

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070409.D
 Acq On : 30 Dec 2021 19:23
 Operator : JC/MD
 Sample : M5212-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-62

Quant Time: Dec 31 05:22:58 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)

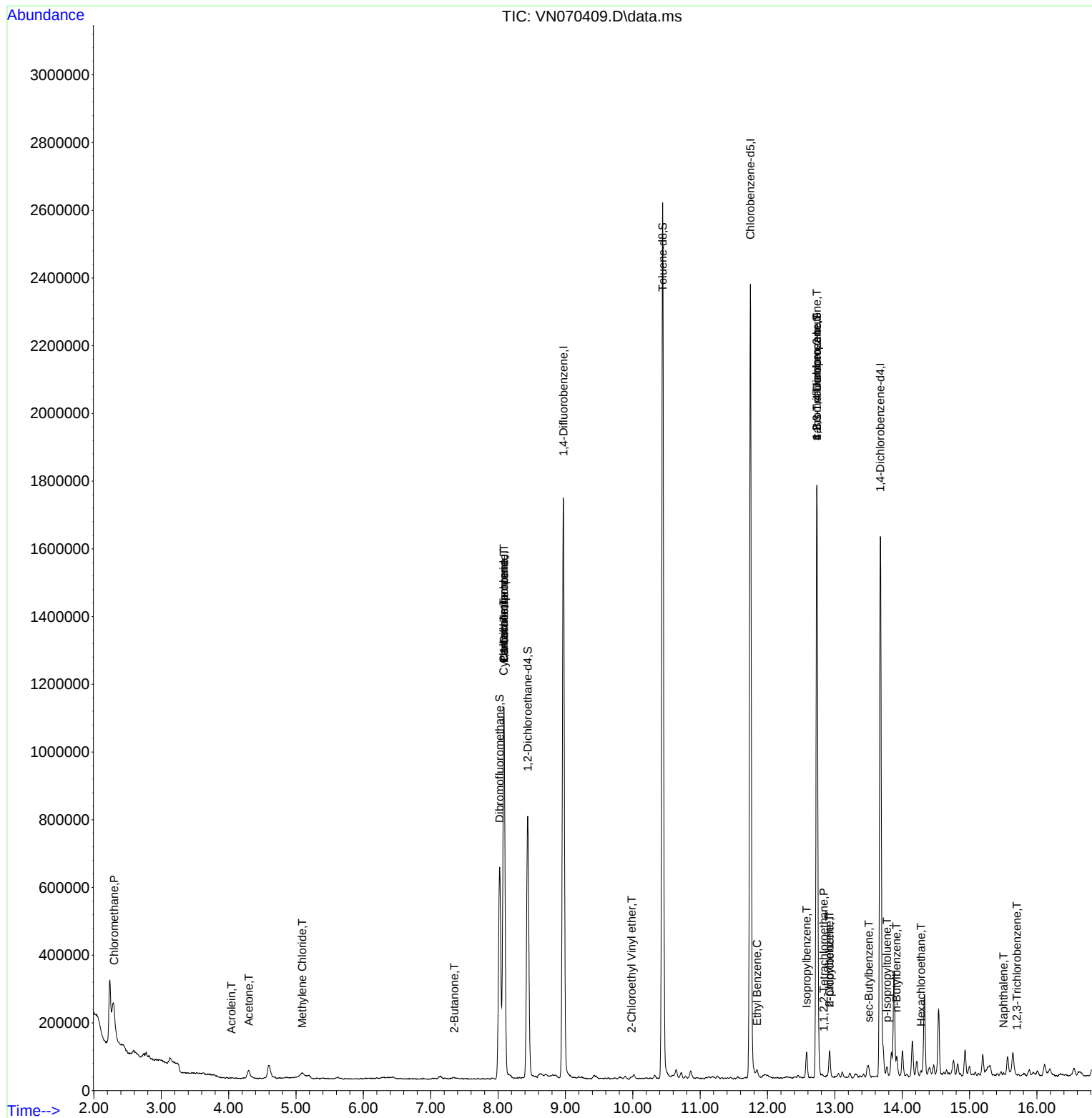
Internal Standards						
1) Pentafluorobenzene	8.088	168	834906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1457098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1309547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	447459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	654852	54.551	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.100%
35) Dibromofluoromethane	8.024	113	465840	52.839	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.680%
50) Toluene-d8	10.443	98	1754676	48.721	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.734	95	626408	48.156	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	7745	0.601	ug/l #	78
13) Acrolein	4.041	56	833	0.514	ug/l	83
16) Acetone	4.299	43	36507	4.685	ug/l	97
20) Methylene Chloride	5.093	84	5683	0.527	ug/l #	89
25) 2-Butanone	7.351	43	5407	0.551	ug/l	90
31) Cyclohexane	8.083	56	21958	1.159	ug/l #	16
36) 1,1-Dichloropropene	8.088	75	68101	4.669	ug/l #	43
38) Carbon Tetrachloride	8.086	117	81872	5.879	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.985	63	24	18.518	ug/l #	45
67) Ethyl Benzene	11.846	91	11238	0.221	ug/l #	88
73) Isopropylbenzene	12.581	105	50029	1.204	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.836	83	243	0.463	ug/l #	25
76) 1,2,3-Trichloropropane	12.734	75	334288	26.589	ug/l #	1
78) n-propylbenzene	12.921	91	58986	1.281	ug/l	96
79) 2-Chlorotoluene	12.921	91	58986	1.997	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.734	75	334288	91.276	ug/l #	5
85) sec-Butylbenzene	13.503	105	18049	0.453	ug/l #	68
86) p-Isopropyltoluene	13.772	119	13675	0.437	ug/l	94
89) n-Butylbenzene	13.916	91	8363	0.321	ug/l #	1
90) Hexachloroethane	14.278	117	5727	1.054	ug/l #	6
95) Naphthalene	15.504	128	6101	2.085	ug/l	97
96) 1,2,3-Trichlorobenzene	15.703	180	748	0.930	ug/l #	61

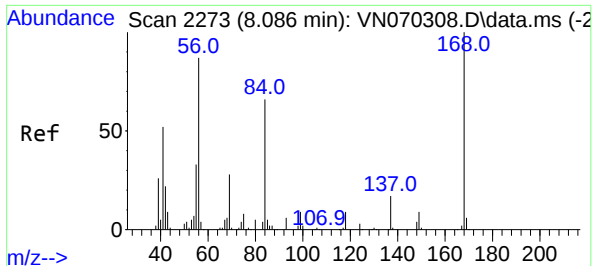
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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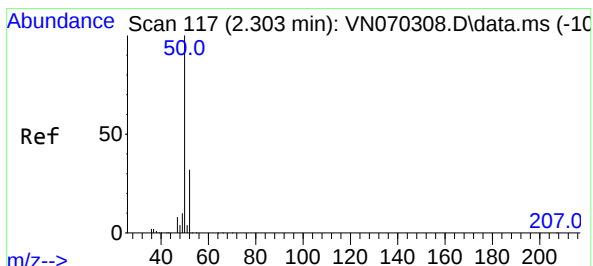
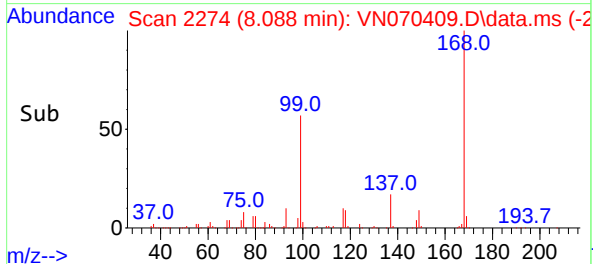
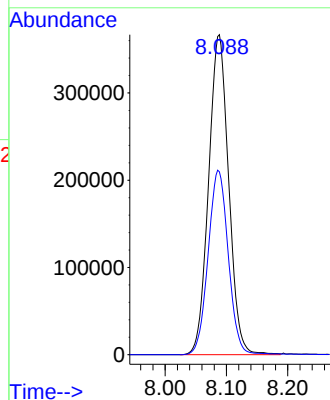
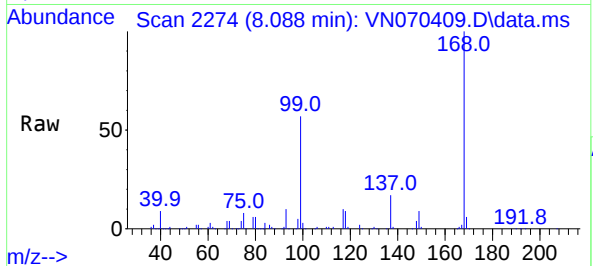




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

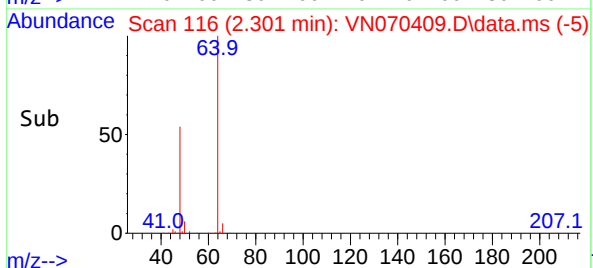
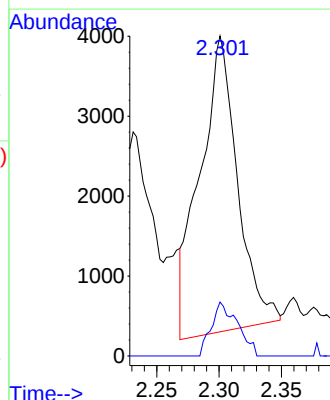
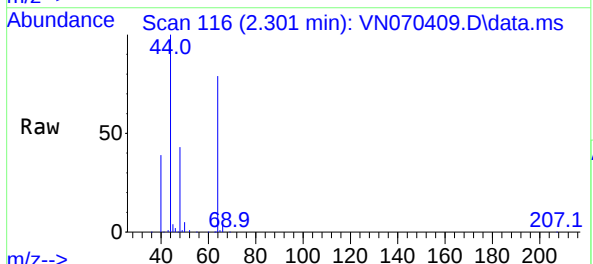
Instrument :
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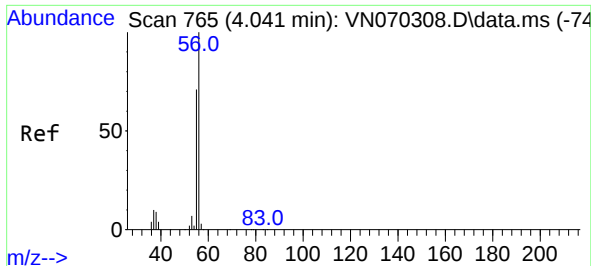
Tgt Ion:168 Resp: 834906
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#3
Chloromethane
Concen: 0.601 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 50 Resp: 7745
Ion Ratio Lower Upper
50 100
52 19.3 25.4 38.0#

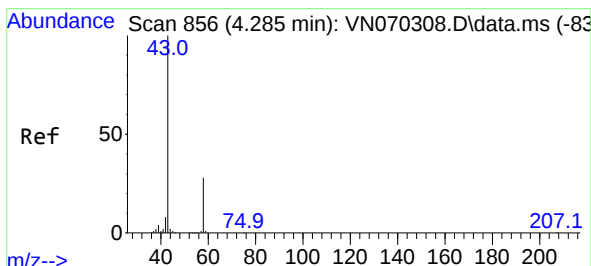
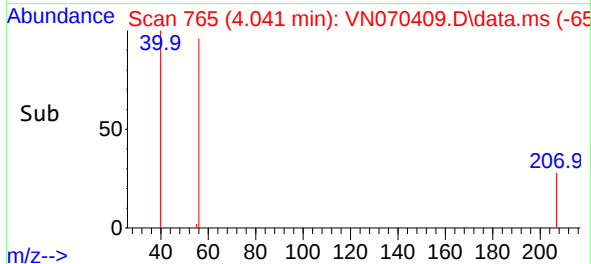
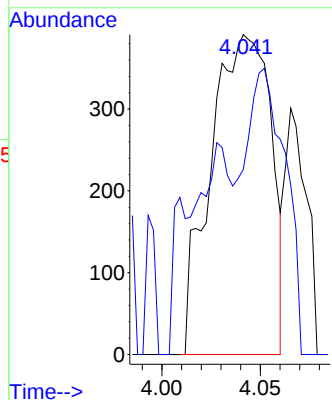
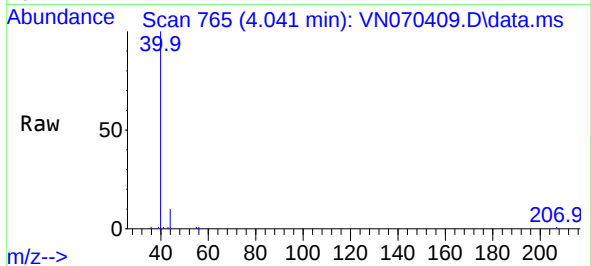




#13
Acrolein
Concen: 0.514 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

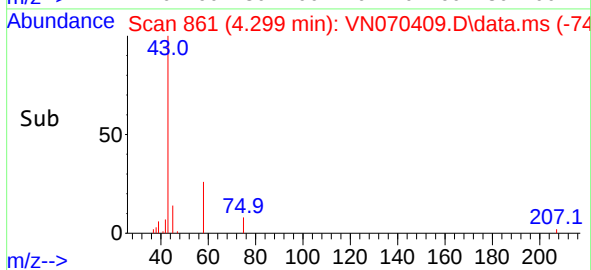
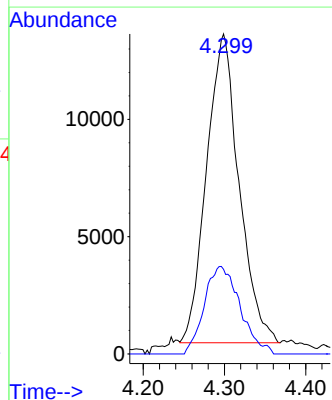
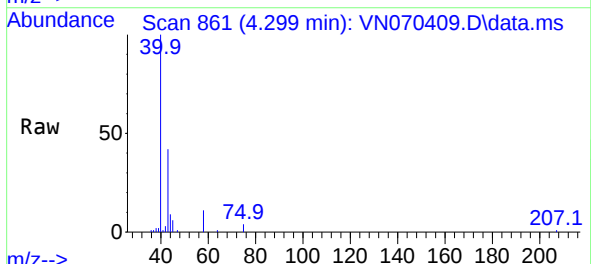
Instrument :
MSVOA_N
ClientSampleId :
MW-62

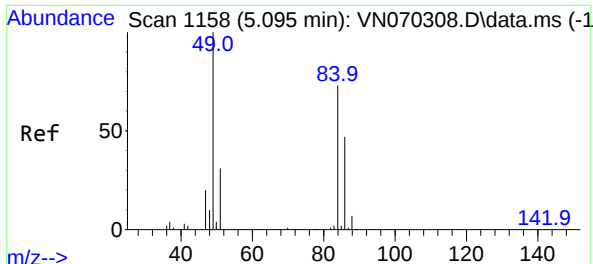
Tgt Ion: 56 Resp: 833
Ion Ratio Lower Upper
56 100
55 57.1 56.6 85.0



#16
Acetone
Concen: 4.685 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 43 Resp: 36507
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7

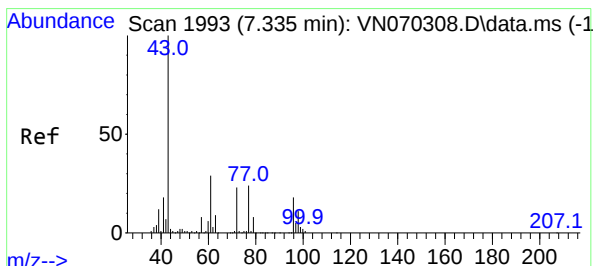
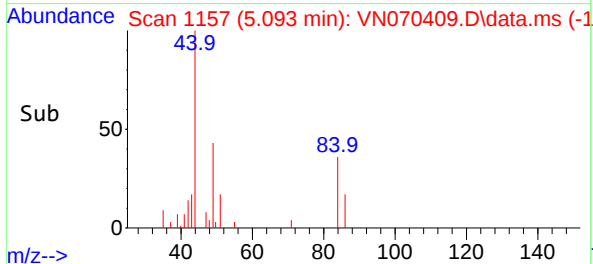
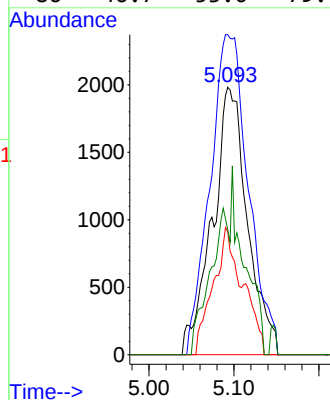
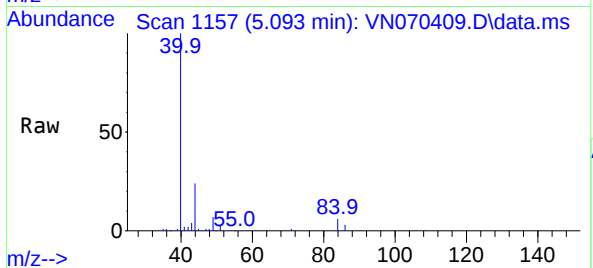




#20
Methylene Chloride
Concen: 0.527 ug/l
RT: 5.093 min Scan# 1158
Delta R.T. -0.002 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

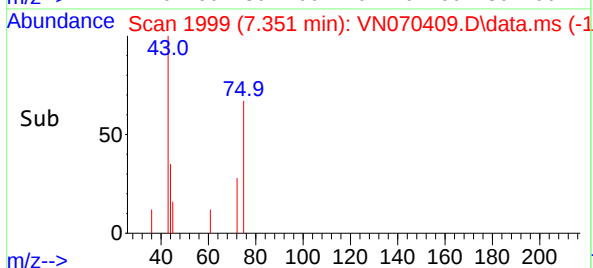
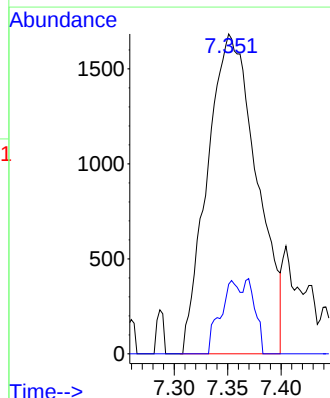
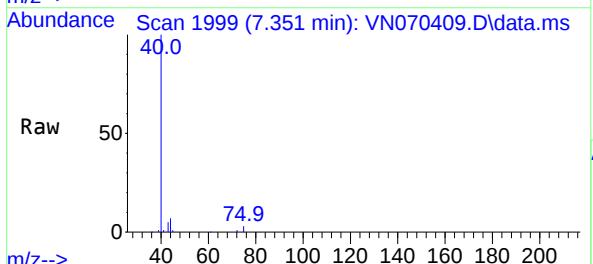
Instrument :
MSVOA_N
ClientSampleId :
MW-62

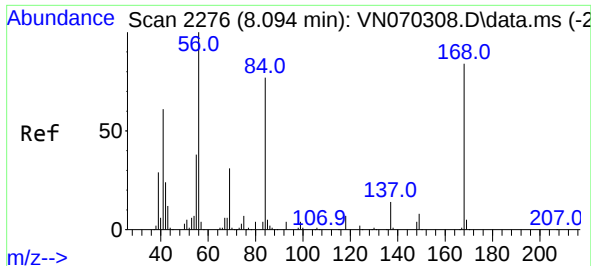
Tgt Ion:	84	Resp:	5683
Ion	Ratio	Lower	Upper
84	100		
49	119.7	93.5	140.3
51	45.9	29.4	44.2#
86	46.7	53.0	79.4#



#25
2-Butanone
Concen: 0.551 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.016 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion:	43	Resp:	5407
Ion	Ratio	Lower	Upper
43	100		
72	21.8	21.7	32.5

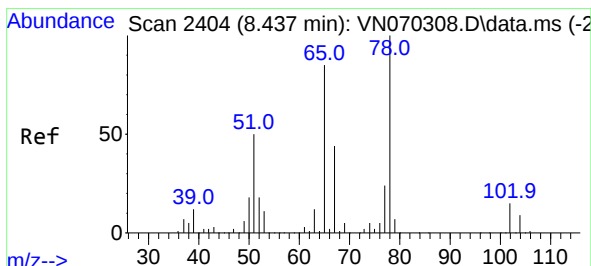
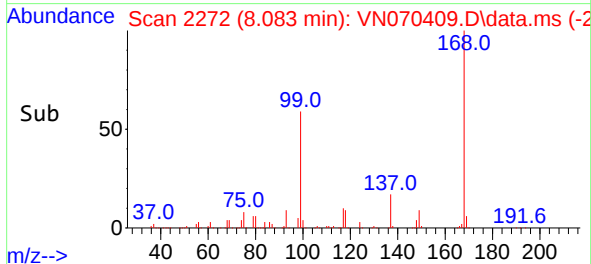
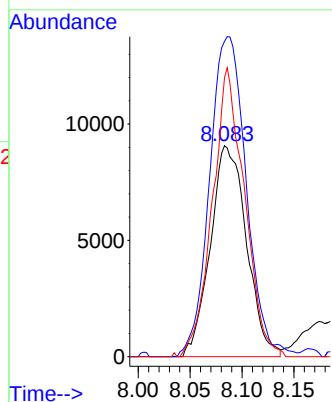
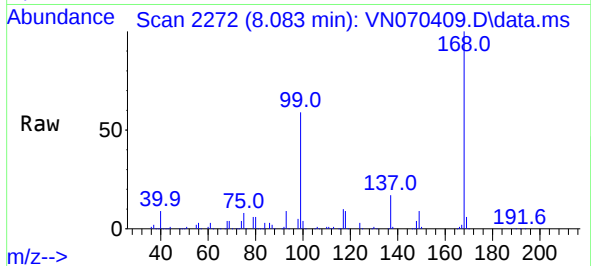




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.083 min Scan# 21958
Delta R.T. -0.011 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

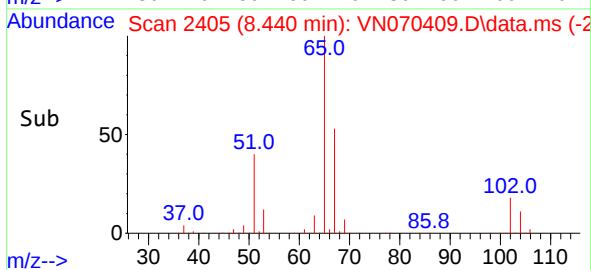
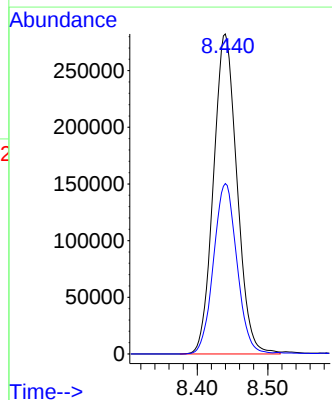
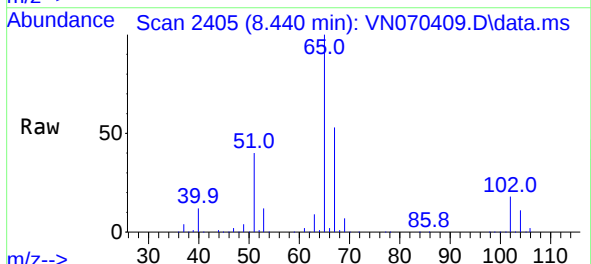
Instrument :
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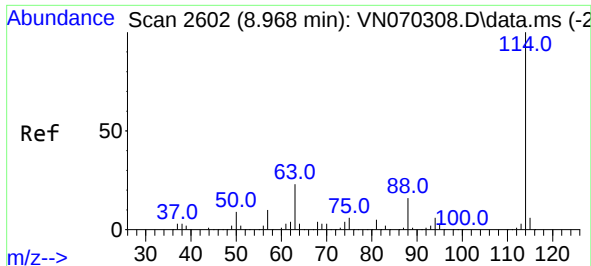
Tgt Ion: 56 Resp: 21958
Ion Ratio Lower Upper
56 100
69 147.1 27.1 40.7#
84 132.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.551 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 65 Resp: 654852
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070409.D

Acq: 30 Dec 2021 19:23

Instrument :

MSVOA_N

ClientSampleId :

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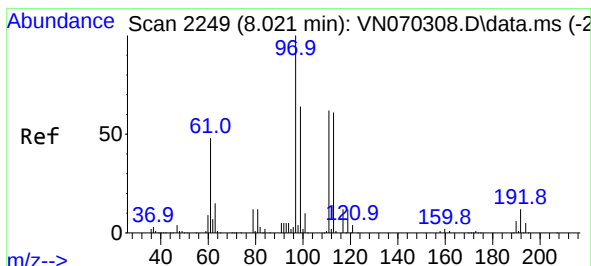
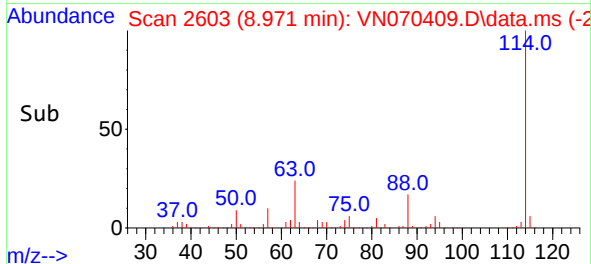
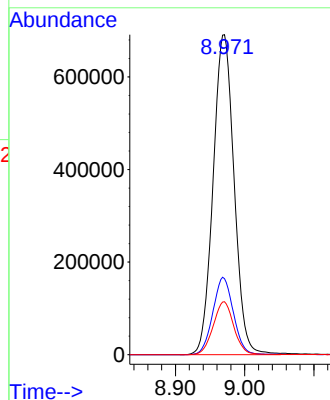
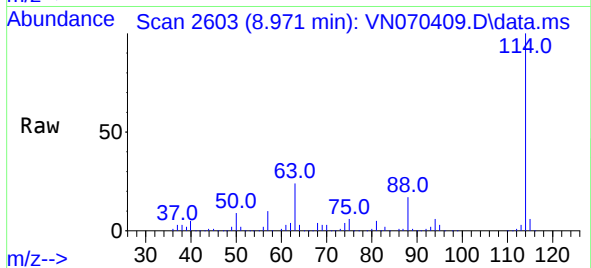
Tgt Ion:114 Resp: 1457098

Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 52.839 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN070409.D

Acq: 30 Dec 2021 19:23

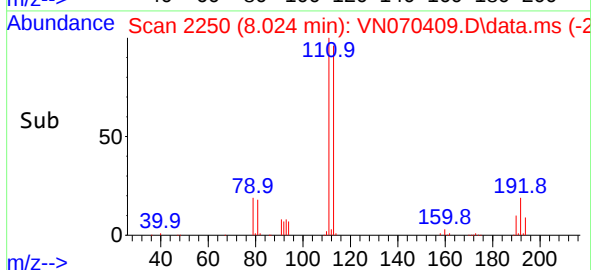
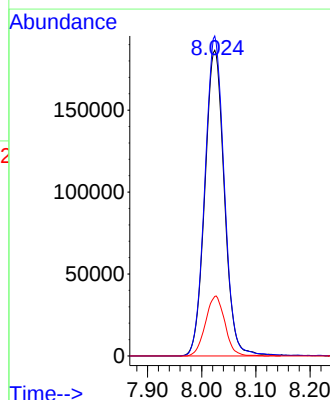
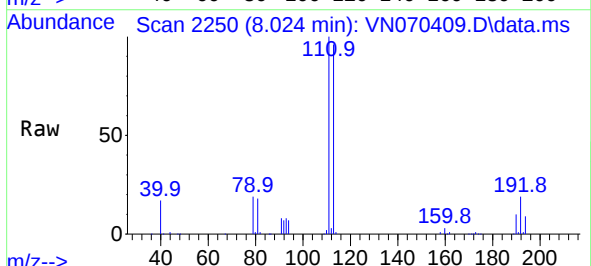
Tgt Ion:113 Resp: 465840

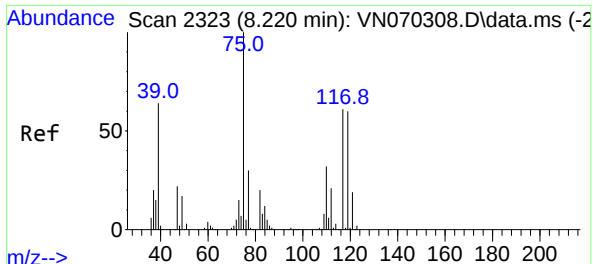
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 19.5 16.9 25.3

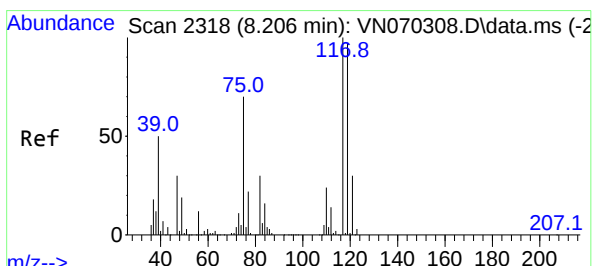
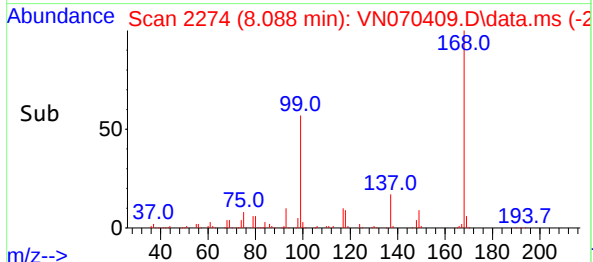
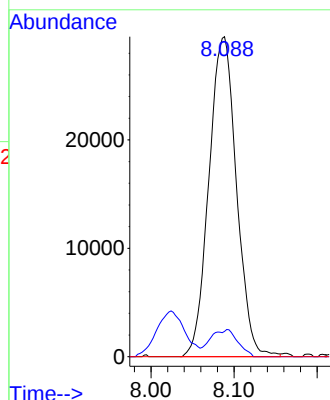
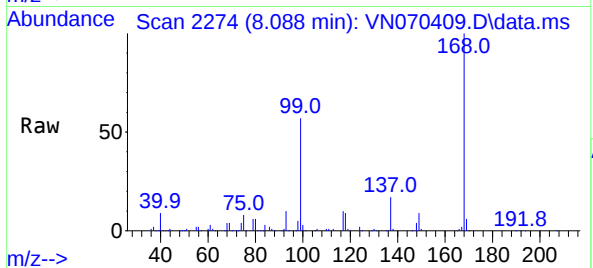




#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.132 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

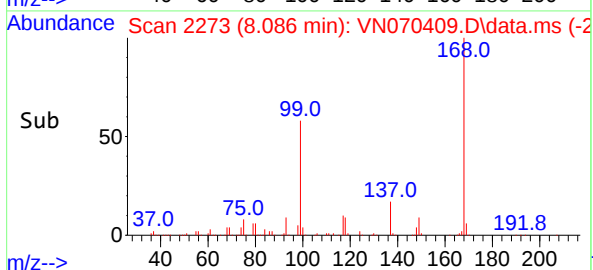
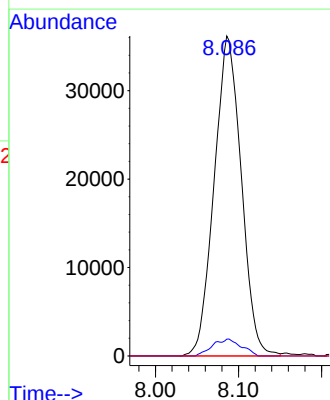
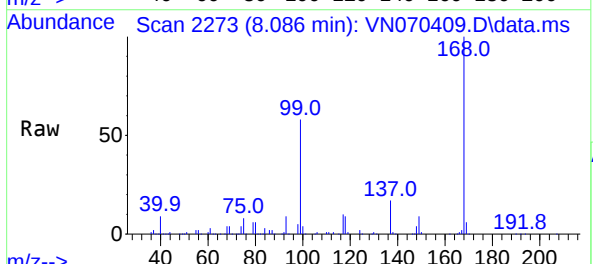
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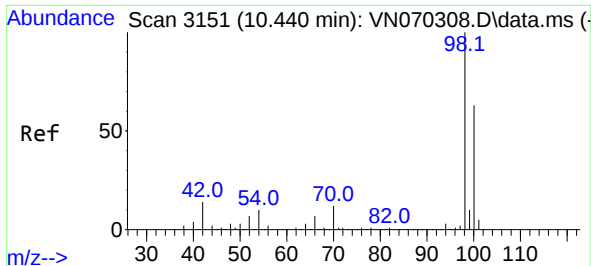
Tgt Ion: 75 Resp: 68101
Ion Ratio Lower Upper
75 100
110 2.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.879 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 117 Resp: 81872
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

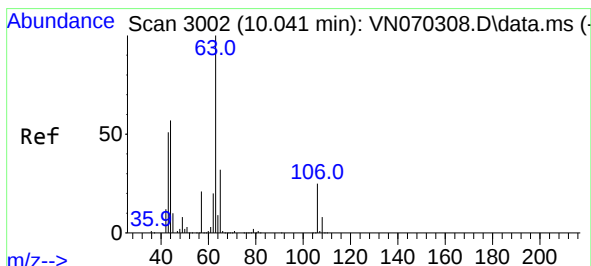
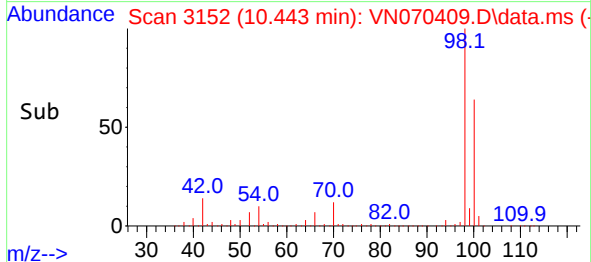
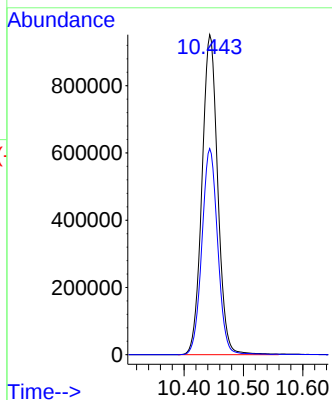
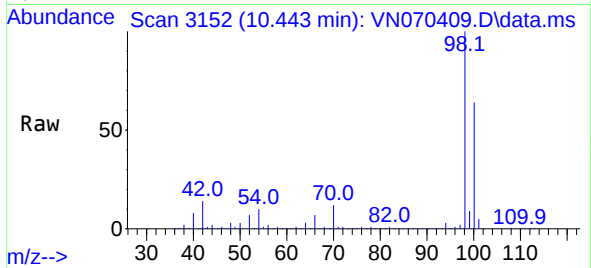




#50
Toluene-d8
Concen: 48.721 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

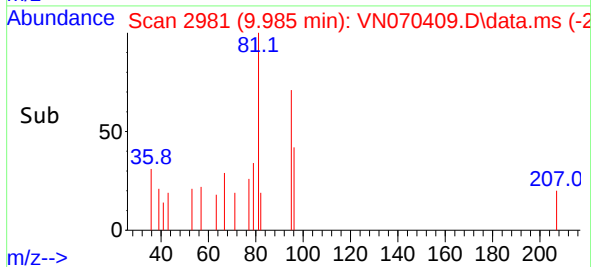
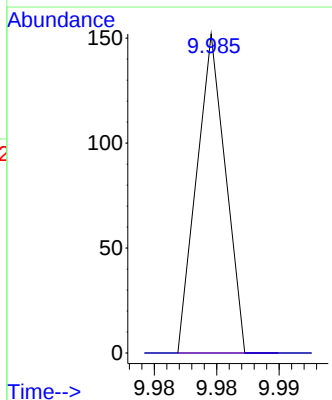
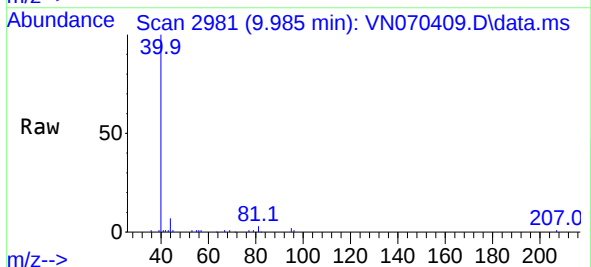
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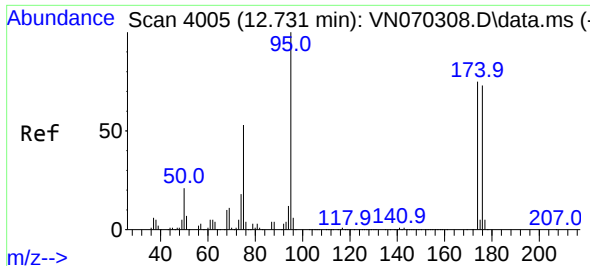
Tgt Ion: 98 Resp: 1754676
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.518 ug/l
RT: 9.985 min Scan# 2981
Delta R.T. -0.056 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

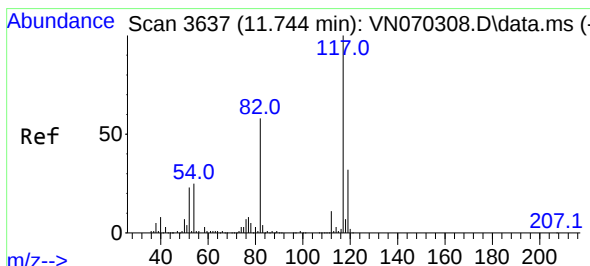
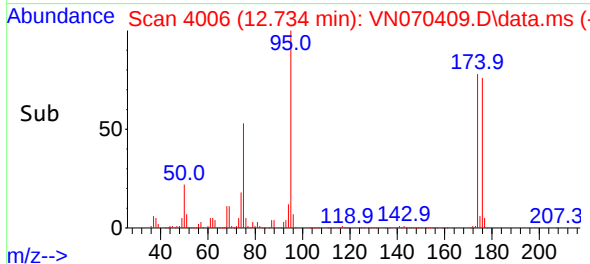
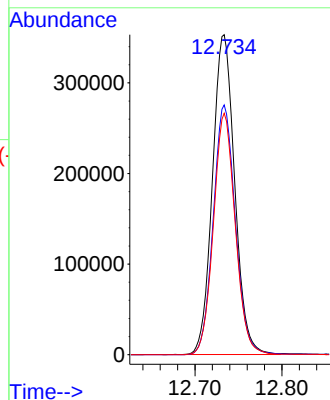
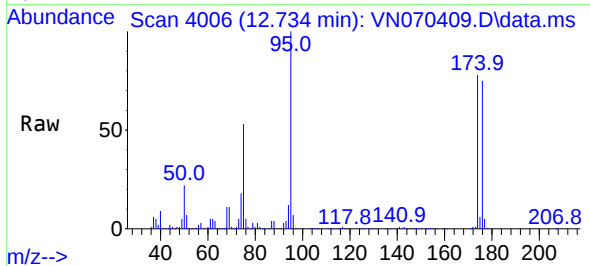




#62
4-Bromofluorobenzene
Concen: 48.156 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

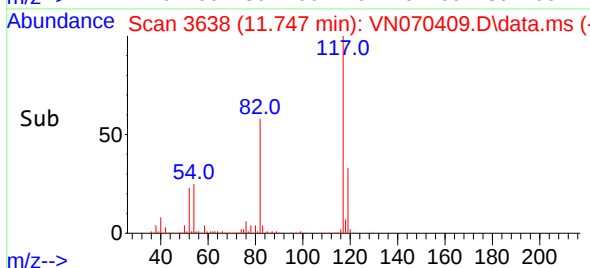
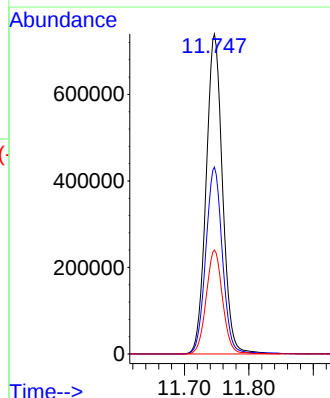
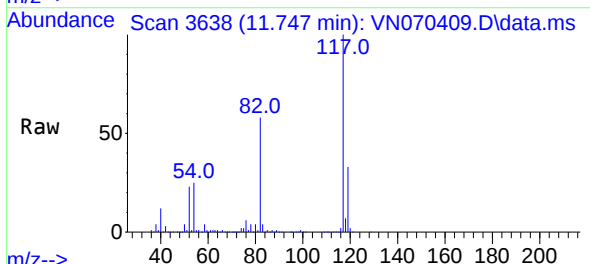
Instrument :
MSVOA_N
ClientSampleId :
MW-62

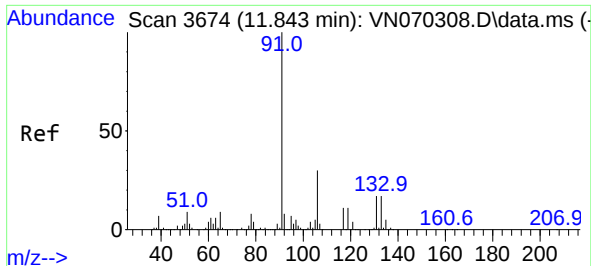
Tgt Ion: 95 Resp: 626408
Ion Ratio Lower Upper
95 100
174 77.8 0.0 187.2
176 74.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 117 Resp: 1309547
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.5 25.4 38.2

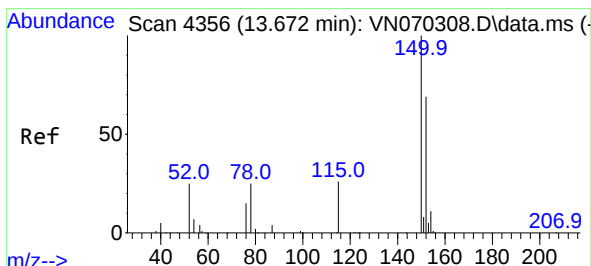
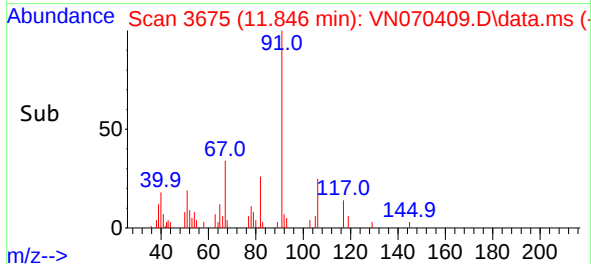
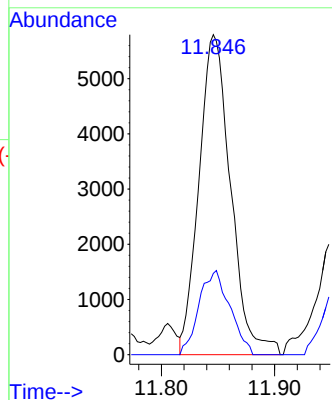
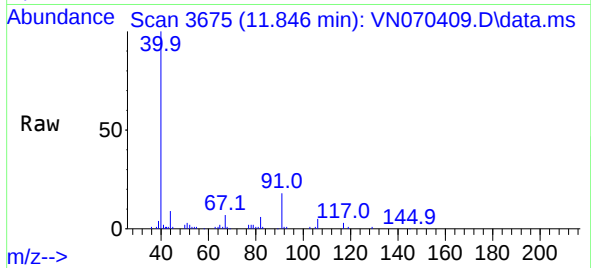




#67
Ethyl Benzene
Concen: 0.221 ug/l
RT: 11.846 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

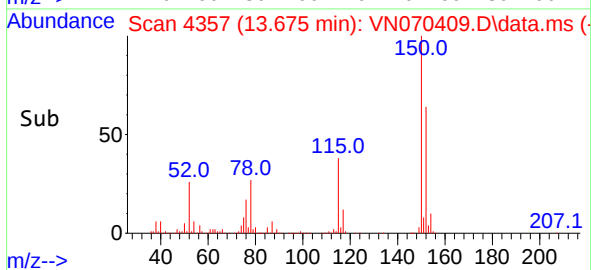
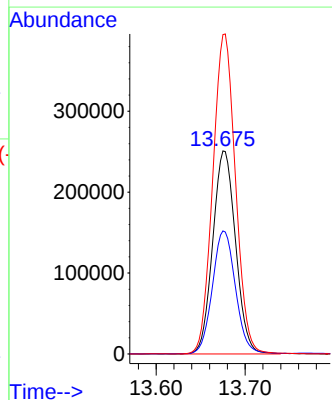
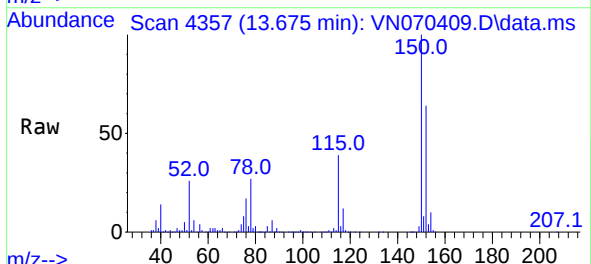
Instrument :
MSVOA_N
ClientSampleId :
MW-62

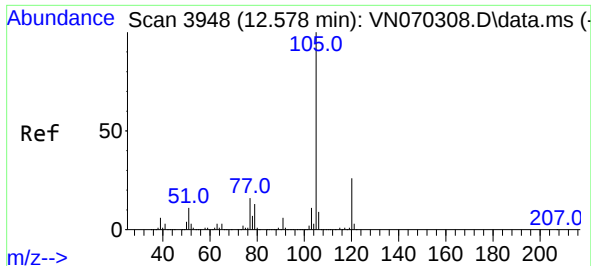
Tgt Ion: 91 Resp: 11238
Ion Ratio Lower Upper
91 100
106 25.4 25.7 38.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion:152 Resp: 447459
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 156.9 0.0 344.4

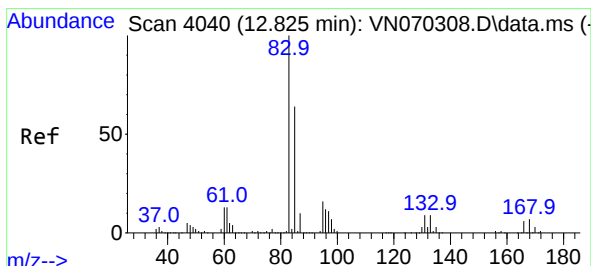
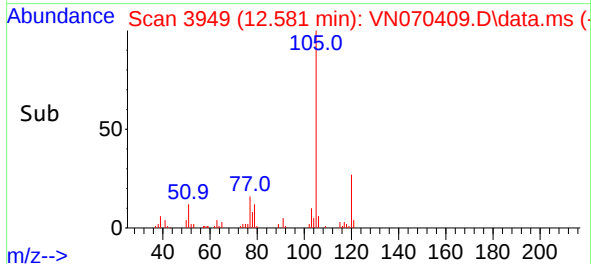
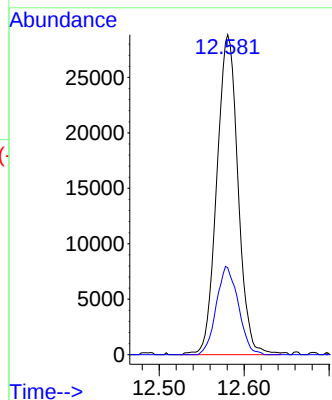
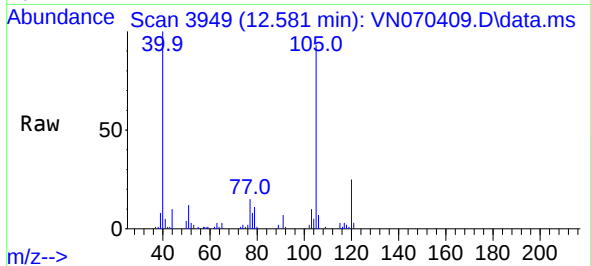




#73
Isopropylbenzene
Concen: 1.204 ug/l
RT: 12.581 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

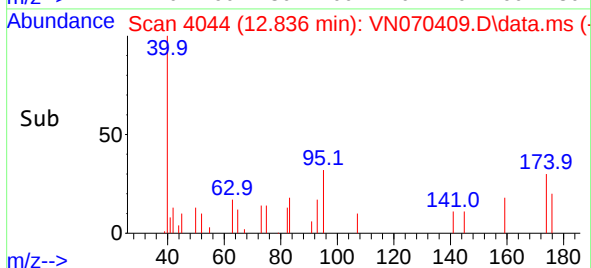
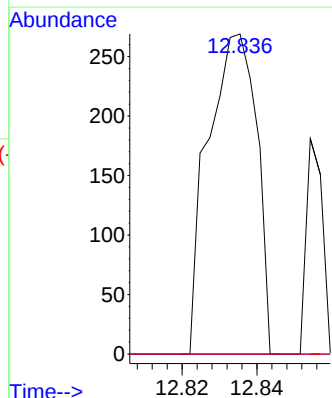
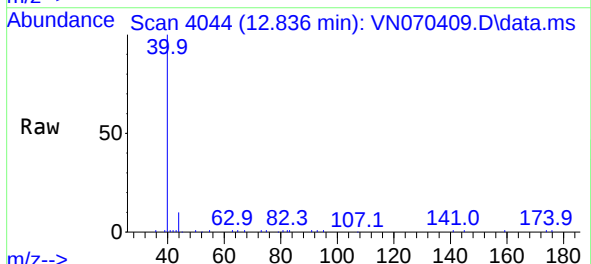
Instrument :
MSVOA_N
ClientSampleId :
MW-62

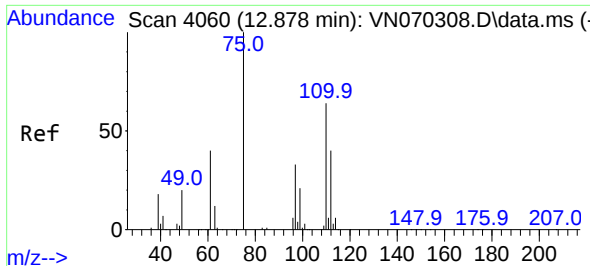
Tgt Ion:105 Resp: 50029
Ion Ratio Lower Upper
105 100
120 28.5 13.4 40.1



#75
1,1,2,2-Tetrachloroethane
Concen: 0.463 ug/l
RT: 12.836 min Scan# 4044
Delta R.T. 0.011 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 83 Resp: 243
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#

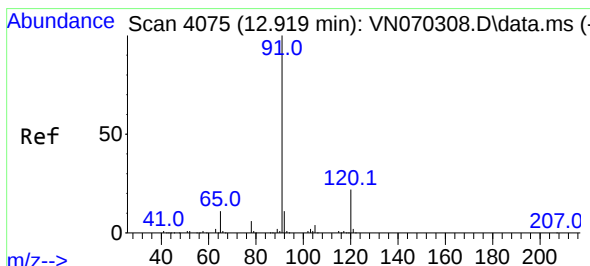
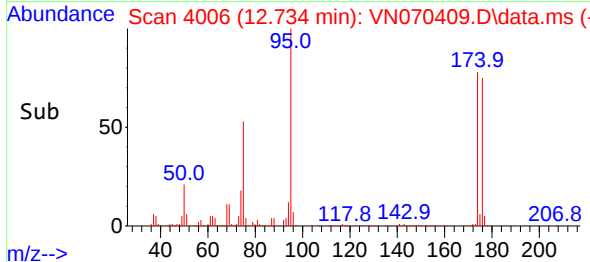
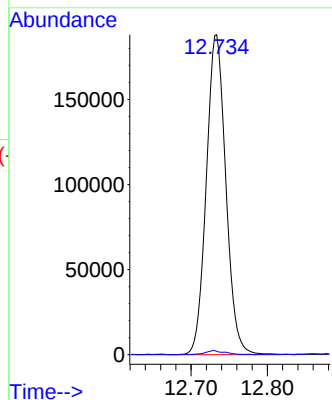
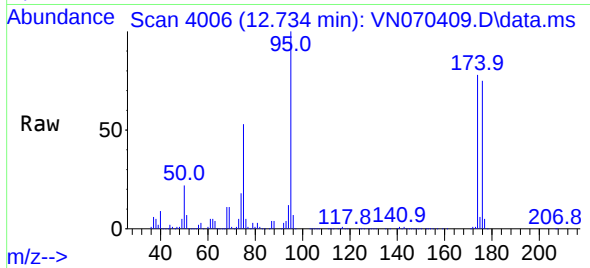




#76
1,2,3-Trichloropropane
Concen: 26.589 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.144 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

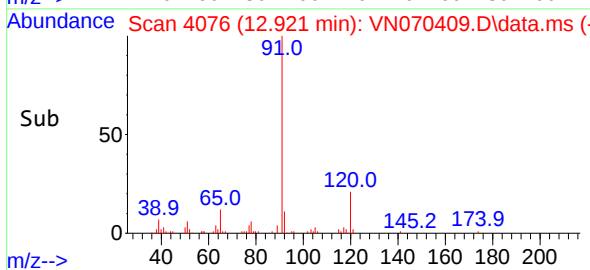
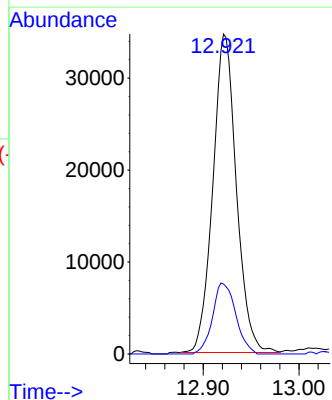
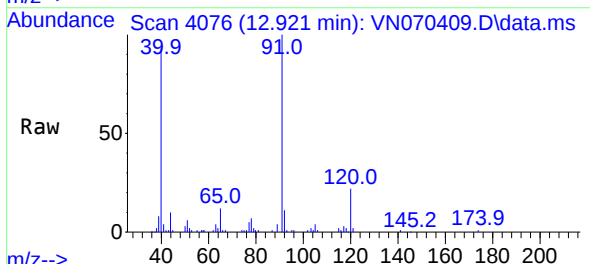
Instrument :
MSVOA_N
ClientSampleId :
MW-62

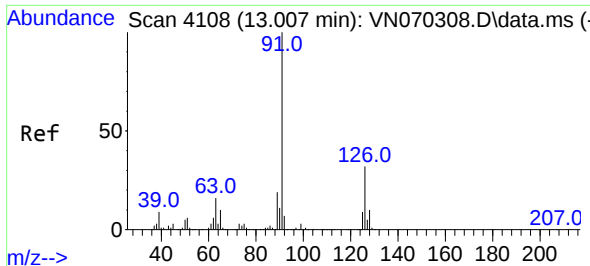
Tgt Ion: 75 Resp: 334288
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#78
n-propylbenzene
Concen: 1.281 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 91 Resp: 58986
Ion Ratio Lower Upper
91 100
120 22.0 11.9 35.9

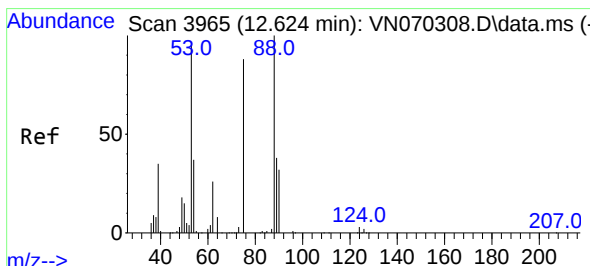
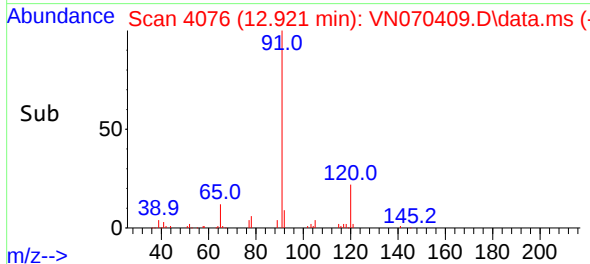
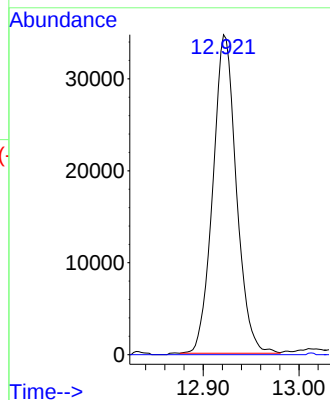
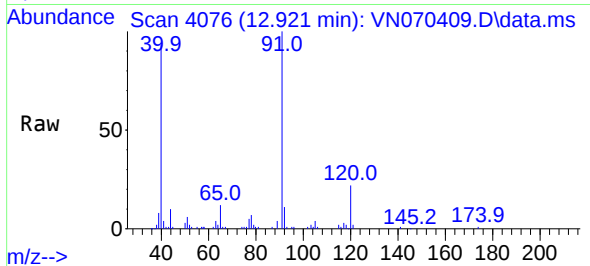




#79
2-Chlorotoluene
Concen: 1.997 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. -0.086 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

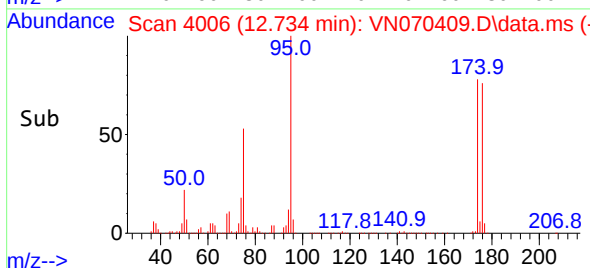
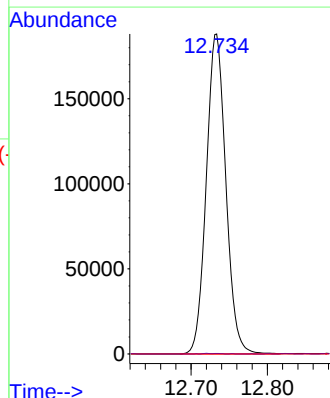
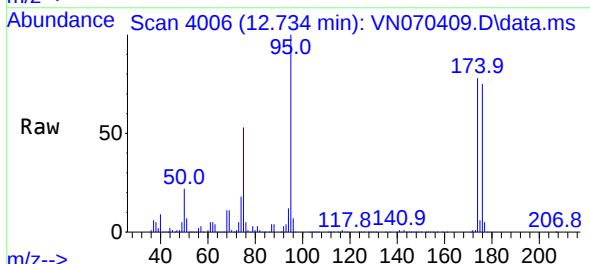
Instrument :
MSVOA_N
ClientSampleId :
MW-62

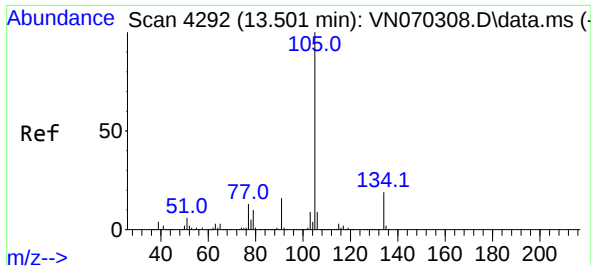
Tgt Ion: 91 Resp: 58986
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.276 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 75 Resp: 334288
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

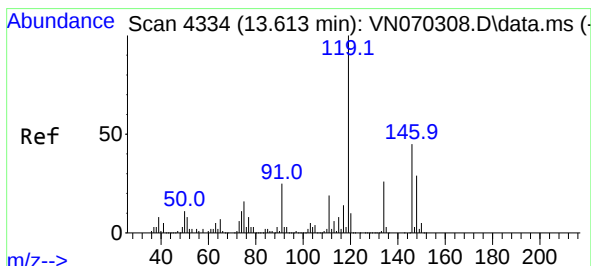
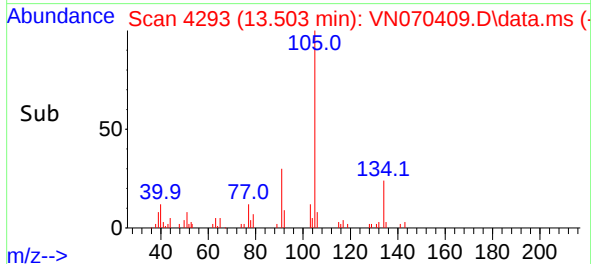
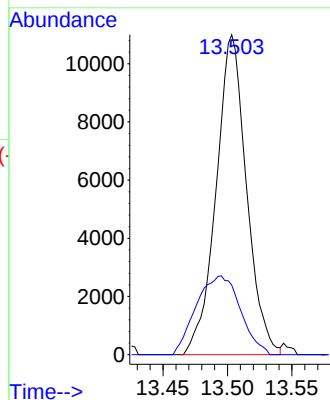
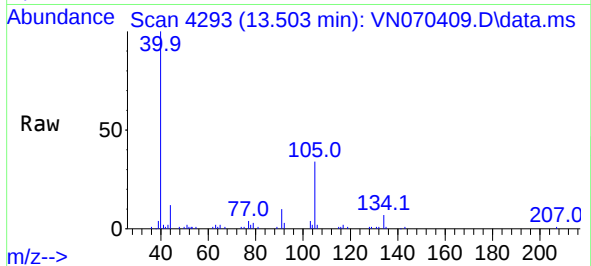




#85
 sec-Butylbenzene
 Concen: 0.453 ug/l
 RT: 13.503 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN070409.D
 Acq: 30 Dec 2021 19:23

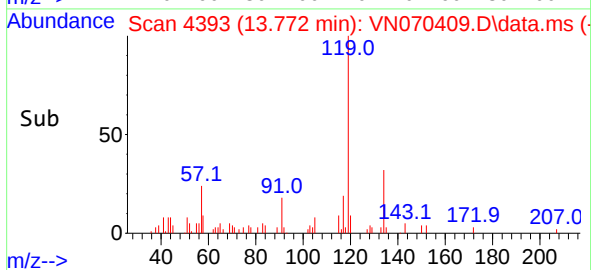
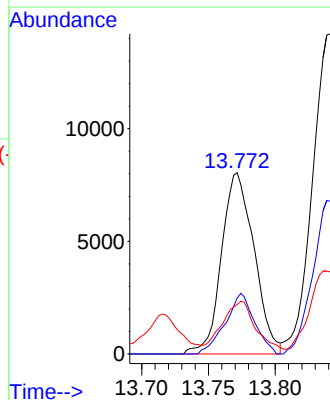
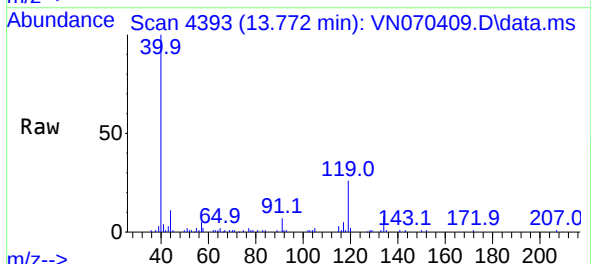
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-62

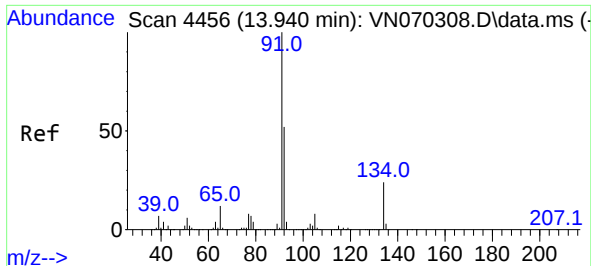
Tgt Ion:105 Resp: 18049
 Ion Ratio Lower Upper
 105 100
 134 35.7 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 0.437 ug/l
 RT: 13.772 min Scan# 4393
 Delta R.T. 0.159 min
 Lab File: VN070409.D
 Acq: 30 Dec 2021 19:23

Tgt Ion:119 Resp: 13675
 Ion Ratio Lower Upper
 119 100
 134 29.9 13.6 40.7
 91 25.4 11.4 34.1

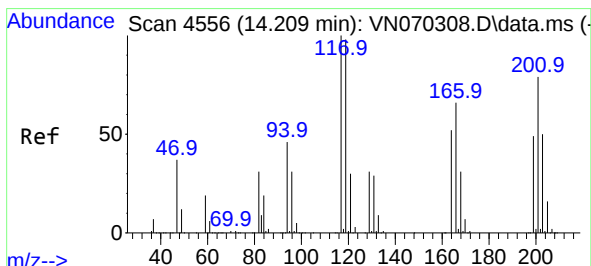
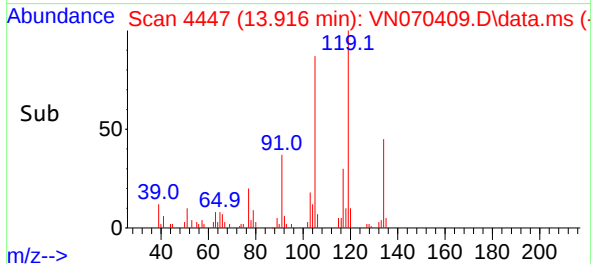
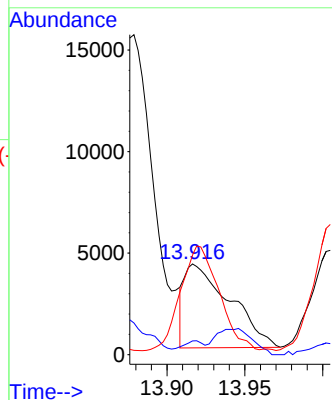
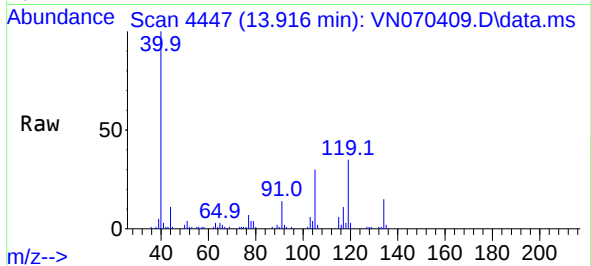




#89
n-Butylbenzene
Concen: 0.321 ug/l
RT: 13.916 min Scan# 4456
Delta R.T. -0.024 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

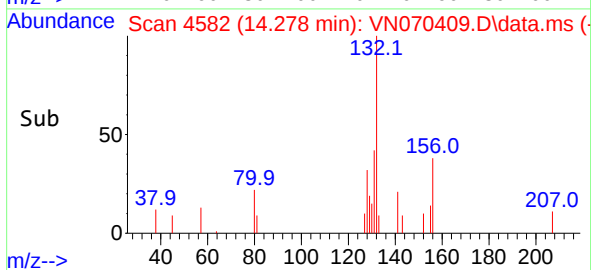
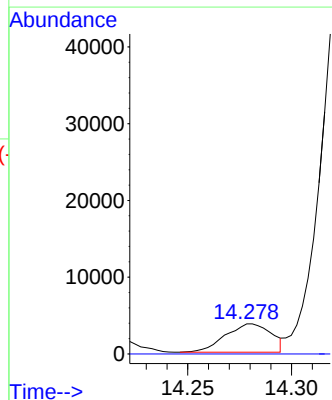
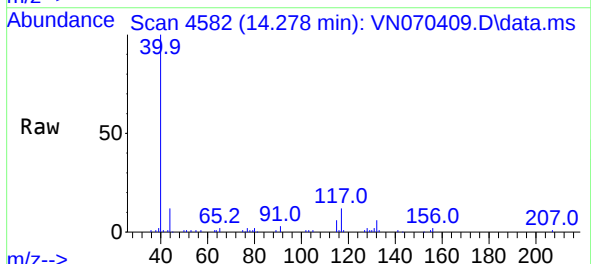
Instrument :
MSVOA_N
ClientSampleId :
MW-62

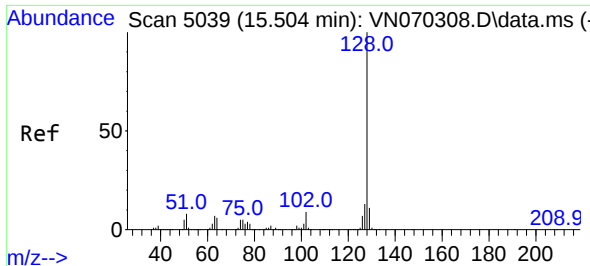
Tgt Ion: 91 Resp: 8363
Ion Ratio Lower Upper
91 100
92 6.9 25.4 76.0#
134 117.0 13.6 40.8#



#90
Hexachloroethane
Concen: 1.054 ug/l
RT: 14.278 min Scan# 4582
Delta R.T. 0.069 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion: 117 Resp: 5727
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#



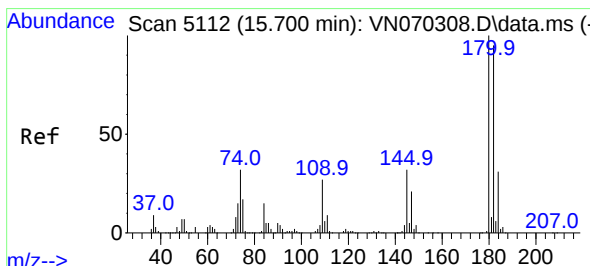
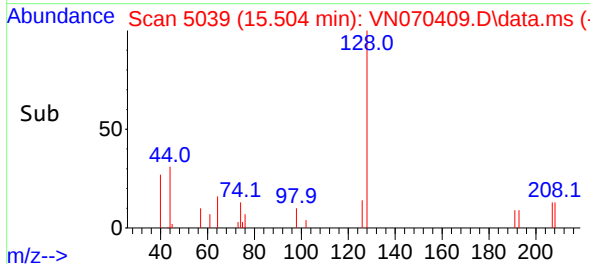
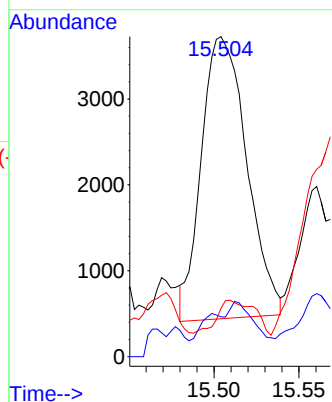
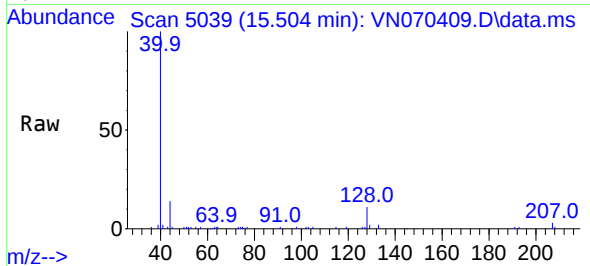


#95
Naphthalene
Concen: 2.085 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Instrument :
MSVOA_N
ClientSampleId :
MW-62

Tgt Ion:128 Resp: 6101

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.5	15.7
129	9.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.930 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.003 min
Lab File: VN070409.D
Acq: 30 Dec 2021 19:23

Tgt Ion:180 Resp: 748

Ion	Ratio	Lower	Upper
180	100		
182	127.4	47.4	142.2
145	0.0	15.0	45.1#

