

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070096.D
 Acq On : 15 Dec 2021 2:28
 Operator : JC/MD
 Sample : M5011-06 10X
 Misc : 2.37g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:29:33 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)

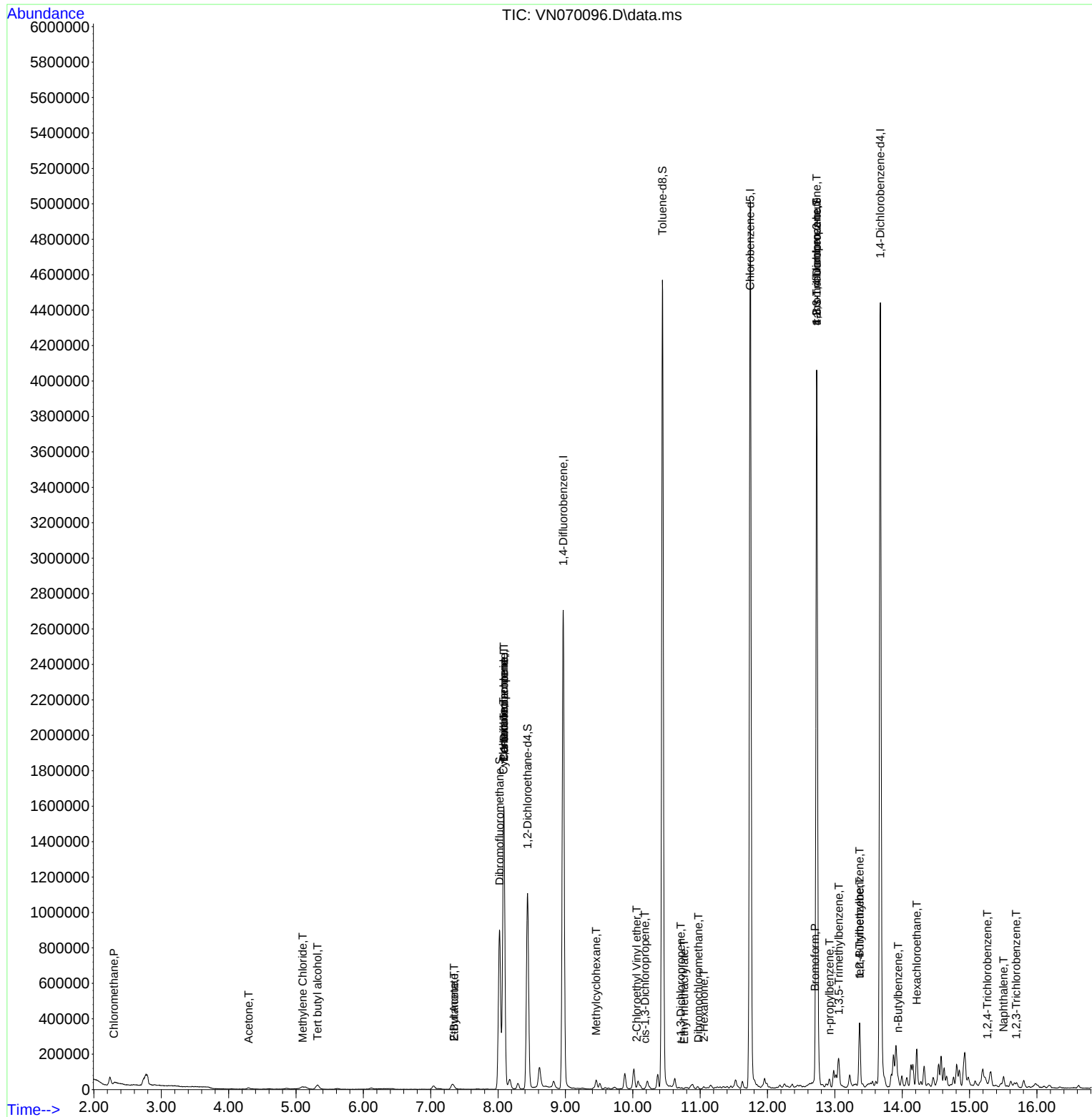
Internal Standards						
1) Pentafluorobenzene	8.086	168	1185071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2264604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2753236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1155737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	954014	52.139	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.280%			
35) Dibromofluoromethane	8.021	113	655897	46.239	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.480%			
50) Toluene-d8	10.440	98	3073285	53.958	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.920%			
62) 4-Bromofluorobenzene	12.731	95	1403017	67.994	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 135.980%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3495	0.202	ug/l #	87
11) Tert butyl alcohol	5.318	59	24420	7.061	ug/l #	71
16) Acetone	4.296	43	8724	0.793	ug/l	94
20) Methylene Chloride	5.098	84	5571	0.381	ug/l #	88
25) 2-Butanone	7.348	43	17850	1.194	ug/l #	89
31) Cyclohexane	8.080	56	34443	1.353	ug/l #	41
36) 1,1-Dichloropropene	8.086	75	100901	4.680	ug/l #	49
37) Ethyl Acetate	7.348	43	17850	0.556	ug/l #	68
38) Carbon Tetrachloride	8.086	117	120287	5.690	ug/l #	17
39) Methylcyclohexane	9.456	83	6709	0.262	ug/l #	65
53) t-1,3-Dichloropropene	10.711	75	135	2.799	ug/l #	43
54) cis-1,3-Dichloropropene	10.180	75	83	2.002	ug/l #	20
56) Ethyl methacrylate	10.759	69	140	2.284	ug/l #	24
58) 2-Chloroethyl Vinyl ether	10.057	63	59	18.395	ug/l #	45
59) 2-Hexanone	11.054	43	5480	0.235	ug/l #	29
60) Dibromochloromethane	10.974	129	113	2.382	ug/l #	11
71) Bromoform	12.704	173	71	2.735	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	770456	23.246	ug/l #	1
78) n-propylbenzene	12.921	91	34604	0.302	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	63742	0.770	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.731	75	770456	73.962	ug/l #	5
83) tert-Butylbenzene	13.366	119	26349	0.360	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.366	105	212358	2.694	ug/l	95
89) n-Butylbenzene	13.940	91	21955	0.348	ug/l #	67
90) Hexachloroethane	14.217	117	9984	0.732	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	1691	2.962	ug/l #	80
95) Naphthalene	15.504	128	43870	4.700	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	1051	2.490	ug/l #	1

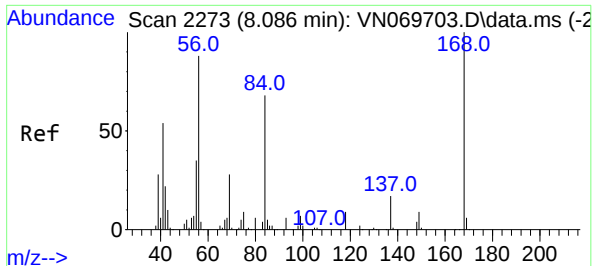
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN070096.D
Acq On : 15 Dec 2021 2:28
Operator : JC/MD
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Misc : 2.37g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

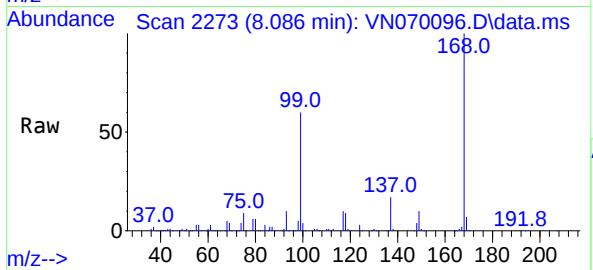
Quant Time: Dec 15 05:29:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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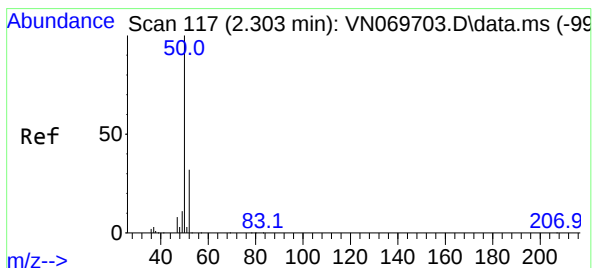
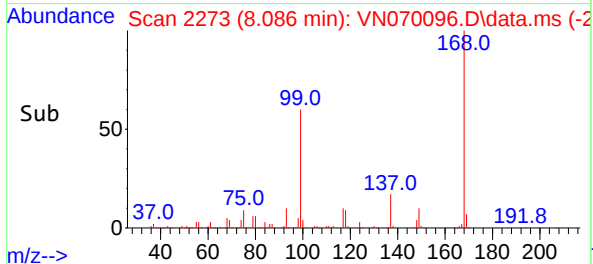
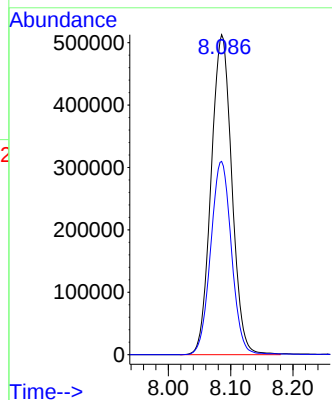


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

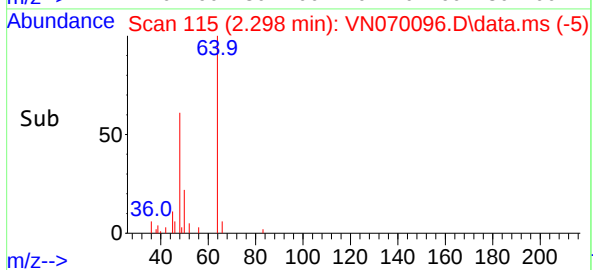
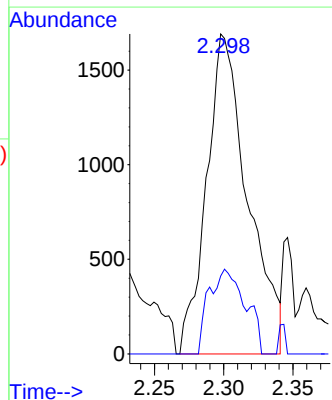
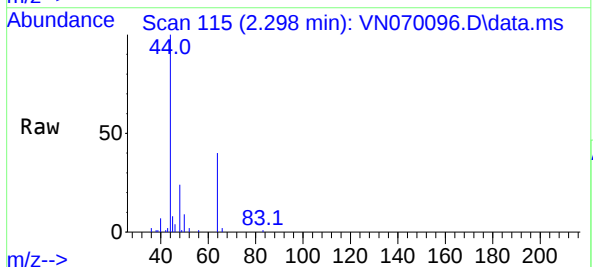


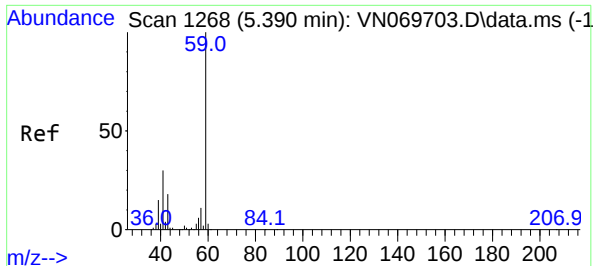
Tgt Ion:168 Resp: 1185071
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

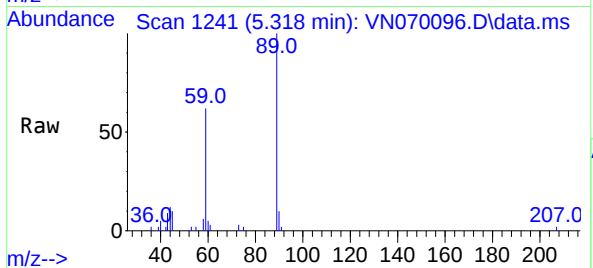
Tgt Ion: 50 Resp: 3495
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.0#



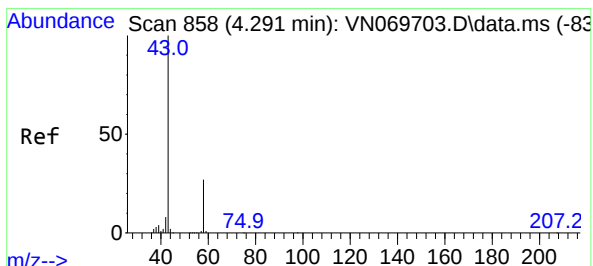
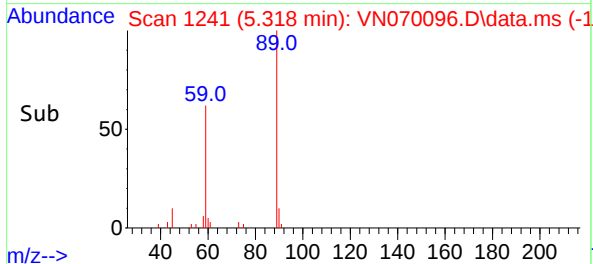
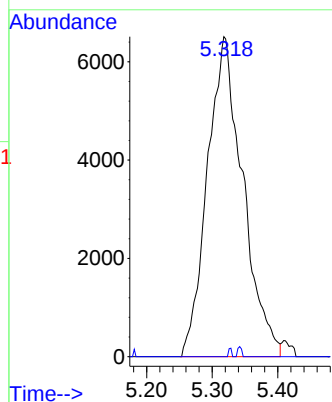


#11
Tert butyl alcohol
Concen: 7.061 ug/l
RT: 5.318 min Scan# 11
Delta R.T. -0.072 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

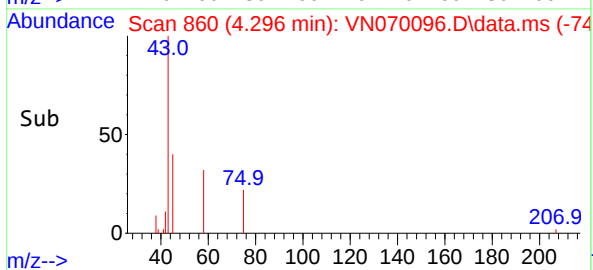
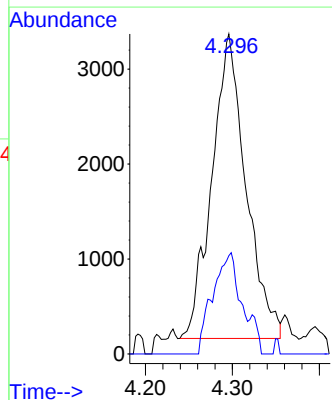
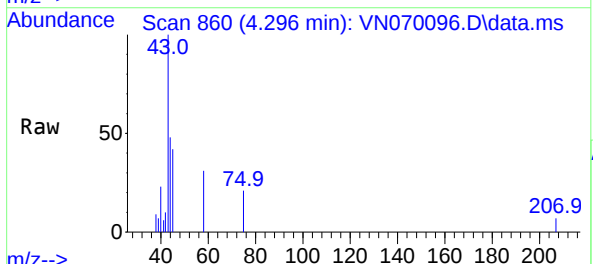


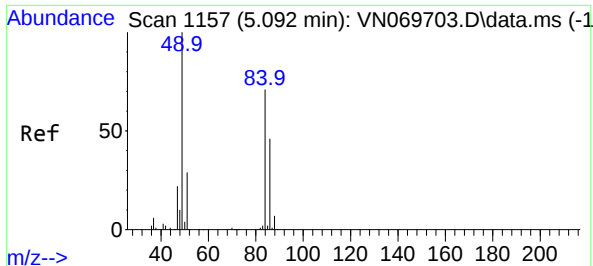
Tgt Ion: 59 Resp: 24420
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 0.793 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

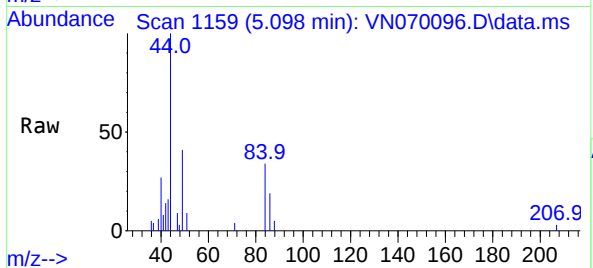
Tgt Ion: 43 Resp: 8724
Ion Ratio Lower Upper
43 100
58 32.3 23.1 34.7



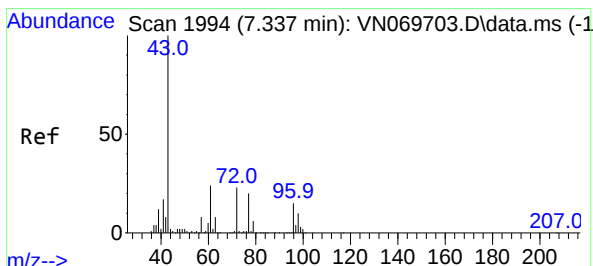
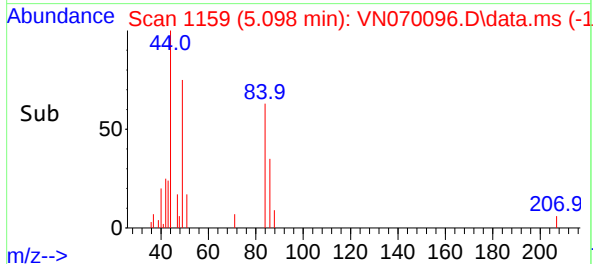
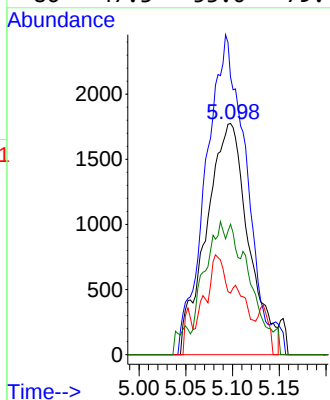


#20
Methylene Chloride
Concen: 0.381 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

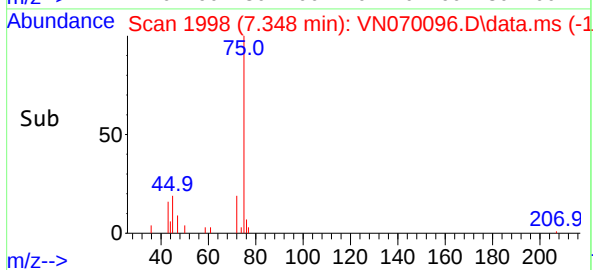
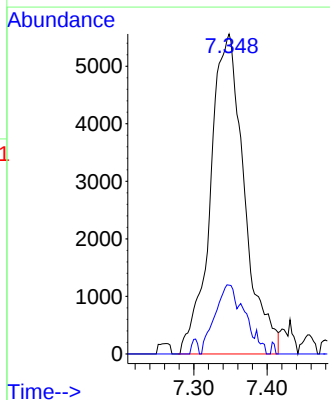
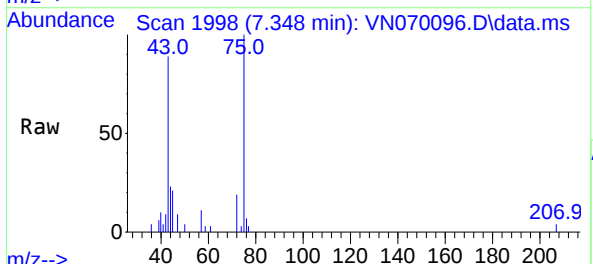


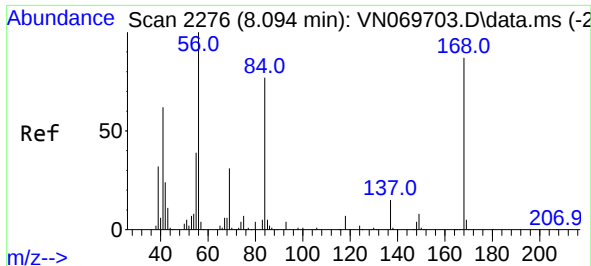
Tgt Ion: 84 Resp: 5571
Ion Ratio Lower Upper
84 100
49 120.1 93.5 140.3
51 26.6 29.4 44.2#
86 47.3 53.0 79.4#



#25
2-Butanone
Concen: 1.194 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

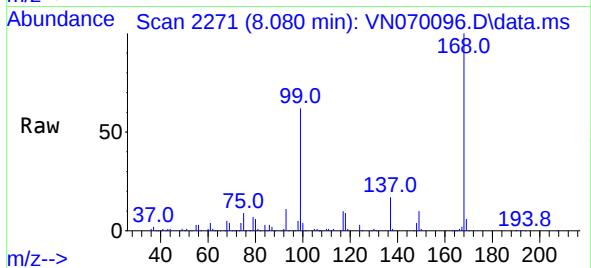
Tgt Ion: 43 Resp: 17850
Ion Ratio Lower Upper
43 100
72 21.5 21.7 32.5#



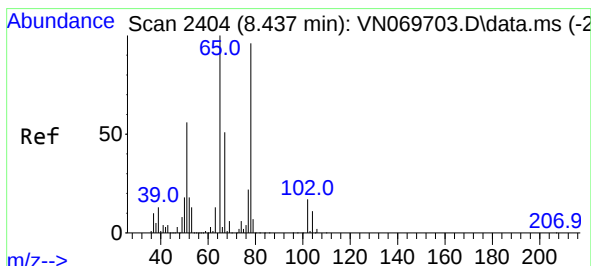
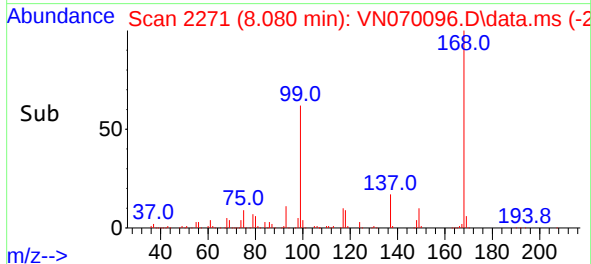
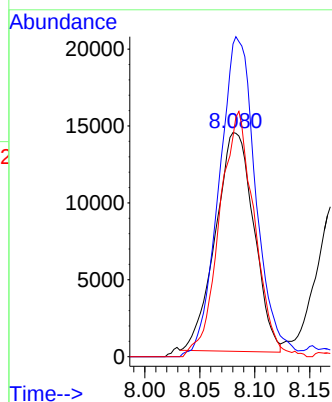


#31
Cyclohexane
Concen: 1.353 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

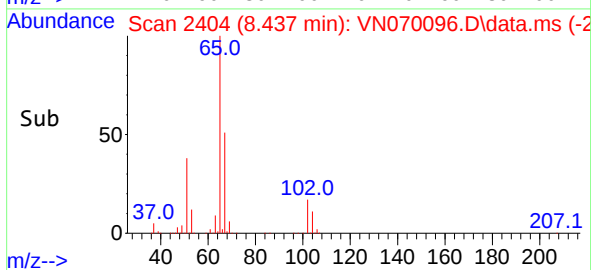
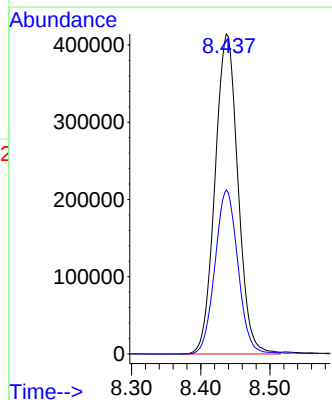
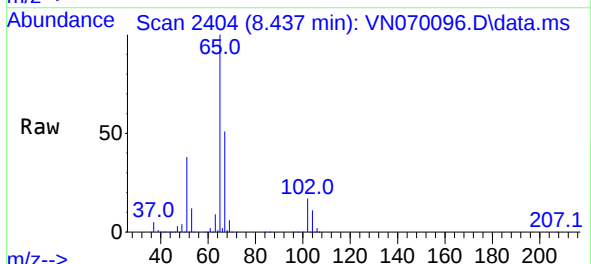


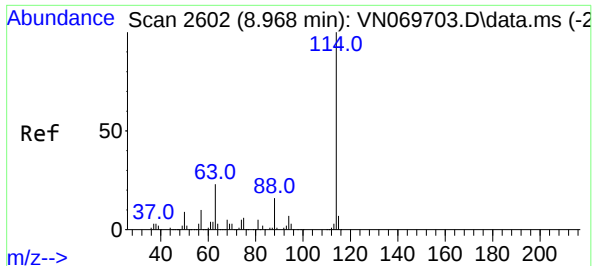
Tgt Ion: 56 Resp: 34443
Ion Ratio Lower Upper
56 100
69 143.5 27.1 40.7#
84 101.0 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 52.139 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

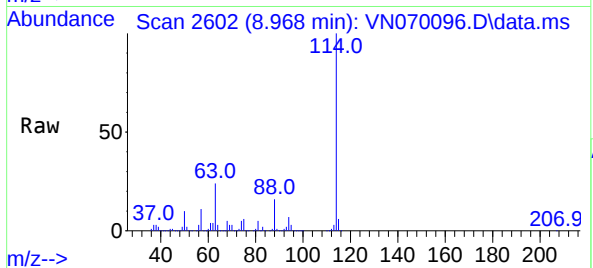
Tgt Ion: 65 Resp: 954014
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0





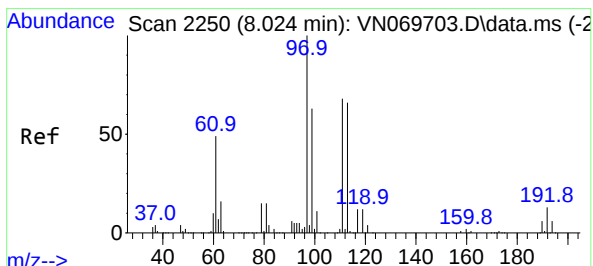
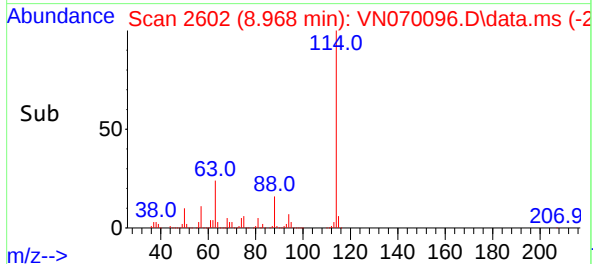
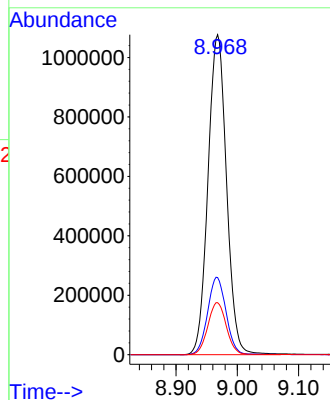
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 2264604

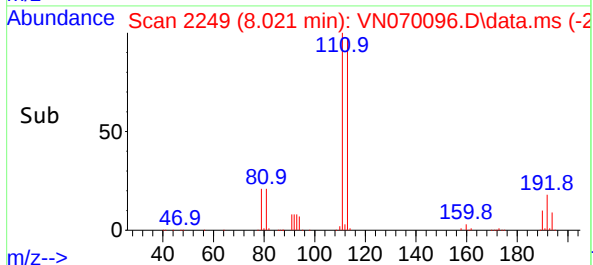
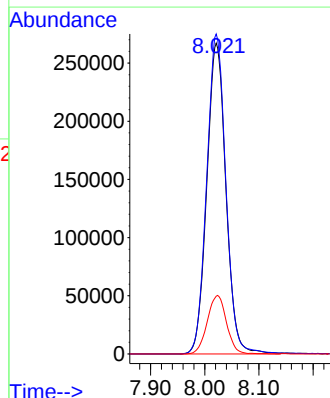
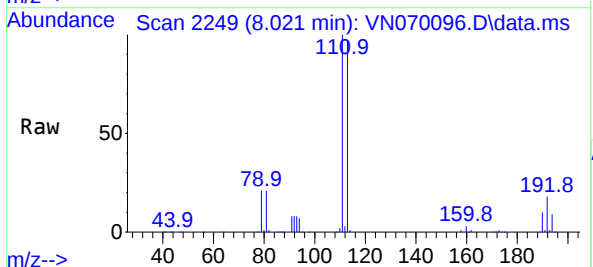
Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	37.8
88	16.3	0.0	27.4

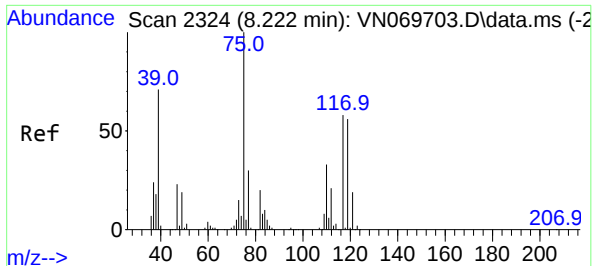


#35
Dibromofluoromethane
Concen: 46.239 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion:113 Resp: 655897

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	18.8	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.680 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

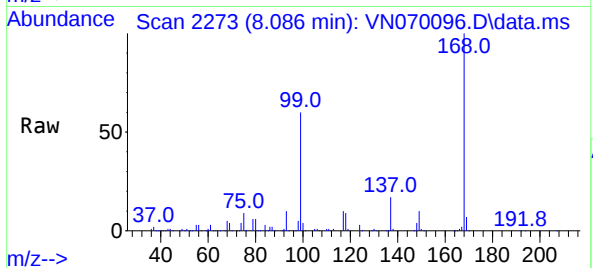
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Acq: 15 Dec 2021 2:28

Instrument :

MSVOA_N

ClientSampleId :



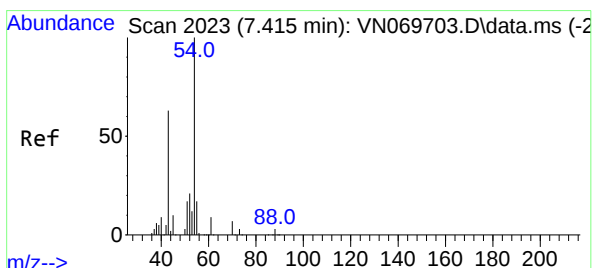
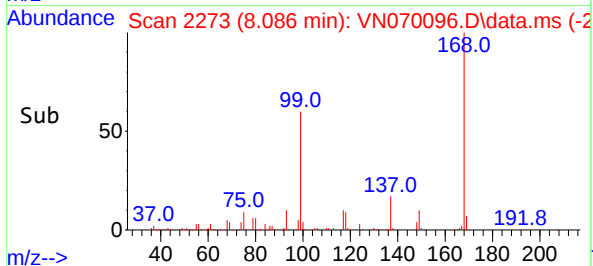
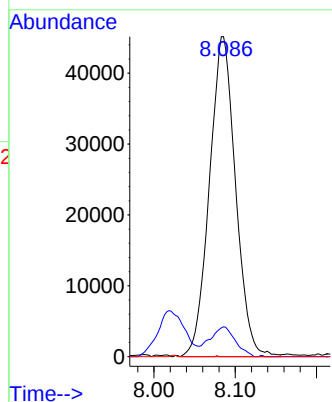
Tgt Ion: 75 Resp: 100901

Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.556 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.067 min

Lab File: VN070096.D

Acq: 15 Dec 2021 2:28

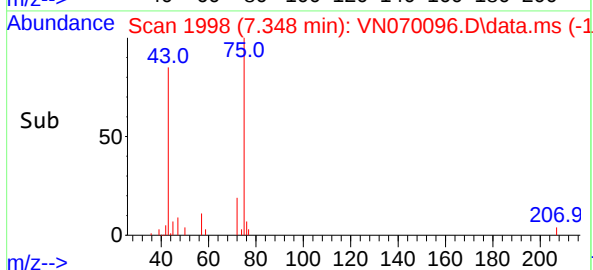
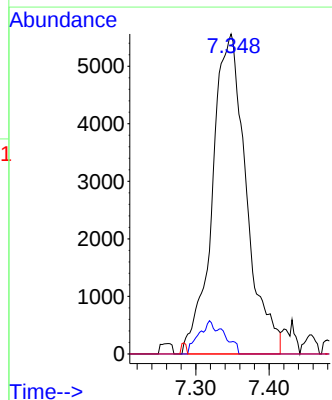
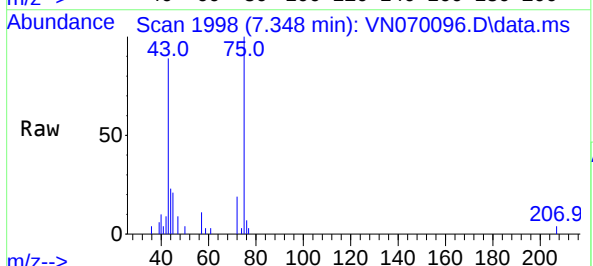
Tgt Ion: 43 Resp: 17850

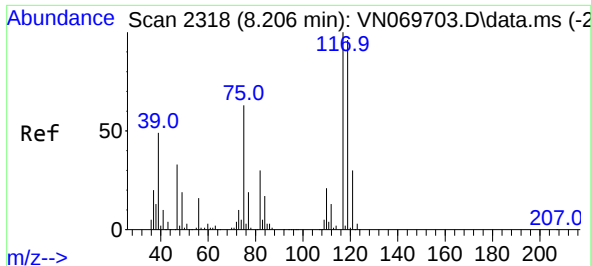
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

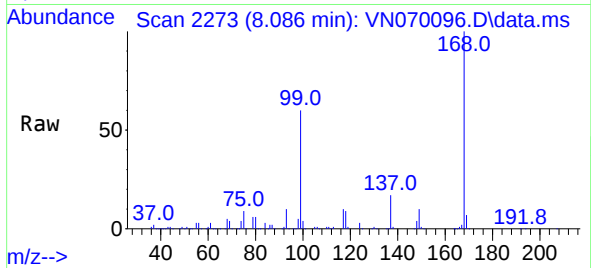
70 0.0 7.9 11.9#



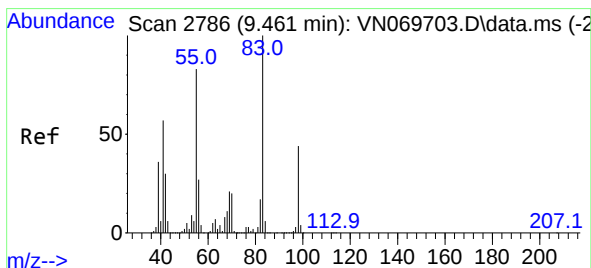
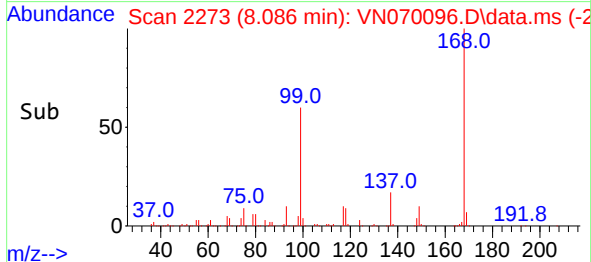
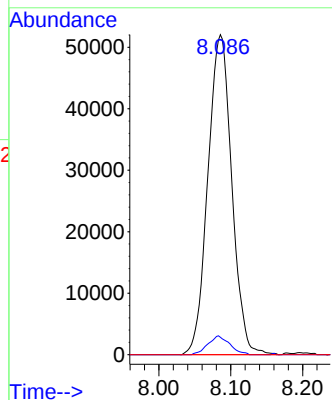


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

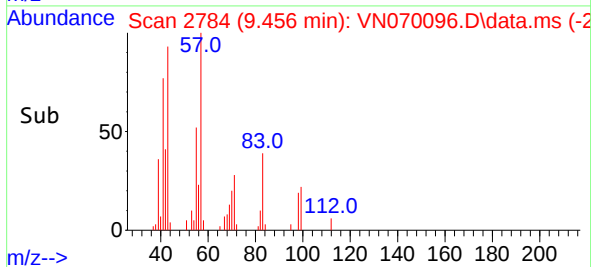
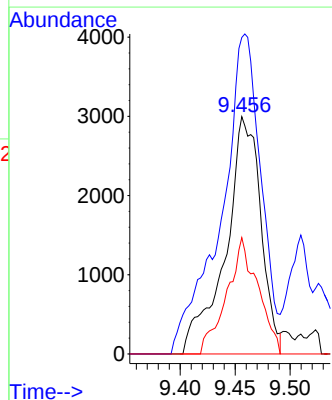
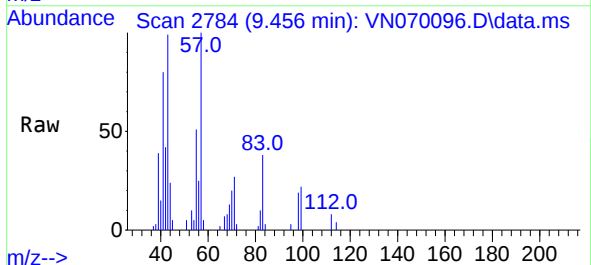


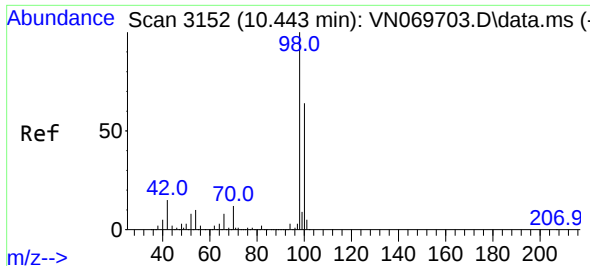
Tgt Ion:117 Resp: 120287
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.262 ug/l
RT: 9.456 min Scan# 2784
Delta R.T. -0.005 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

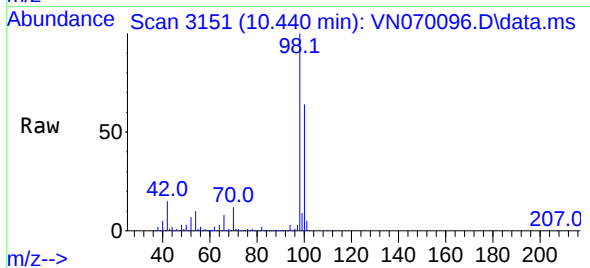
Tgt Ion: 83 Resp: 6709
Ion Ratio Lower Upper
83 100
55 120.2 58.1 87.1#
98 49.0 38.4 57.6



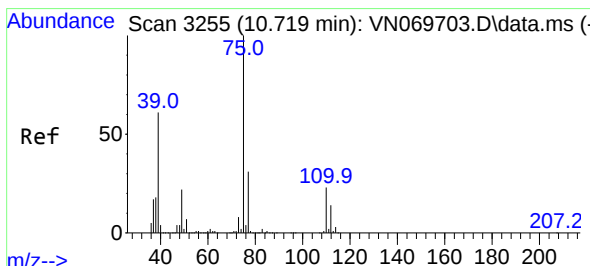
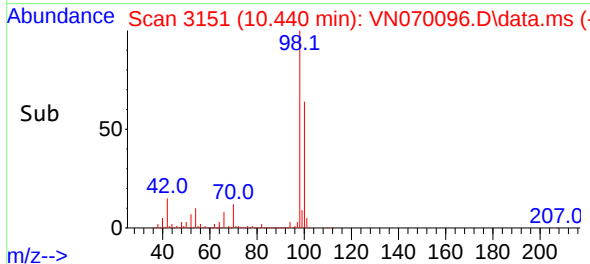
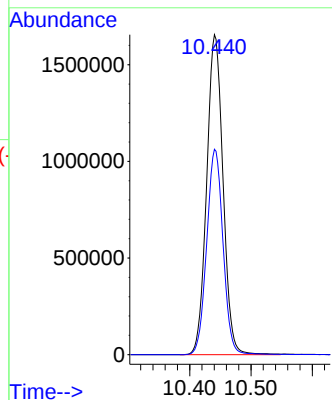


#50
Toluene-d8
Concen: 53.958 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

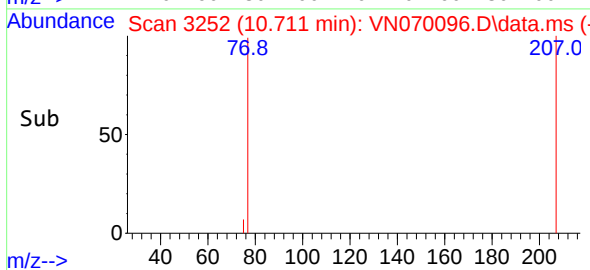
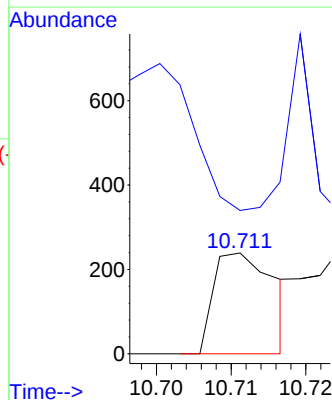
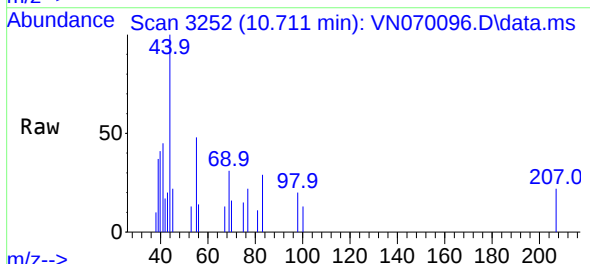


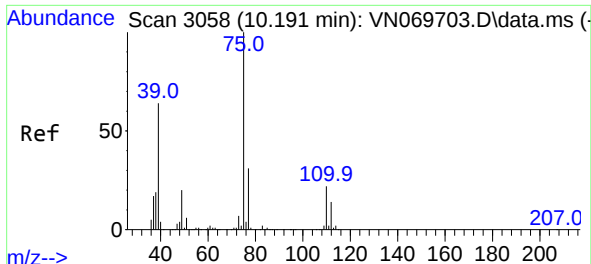
Tgt Ion: 98 Resp: 3073285
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.711 min Scan# 3252
Delta R.T. -0.008 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

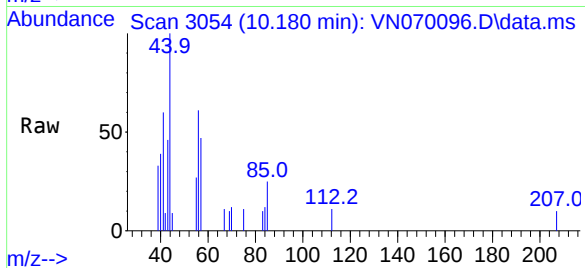
Tgt Ion: 75 Resp: 135
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



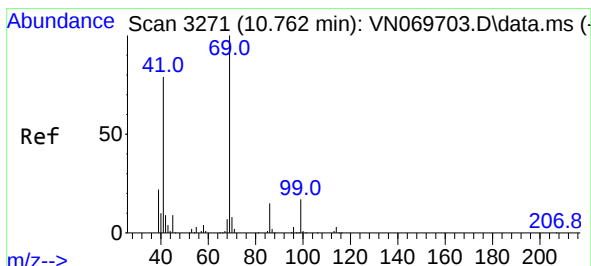
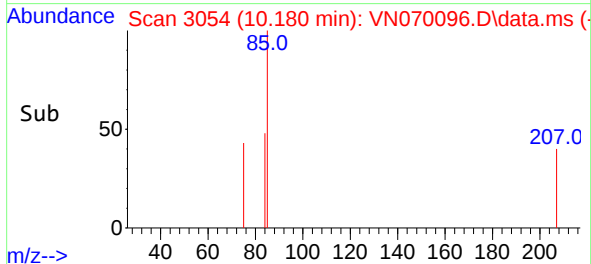
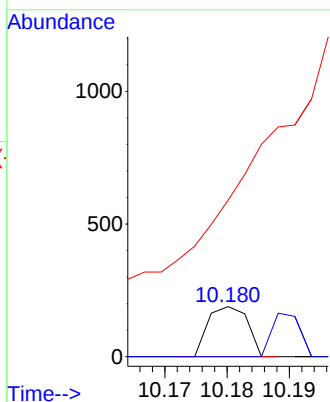


#54
cis-1,3-Dichloropropene
Concen: 2.002 ug/l
RT: 10.180 min Scan# 3058
Delta R.T. -0.011 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :

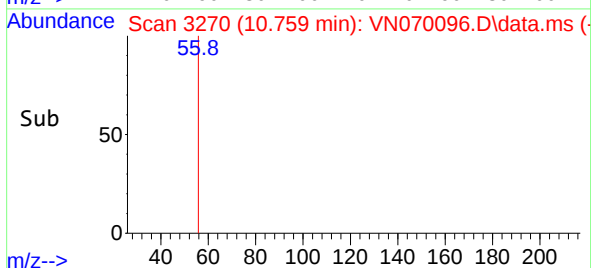
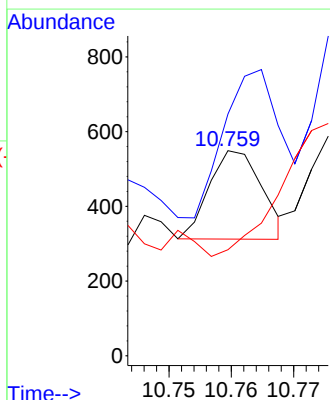
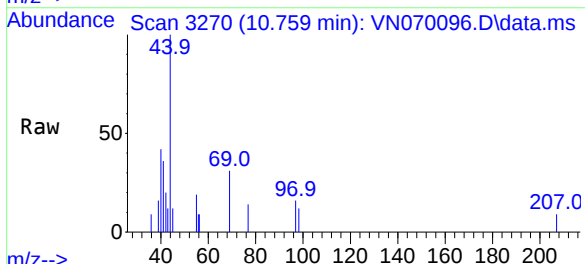


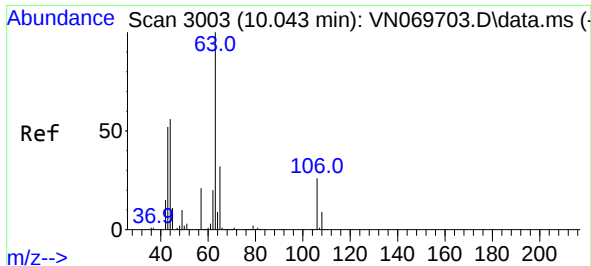
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 119.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.759 min Scan# 3270
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion: 69 Resp: 140
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#

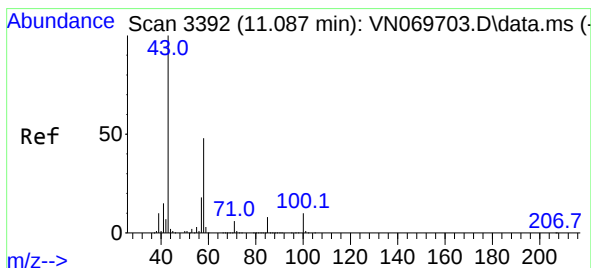
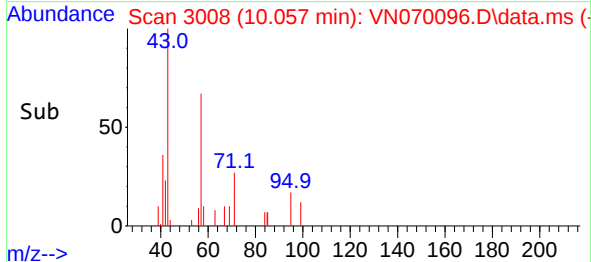
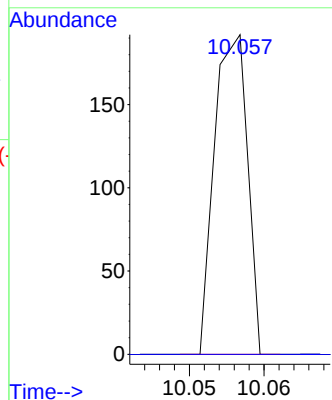
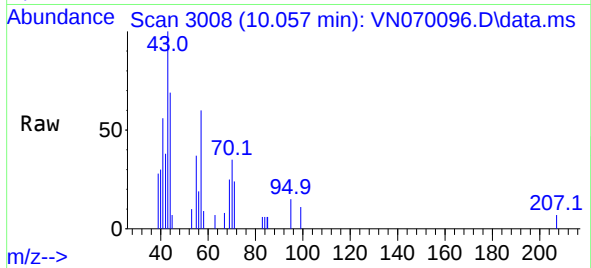




#58
2-Chloroethyl Vinyl ether
Concen: 18.395 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.014 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

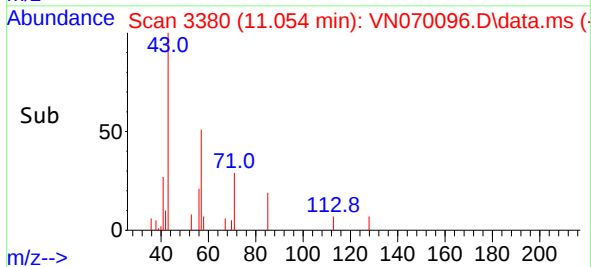
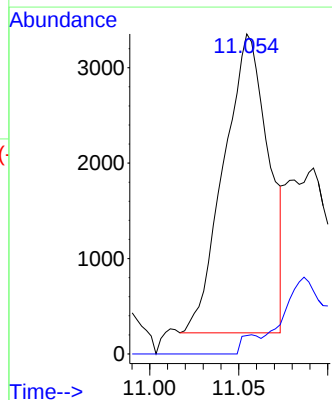
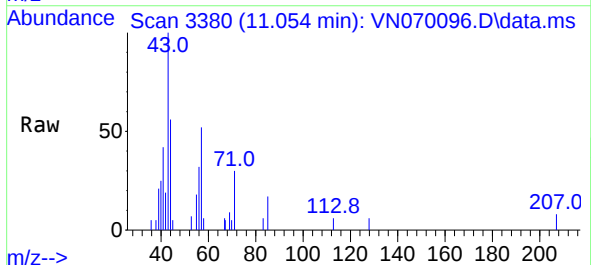
Instrument :
MSVOA_N
ClientSampleId :

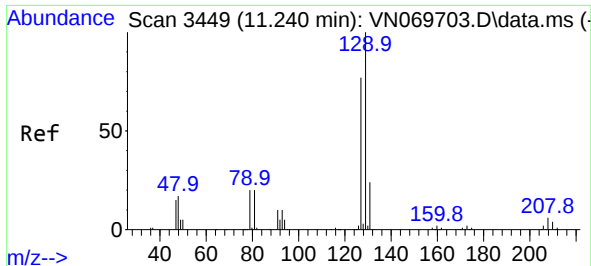
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 11.054 min Scan# 3380
Delta R.T. -0.033 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion: 43 Resp: 5480
Ion Ratio Lower Upper
43 100
58 2.7 26.9 80.7#

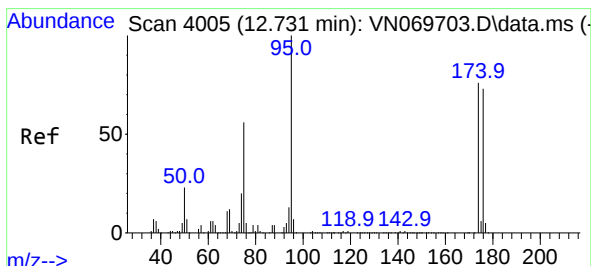
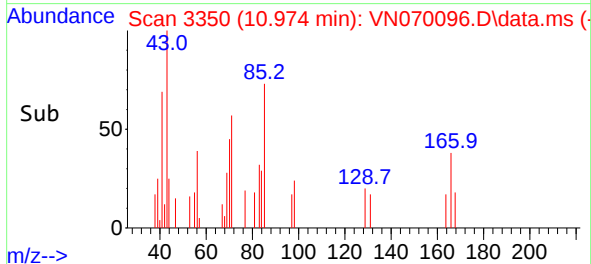
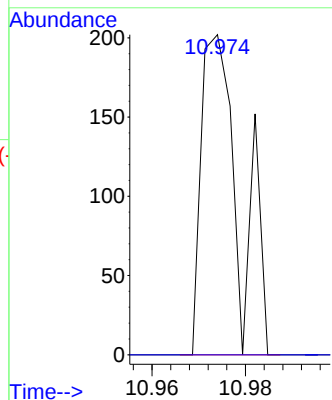
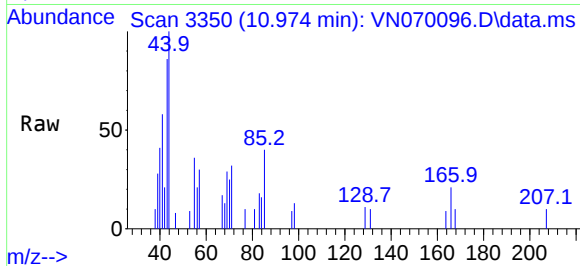




#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 10.974 min Scan# 311
Delta R.T. -0.266 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

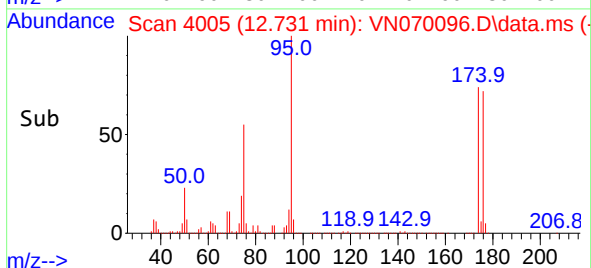
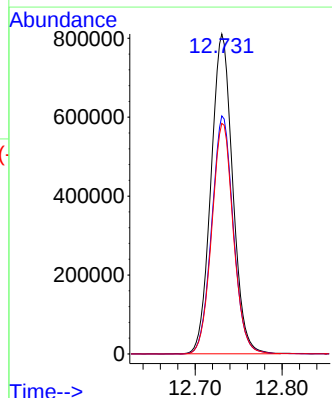
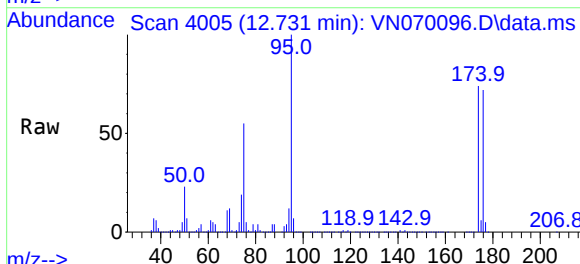
Instrument :
MSVOA_N
ClientSampleId :

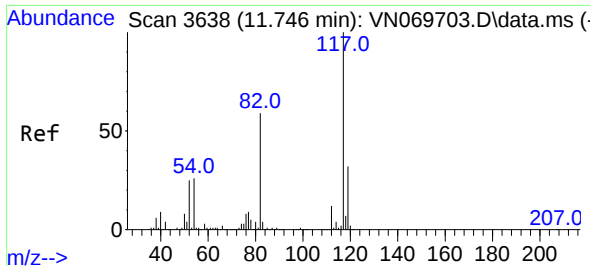
Tgt Ion:129 Resp: 113
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 67.994 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

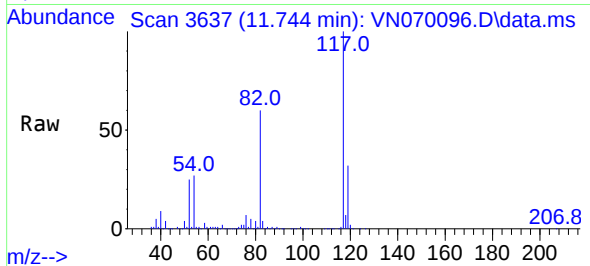
Tgt Ion: 95 Resp: 1403017
Ion Ratio Lower Upper
95 100
174 74.2 0.0 187.2
176 72.0 0.0 181.4





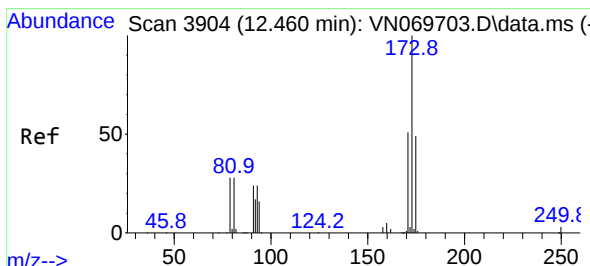
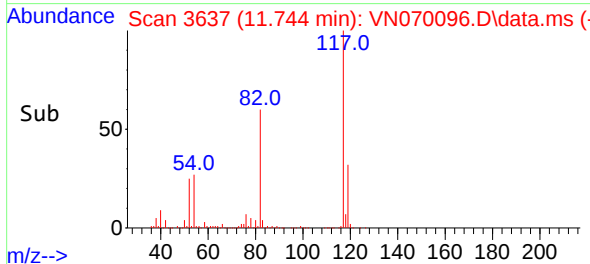
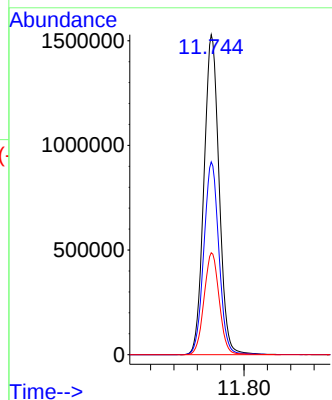
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 2753236

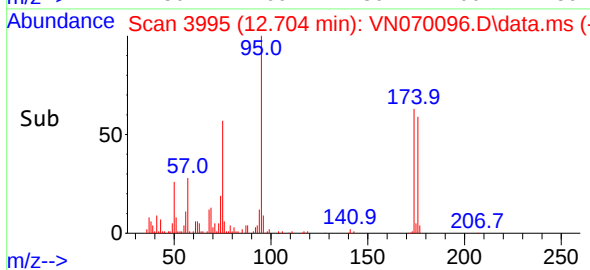
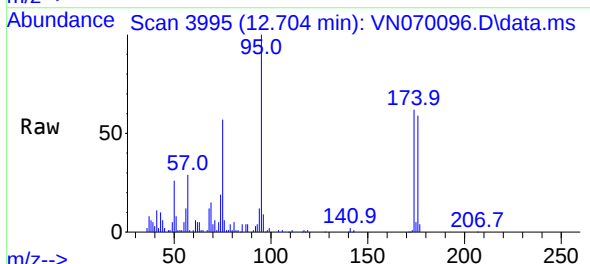
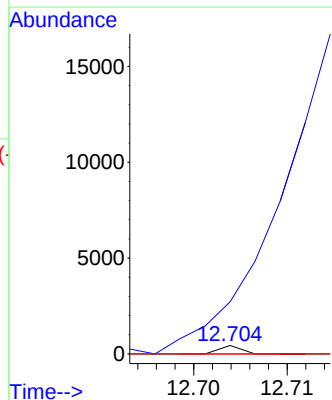
Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	31.9	25.4	38.2

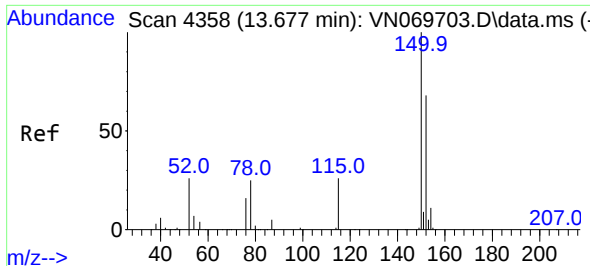


#71
Bromoform
Concen: 2.735 ug/l
RT: 12.704 min Scan# 3995
Delta R.T. 0.244 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion:173 Resp: 71

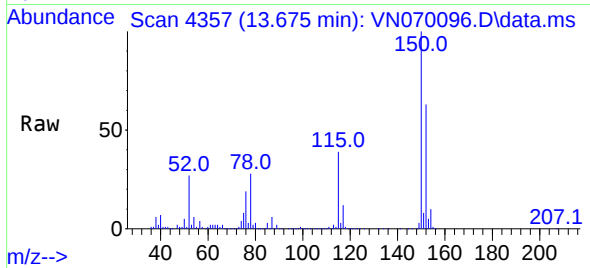
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	0.0	0.0	0.0





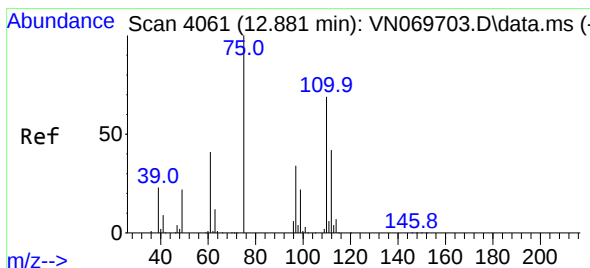
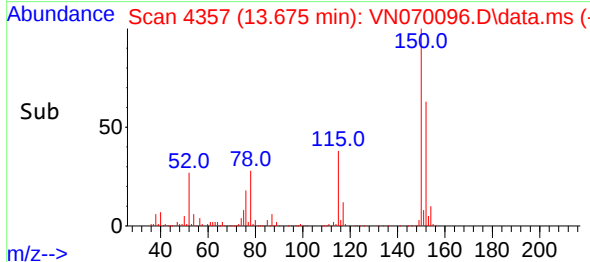
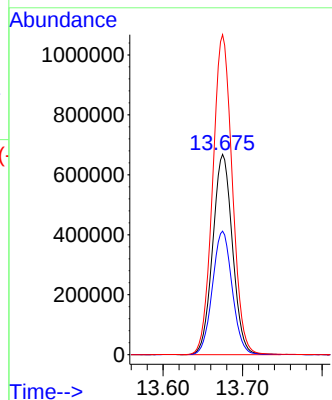
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070096.D
 Acq: 15 Dec 2021 2:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 1155737

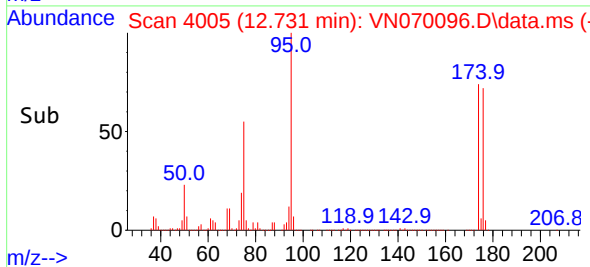
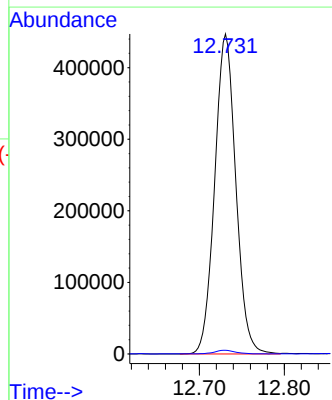
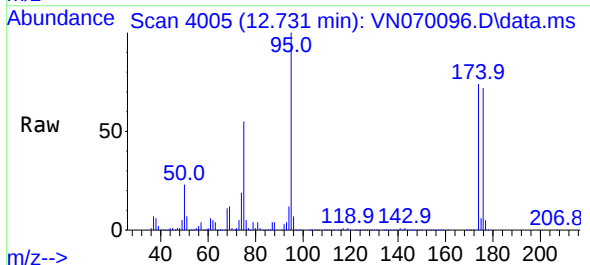
Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.5	82.5
150	158.6	0.0	344.4

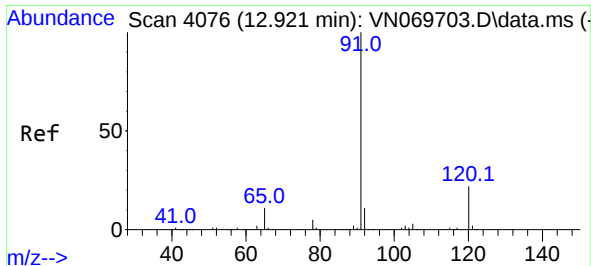


#76
 1,2,3-Trichloropropane
 Concen: 23.246 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070096.D
 Acq: 15 Dec 2021 2:28

Tgt Ion: 75 Resp: 770456

Ion	Ratio	Lower	Upper
75	100		
77	1.2	82.6	247.8#

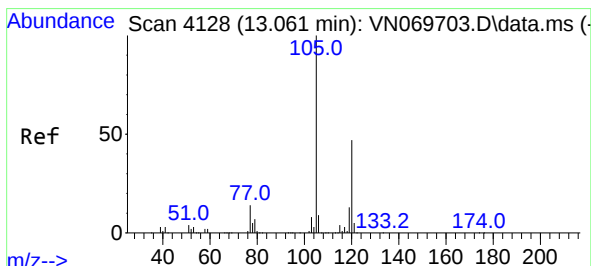
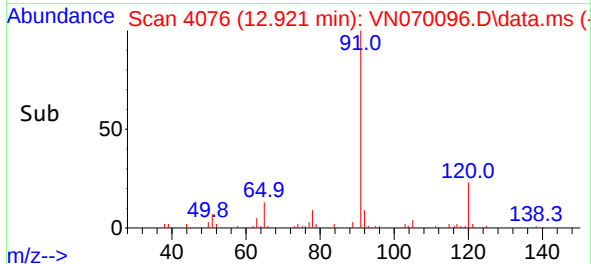
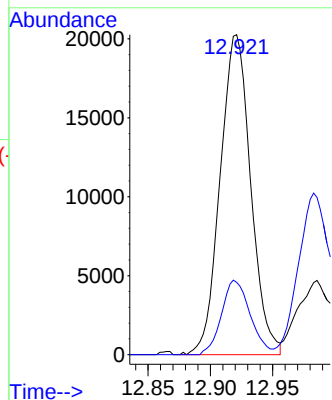
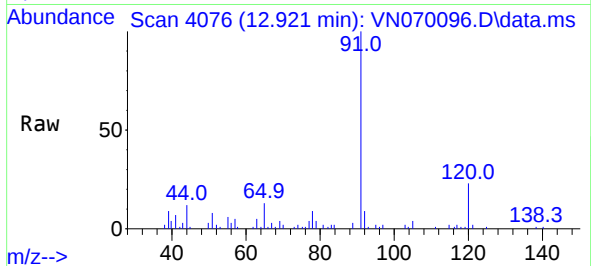




#78
n-propylbenzene
Concen: 0.302 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

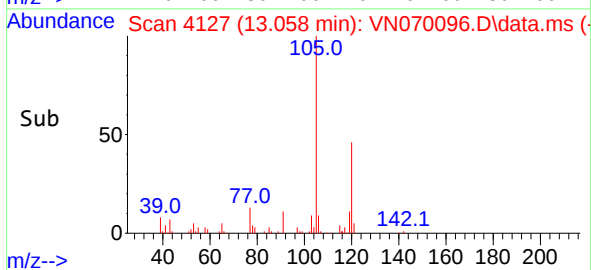
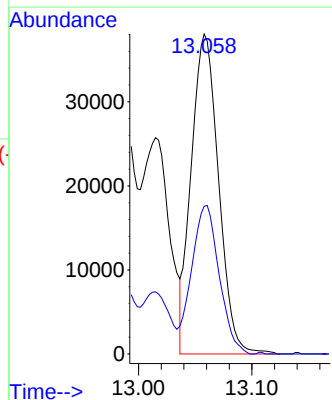
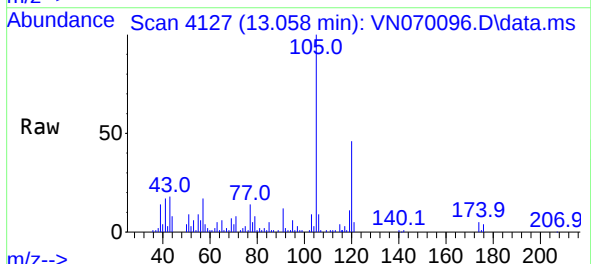
Instrument :
MSVOA_N
ClientSampleId :

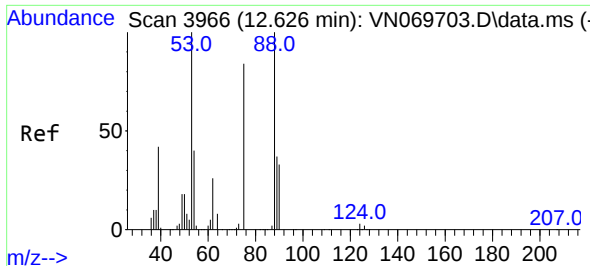
Tgt Ion: 91 Resp: 34604
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 0.770 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

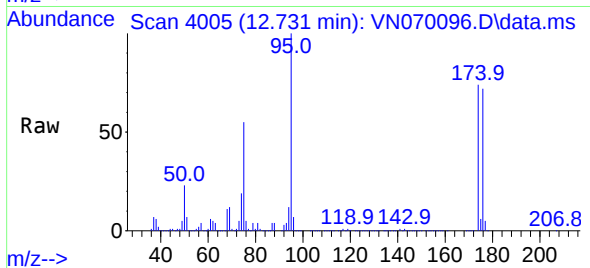
Tgt Ion: 105 Resp: 63742
Ion Ratio Lower Upper
105 100
120 47.2 24.6 73.6



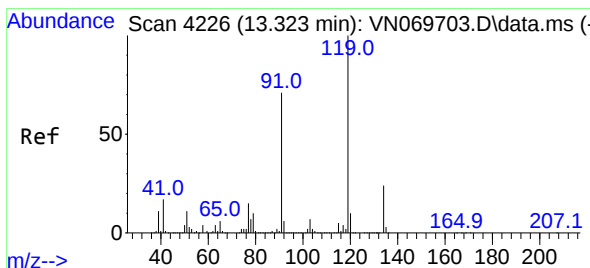
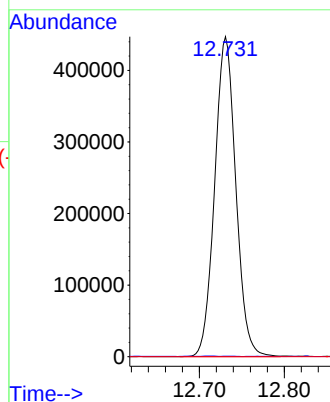
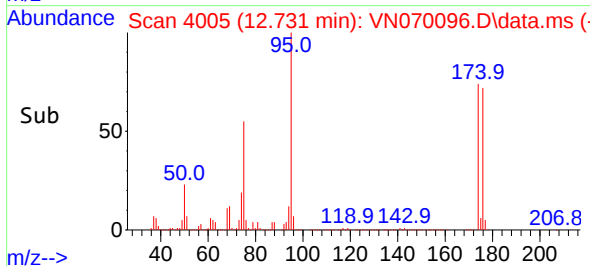


#81
trans-1,4-Dichloro-2-butene
Concen: 73.962 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

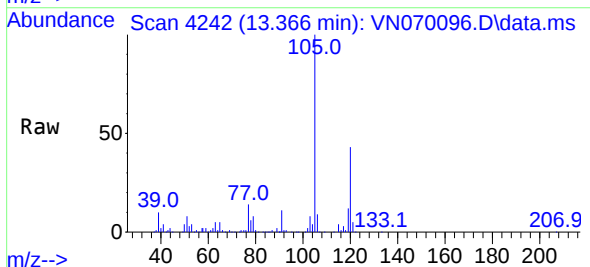
Instrument :
MSVOA_N
ClientSampleId :



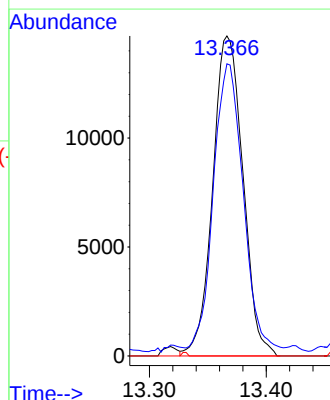
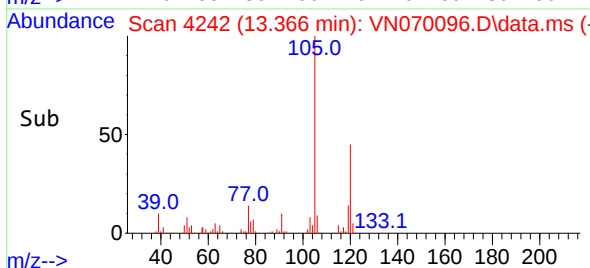
Tgt Ion: 75 Resp: 770456
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

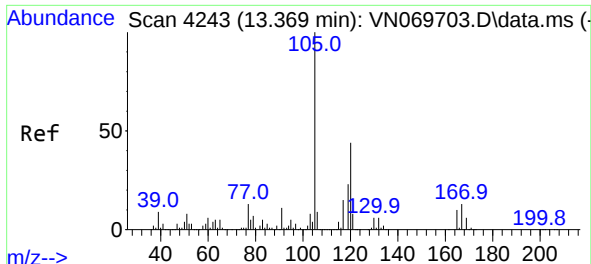


#83
tert-Butylbenzene
Concen: 0.360 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.043 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28



Tgt Ion: 119 Resp: 26349
Ion Ratio Lower Upper
119 100
91 85.9 31.5 94.5
134 0.0 12.4 37.4#

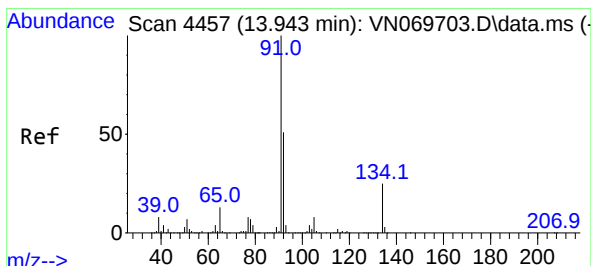
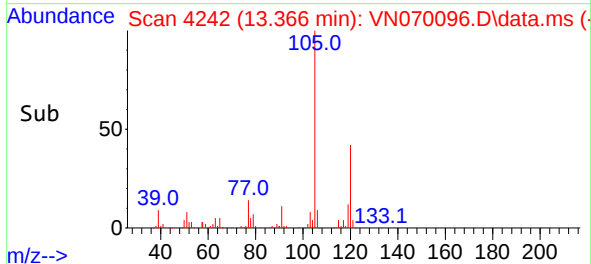
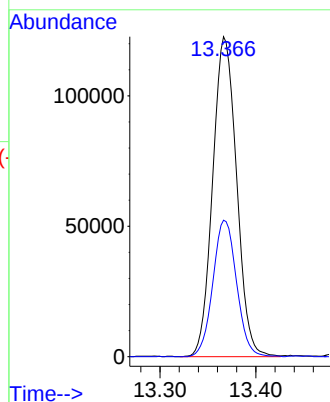
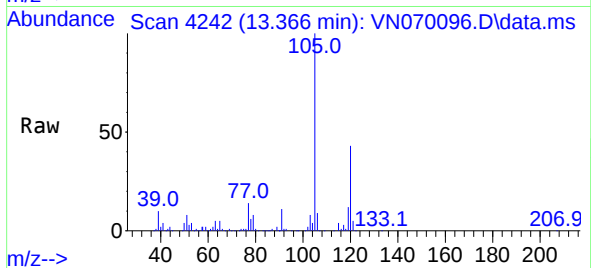




#84
1,2,4-Trimethylbenzene
Concen: 2.694 ug/l
RT: 13.366 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

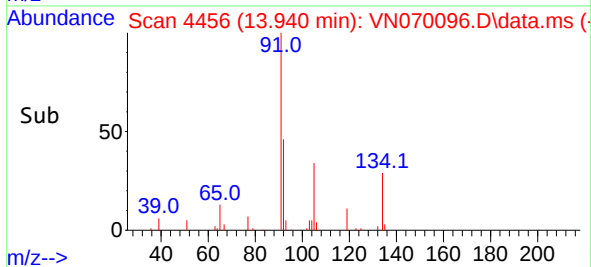
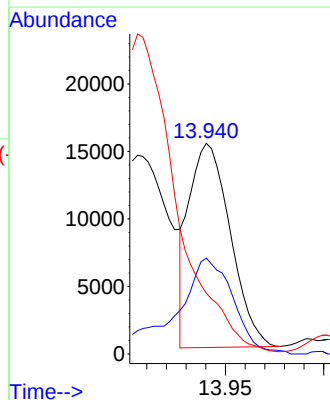
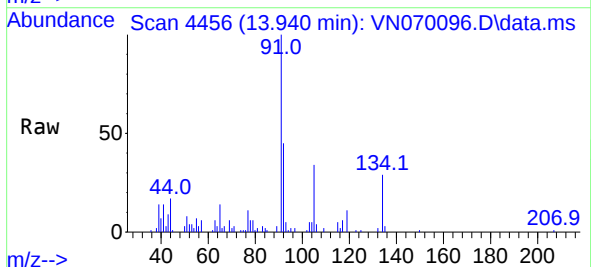
Instrument :
MSVOA_N
ClientSampleId :

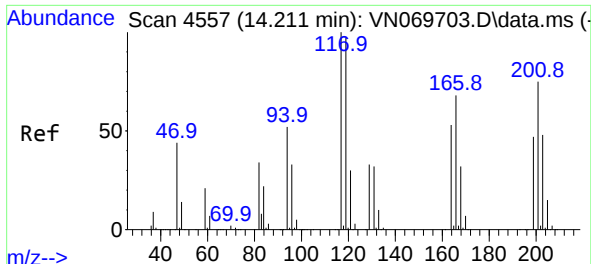
Tgt Ion:105 Resp: 212358
Ion Ratio Lower Upper
105 100
120 42.3 22.8 68.4



#89
n-Butylbenzene
Concen: 0.348 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion: 91 Resp: 21955
Ion Ratio Lower Upper
91 100
92 66.9 25.4 76.0
134 0.0 13.6 40.8#

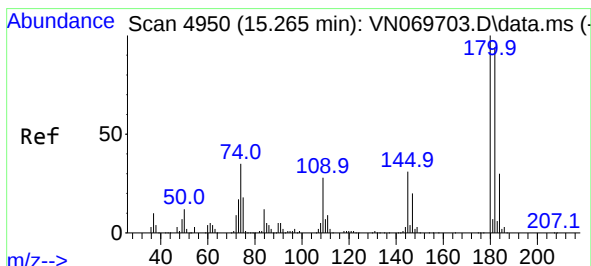
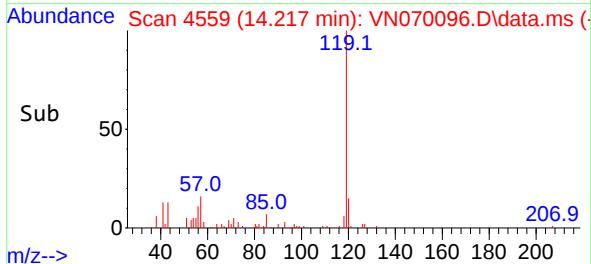
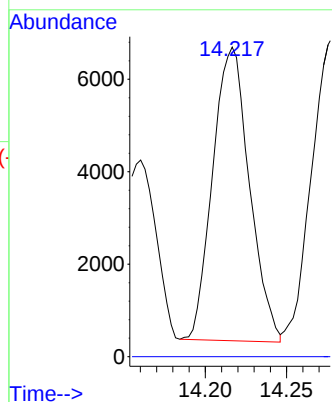
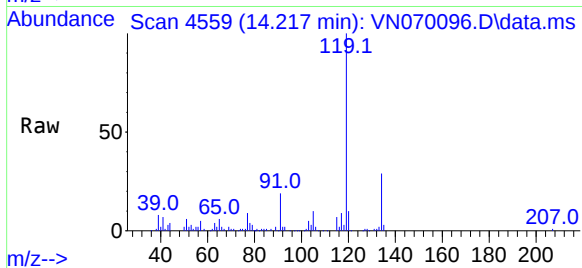




#90
Hexachloroethane
Concen: 0.732 ug/l
RT: 14.217 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

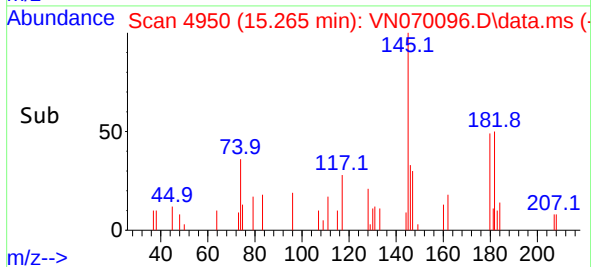
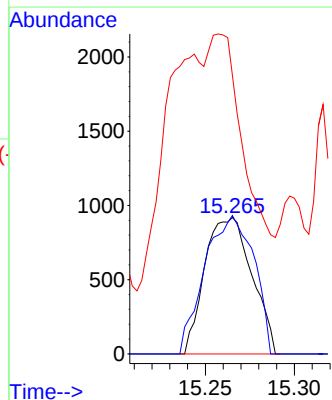
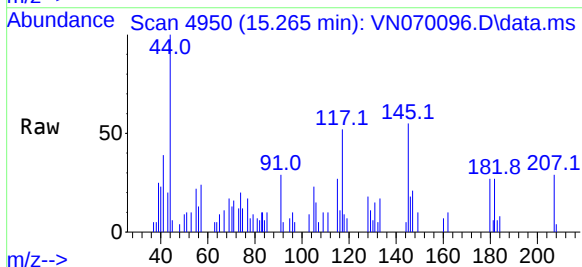
Instrument :
MSVOA_N
ClientSampleId :

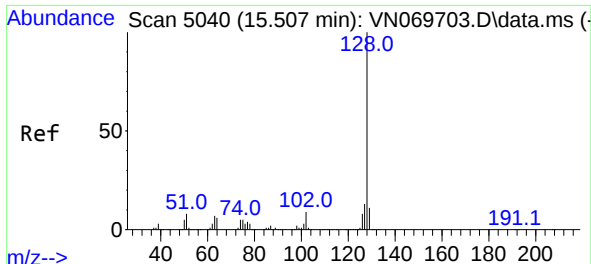
Tgt Ion:117 Resp: 9984
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



#93
1,2,4-Trichlorobenzene
Concen: 2.962 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

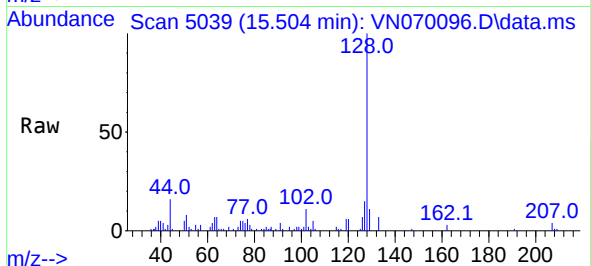
Tgt Ion:180 Resp: 1691
Ion Ratio Lower Upper
180 100
182 105.6 48.3 144.9
145 0.0 14.5 43.5#



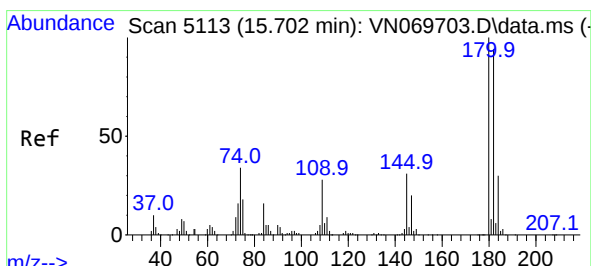
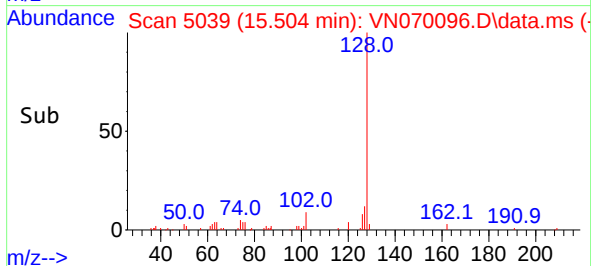
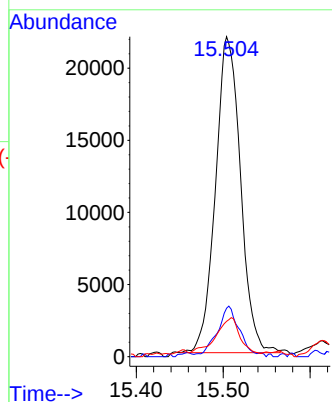


#95
Naphthalene
Concen: 4.700 ug/l
RT: 15.504 min Scan# 5108
Delta R.T. -0.003 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	43870
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.490 ug/l
RT: 15.692 min Scan# 5109
Delta R.T. -0.010 min
Lab File: VN070096.D
Acq: 15 Dec 2021 2:28

Tgt Ion:	180	Resp:	1051
Ion Ratio	Lower	Upper	
180	100		
182	216.6	47.4	142.2#
145	247.6	15.0	45.1#

