

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070411.D
 Acq On : 30 Dec 2021 20:14
 Operator : JC/MD
 Sample : M5234-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-23-21

Quant Time: Dec 31 05:23:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

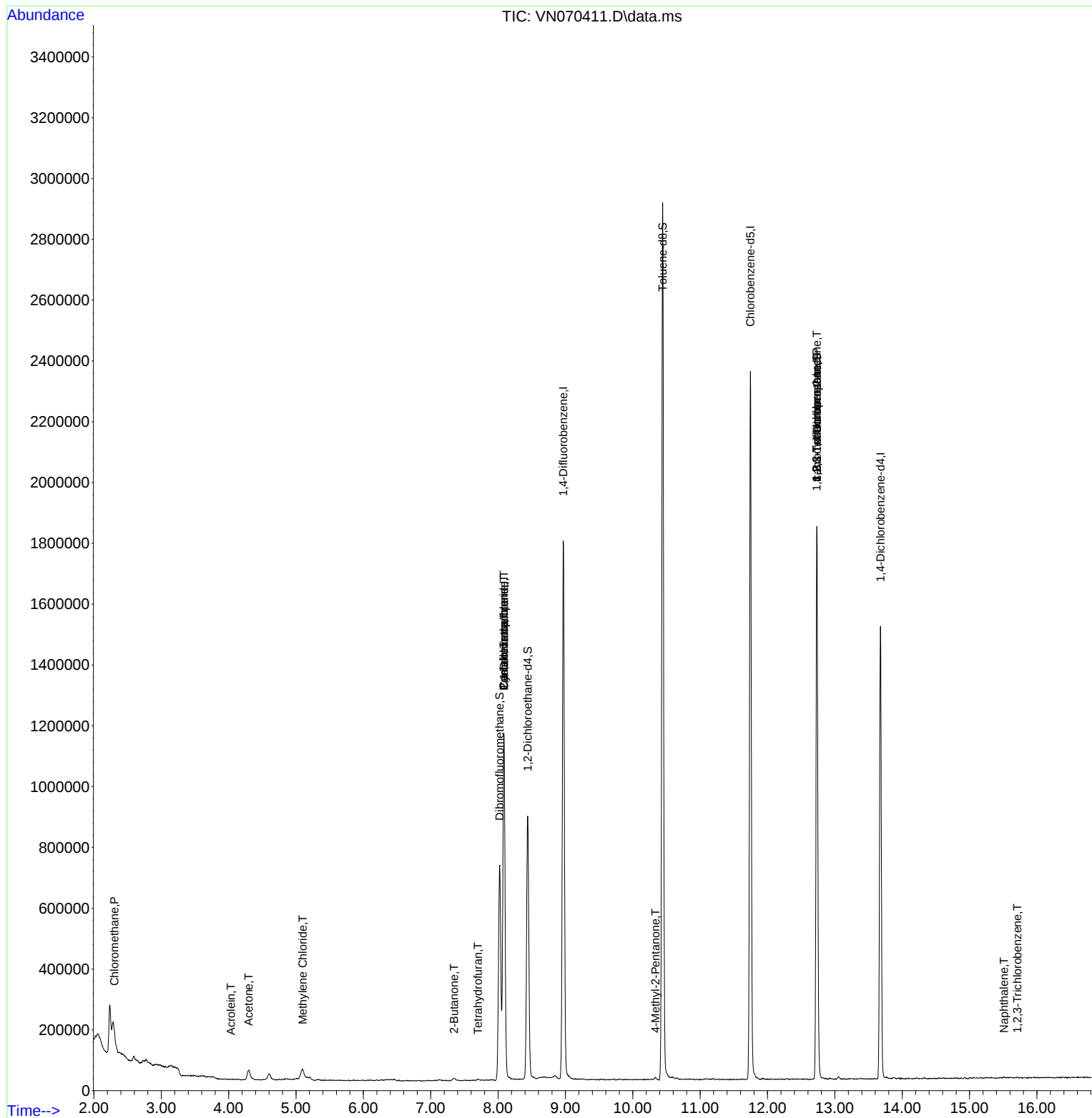
Internal Standards						
1) Pentafluorobenzene	8.088	168	871062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1512243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1336480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	419629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	731481	58.405	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.820%			
35) Dibromofluoromethane	8.024	113	520431	56.879	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.760%			
50) Toluene-d8	10.443	98	1986254	53.140	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.734	95	659596	48.858	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.720%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	5704	0.424	ug/l #	85
13) Acrolein	4.033	56	618	0.365	ug/l #	51
16) Acetone	4.296	43	57642	7.090	ug/l	98
20) Methylene Chloride	5.098	84	21669	1.926	ug/l #	86
25) 2-Butanone	7.346	43	9502	0.928	ug/l	95
29) Tetrahydrofuran	7.702	42	1874	0.307	ug/l #	56
31) Cyclohexane	8.086	56	20569	1.041	ug/l #	32
36) 1,1-Dichloropropene	8.086	75	72211	4.771	ug/l #	48
38) Carbon Tetrachloride	8.086	117	85625	5.924	ug/l #	17
51) 4-Methyl-2-Pentanone	10.339	43	5325	0.274	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.731	83	480	0.481	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	352205	29.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	352205	102.546	ug/l #	5
95) Naphthalene	15.512	128	2815	1.939	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.708	180	396	0.885	ug/l #	56

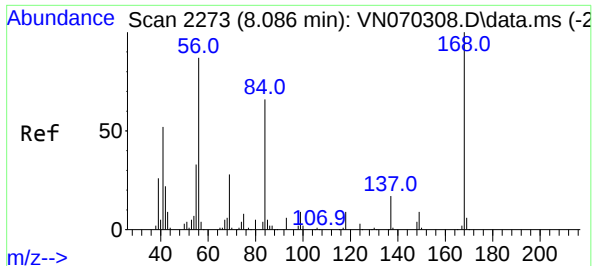
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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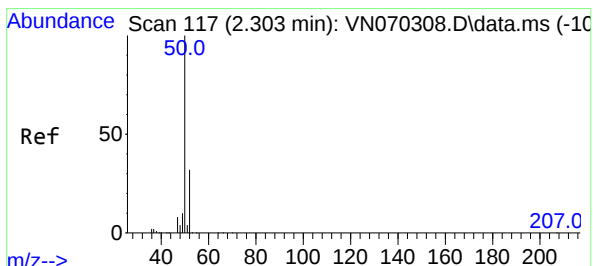
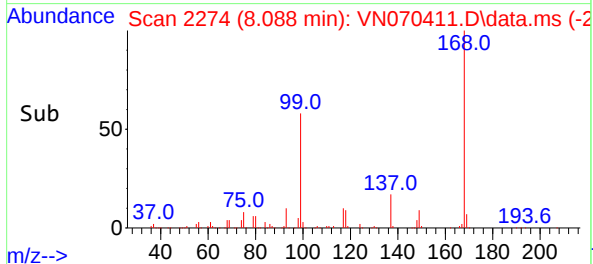
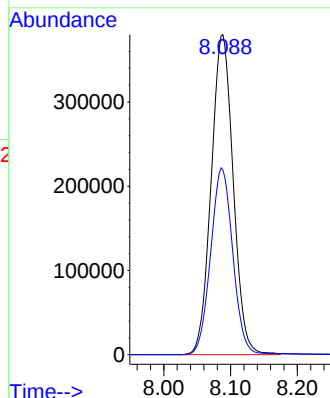
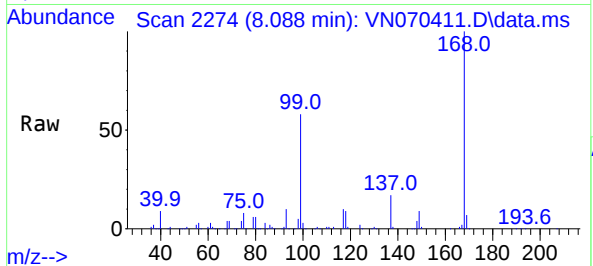




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

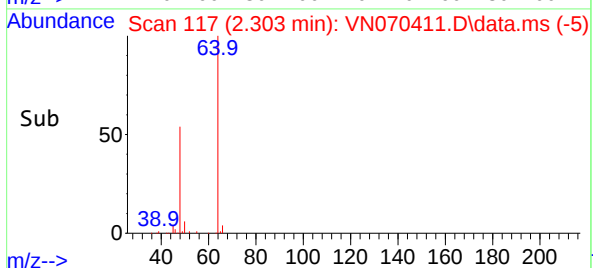
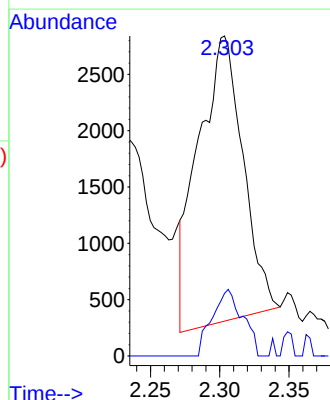
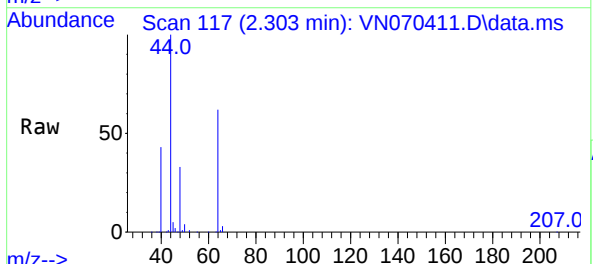
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

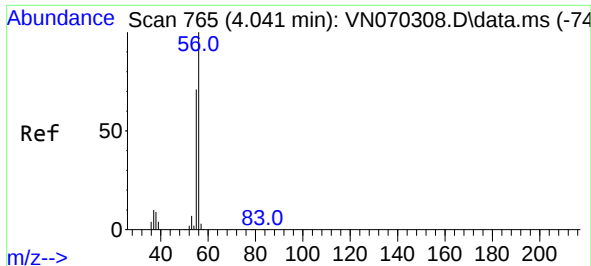
Tgt Ion:168 Resp: 871062
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.424 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 50 Resp: 5704
Ion Ratio Lower Upper
50 100
52 23.1 25.4 38.0#

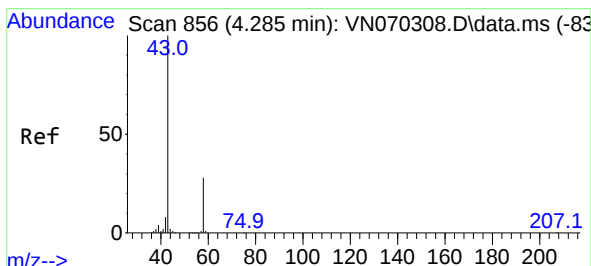
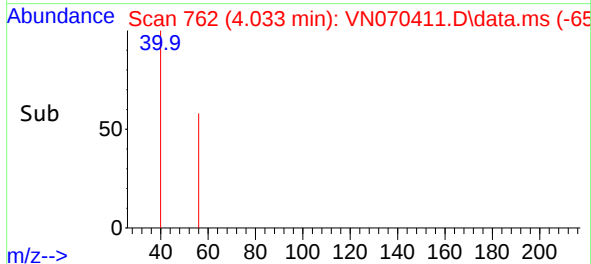
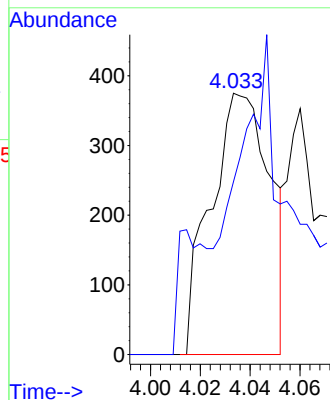
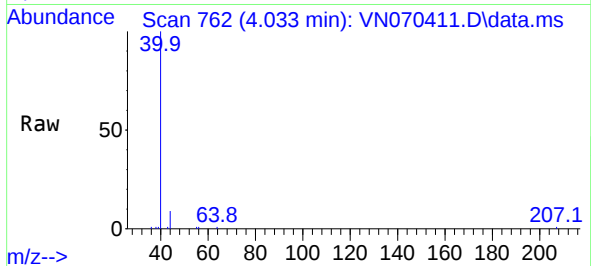




#13
Acrolein
Concen: 0.365 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

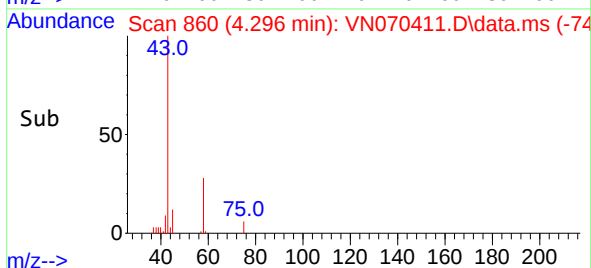
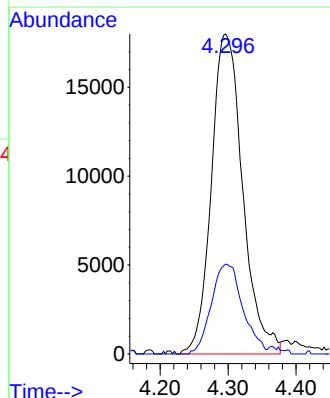
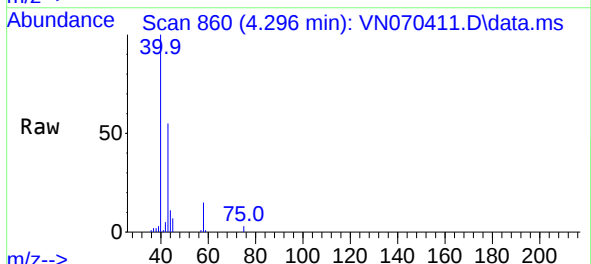
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

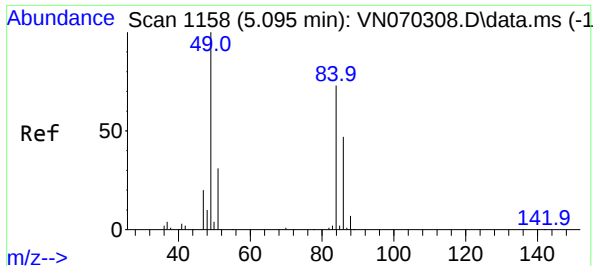
Tgt Ion: 56 Resp: 618
Ion Ratio Lower Upper
56 100
55 110.8 56.6 85.0#



#16
Acetone
Concen: 7.090 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 43 Resp: 57642
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7



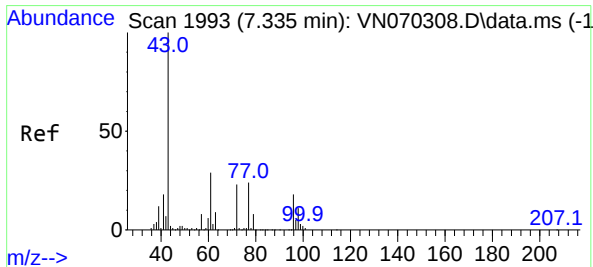
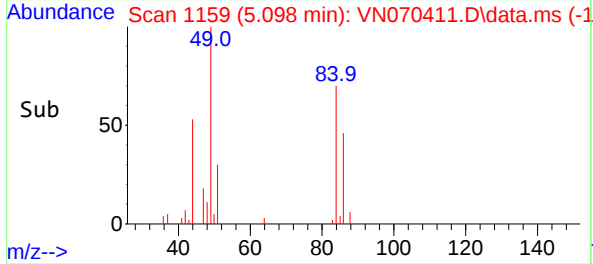
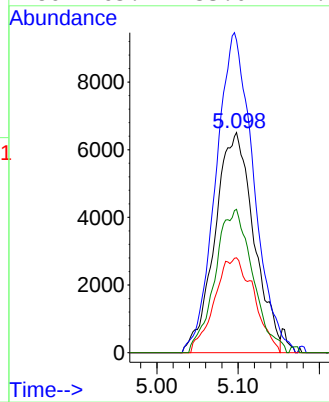
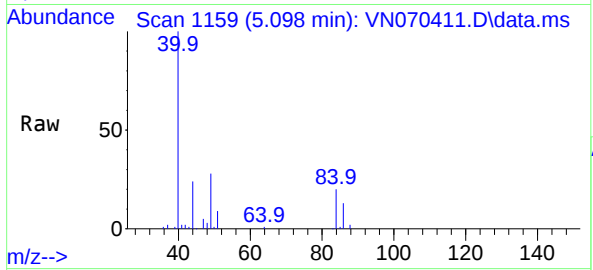


#20
Methylene Chloride
Concen: 1.926 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

Tgt Ion: 84 Resp: 21669

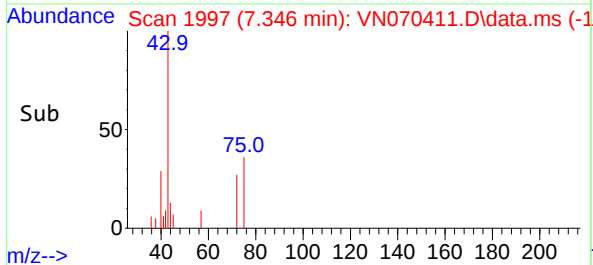
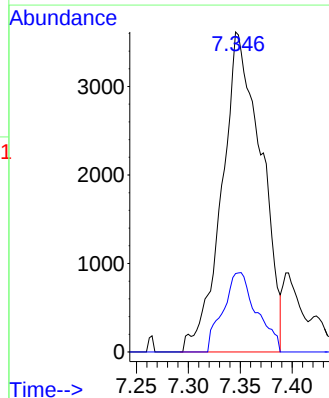
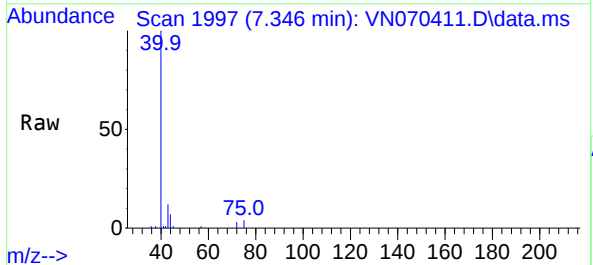
Ion	Ratio	Lower	Upper
84	100		
49	142.0	93.5	140.3#
51	43.1	29.4	44.2
86	65.2	53.0	79.4

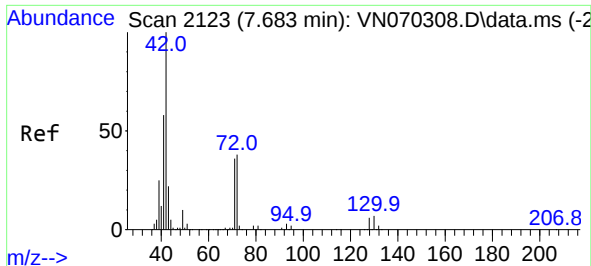


#25
2-Butanone
Concen: 0.928 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.011 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 43 Resp: 9502

Ion	Ratio	Lower	Upper
43	100		
72	24.5	21.7	32.5



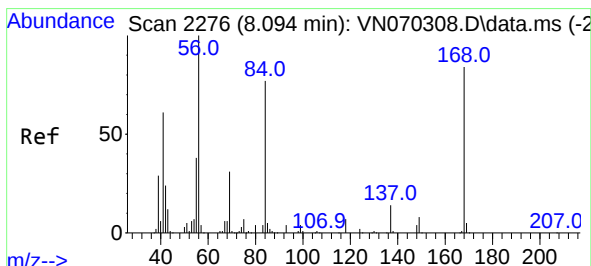
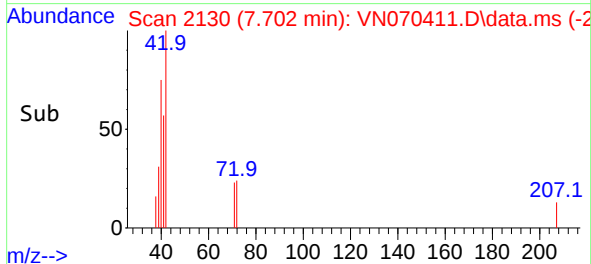
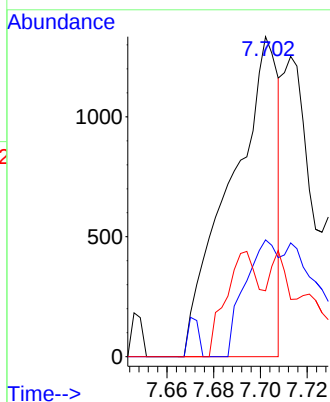
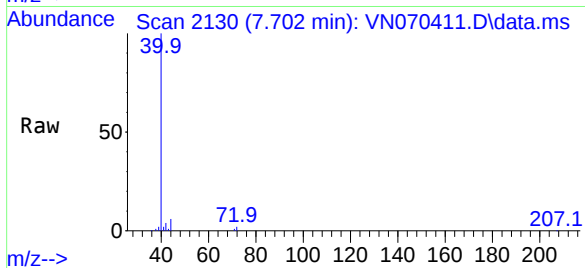


#29
Tetrahydrofuran
Concen: 0.307 ug/l
RT: 7.702 min Scan# 2123
Delta R.T. 0.019 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

Tgt Ion: 42 Resp: 1874

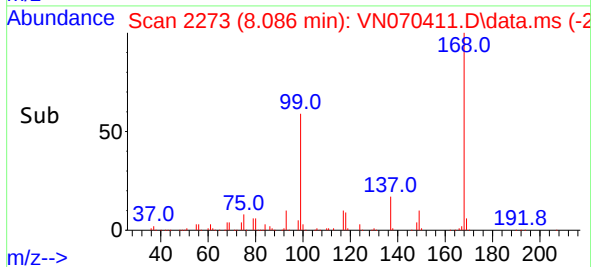
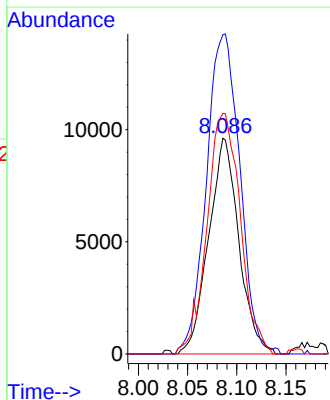
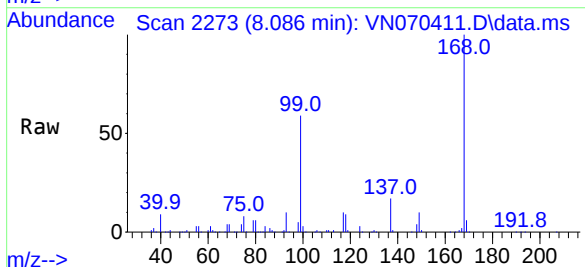
Ion	Ratio	Lower	Upper
42	100		
72	25.6	36.3	54.5#
71	5.6	34.7	52.1#

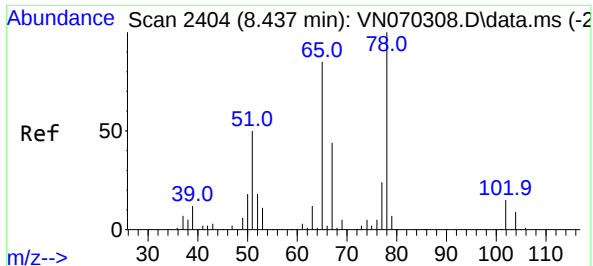


#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 56 Resp: 20569

Ion	Ratio	Lower	Upper
56	100		
69	145.7	27.1	40.7#
84	111.6	73.4	110.0#

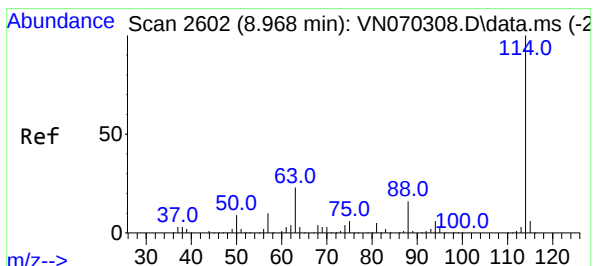
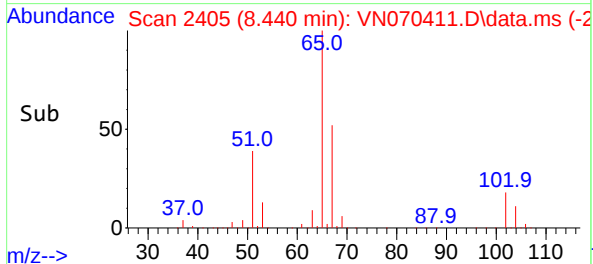
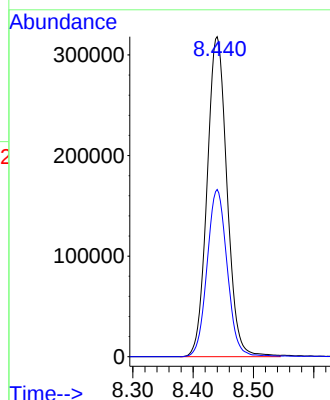
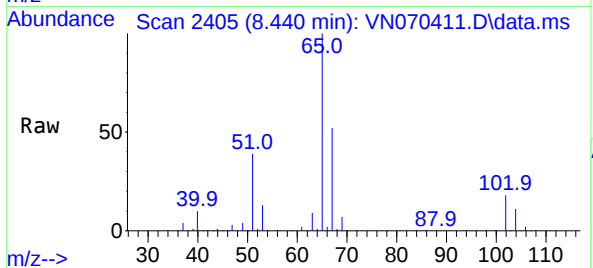




#33
1,2-Dichloroethane-d4
Concen: 58.405 ug/l
RT: 8.440 min Scan# 24
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

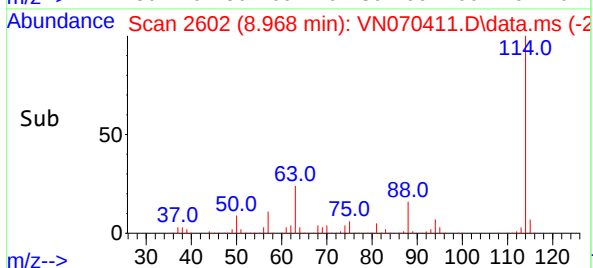
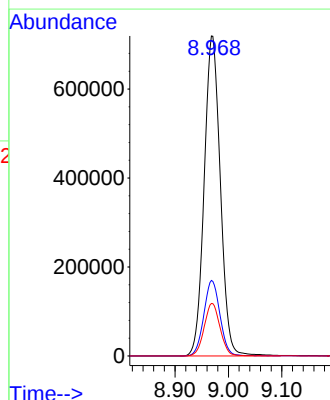
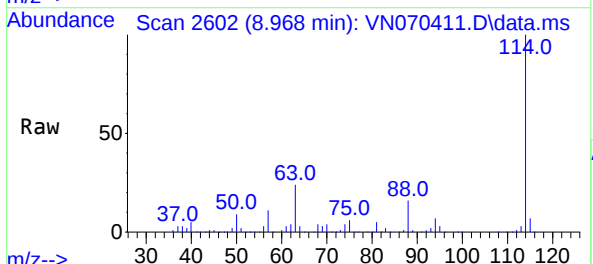
Instrument :
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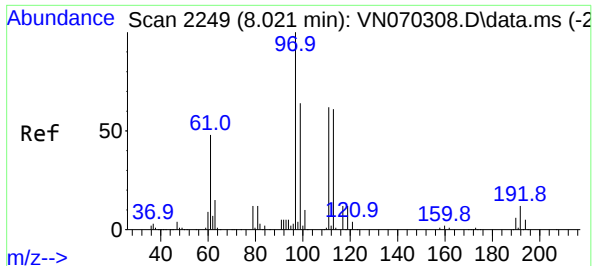
Tgt Ion: 65 Resp: 731481
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 114 Resp: 1512243
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.4 0.0 27.4

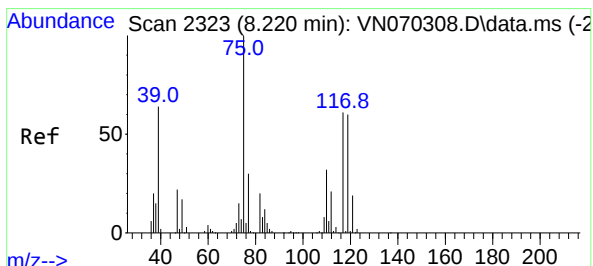
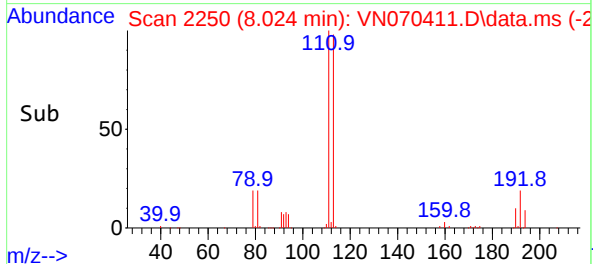
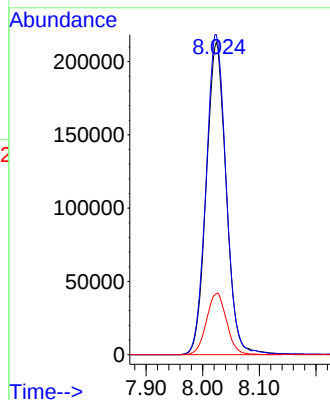
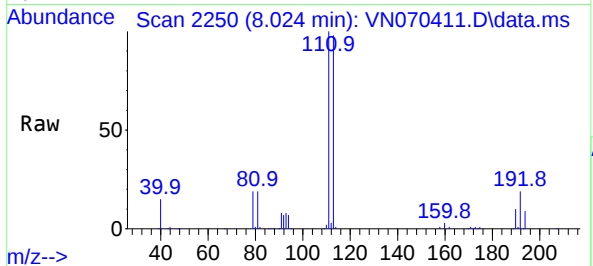




#35
Dibromofluoromethane
Concen: 56.879 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

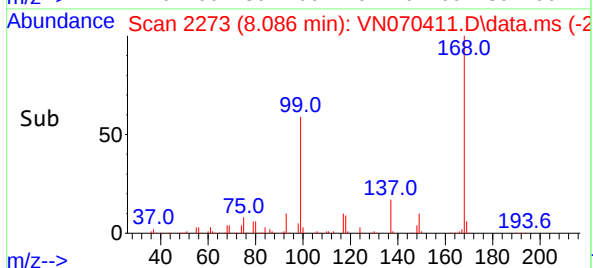
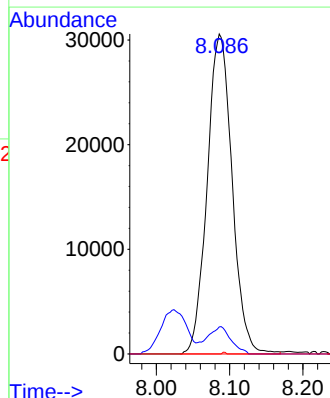
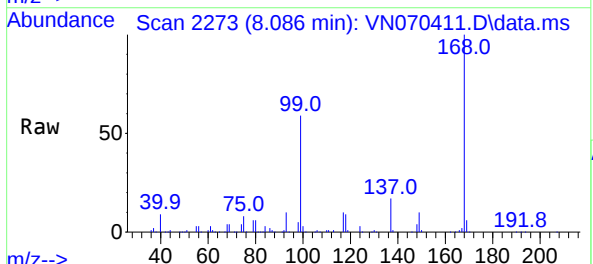
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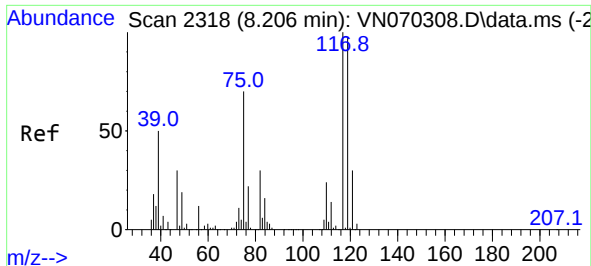
Tgt Ion:113 Resp: 520431
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 75 Resp: 72211
Ion Ratio Lower Upper
75 100
110 7.6 18.4 55.2#
77 0.1 24.4 36.6#

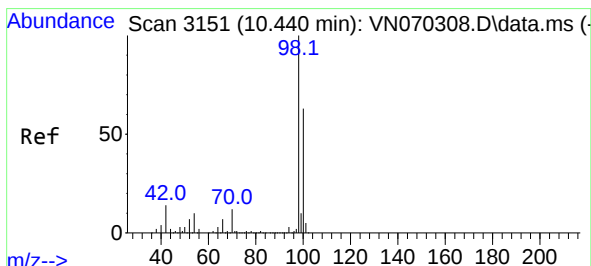
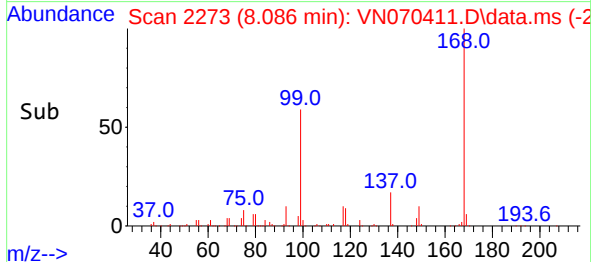
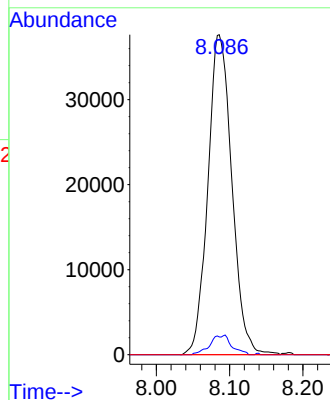
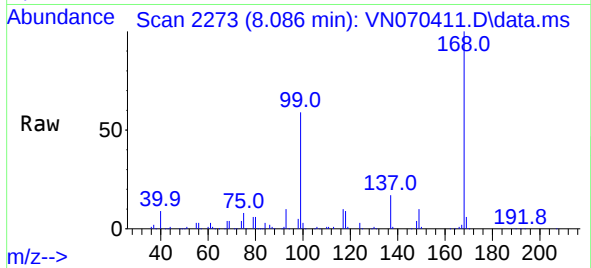




#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.120 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

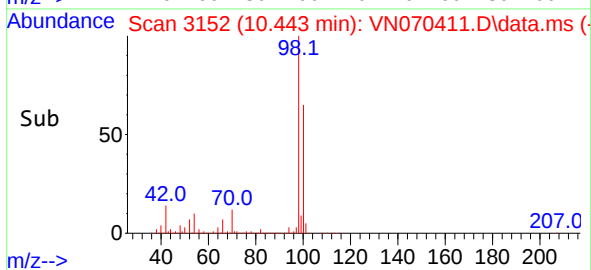
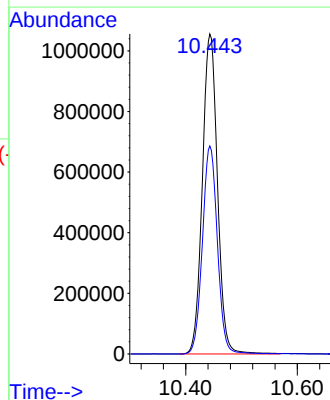
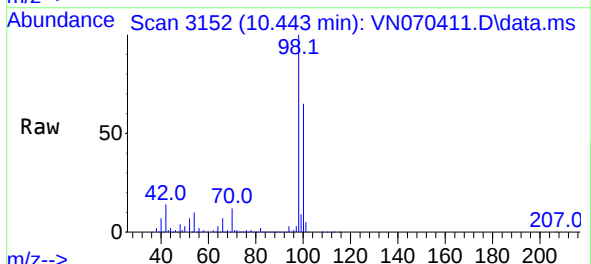
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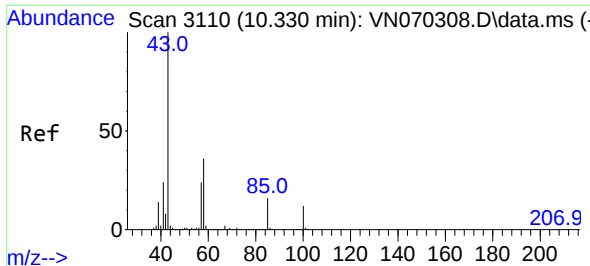
Tgt Ion:117 Resp: 85625
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.140 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 98 Resp: 1986254
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

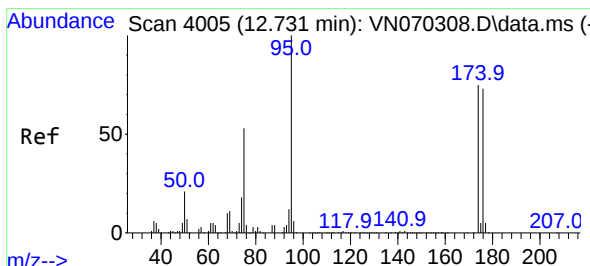
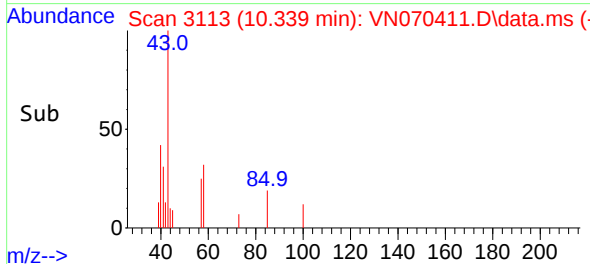
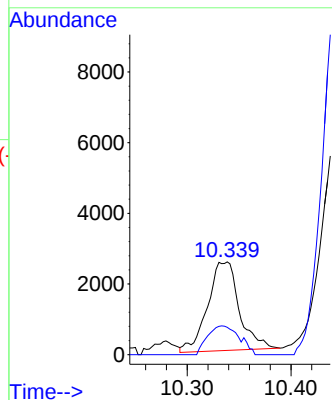
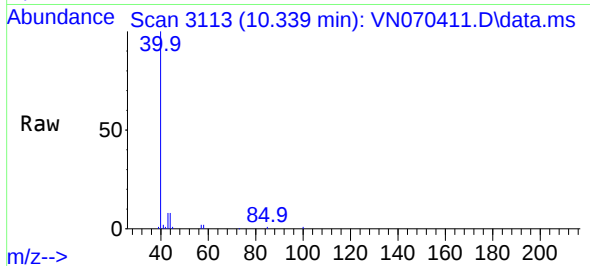




#51
4-Methyl-2-Pentanone
Concen: 0.274 ug/l
RT: 10.339 min Scan# 3110
Delta R.T. 0.009 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

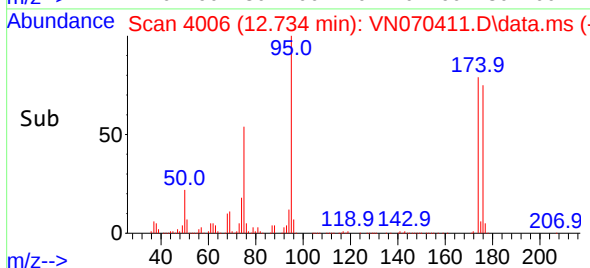
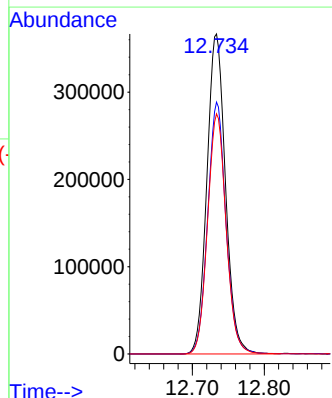
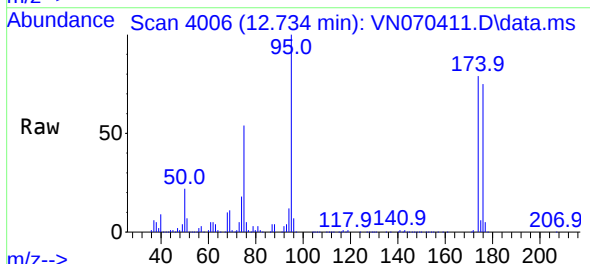
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

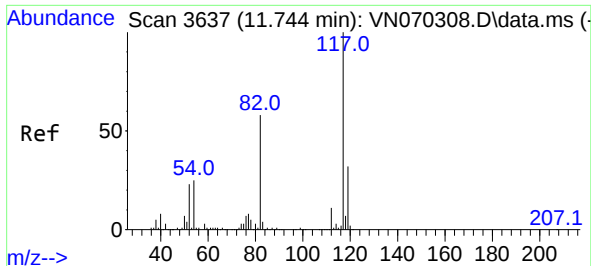
Tgt Ion: 43 Resp: 5325
Ion Ratio Lower Upper
43 100
58 32.6 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 48.858 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 95 Resp: 659596
Ion Ratio Lower Upper
95 100
174 77.5 0.0 187.2
176 74.7 0.0 181.4

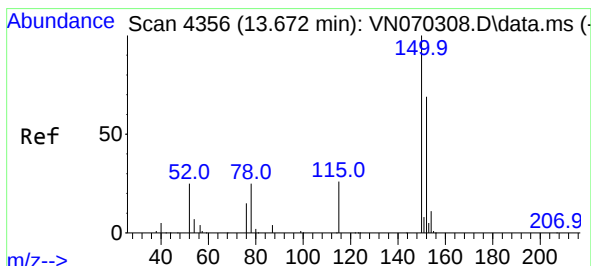
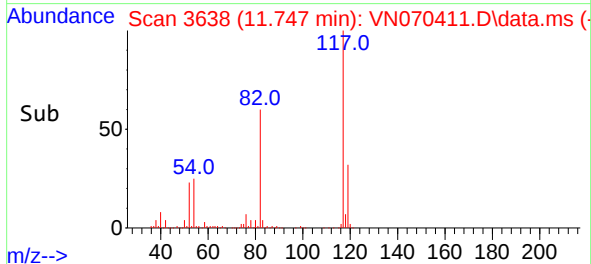
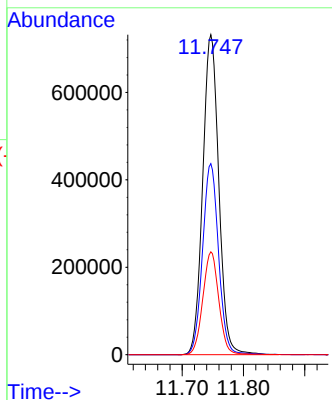
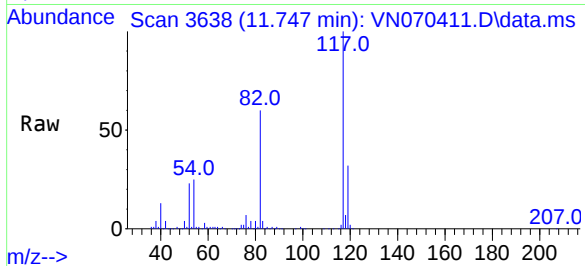




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

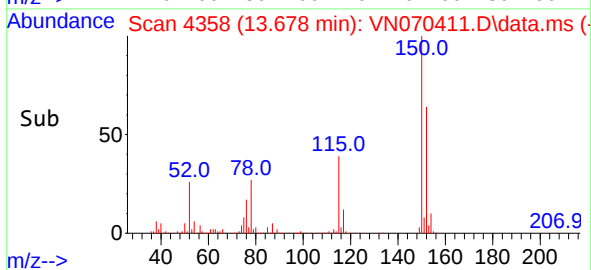
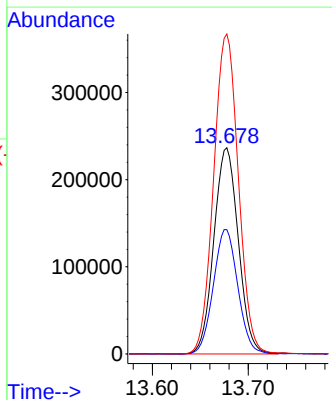
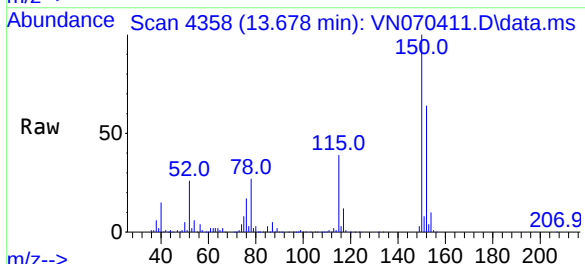
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

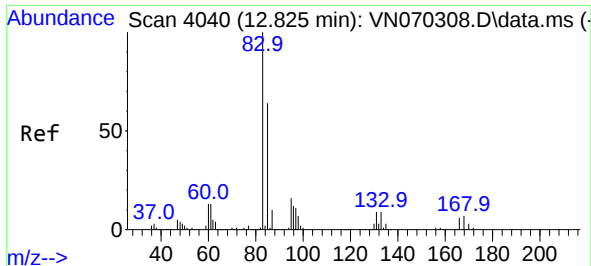
Tgt Ion:117 Resp: 1336480
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.006 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion:152 Resp: 419629
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 156.9 0.0 344.4

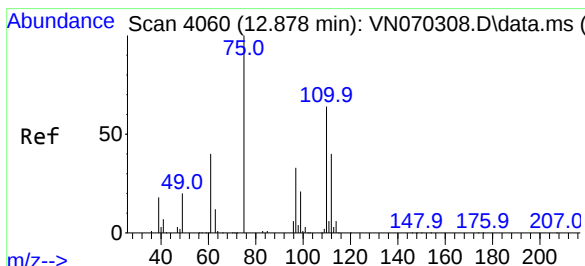
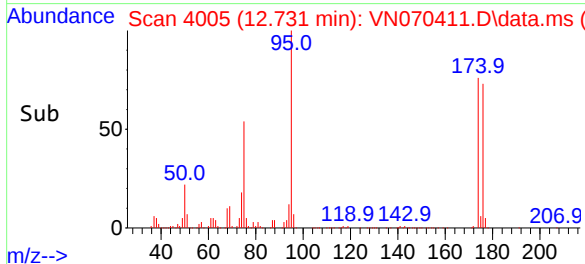
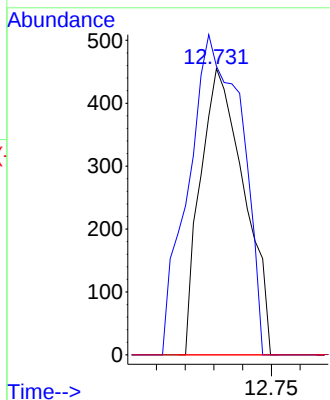
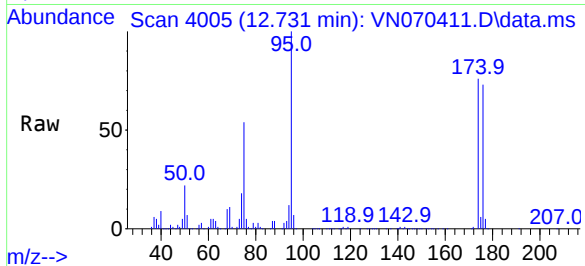




#75
1,1,2,2-Tetrachloroethane
Concen: 0.481 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.094 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

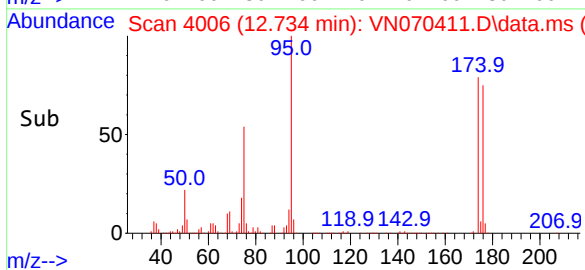
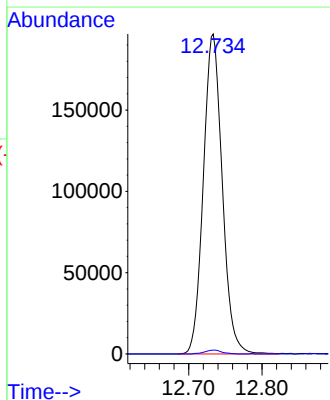
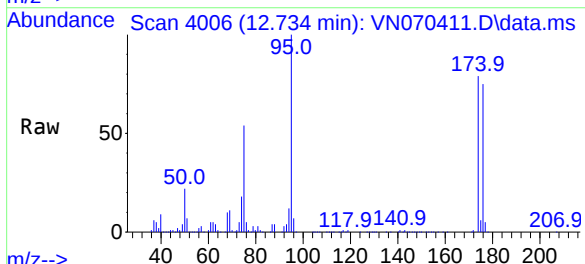
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

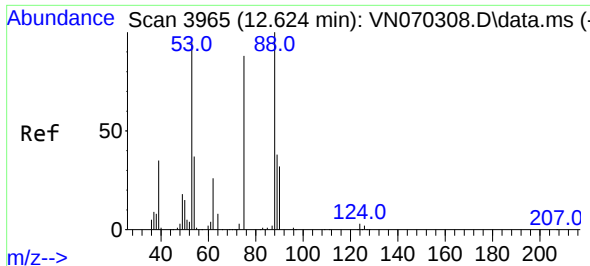
Tgt Ion: 83 Resp: 480
Ion Ratio Lower Upper
83 100
131 136.7 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 29.535 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.144 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

Tgt Ion: 75 Resp: 352205
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

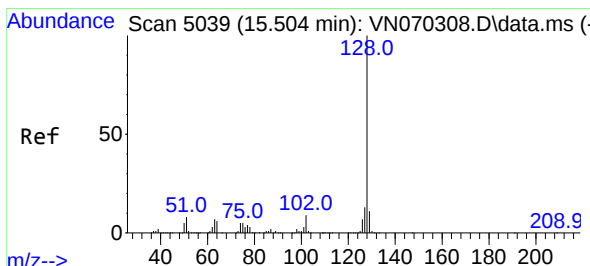
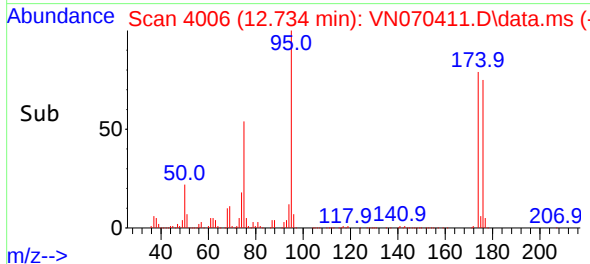
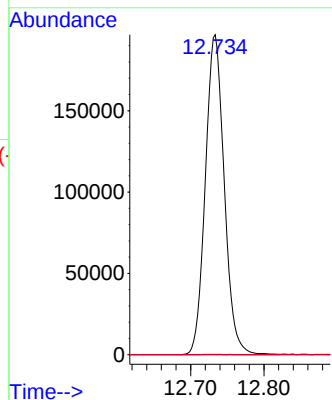
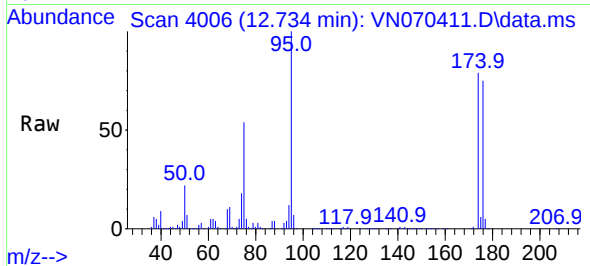




#81
trans-1,4-Dichloro-2-butene
Concen: 102.546 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

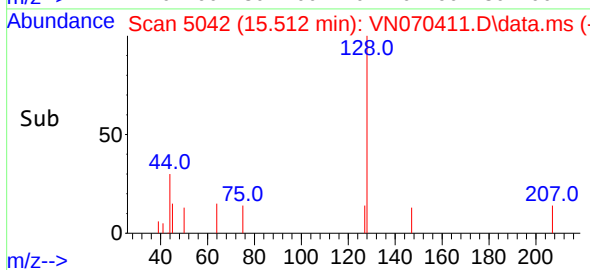
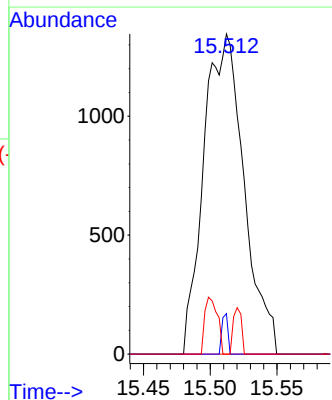
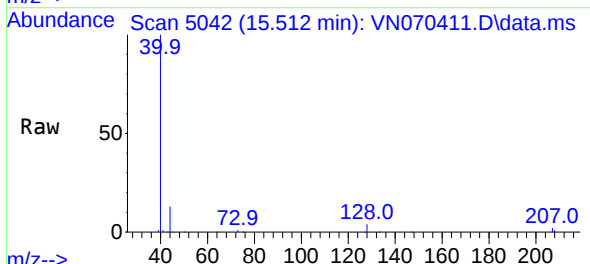
Instrument :
MSVOA_N
ClientSampleId :
TB-12-23-21

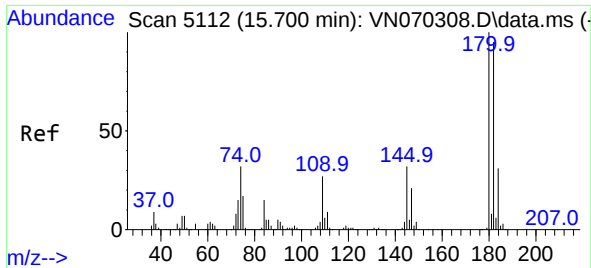
Tgt Ion: 75 Resp: 352205
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.939 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.008 min
Lab File: VN070411.D
Acq: 30 Dec 2021 20:14

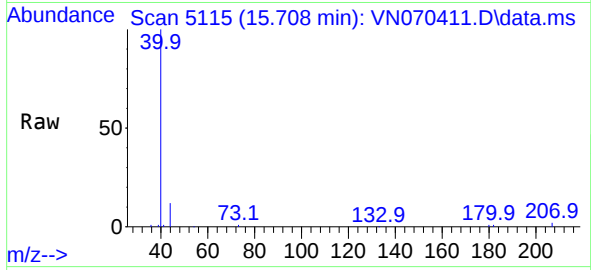
Tgt Ion: 128 Resp: 2815
Ion Ratio Lower Upper
128 100
127 1.8 10.5 15.7#
129 3.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.885 ug/l
 RT: 15.708 min Scan# 5112
 Delta R.T. 0.008 min
 Lab File: VN070411.D
 Acq: 30 Dec 2021 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-12-23-21



Tgt Ion:	180	Resp:	396
Ion	Ratio	Lower	Upper
180	100		
182	56.1	47.4	142.2
145	0.0	15.0	45.1#

