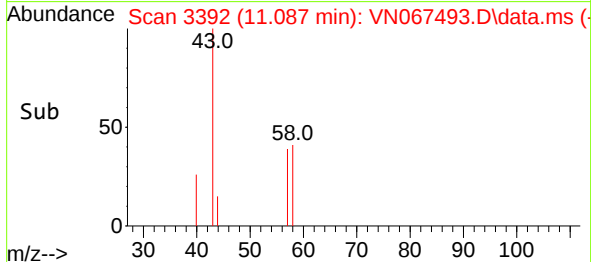
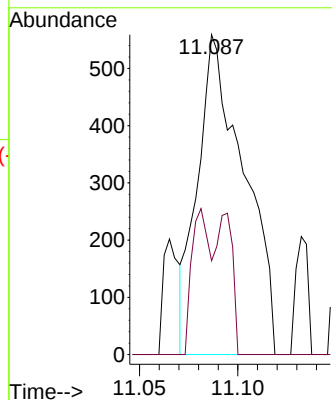
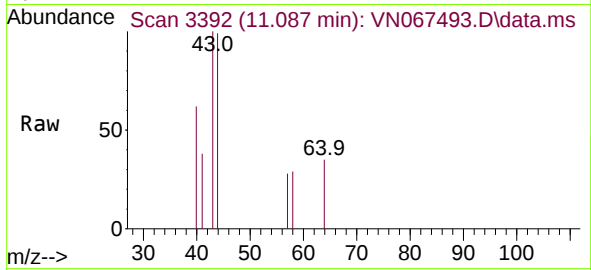




#59
2-Hexanone
Concen: 0.22 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

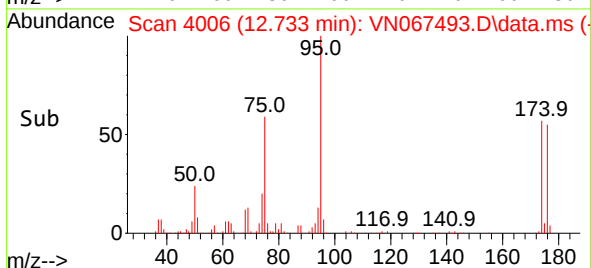
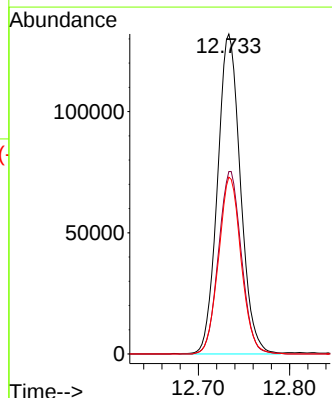
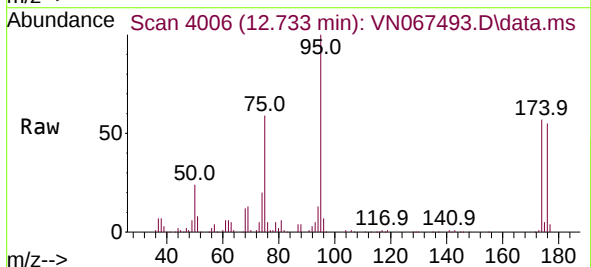
Instrument :
MSVOA_N
ClientSampled :
ERM-16R

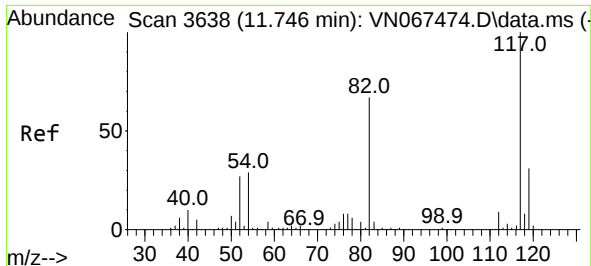
Tgt Ion: 43 Resp: 915
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.87 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 95 Resp: 230540
Ion Ratio Lower Upper
95 100
174 57.0 0.0 122.0
176 54.5 0.0 117.6

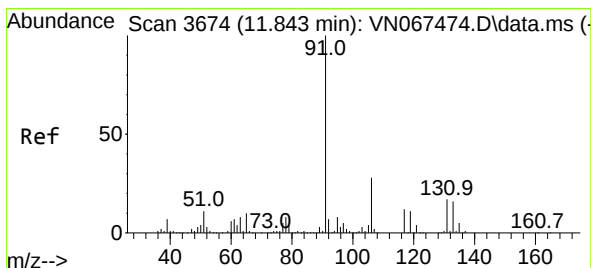
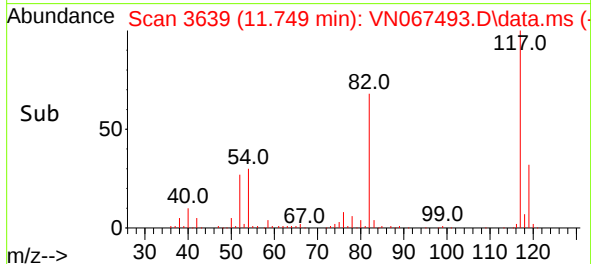
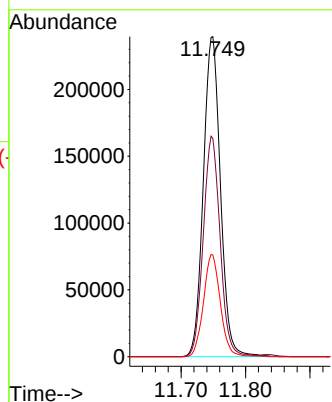
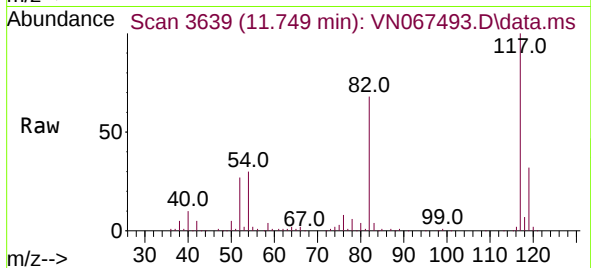




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

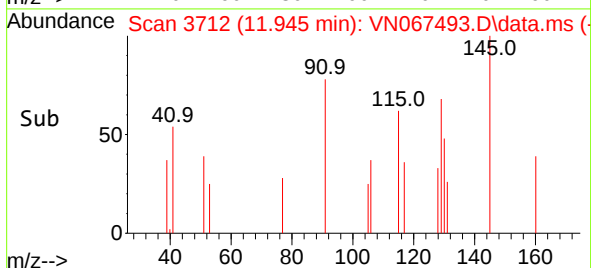
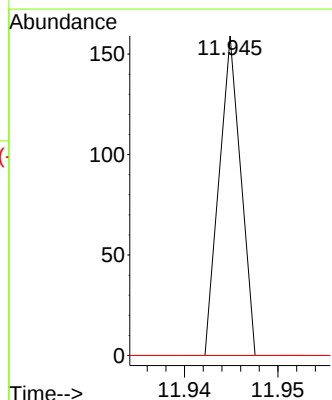
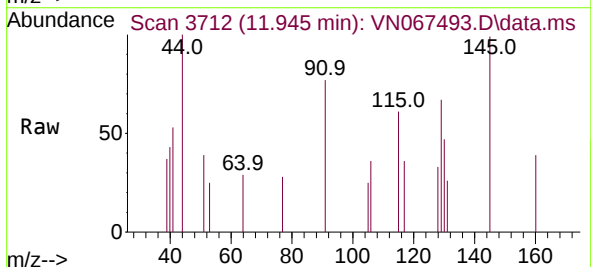
Instrument :
MSVOA_N
ClientSampleId :
ERM-16R

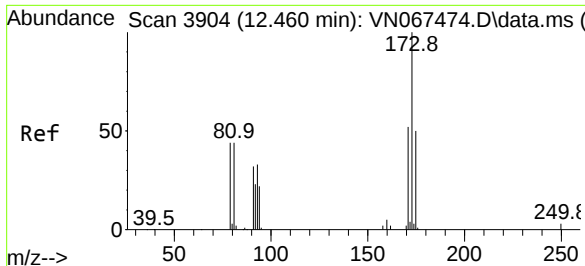
Tgt Ion:117 Resp: 443042
Ion Ratio Lower Upper
117 100
82 68.2 53.1 79.7
119 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 0.72 ug/l
RT: 11.945 min Scan# 3712
Delta R.T. 0.102 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion:131 Resp: 26
Ion Ratio Lower Upper
131 100
133 0.0 47.5 142.5#
119 0.0 33.1 99.3#

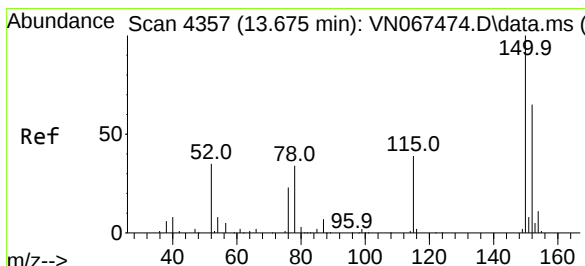
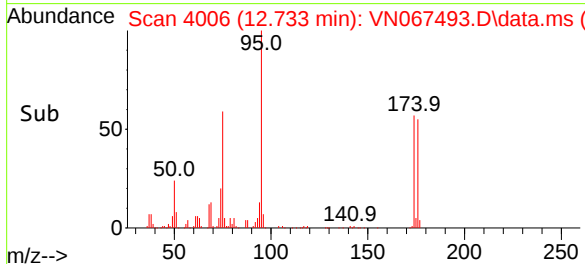
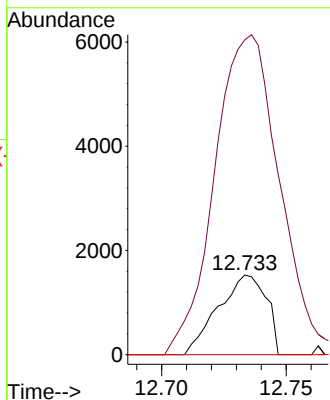
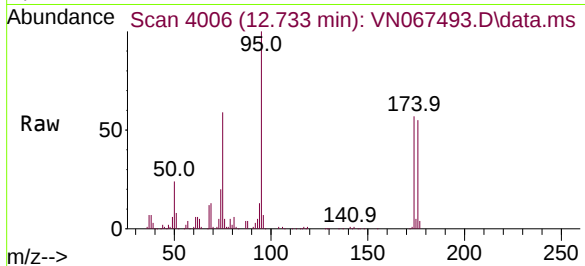




#71
Bromoform
Concen: 3.47 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

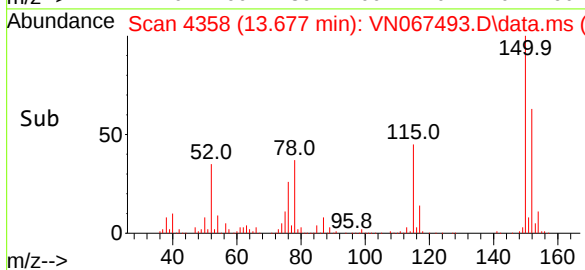
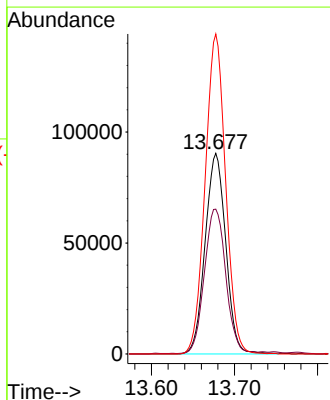
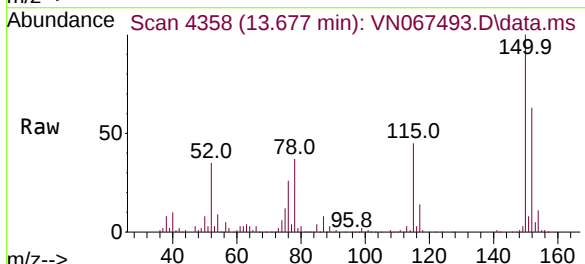
Instrument :
MSVOA_N
ClientSampleId :
ERM-16R

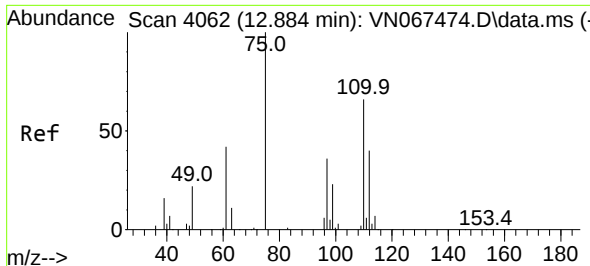
Tgt Ion:173 Resp: 2054
Ion Ratio Lower Upper
173 100
175 491.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion:152 Resp: 155941
Ion Ratio Lower Upper
152 100
115 74.5 36.1 108.5
150 157.7 0.0 351.8

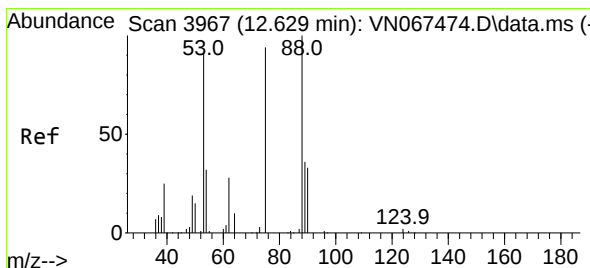
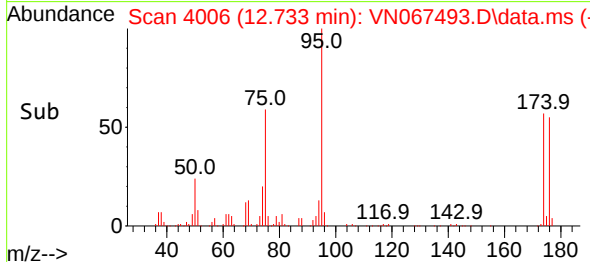
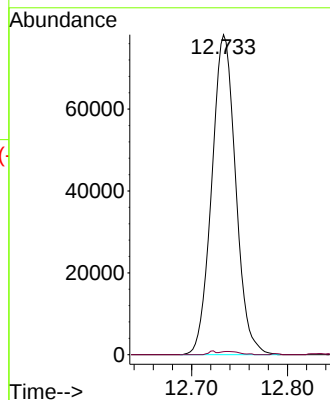
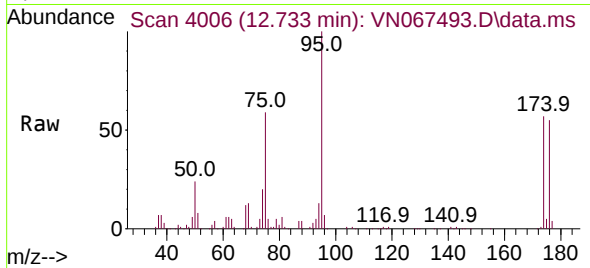




#76
1,2,3-Trichloropropane
Concen: 29.44 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

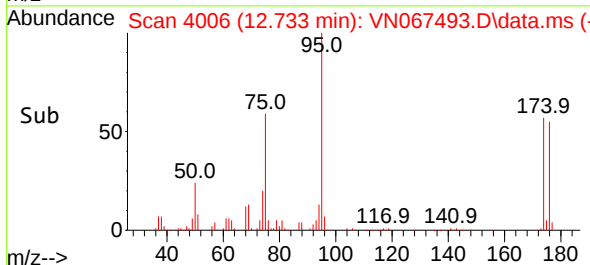
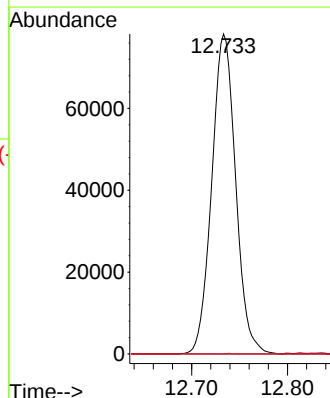
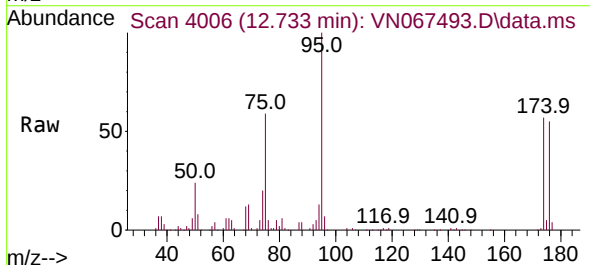
Instrument :
MSVOA_N
ClientSampled :
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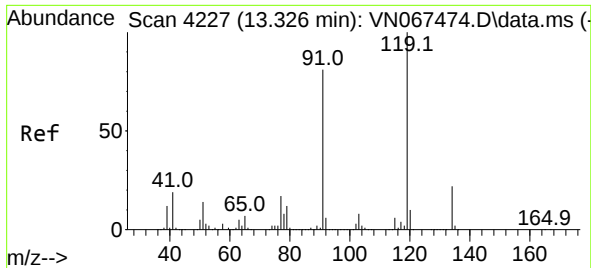
Tgt Ion: 75 Resp: 135142
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.57 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 75 Resp: 135142
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

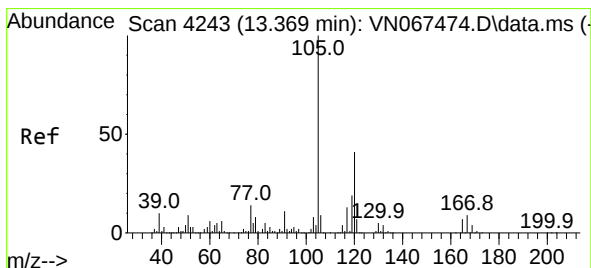
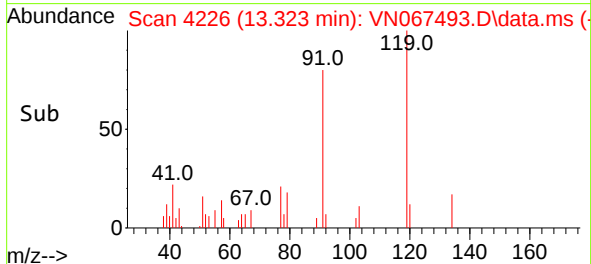
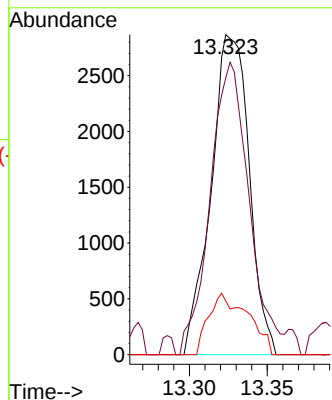
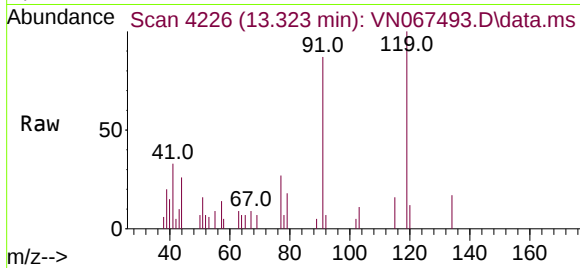




#83
tert-Butylbenzene
Concen: 0.48 ug/l
RT: 13.323 min Scan# 4226
Delta R.T. -0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

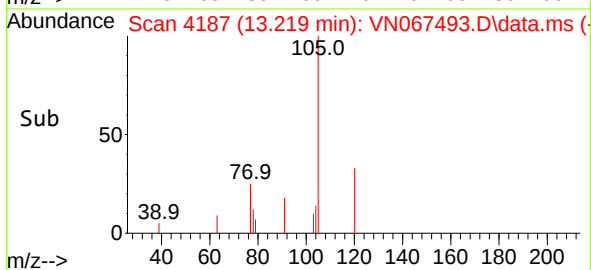
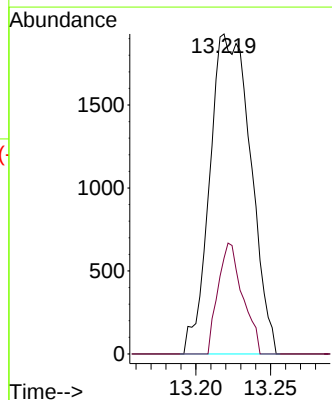
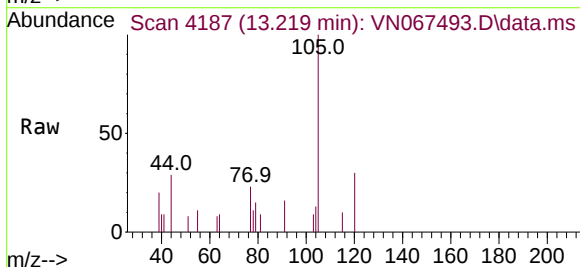
Instrument :
MSVOA_N
ClientSampleId :
ERM-16R

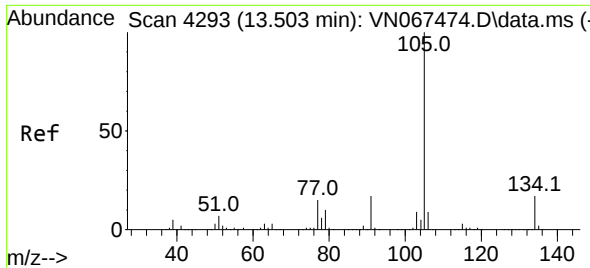
Tgt Ion:	119	Resp:	4875
Ion	Ratio	Lower	Upper
119	100		
91	93.6	39.5	118.5
134	19.8	12.0	36.0



#84
1,2,4-Trimethylbenzene
Concen: 0.29 ug/l
RT: 13.219 min Scan# 4187
Delta R.T. -0.150 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion:	105	Resp:	3654
Ion	Ratio	Lower	Upper
105	100		
120	20.9	20.6	61.8

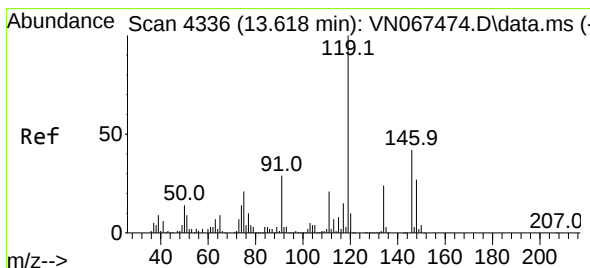
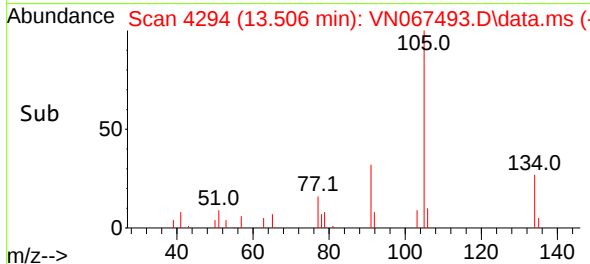
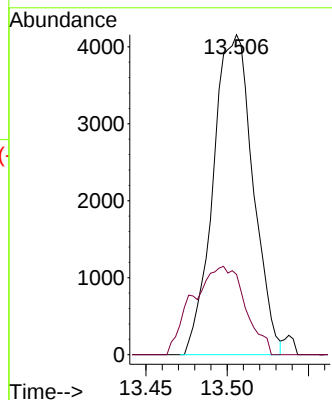
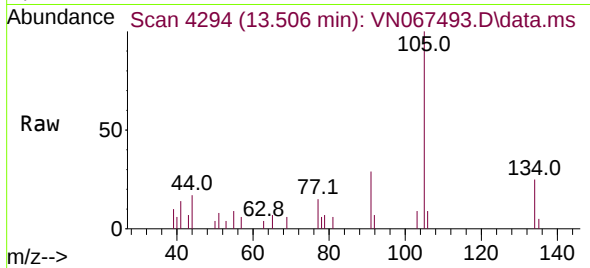




#85
 sec-Butylbenzene
 Concen: 0.46 ug/l
 RT: 13.506 min Scan# 4294
 Delta R.T. 0.003 min
 Lab File: VN067493.D
 Acq: 24 Jun 2021 19:20

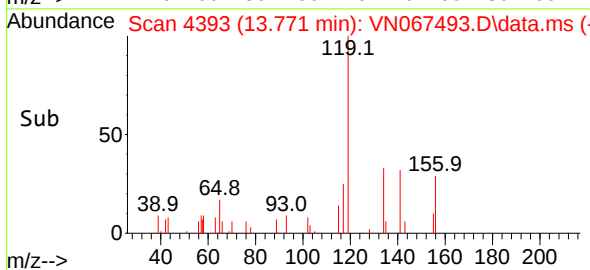
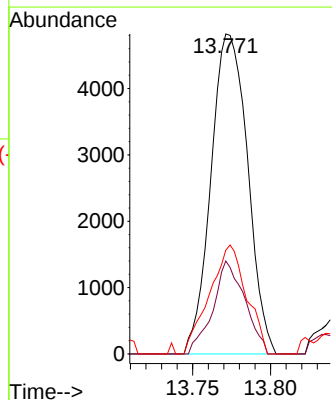
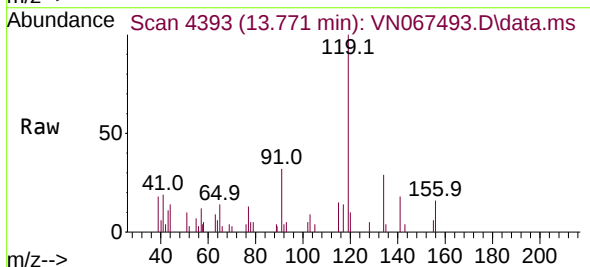
Instrument :
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 ClientSampleId :
 ERM-16R

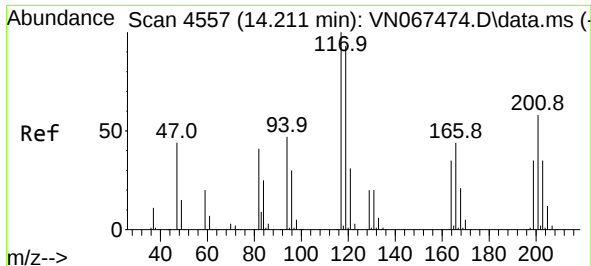
Tgt Ion:105 Resp: 7087
 Ion Ratio Lower Upper
 105 100
 134 36.3 9.0 27.1#



#86
 p-Isopropyltoluene
 Concen: 0.69 ug/l
 RT: 13.771 min Scan# 4393
 Delta R.T. 0.153 min
 Lab File: VN067493.D
 Acq: 24 Jun 2021 19:20

Tgt Ion:119 Resp: 7892
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.4 37.4
 91 34.4 14.8 44.3

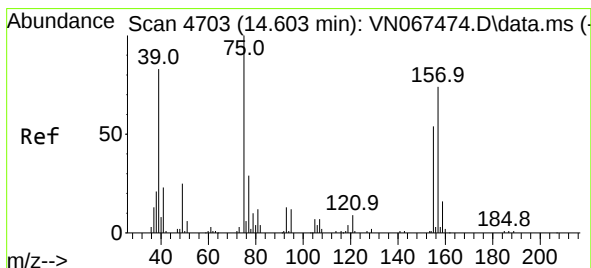
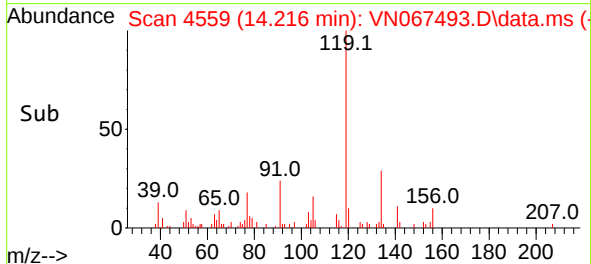
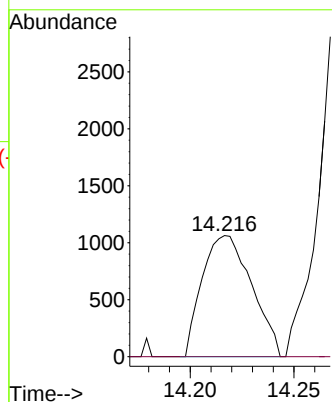
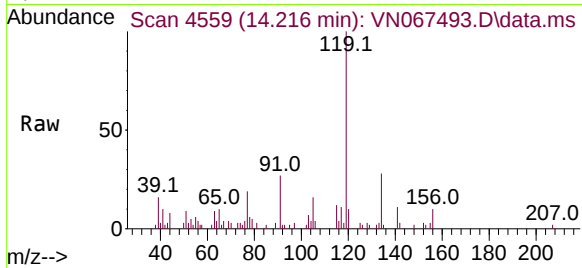




#90
Hexachloroethane
Concen: 0.81 ug/l
RT: 14.216 min Scan# 4559
Delta R.T. 0.005 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

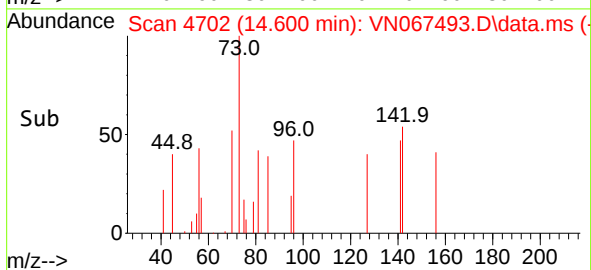
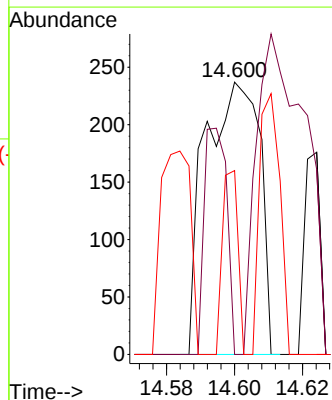
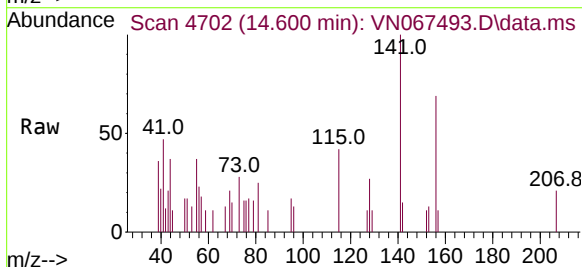
Instrument :
MSVOA_N
ClientSampled :
ERM-16R

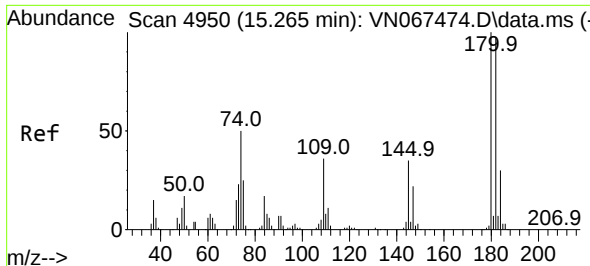
Tgt Ion:117 Resp: 1766
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.29 ug/l
RT: 14.600 min Scan# 4702
Delta R.T. -0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

Tgt Ion: 75 Resp: 263
Ion Ratio Lower Upper
75 100
155 34.2 29.8 89.5
157 19.4 37.6 112.8#

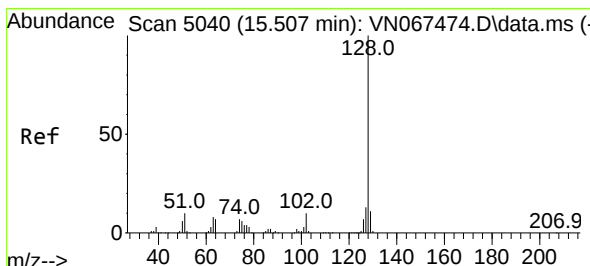
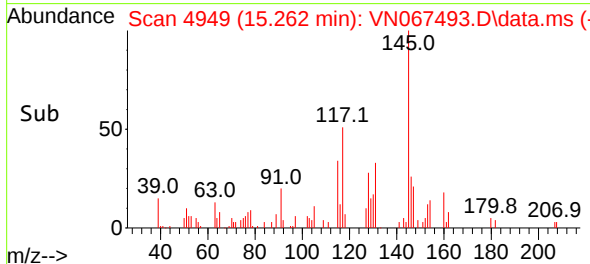
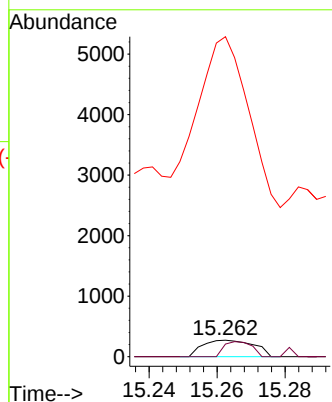
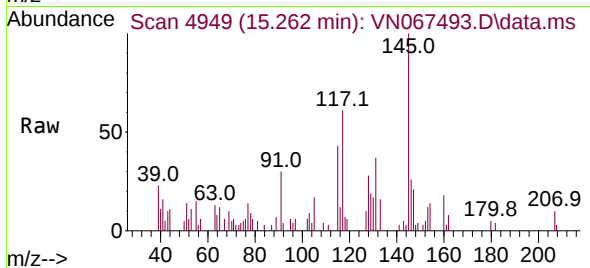




#93
1,2,4-Trichlorobenzene
Concen: 2.43 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

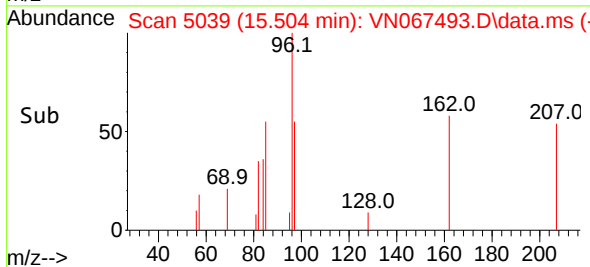
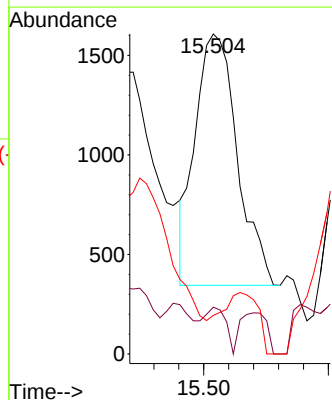
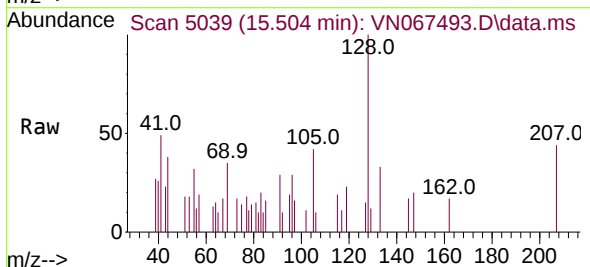
Instrument :
MSVOA_N
ClientSampleId :
ERM-16R

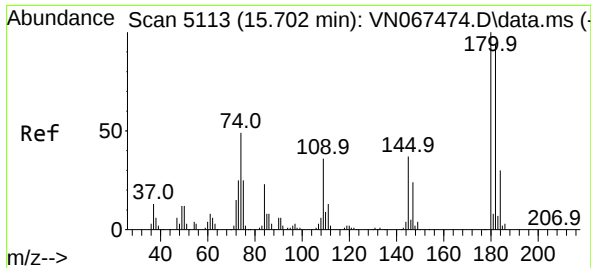
Tgt Ion:180 Resp: 285
Ion Ratio Lower Upper
180 100
182 48.8 47.5 142.5
145 1216.1 17.2 51.6#



#95
Naphthalene
Concen: 3.50 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN067493.D
Acq: 24 Jun 2021 19:20

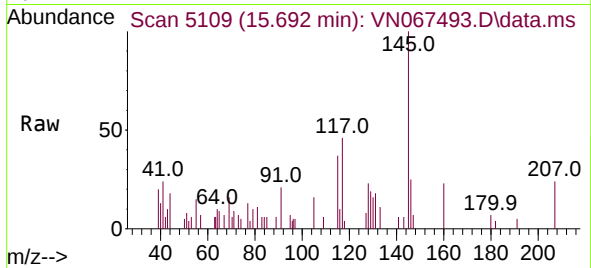
Tgt Ion:128 Resp: 1485
Ion Ratio Lower Upper
128 100
127 8.9 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.57 ug/l
 RT: 15.692 min Scan# 5109
 Delta R.T. -0.010 min
 Lab File: VN067493.D
 Acq: 24 Jun 2021 19:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ERM-16R



Tgt Ion:	180	Resp:	111
Ion	Ratio	Lower	Upper
180	100		
182	229.7	47.8	143.3#
145	0.0	18.2	54.6#

