

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069996.D
 Acq On : 11 Dec 2021 8:58
 Operator : JC/MD
 Sample : M4970-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 12 16:04:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1063114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2058926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2370909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	981738	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	868486	52.910	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.820%	
35) Dibromofluoromethane	8.024	113	647434	50.202	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.400%	
50) Toluene-d8	10.443	98	2695340	52.049	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.100%	
62) 4-Bromofluorobenzene	12.731	95	1153909	61.508	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 123.020%	

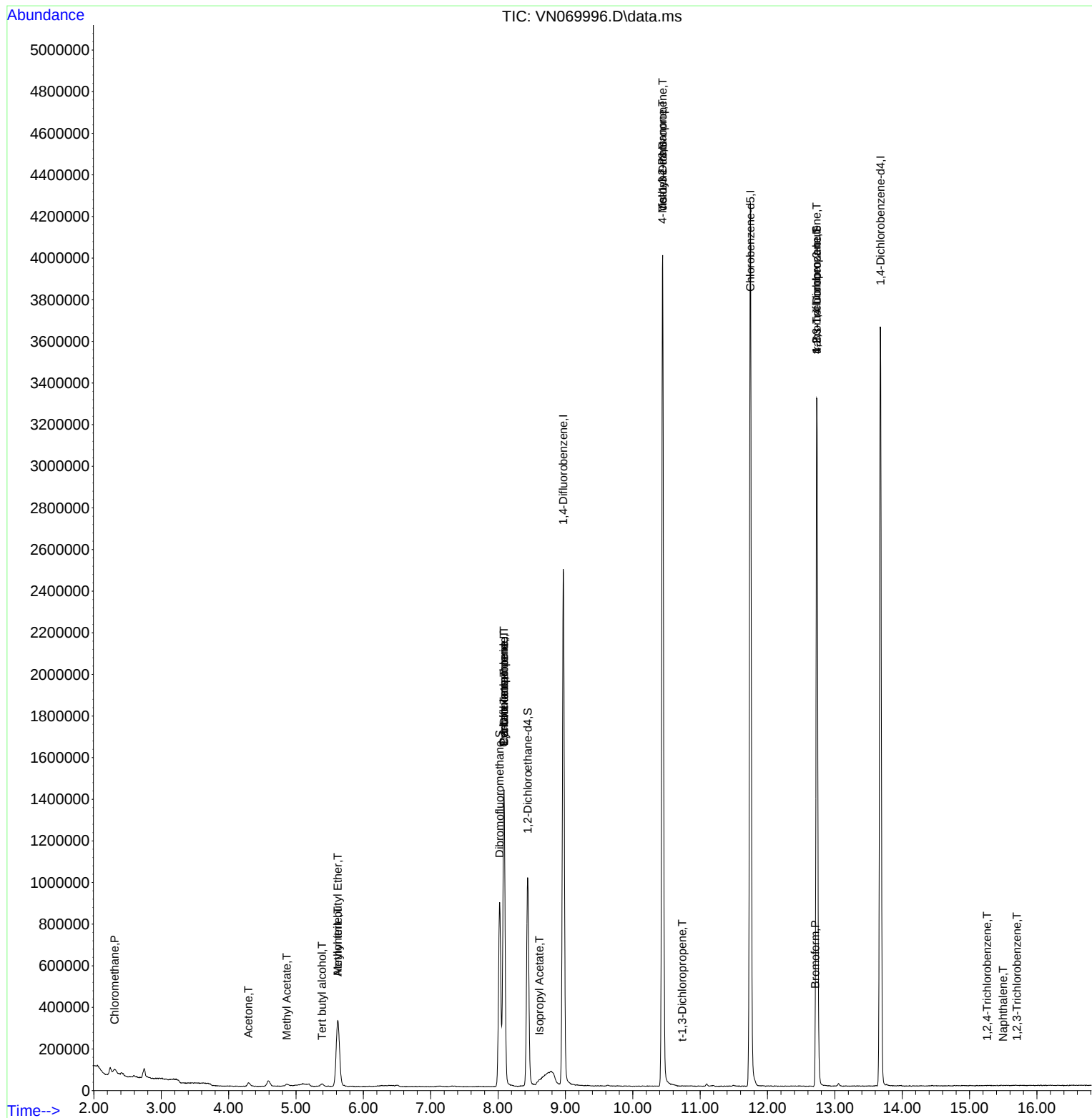
Target Compounds				Qvalue		
3) Chloromethane	2.306	50	3122	0.201	ug/l	90
11) Tert butyl alcohol	5.385	59	18412	5.934	ug/l #	71
15) Acrylonitrile	5.618	53	4704	0.563	ug/l #	45
16) Acetone	4.293	43	32486	3.290	ug/l	96
18) Methyl Acetate	4.862	43	21703	0.728	ug/l #	70
19) Methyl tert-butyl Ether	5.621	73	471987	11.987	ug/l	96
31) Cyclohexane	8.086	56	27351	1.197	ug/l #	26
36) 1,1-Dichloropropene	8.088	75	91450	4.666	ug/l #	49
38) Carbon Tetrachloride	8.088	117	108360	5.638	ug/l #	16
43) Isopropyl Acetate	8.614	43	25967	0.601	ug/l #	55
51) 4-Methyl-2-Pentanone	10.440	43	15582	0.556	ug/l #	1
53) t-1,3-Dichloropropene	10.733	75	106	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.443	75	635	2.023	ug/l #	1
71) Bromoform	12.707	173	169	2.742	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	652299	23.169	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	652299	73.731	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	175	2.888	ug/l #	12
95) Naphthalene	15.496	128	510	3.995	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.702	180	115	2.443	ug/l #	54

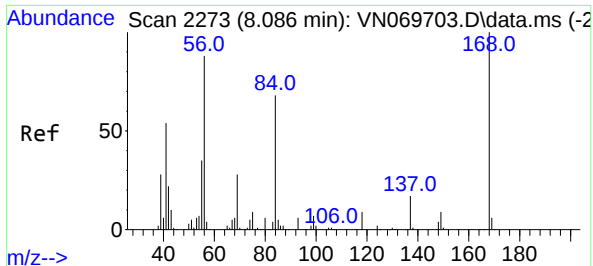
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

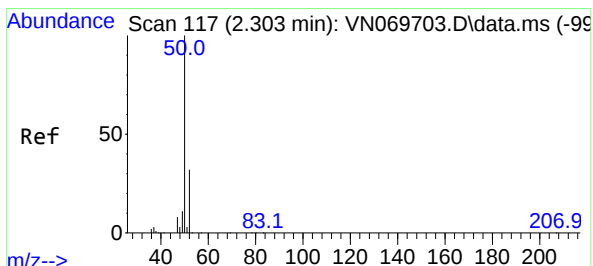
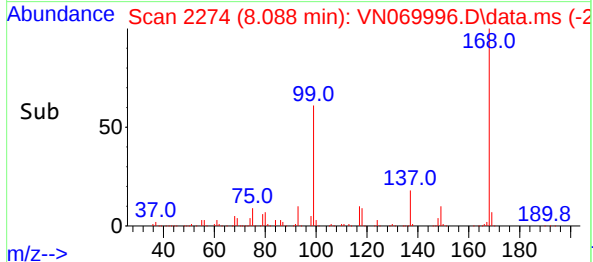
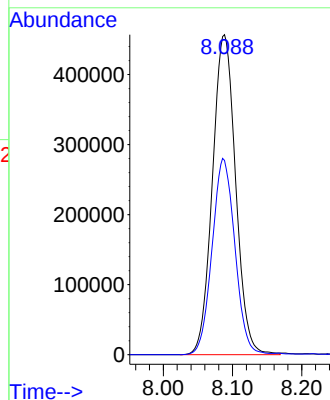
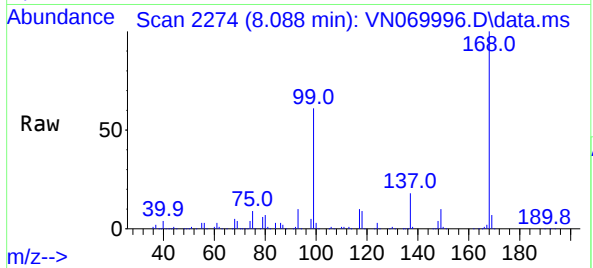




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

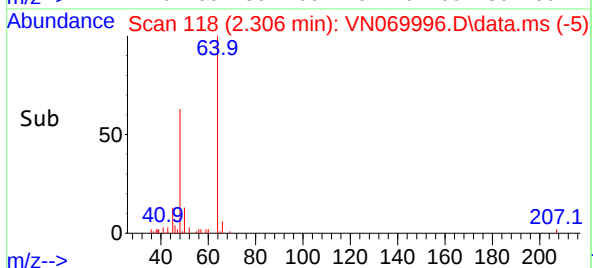
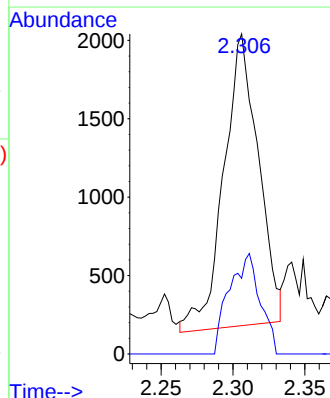
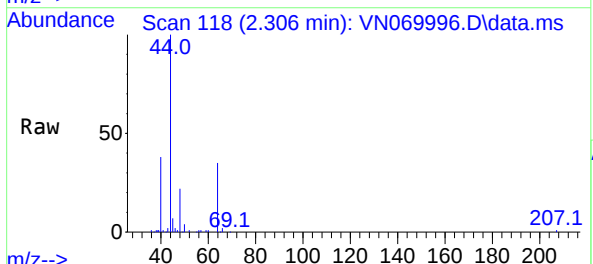
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MSVOA_N
ClientSampleId :

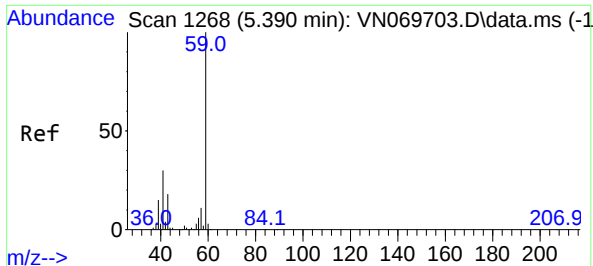
Tgt Ion:168 Resp: 1063114
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

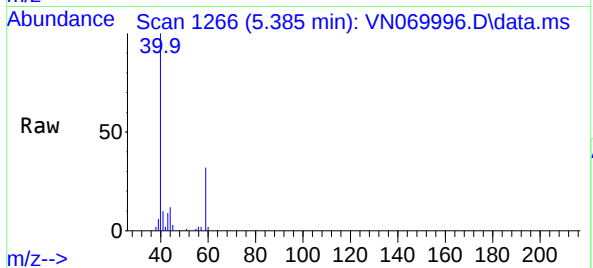
Tgt Ion: 50 Resp: 3122
Ion Ratio Lower Upper
50 100
52 26.3 25.4 38.0



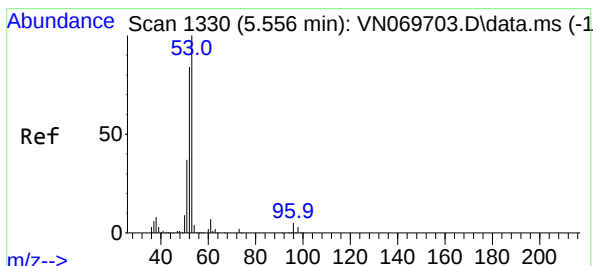
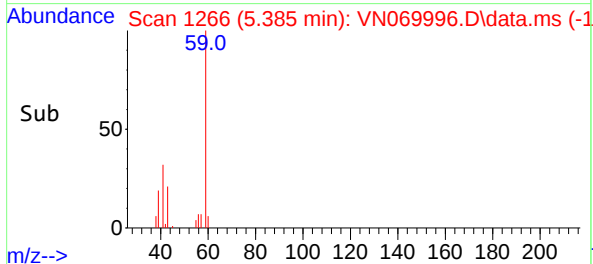
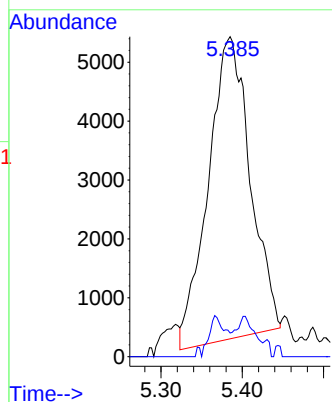


#11
Tert butyl alcohol
Concen: 5.934 ug/l
RT: 5.385 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Instrument :
MSVOA_N
ClientSampleId :

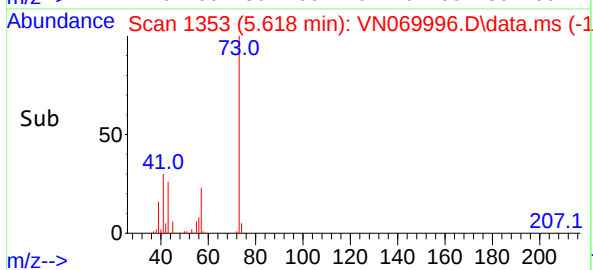
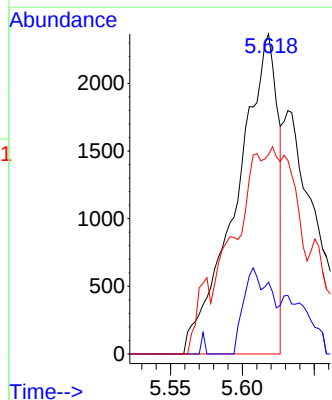
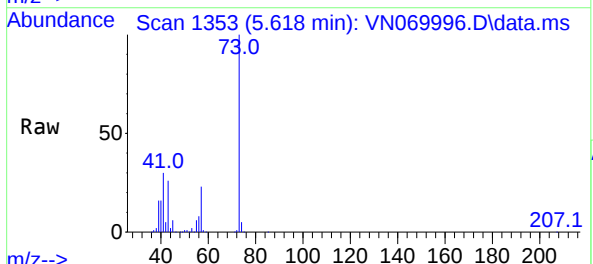


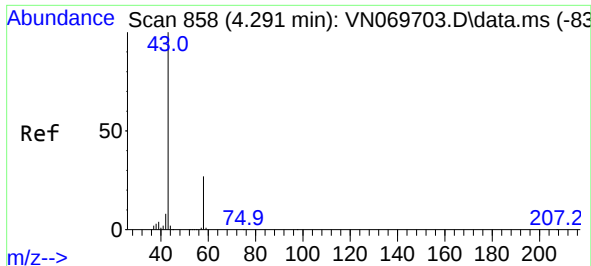
Tgt Ion: 59 Resp: 18412
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#15
Acrylonitrile
Concen: 0.563 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.062 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 53 Resp: 4704
Ion Ratio Lower Upper
53 100
52 17.3 66.2 99.2#
51 27.7 29.6 44.4#

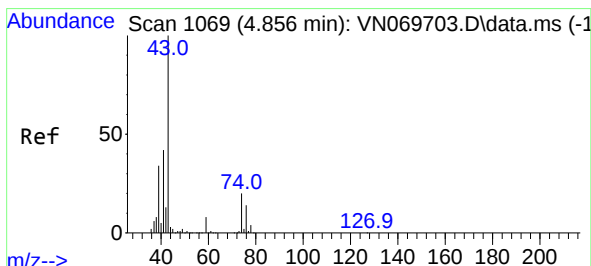
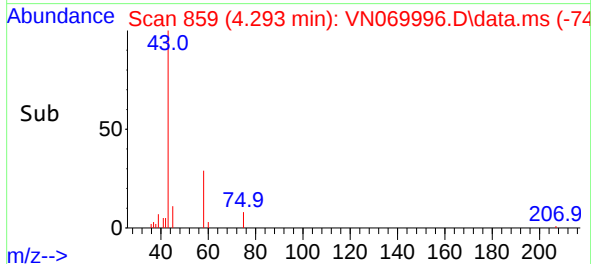
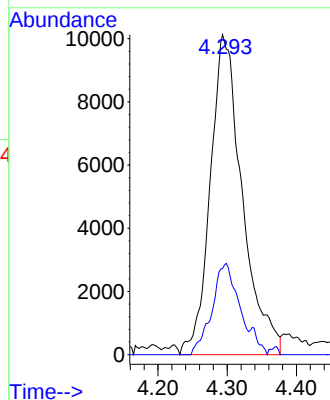
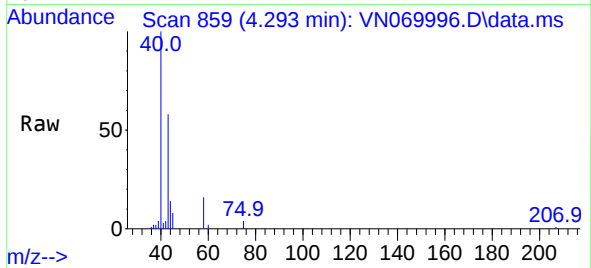




#16
Acetone
Concen: 3.290 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

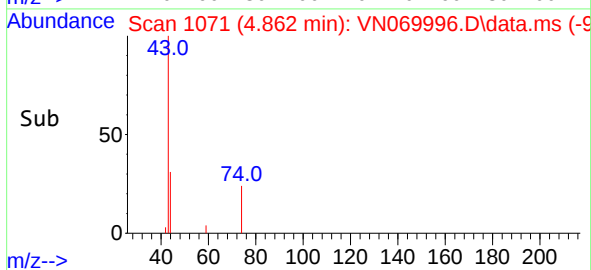
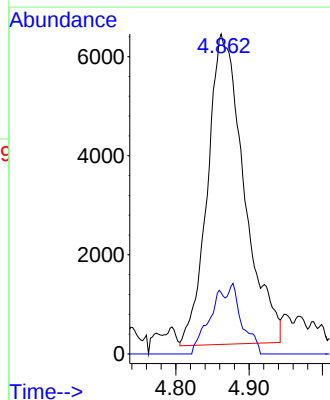
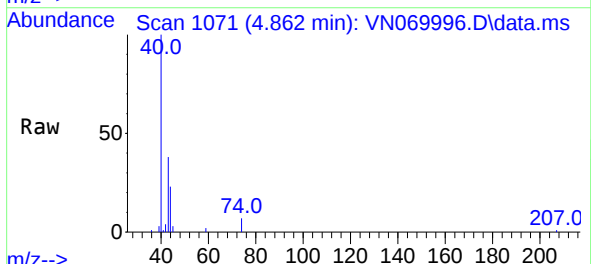
Instrument :
MSVOA_N
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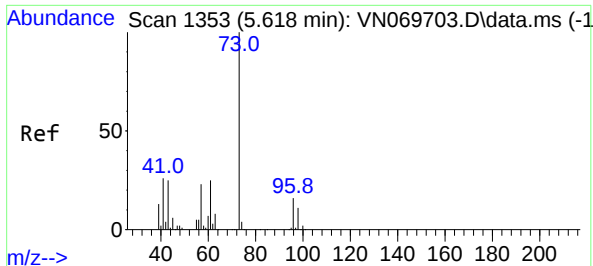
Tgt Ion: 43 Resp: 32486
Ion Ratio Lower Upper
43 100
58 27.0 23.1 34.7



#18
Methyl Acetate
Concen: 0.728 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 43 Resp: 21703
Ion Ratio Lower Upper
43 100
74 9.4 19.4 29.2#

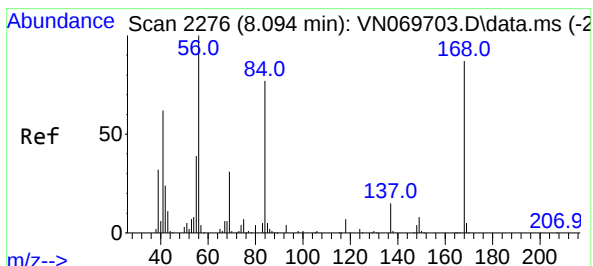
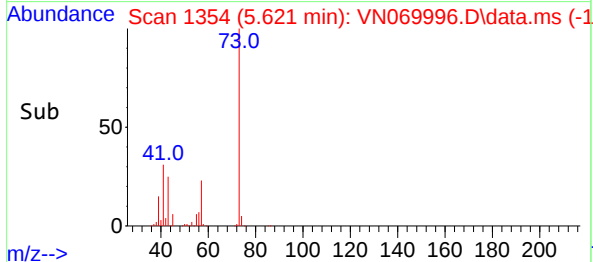
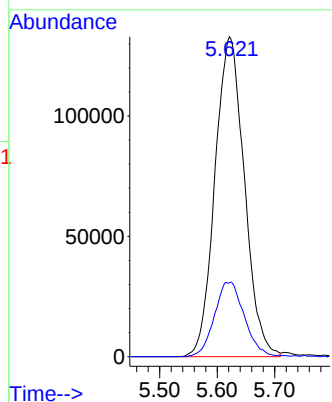
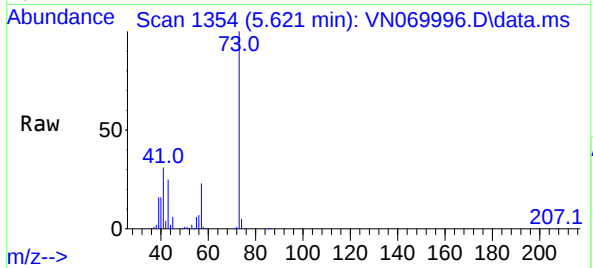




#19
Methyl tert-butyl Ether
Concen: 11.987 ug/l
RT: 5.621 min Scan# 11
Delta R.T. 0.003 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

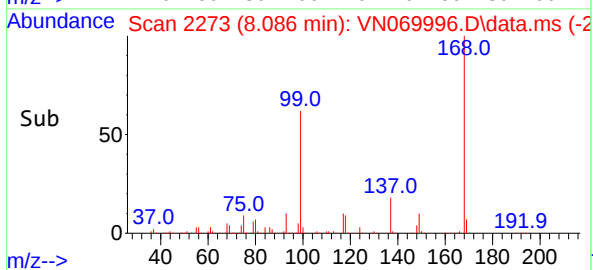
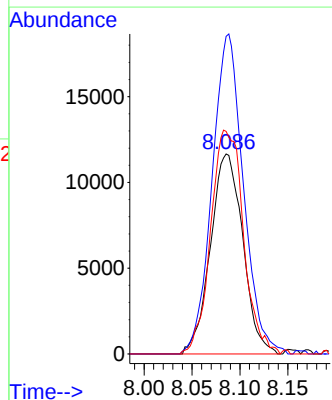
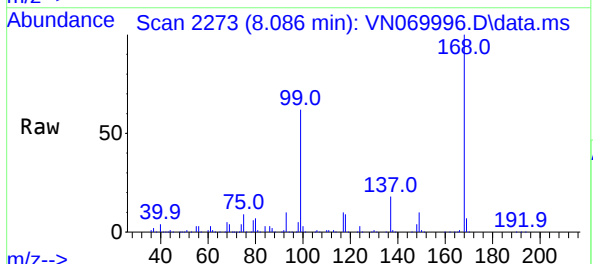
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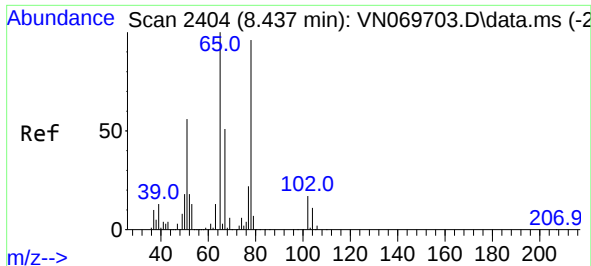
Tgt Ion: 73 Resp: 471987
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 56 Resp: 27351
Ion Ratio Lower Upper
56 100
69 158.8 27.1 40.7#
84 111.2 73.4 110.0#

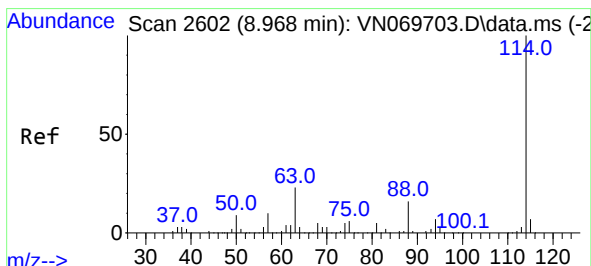
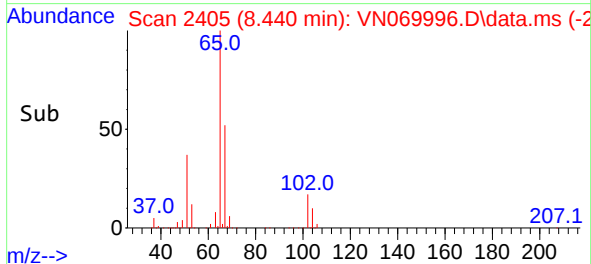
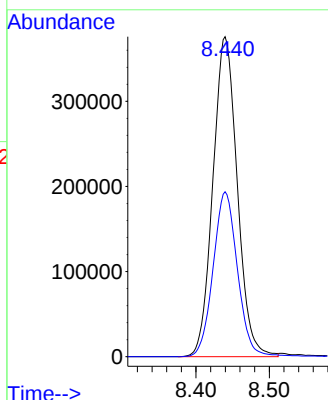
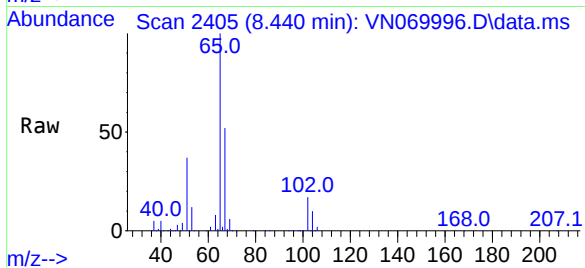




#33
 1,2-Dichloroethane-d4
 Concen: 52.910 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN069996.D
 Acq: 11 Dec 2021 8:58

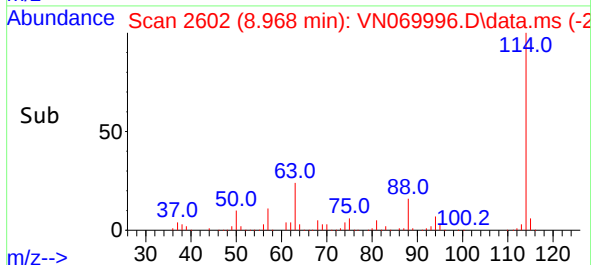
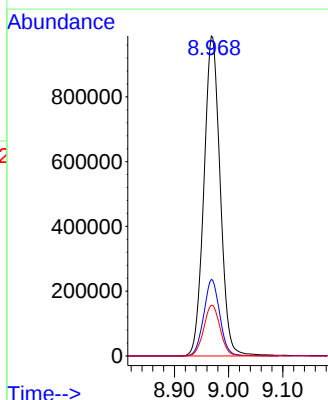
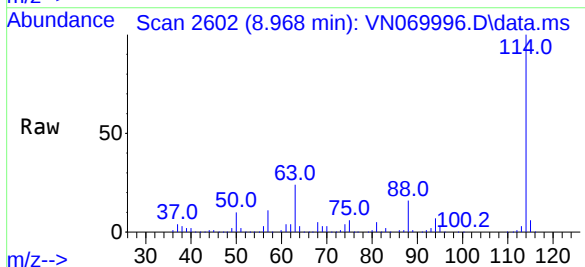
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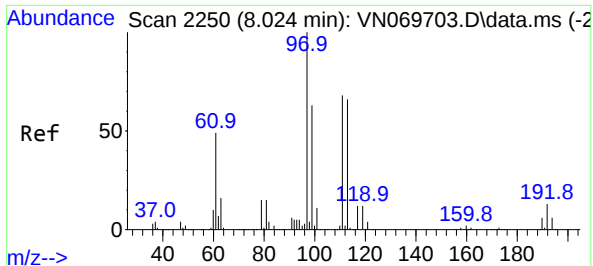
Tgt Ion: 65 Resp: 868486
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069996.D
 Acq: 11 Dec 2021 8:58

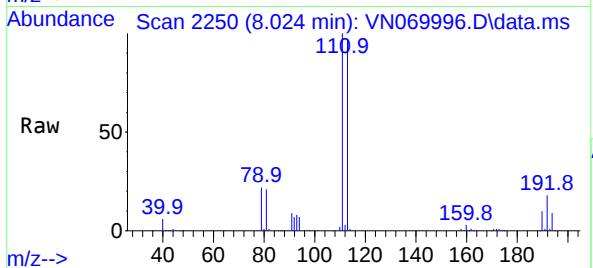
Tgt Ion: 114 Resp: 2058926
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 37.8
 88 15.8 0.0 27.4



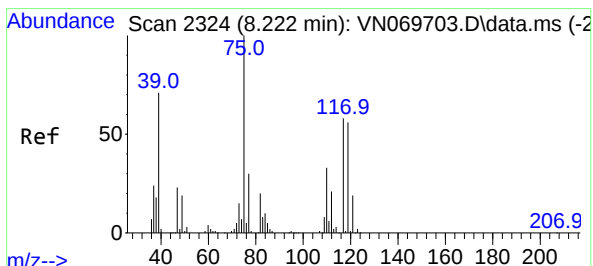
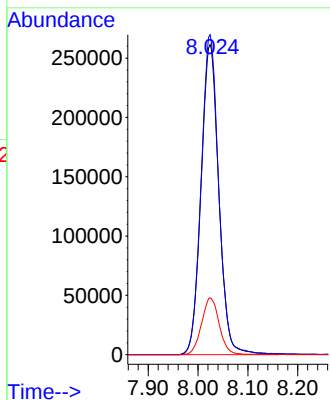
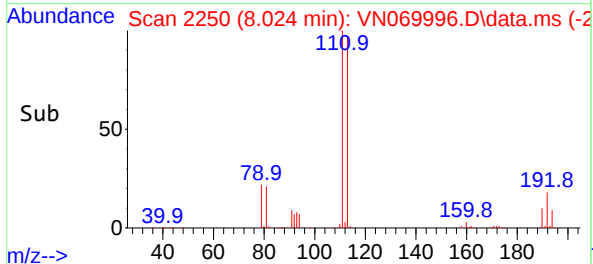


#35
Dibromofluoromethane
Concen: 50.202 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

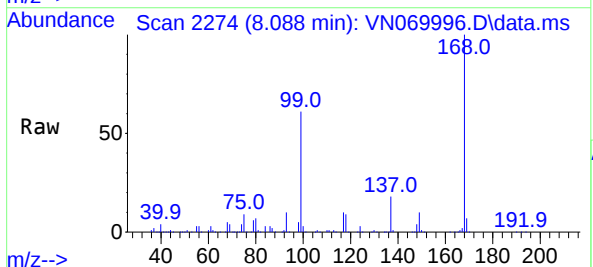
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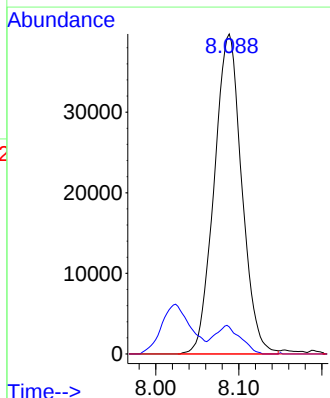
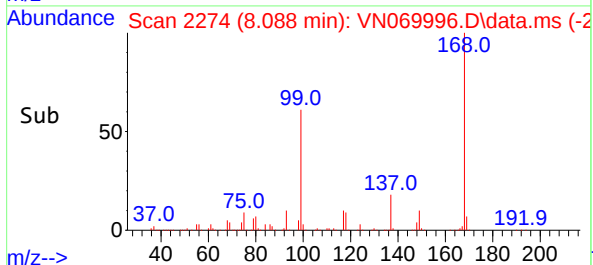
Tgt Ion:113 Resp: 647434
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 18.3 16.9 25.3

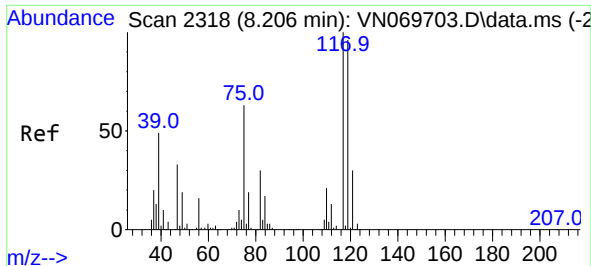


#36
1,1-Dichloropropene
Concen: 4.666 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58



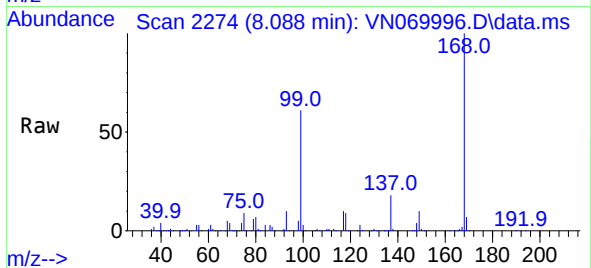
Tgt Ion: 75 Resp: 91450
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



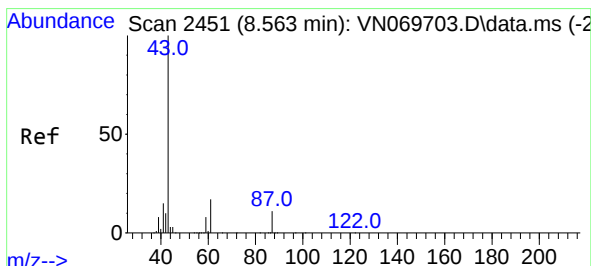
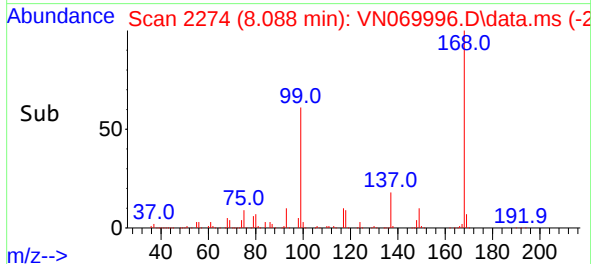
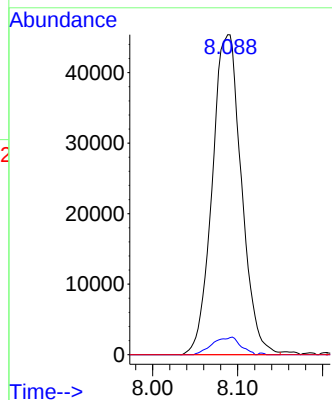


#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Instrument :
MSVOA_N
ClientSampleId :

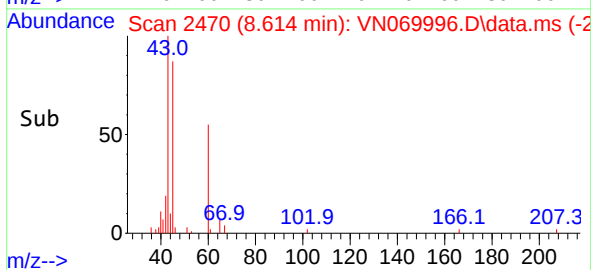
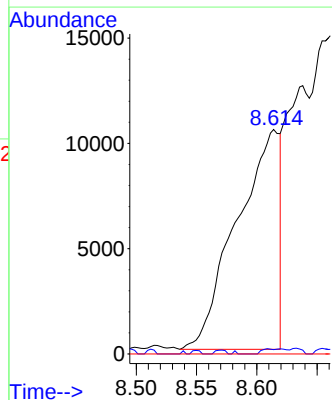
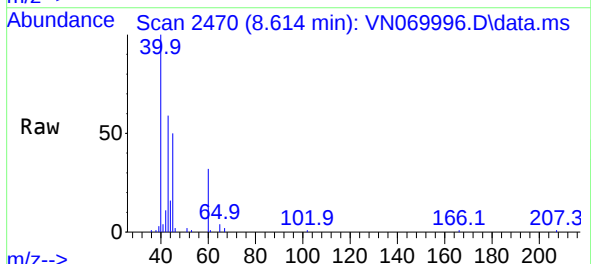


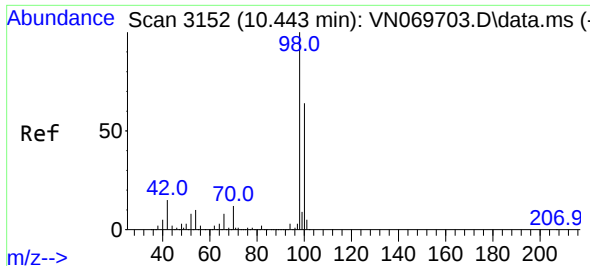
Tgt Ion:117 Resp: 108360
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.601 ug/l
RT: 8.614 min Scan# 2470
Delta R.T. 0.051 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 43 Resp: 25967
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

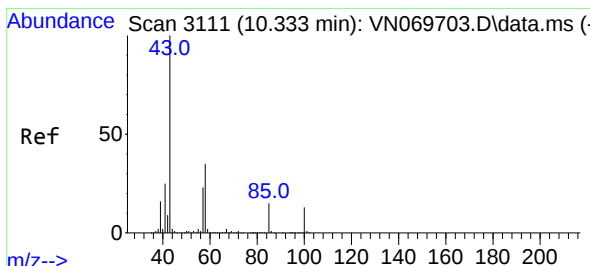
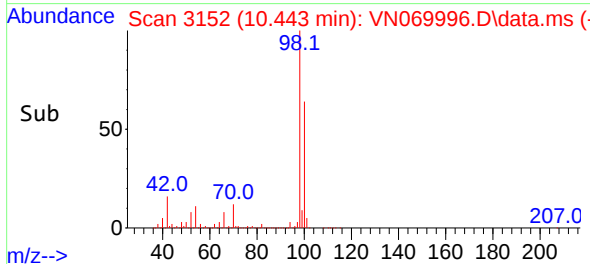
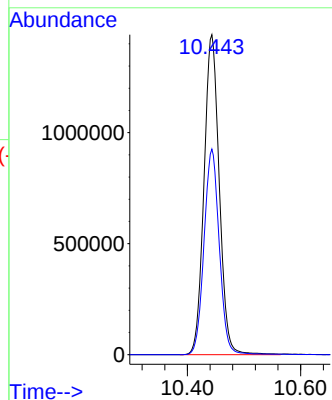
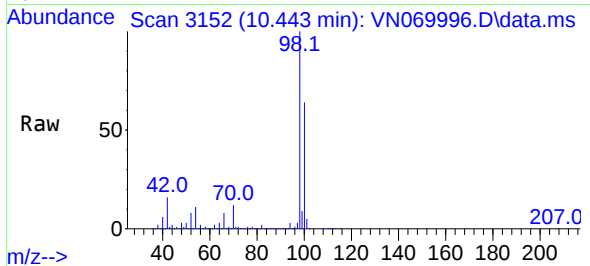




#50
Toluene-d8
Concen: 52.049 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

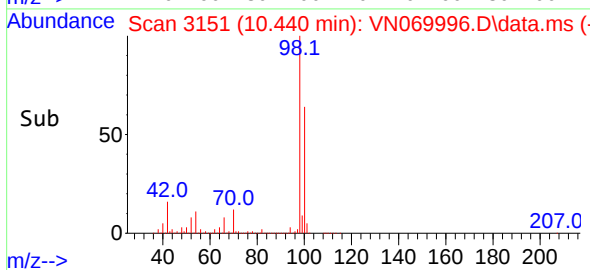
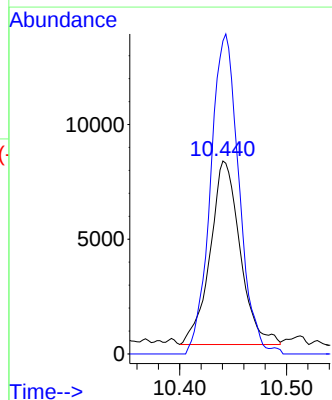
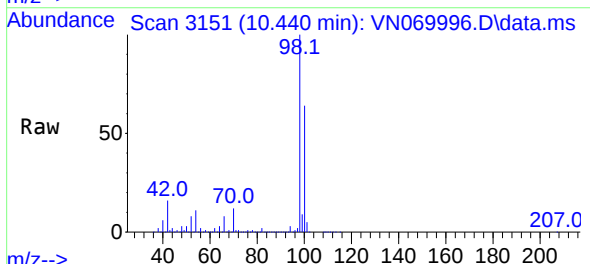
Instrument :
MSVOA_N
ClientSampleId :

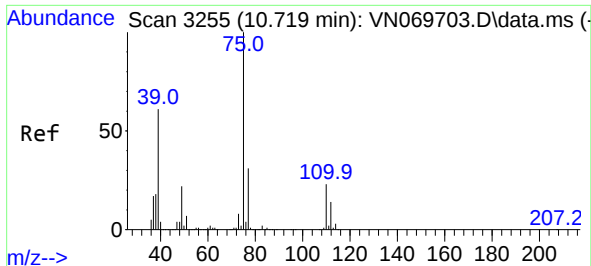
Tgt Ion: 98 Resp: 2695340
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.107 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 43 Resp: 15582
Ion Ratio Lower Upper
43 100
58 164.8 30.4 45.6#

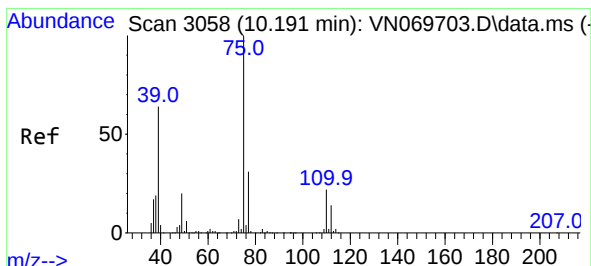
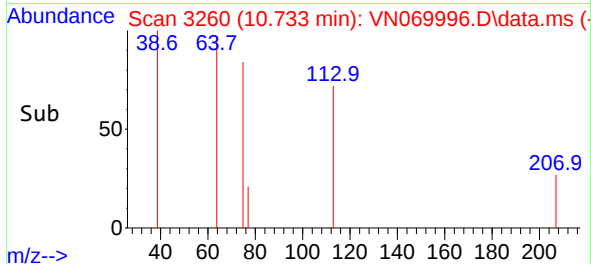
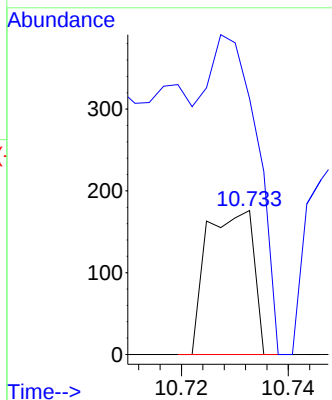
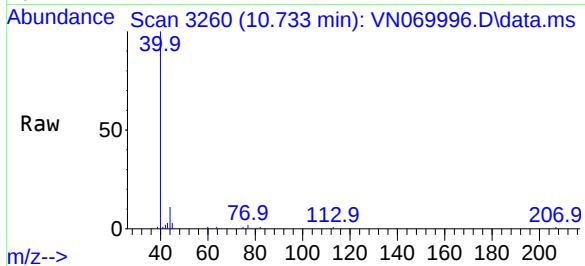




#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.733 min Scan# 3152
Delta R.T. 0.014 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

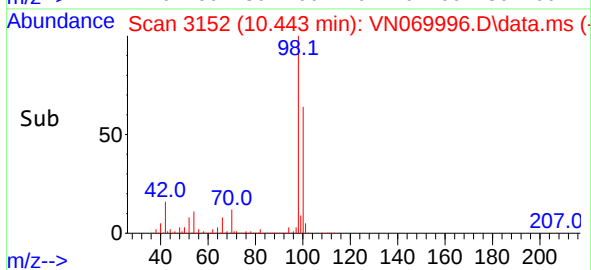
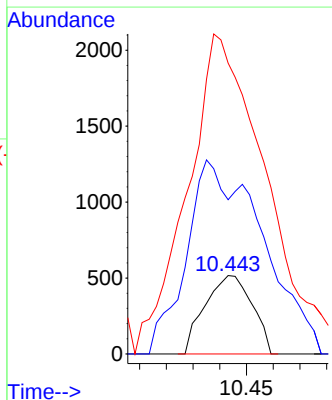
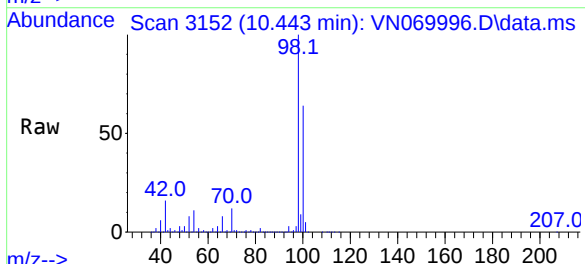
Instrument :
MSVOA_N
ClientSampleId :

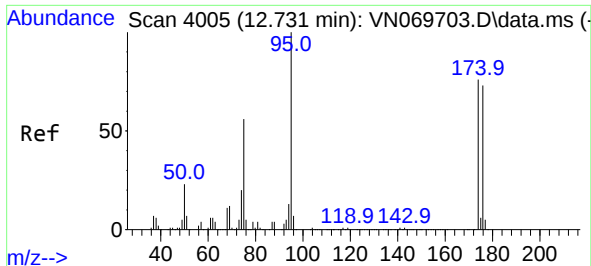
Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 177.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.023 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 75 Resp: 635
Ion Ratio Lower Upper
75 100
77 127.7 26.4 39.6#
39 203.1 42.5 63.7#

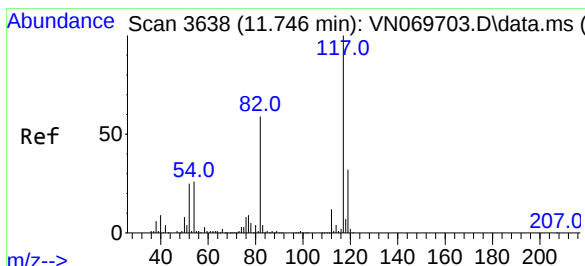
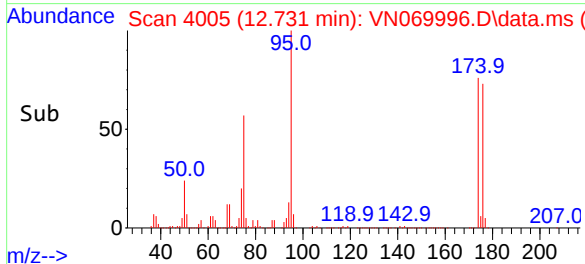
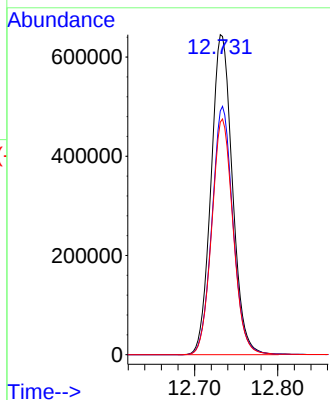
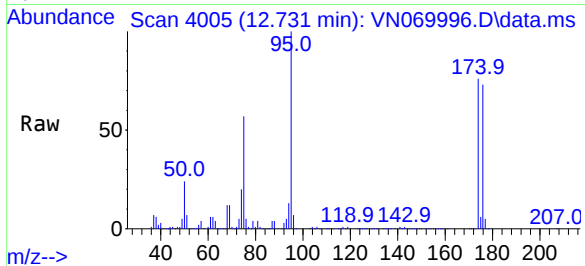




#62
4-Bromofluorobenzene
Concen: 61.508 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

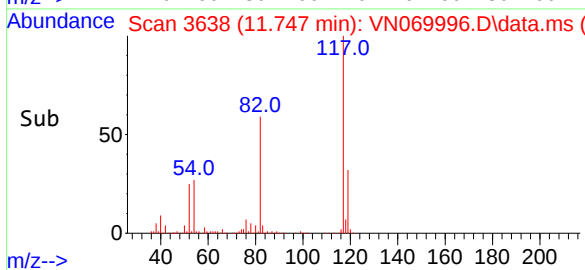
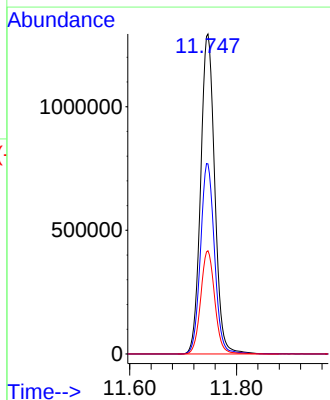
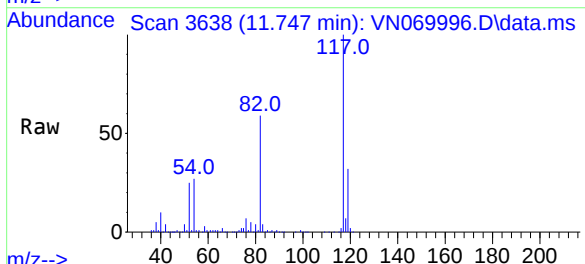
Instrument :
MSVOA_N
ClientSampleId :

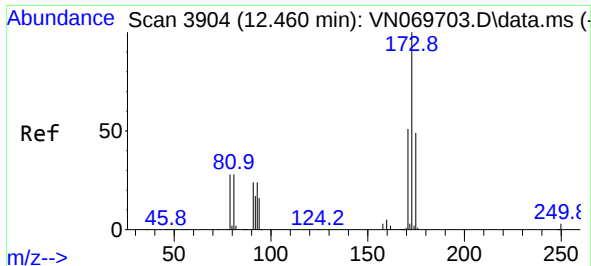
Tgt Ion: 95 Resp: 1153909
Ion Ratio Lower Upper
95 100
174 76.5 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion: 117 Resp: 2370909
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.2 25.4 38.2

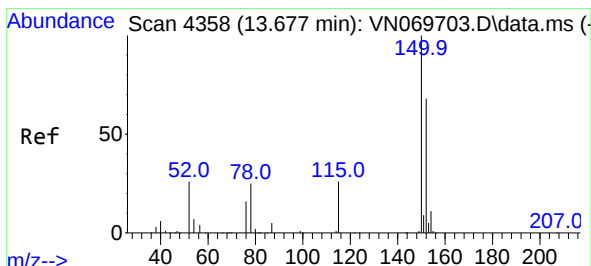
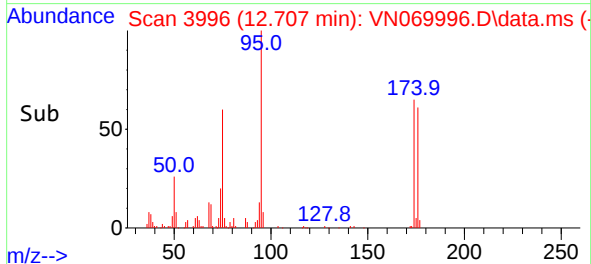
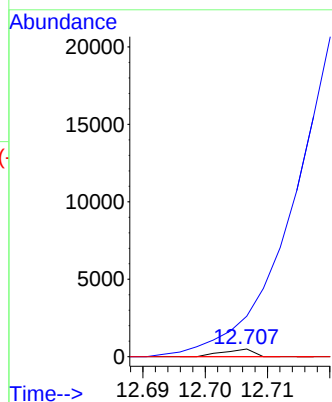
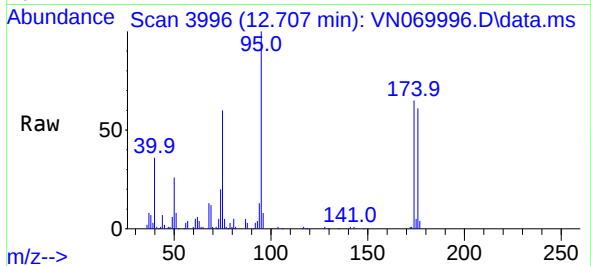




#71
Bromoform
Concen: 2.742 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

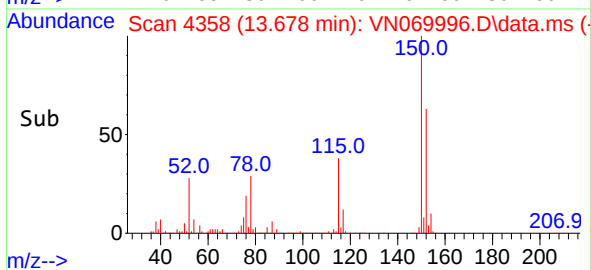
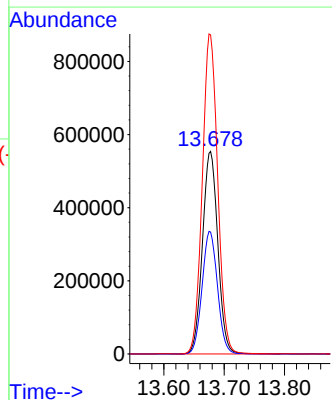
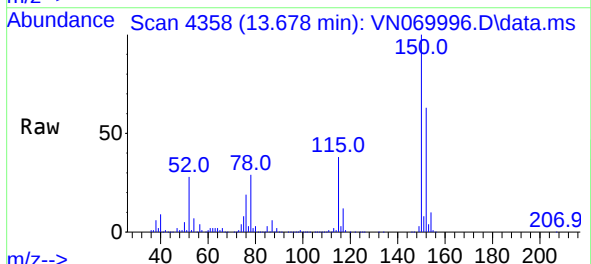
Instrument :
MSVOA_N
ClientSampleId :

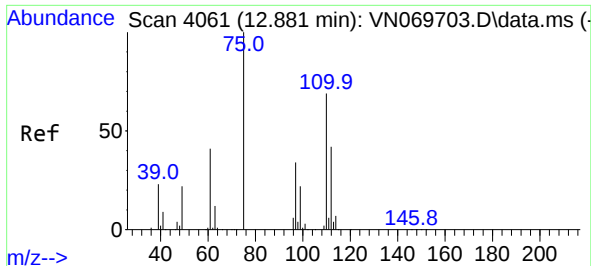
Tgt Ion:173 Resp: 169
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Tgt Ion:152 Resp: 981738
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.9 0.0 344.4

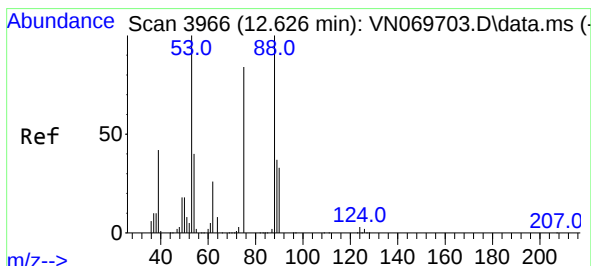
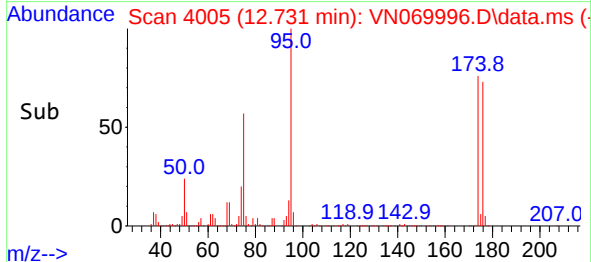
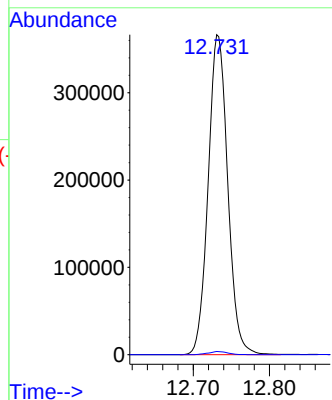
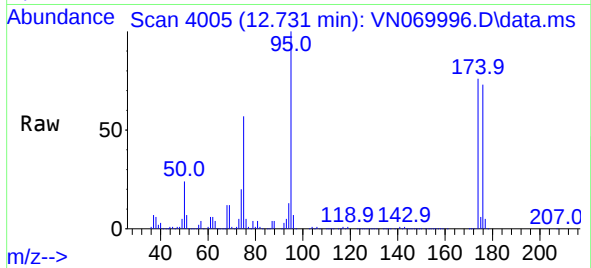




#76
1,2,3-Trichloropropane
Concen: 23.169 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

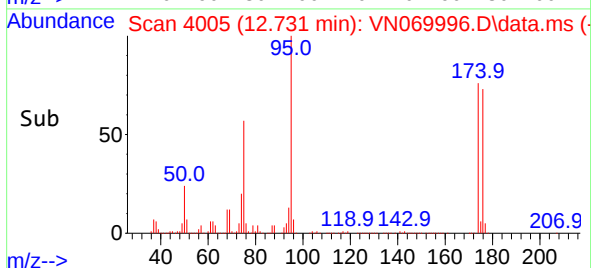
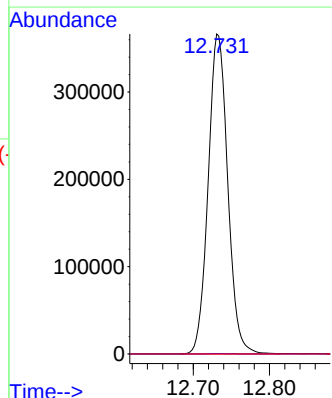
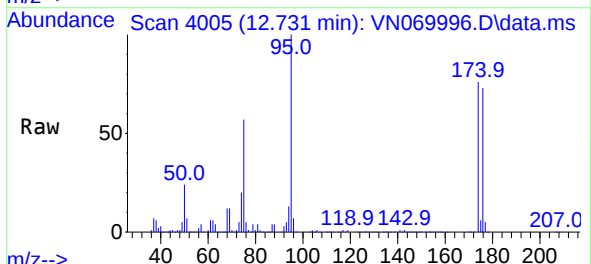
Instrument :
MSVOA_N
ClientSampleId :

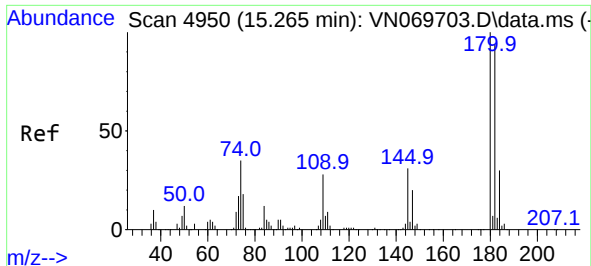
Tgt Ion: 75 Resp: 652299
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.731 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

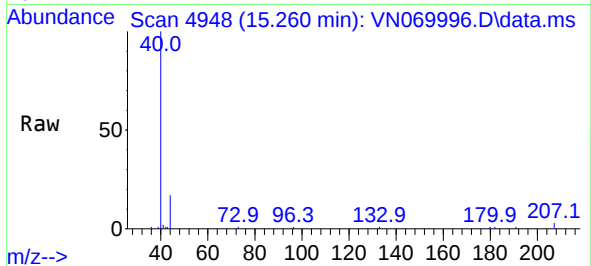
Tgt Ion: 75 Resp: 652299
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



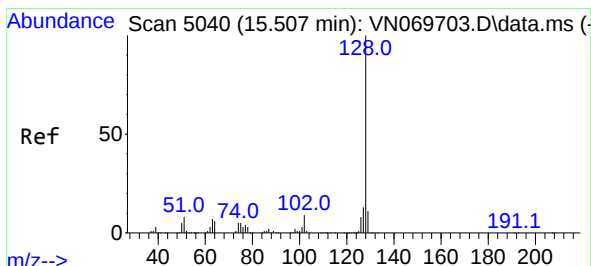
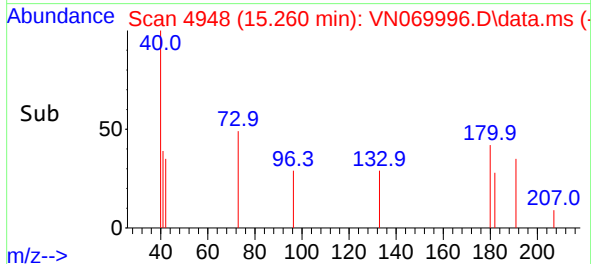
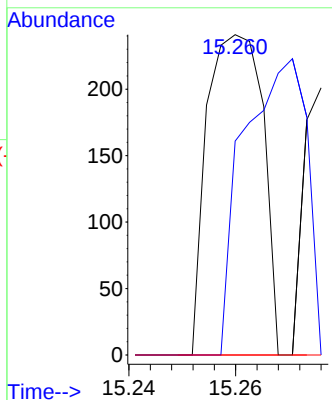


#93
1,2,4-Trichlorobenzene
Concen: 2.888 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

Instrument :
MSVOA_N
ClientSampleId :

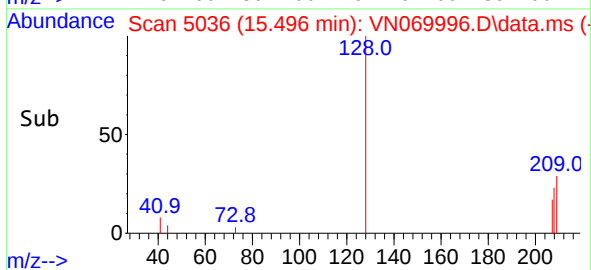
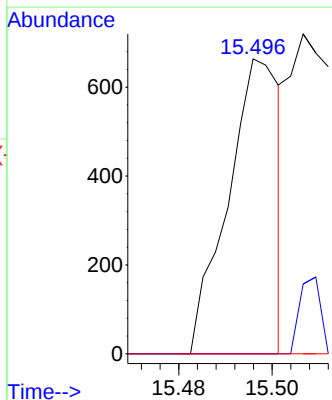
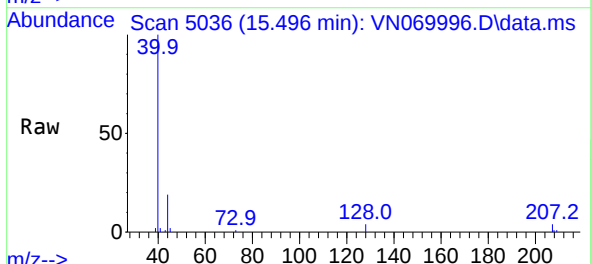


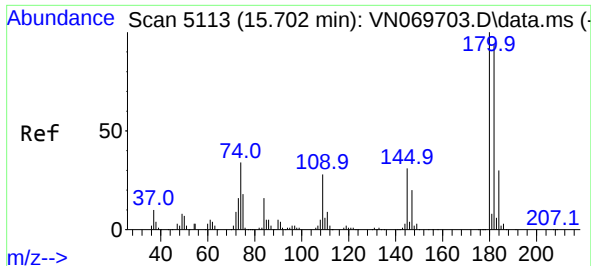
Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.995 ug/l
RT: 15.496 min Scan# 5036
Delta R.T. -0.011 min
Lab File: VN069996.D
Acq: 11 Dec 2021 8:58

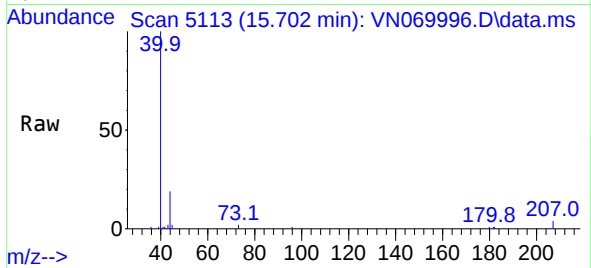
Tgt Ion:128 Resp: 510
Ion Ratio Lower Upper
128 100
127 10.4 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.443 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN069996.D
 Acq: 11 Dec 2021 8:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	115
Ion	Ratio	Lower	Upper
180	100		
182	136.5	47.4	142.2
145	0.0	15.0	45.1#

