

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067494.D
 Acq On : 24 Jun 2021 19:44
 Operator : JC/MD
 Sample : M2828-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ERM-19

Quant Time: Jun 25 02:16:19 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)

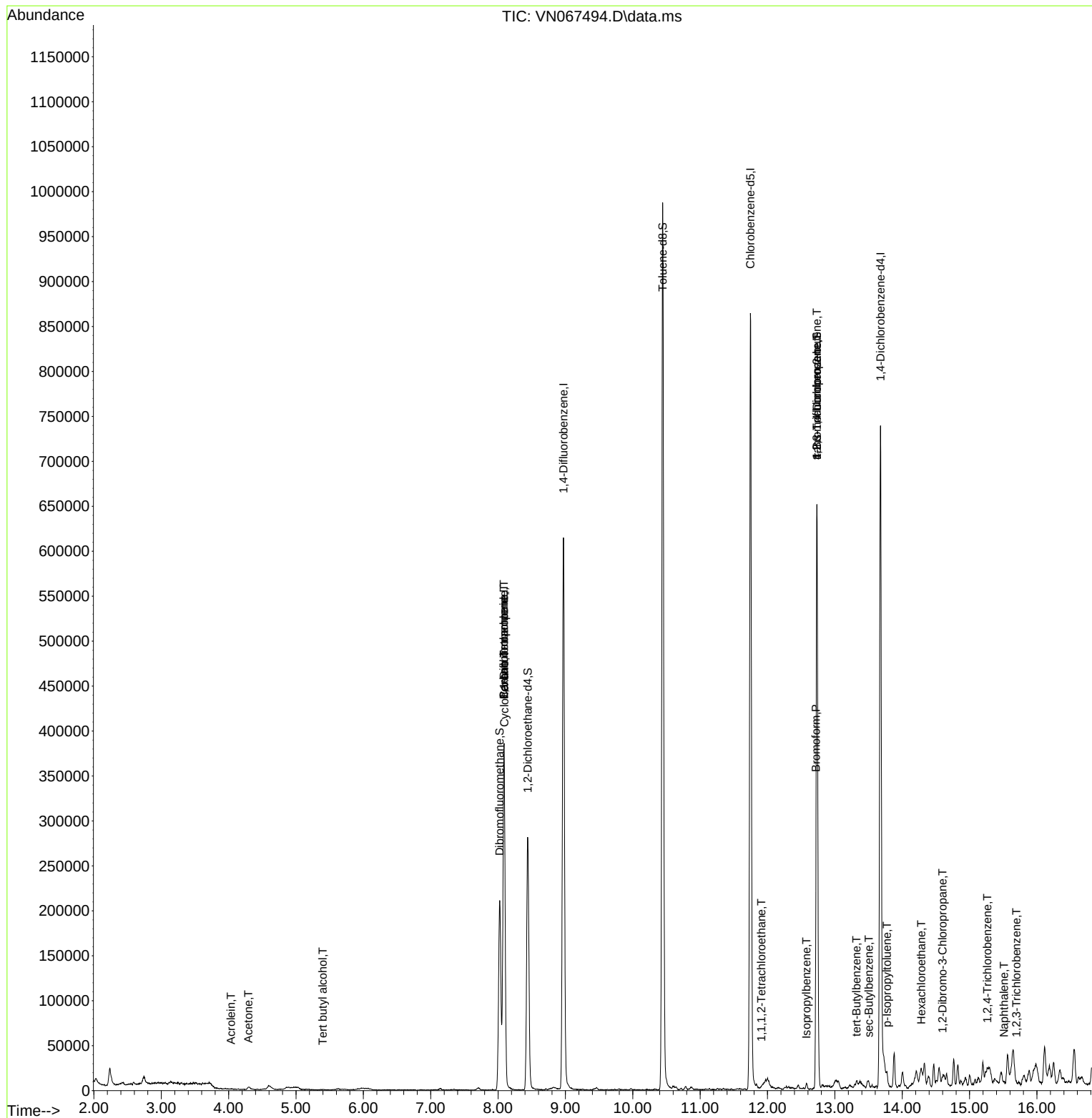
Internal Standards						
1) Pentafluorobenzene	8.088	168	231501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	495848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	445201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	159040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	236387	49.89	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.78%		
35) Dibromofluoromethane	8.024	113	151488	49.59	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.18%		
50) Toluene-d8	10.443	98	667266	51.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.42%		
62) 4-Bromofluorobenzene	12.734	95	228566	49.24	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.48%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.396	59	509	0.66	ug/l #	71
13) Acrolein	4.033	56	208	0.32	ug/l #	1
16) Acetone	4.293	43	2627	1.45	ug/l	100
31) Cyclohexane	8.094	56	10809	1.43	ug/l #	35
36) 1,1-Dichloropropene	8.088	75	28907	5.17	ug/l #	52
38) Carbon Tetrachloride	8.088	117	30341	6.38	ug/l #	17
66) 1,1,1,2-Tetrachloroethane	11.907	131	58	0.73	ug/l #	8
71) Bromoform	12.720	173	182	2.73	ug/l #	29
73) Isopropylbenzene	12.578	105	3986	0.25	ug/l	98
76) 1,2,3-Trichloropropane	12.734	75	135200	28.88	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	135200	79.03	ug/l #	6
83) tert-Butylbenzene	13.321	119	3351	0.32	ug/l #	73
85) sec-Butylbenzene	13.503	105	3891	0.25	ug/l	81
86) p-Isopropyltoluene	13.774	119	6050	0.52	ug/l	91
90) Hexachloroethane	14.284	117	1525	0.69	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.598	75	194	0.21	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.263	180	157	2.38	ug/l #	1
95) Naphthalene	15.509	128	888	3.43	ug/l #	57
96) 1,2,3-Trichlorobenzene	15.694	180	76	2.55	ug/l #	67

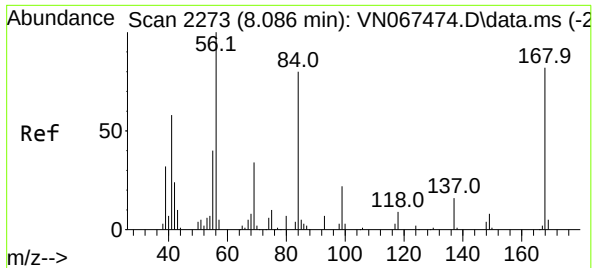
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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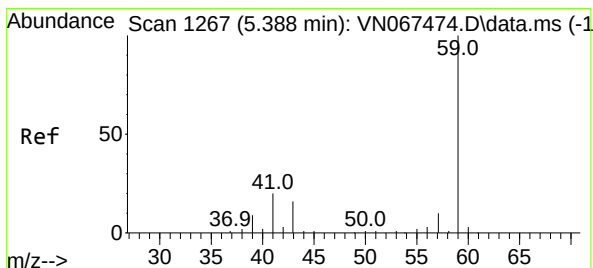
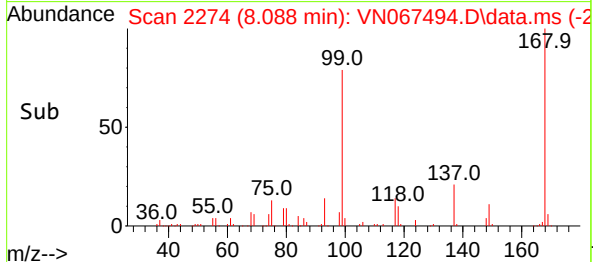
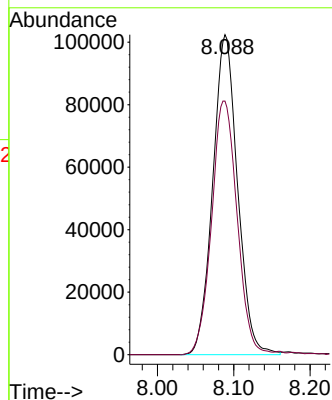
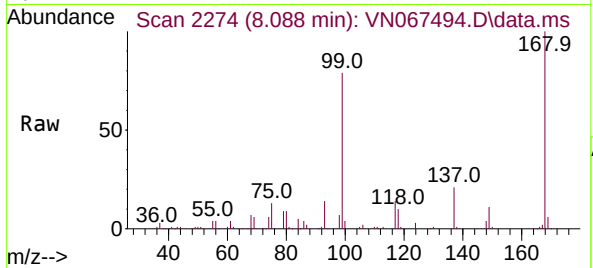




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

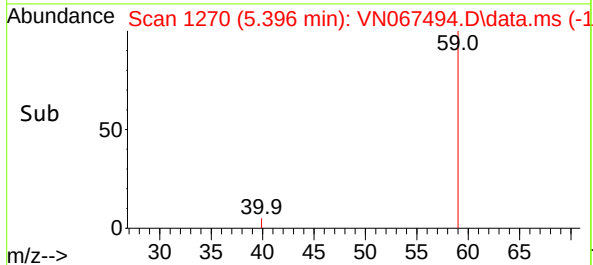
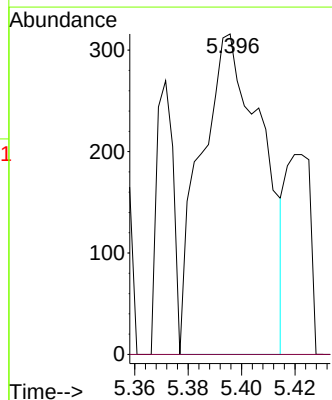
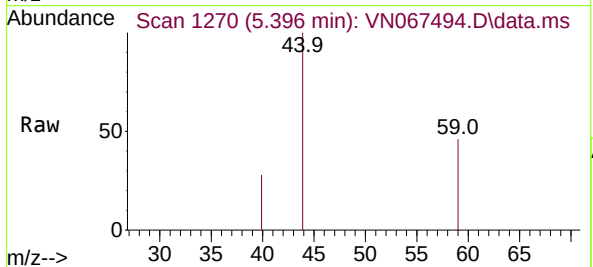
Instrument :
MSVOA_N
ClientSampleId :
ERM-19

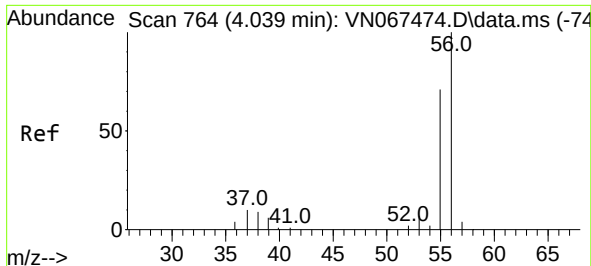
Tgt Ion:168 Resp: 231501
Ion Ratio Lower Upper
168 100
99 79.2 62.9 94.3



#11
Tert butyl alcohol
Concen: 0.66 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.008 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

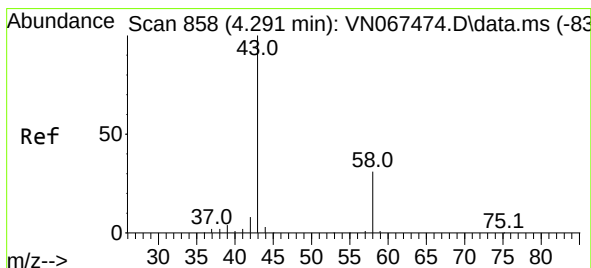
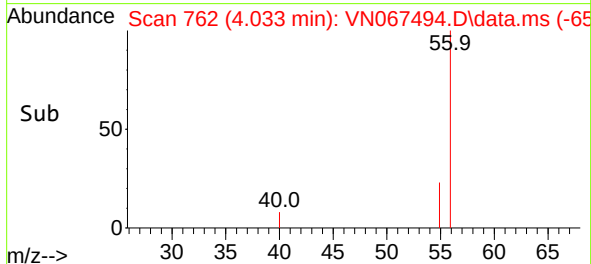
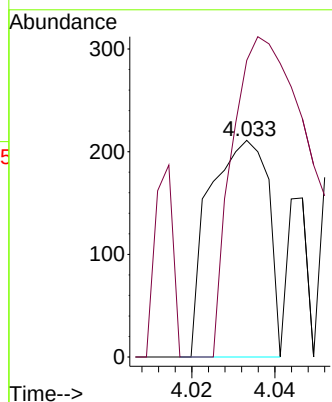
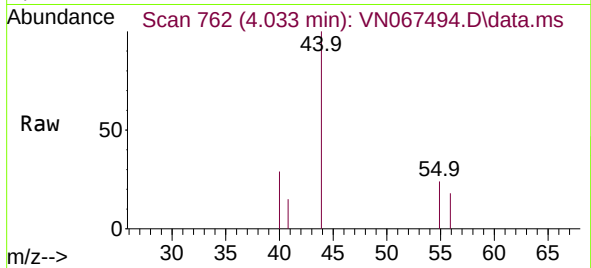




#13
Acrolein
Concen: 0.32 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

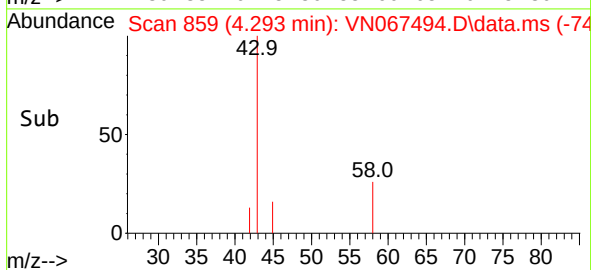
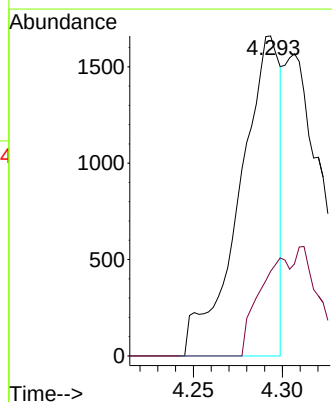
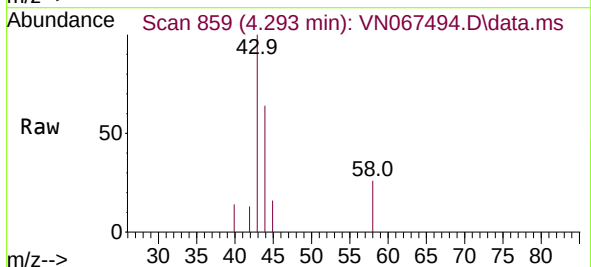
Instrument :
MSVOA_N
ClientSampled :
ERM-19

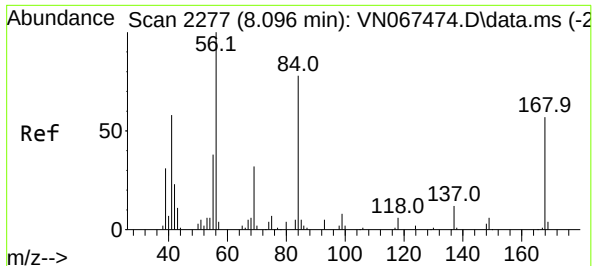
Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 186.5 57.4 86.0#



#16
Acetone
Concen: 1.45 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 43 Resp: 2627
Ion Ratio Lower Upper
43 100
58 26.4 21.2 31.8

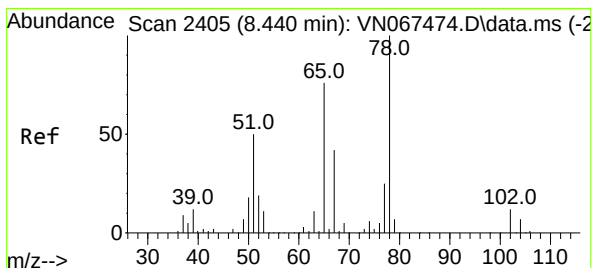
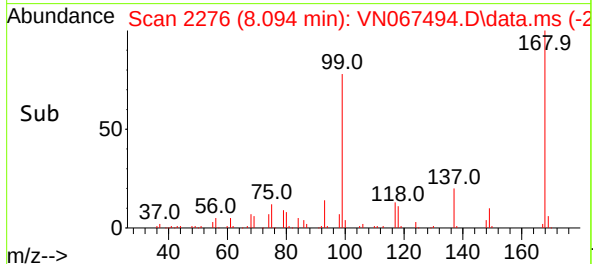
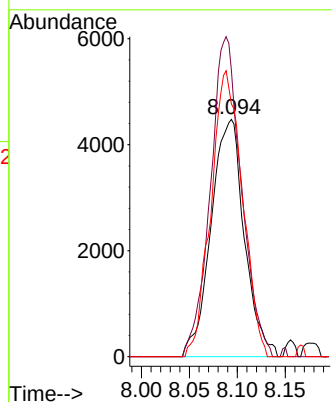
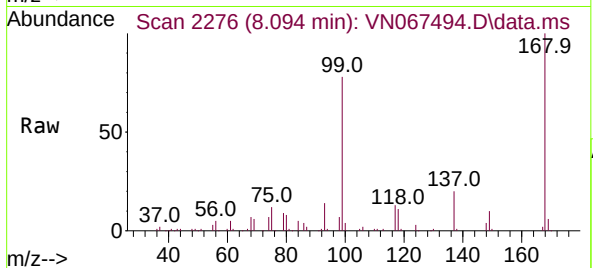




#31
Cyclohexane
Concen: 1.43 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.002 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

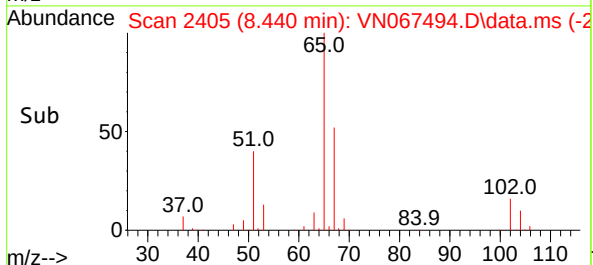
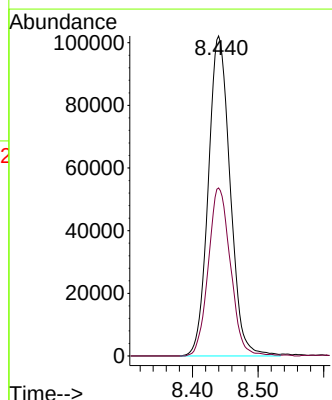
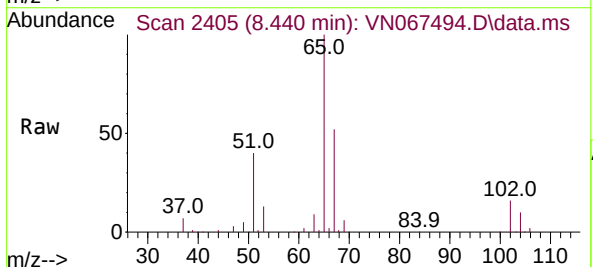
Instrument :
MSVOA_N
ClientSampleId :
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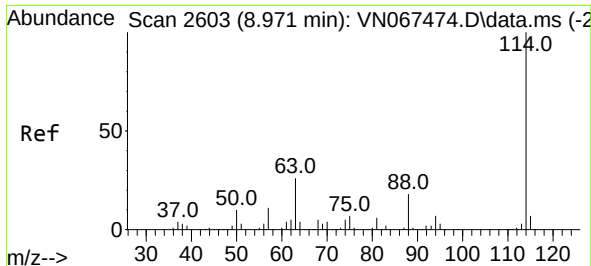
Tgt Ion: 56 Resp: 10809
Ion Ratio Lower Upper
56 100
69 120.7 27.3 40.9#
84 106.5 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.89 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 65 Resp: 236387
Ion Ratio Lower Upper
65 100
67 53.1 0.0 98.6

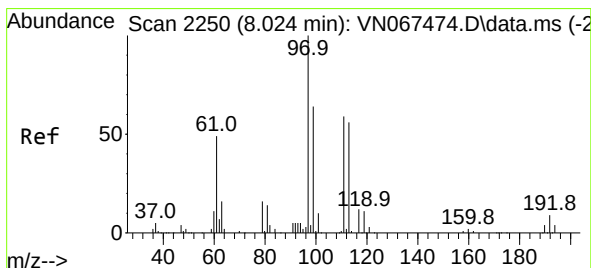
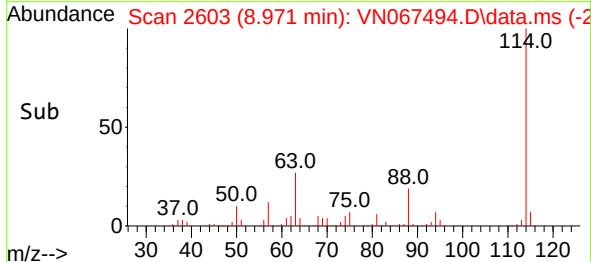
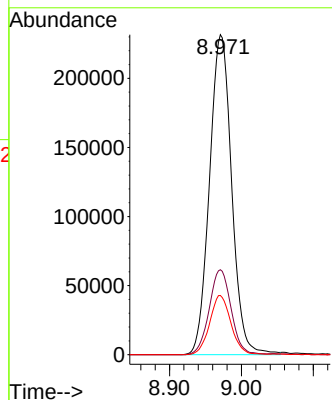
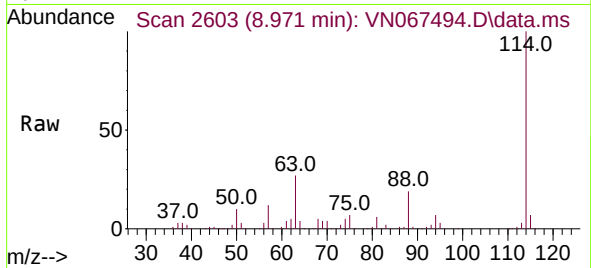




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

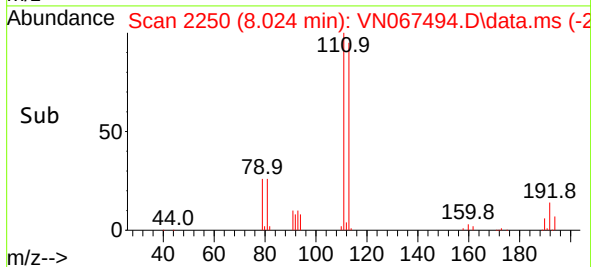
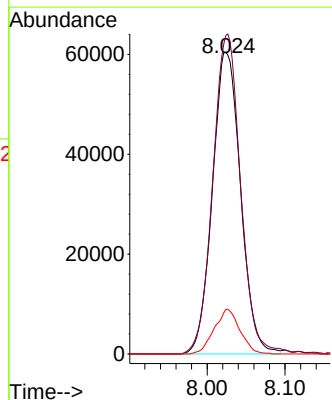
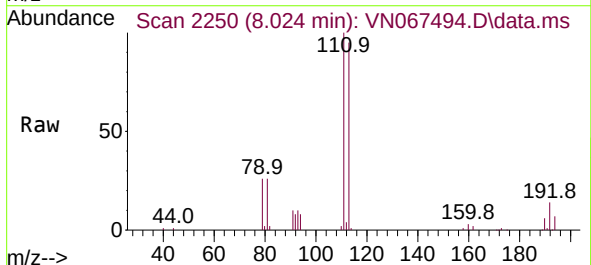
Instrument :
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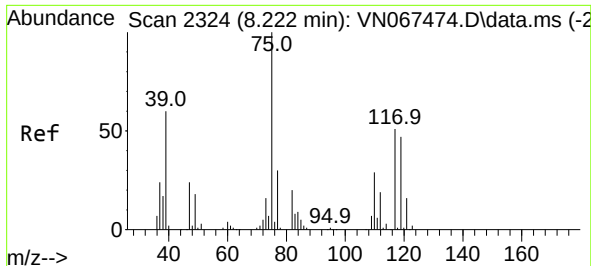
Tgt Ion:	114	Resp:	495848
Ion Ratio	Lower	Upper	
114	100		
63	26.6	0.0	49.0
88	18.5	0.0	36.6



#35
Dibromofluoromethane
Concen: 49.59 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion:	113	Resp:	151488
Ion Ratio	Lower	Upper	
113	100		
111	104.6	83.8	125.8
192	13.6	13.4	20.0

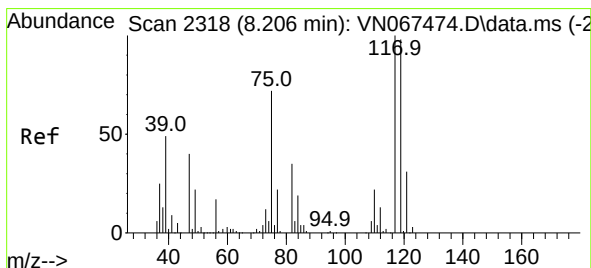
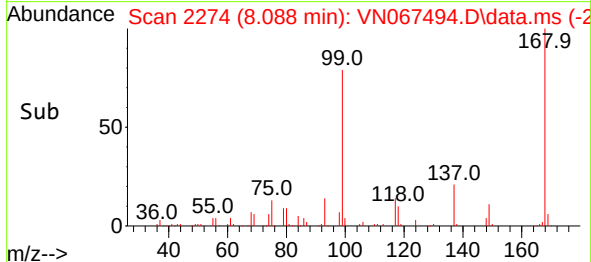
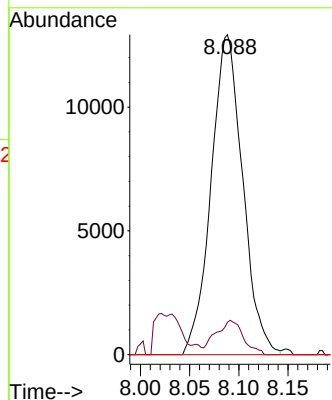
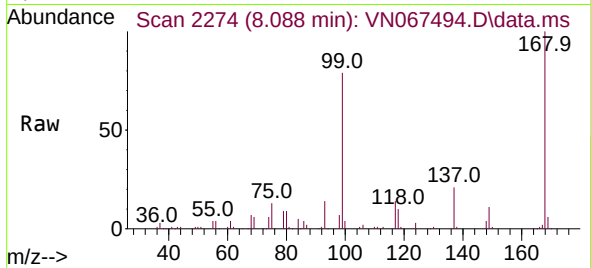




#36
1,1-Dichloropropene
Concen: 5.17 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

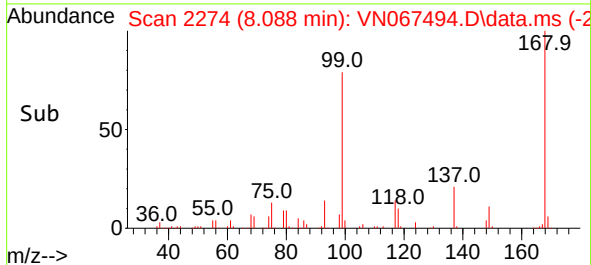
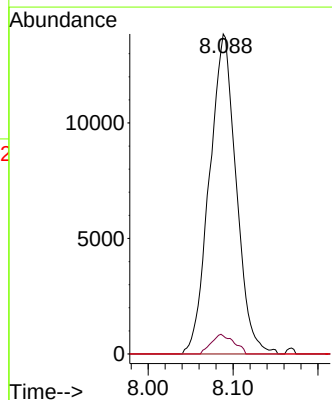
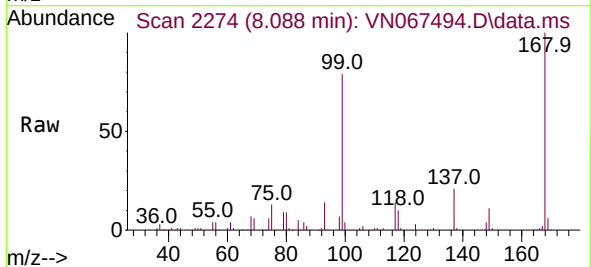
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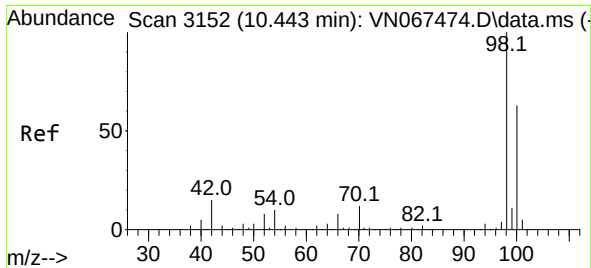
Tgt Ion: 75 Resp: 28907
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.38 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 117 Resp: 30341
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 23.5 35.3#

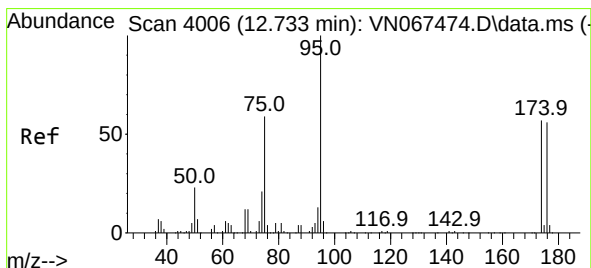
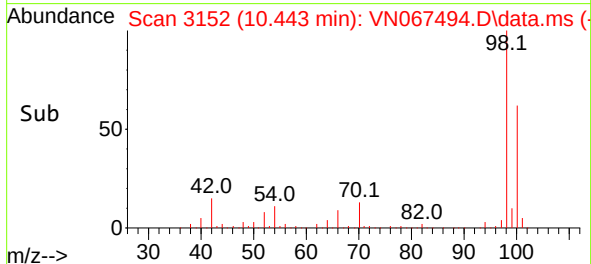
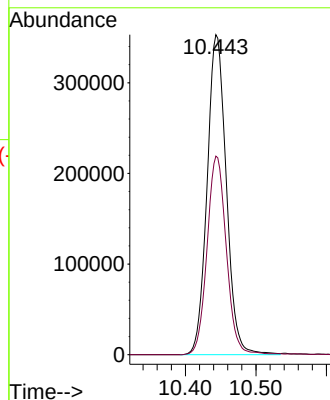
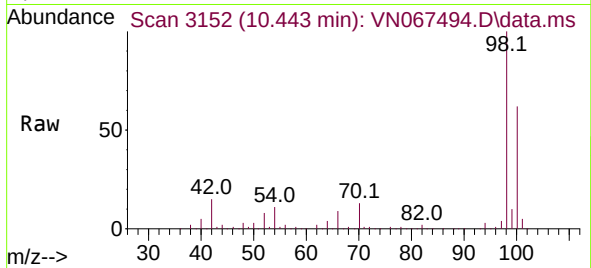




#50
Toluene-d8
Concen: 51.21 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

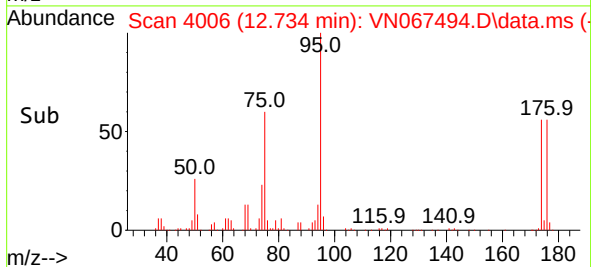
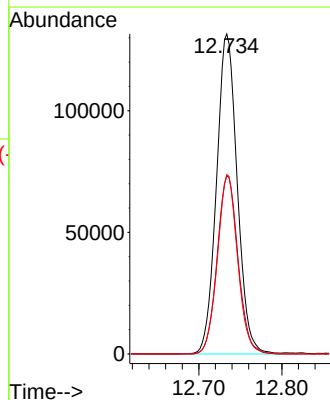
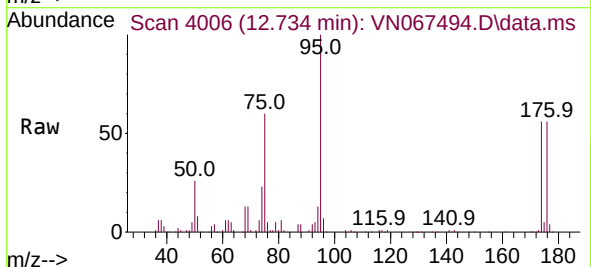
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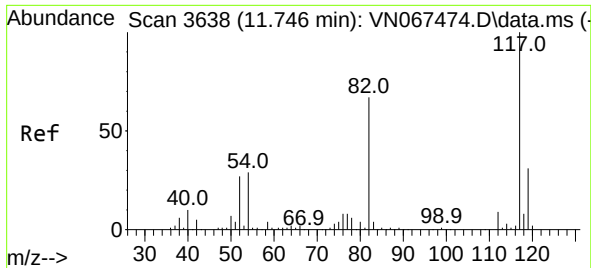
Tgt Ion: 98 Resp: 667266
Ion Ratio Lower Upper
98 100
100 62.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.24 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 95 Resp: 228566
Ion Ratio Lower Upper
95 100
174 55.9 0.0 122.0
176 54.6 0.0 117.6

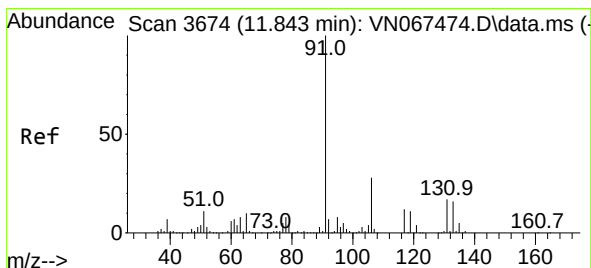
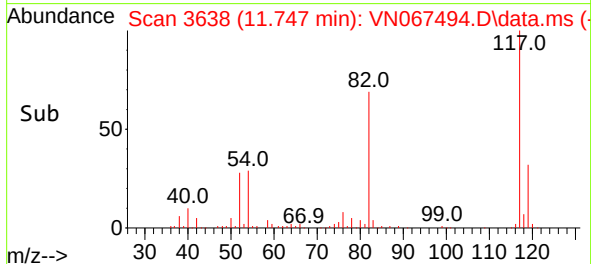
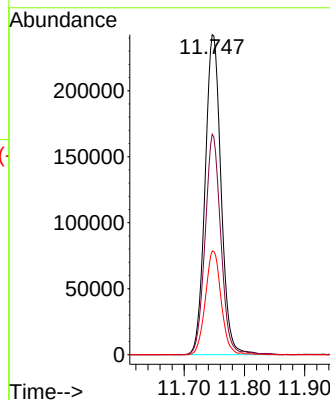
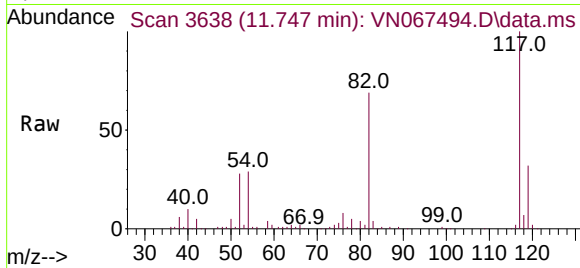




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

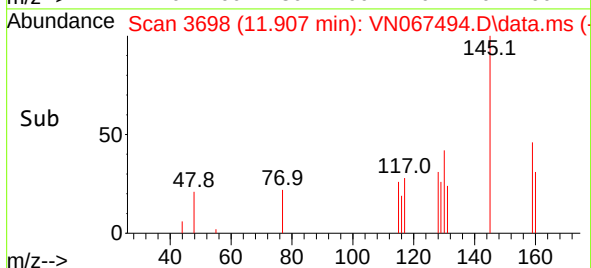
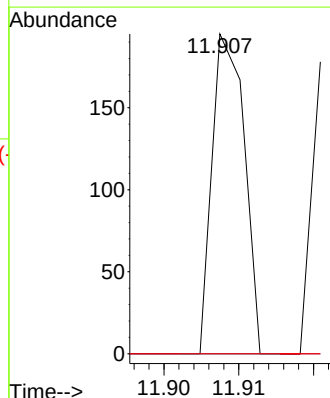
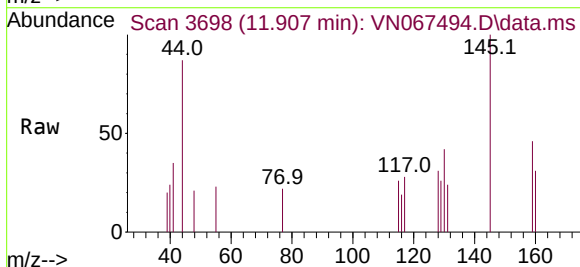
Instrument :
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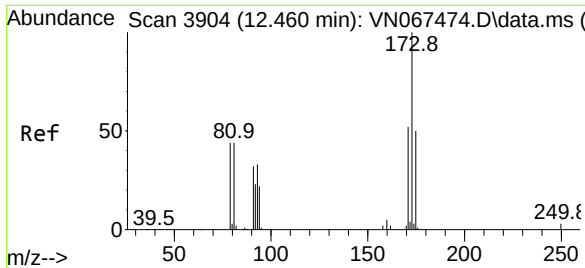
Tgt Ion:	117	Resp:	445201
Ion	Ratio	Lower	Upper
117	100		
82	68.9	53.1	79.7
119	32.4	25.5	38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 0.73 ug/l
RT: 11.907 min Scan# 3698
Delta R.T. 0.064 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion:	131	Resp:	58
Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.5	142.5#
119	0.0	33.1	99.3#

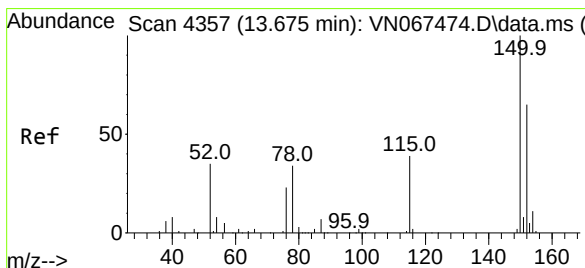
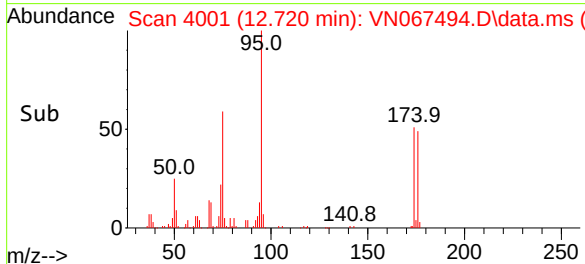
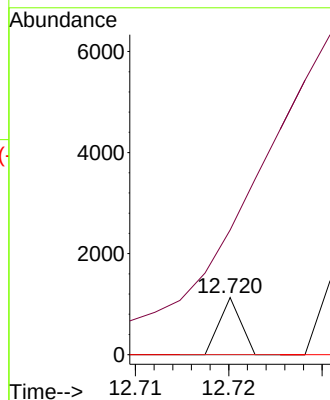
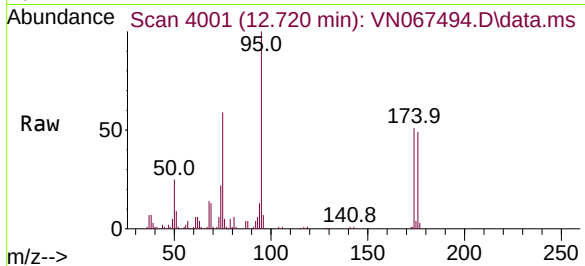




#71
Bromoform
Concen: 2.73 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

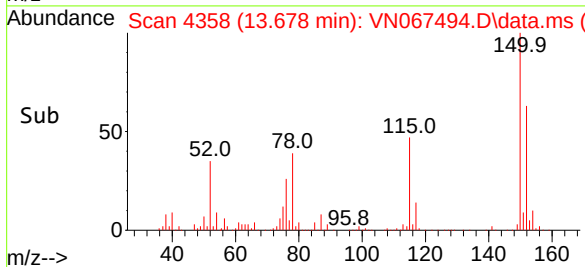
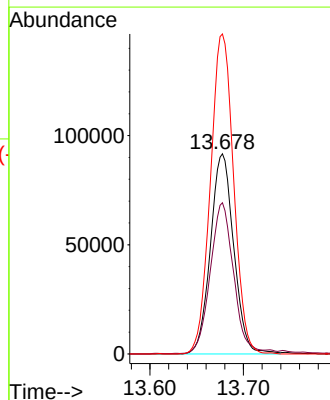
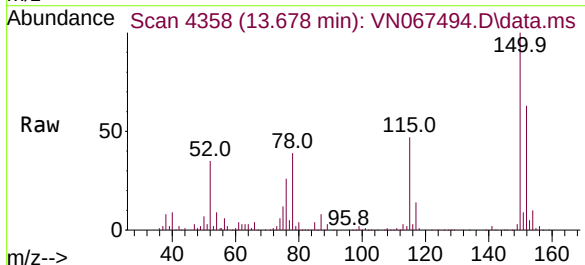
Instrument :
MSVOA_N
ClientSampled :
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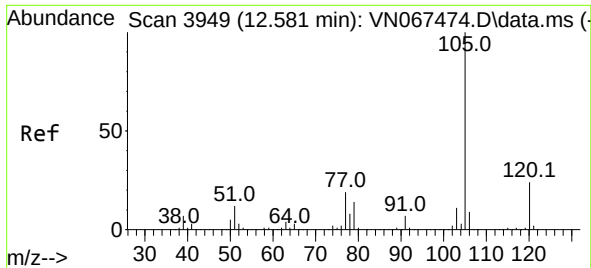
Tgt Ion:173 Resp: 182
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion:152 Resp: 159040
Ion Ratio Lower Upper
152 100
115 75.1 36.1 108.5
150 159.0 0.0 351.8

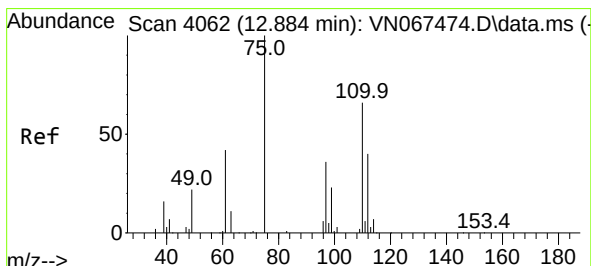
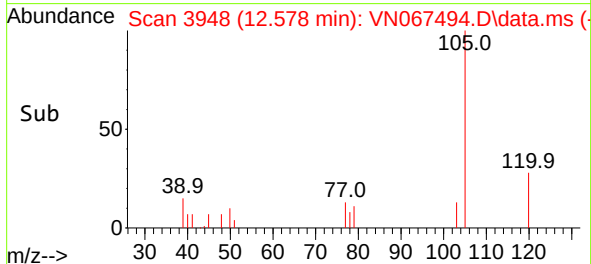
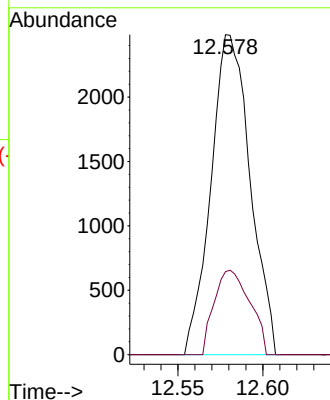
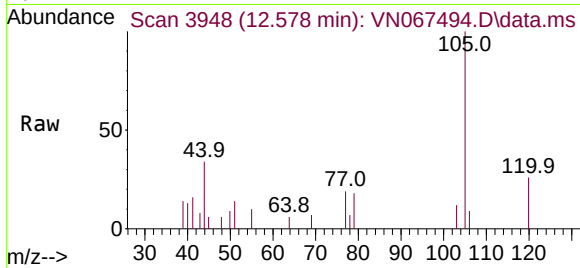




#73
Isopropylbenzene
Concen: 0.25 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

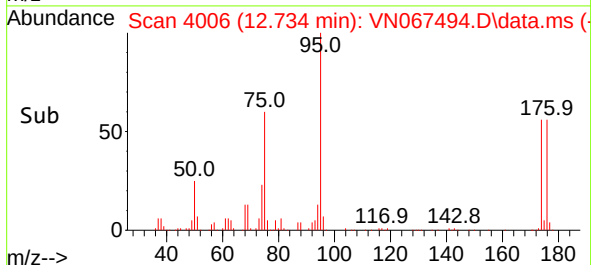
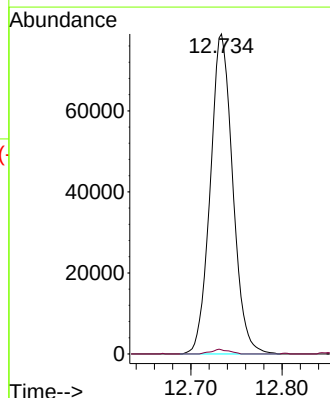
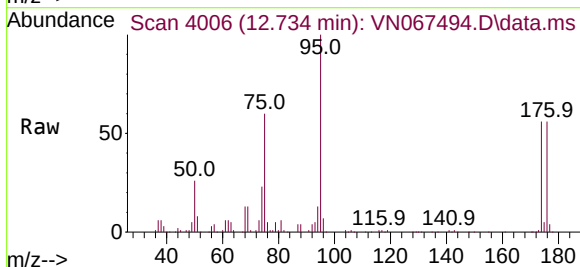
Instrument :
MSVOA_N
ClientSampled :
ERM-19

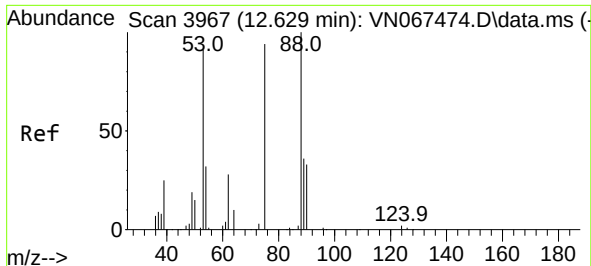
Tgt Ion:105 Resp: 3986
Ion Ratio Lower Upper
105 100
120 24.0 12.5 37.5



#76
1,2,3-Trichloropropane
Concen: 28.88 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 75 Resp: 135200
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

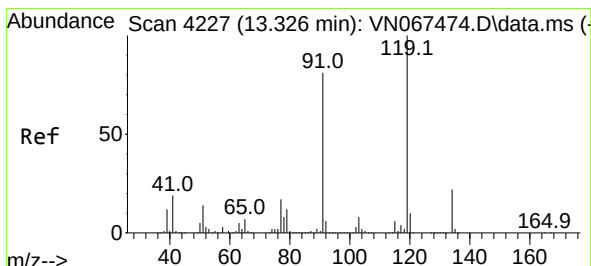
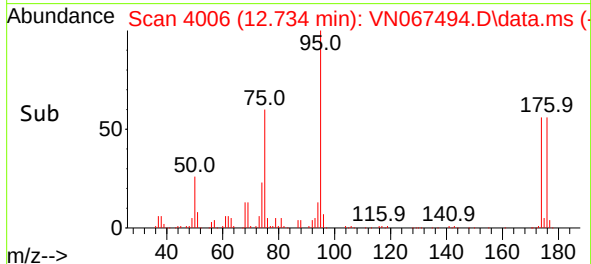
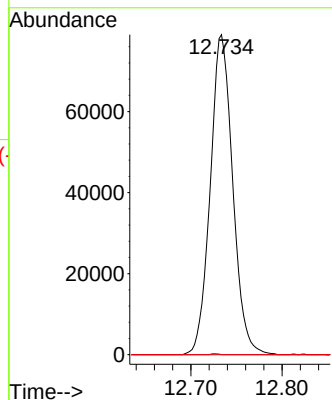
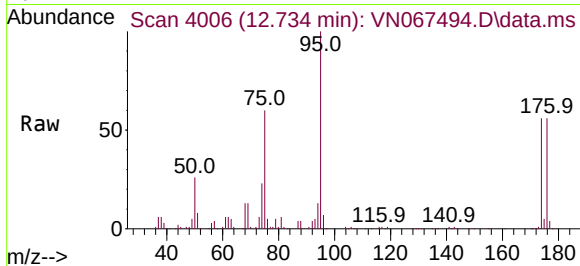




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.03 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.105 min
 Lab File: VN067494.D
 Acq: 24 Jun 2021 19:44

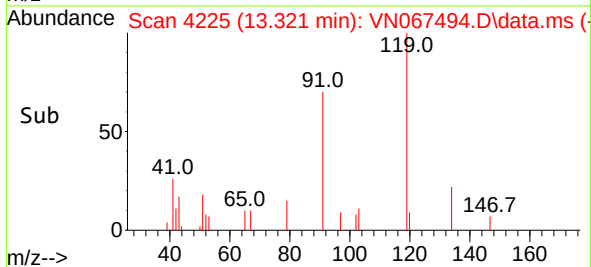
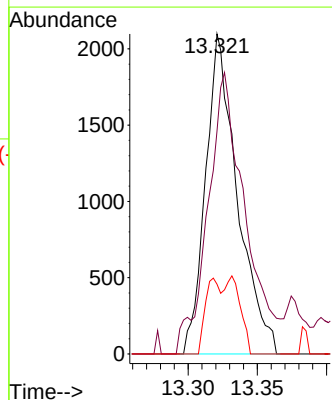
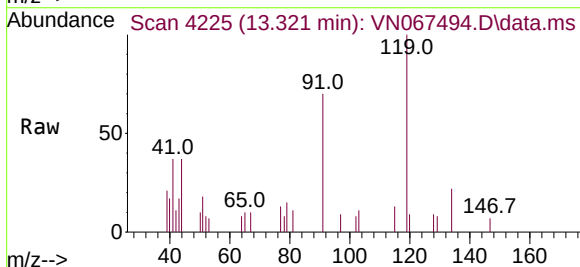
Instrument :
 MSVOA_N
 ClientSampled :
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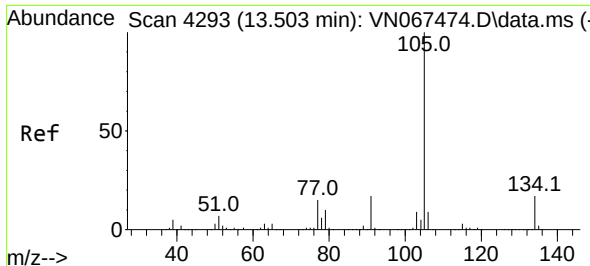
Tgt Ion: 75 Resp: 135200
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 37.8 56.8#



#83
 tert-Butylbenzene
 Concen: 0.32 ug/l
 RT: 13.321 min Scan# 4225
 Delta R.T. -0.005 min
 Lab File: VN067494.D
 Acq: 24 Jun 2021 19:44

Tgt Ion: 119 Resp: 3351
 Ion Ratio Lower Upper
 119 100
 91 102.6 39.5 118.5
 134 11.3 12.0 36.0#

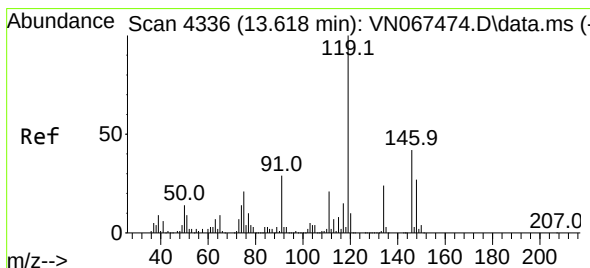
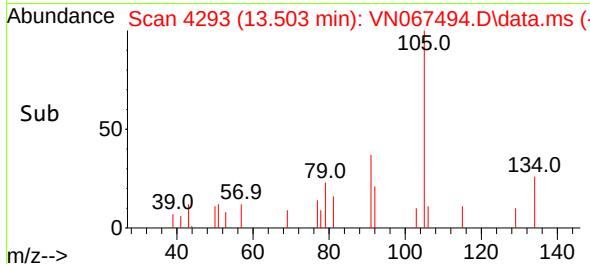
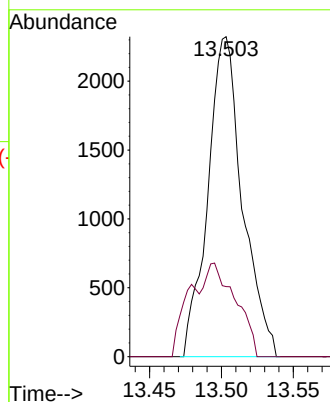
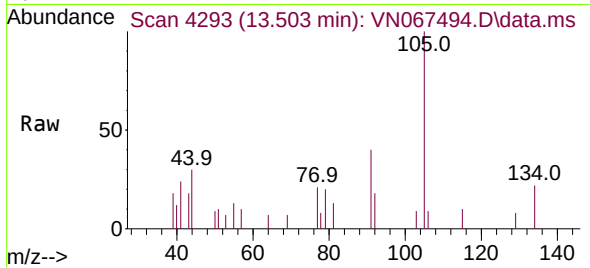




#85
 sec-Butylbenzene
 Concen: 0.25 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN067494.D
 Acq: 24 Jun 2021 19:44

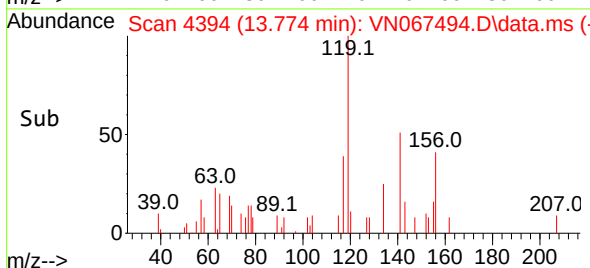
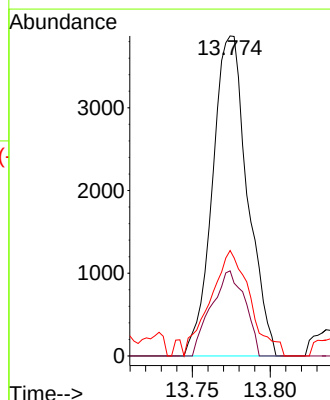
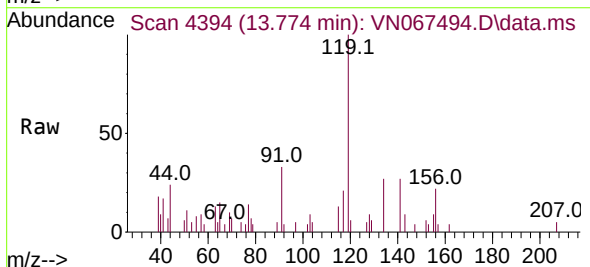
Instrument :
 MSVOA_N
 ClientSampled :
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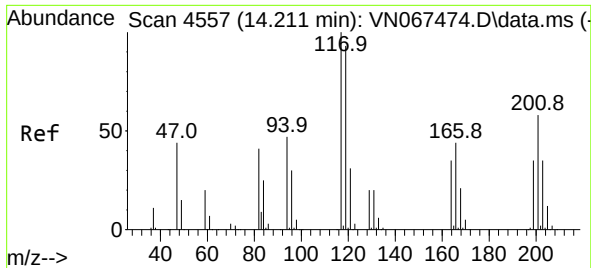
Tgt Ion:105 Resp: 3891
 Ion Ratio Lower Upper
 105 100
 134 26.7 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 0.52 ug/l
 RT: 13.774 min Scan# 4394
 Delta R.T. 0.156 min
 Lab File: VN067494.D
 Acq: 24 Jun 2021 19:44

Tgt Ion:119 Resp: 6050
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.4 37.4
 91 37.4 14.8 44.3

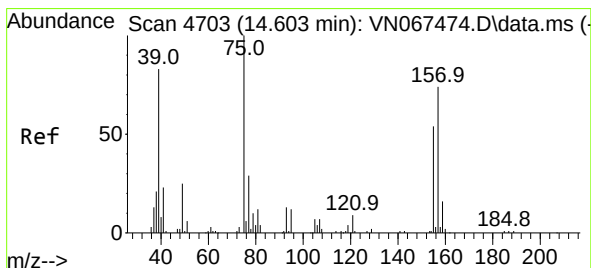
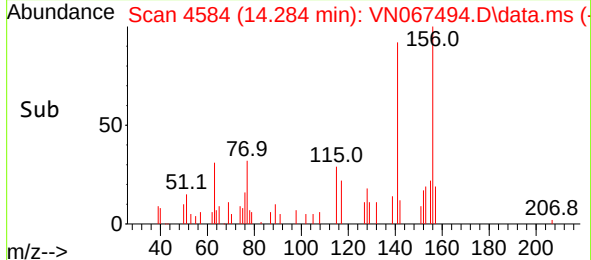
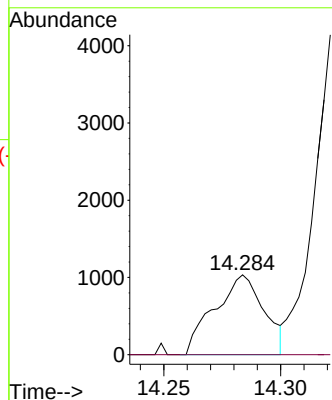
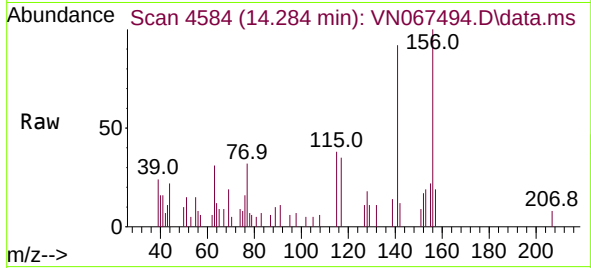




#90
Hexachloroethane
Concen: 0.69 ug/l
RT: 14.284 min Scan# 4584
Delta R.T. 0.073 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

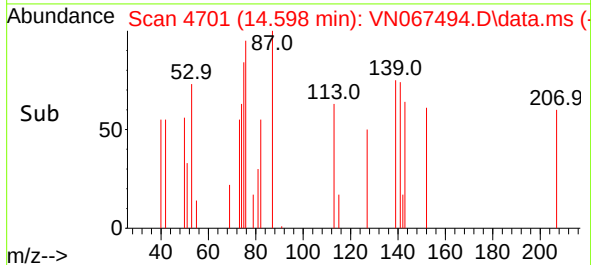
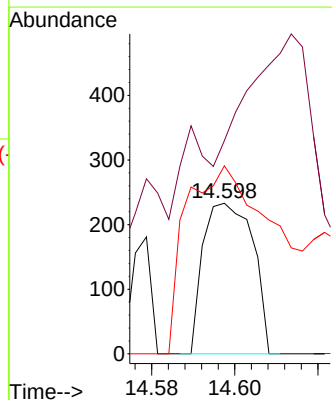
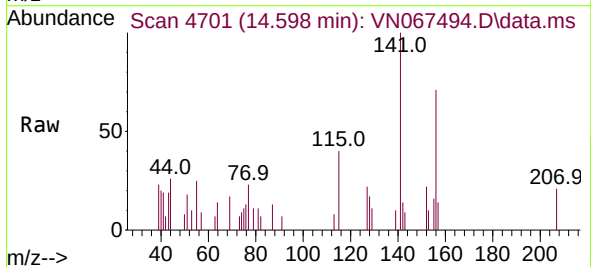
Instrument :
MSVOA_N
ClientSampled :
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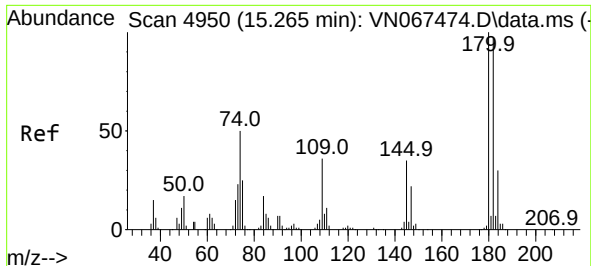
Tgt Ion:117 Resp: 1525
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.21 ug/l
RT: 14.598 min Scan# 4701
Delta R.T. -0.005 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

Tgt Ion: 75 Resp: 194
Ion Ratio Lower Upper
75 100
155 102.6 29.8 89.5#
157 224.7 37.6 112.8#

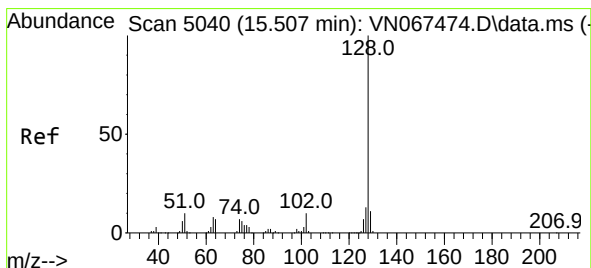
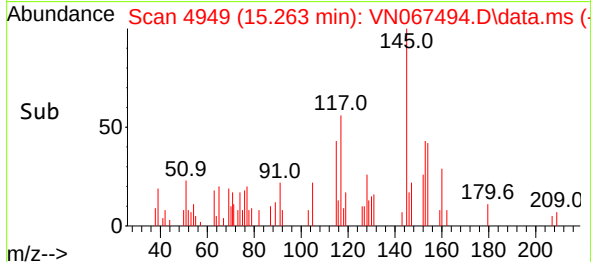
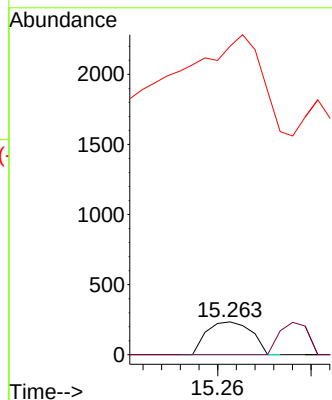
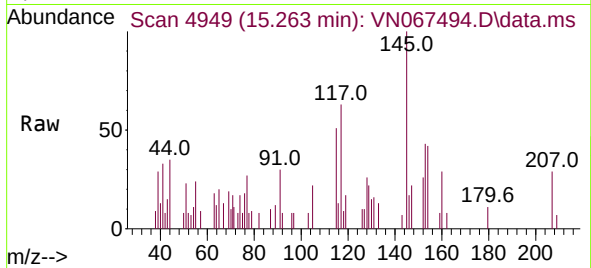




#93
1,2,4-Trichlorobenzene
Concen: 2.38 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

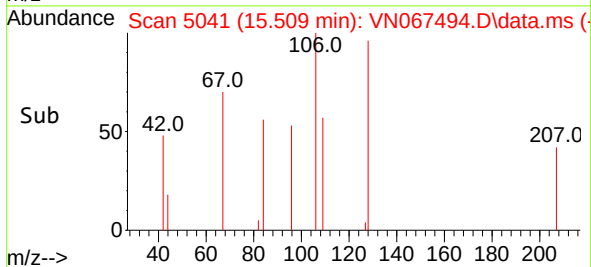
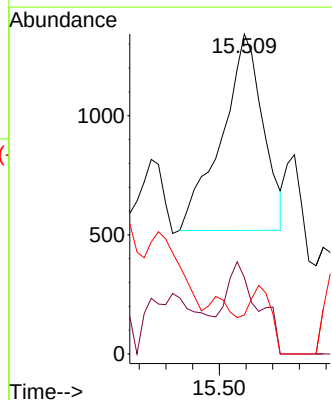
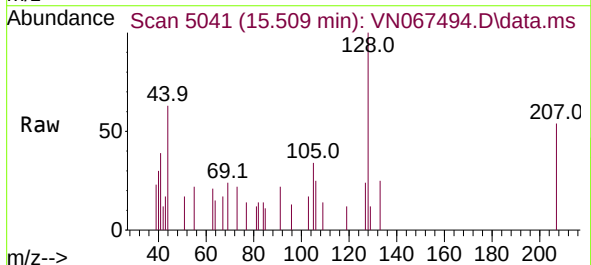
Instrument :
MSVOA_N
ClientSampled :
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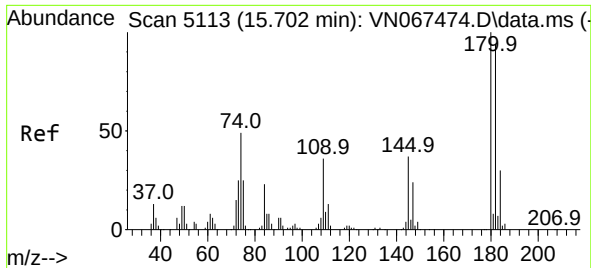
Tgt Ion:180 Resp: 157
Ion Ratio Lower Upper
180 100
182 61.8 47.5 142.5
145 3538.2 17.2 51.6#



#95
Naphthalene
Concen: 3.43 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067494.D
Acq: 24 Jun 2021 19:44

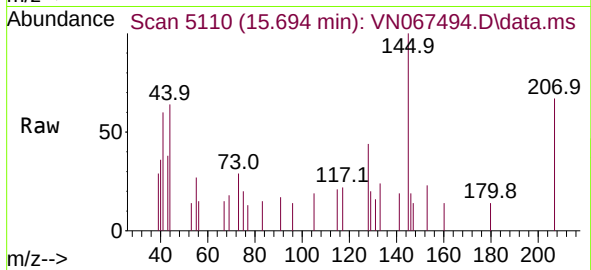
Tgt Ion:128 Resp: 888
Ion Ratio Lower Upper
128 100
127 36.4 10.6 15.8#
129 20.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.55 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.008 min
 Lab File: VN067494.D
 Acq: 24 Jun 2021 19:44

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:180	Resp:	76	
Ion	Ratio	Lower	Upper
180	100		
182	73.7	47.8	143.3
145	0.0	18.2	54.6#

