

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011122\
 Data File : VN070574.D
 Acq On : 11 Jan 2022 17:51
 Operator : JC/MD
 Sample : N1102-02 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 06:02:53 2022
 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)

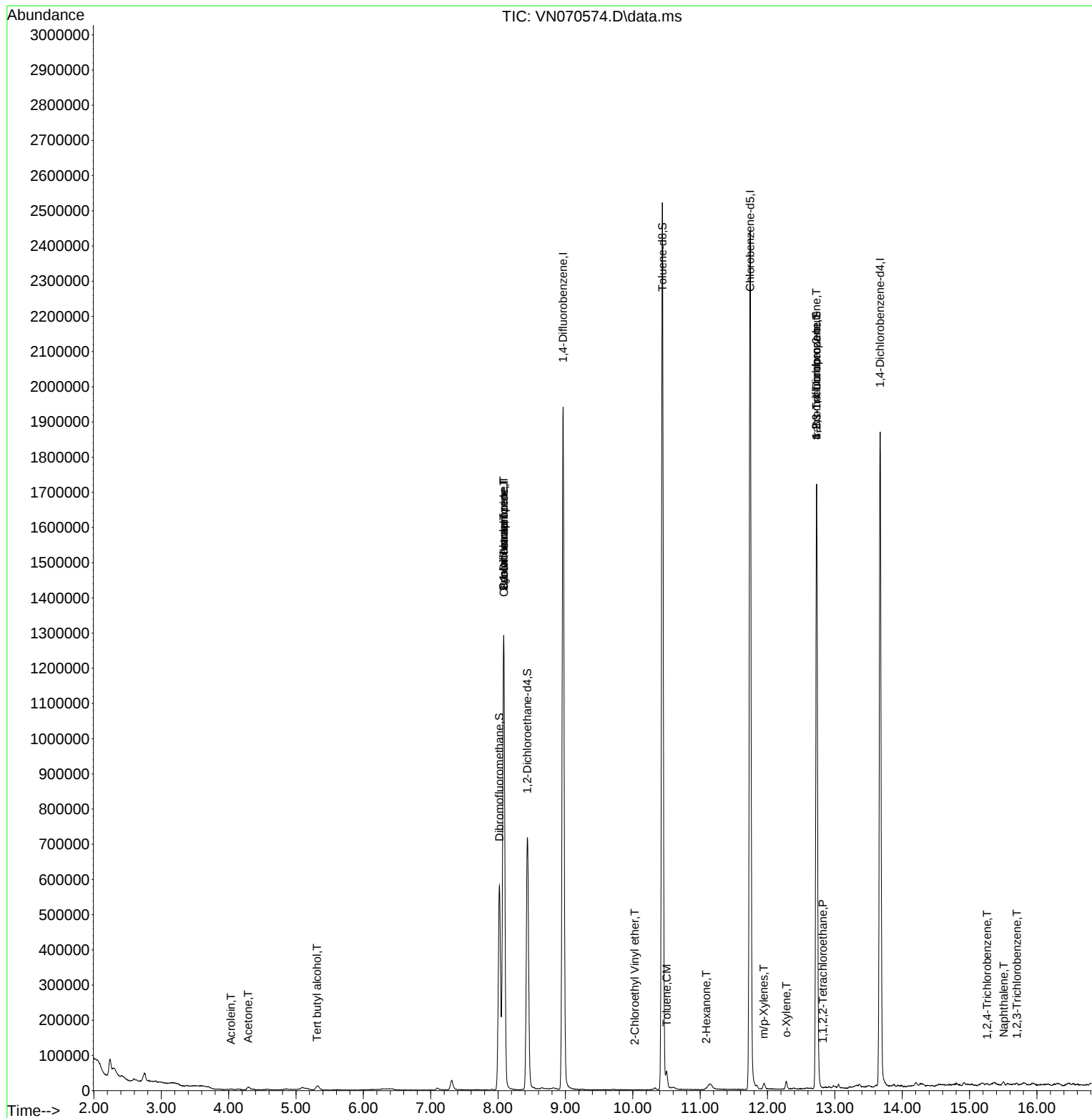
Internal Standards						
1) Pentafluorobenzene	8.083	168	1004366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1681027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1453603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	515825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	607671	42.080	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	84.160%
35) Dibromofluoromethane	8.018	113	434843	42.753	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	85.500%
50) Toluene-d8	10.440	98	1757379	42.296	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	84.600%
62) 4-Bromofluorobenzene	12.728	95	649604	43.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.312	59	5834	2.426	ug/l #	71
13) Acrolein	4.036	56	795	0.407	ug/l #	67
16) Acetone	4.288	43	4976	0.531	ug/l	96
31) Cyclohexane	8.083	56	21606	0.948	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	79576	4.729	ug/l #	48
38) Carbon Tetrachloride	8.086	117	95980	5.974	ug/l #	17
52) Toluene	10.502	92	15338	0.491	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.030	63	26	18.518	ug/l #	45
59) 2-Hexanone	11.089	43	3935	0.250	ug/l	100
68) m/p-Xylenes	11.945	106	5167	0.251	ug/l	95
69) o-Xylene	12.280	106	5553	0.271	ug/l	83
75) 1,1,2,2-Tetrachloroethane	12.822	83	559	0.479	ug/l #	48
76) 1,2,3-Trichloropropane	12.728	75	332345	23.307	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	332345	78.718	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	1893	0.223	ug/l	88
95) Naphthalene	15.507	128	9628	2.192	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.702	180	2320	1.107	ug/l #	55

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

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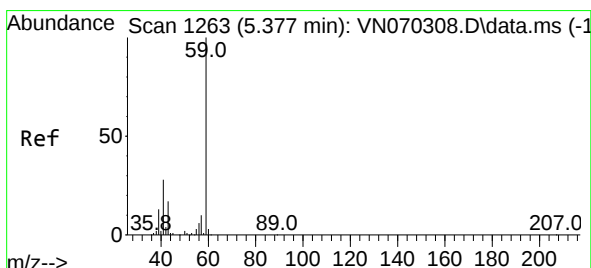
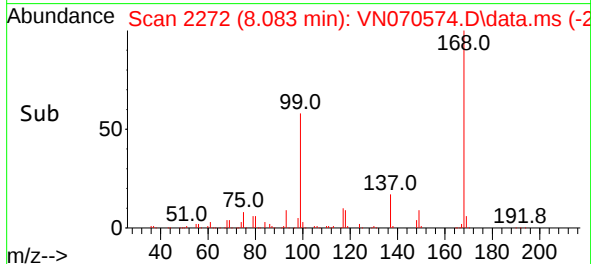
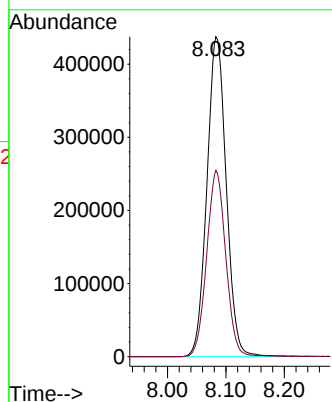
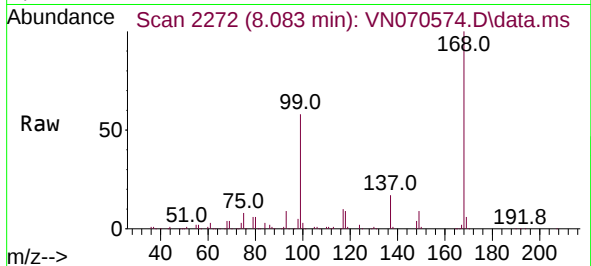




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

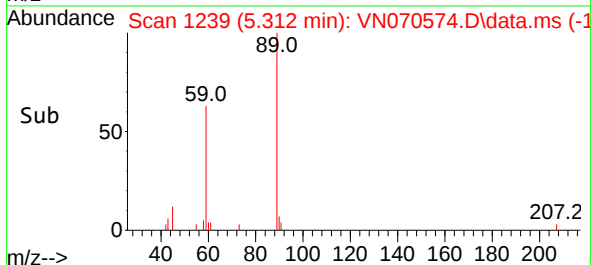
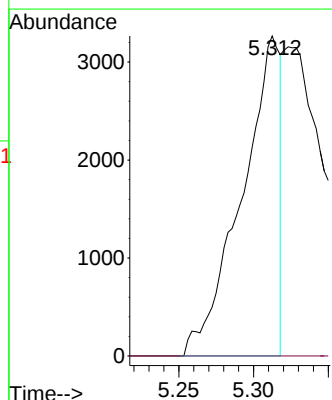
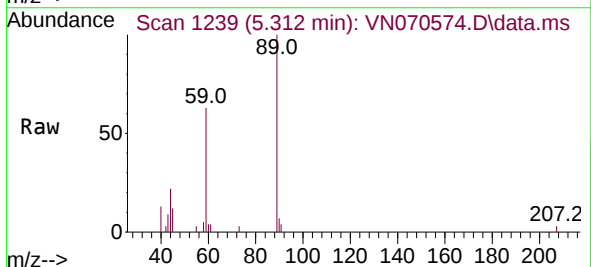
Instrument :
MSVOA_N
ClientSampleId :

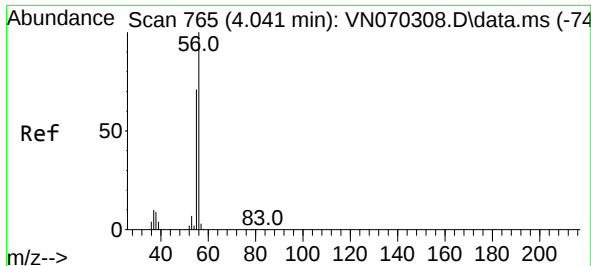
Tgt Ion:168 Resp: 1004366
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 2.426 ug/l
RT: 5.312 min Scan# 1239
Delta R.T. -0.065 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

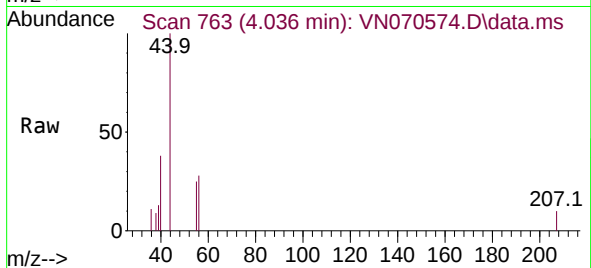
Tgt Ion: 59 Resp: 5834
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



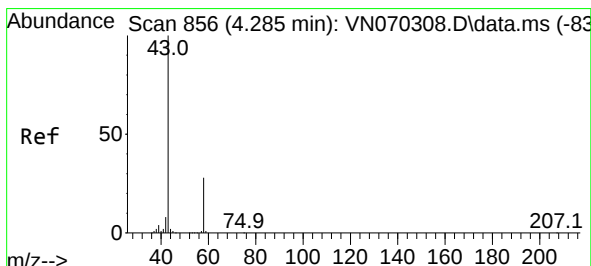
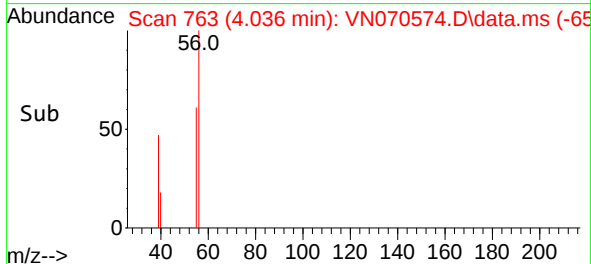
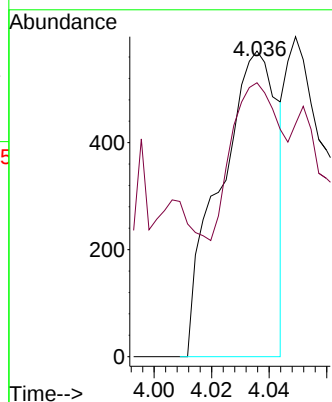


#13
Acrolein
Concen: 0.407 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Instrument :
MSVOA_N
ClientSampleId :

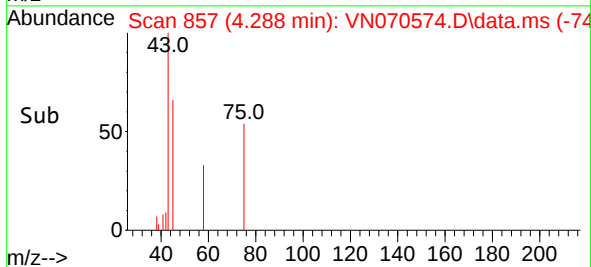
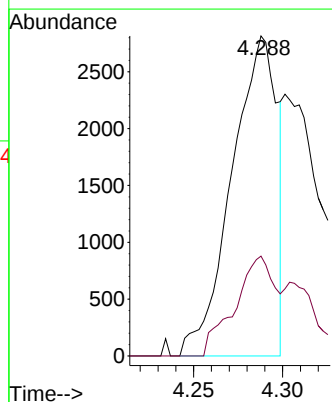
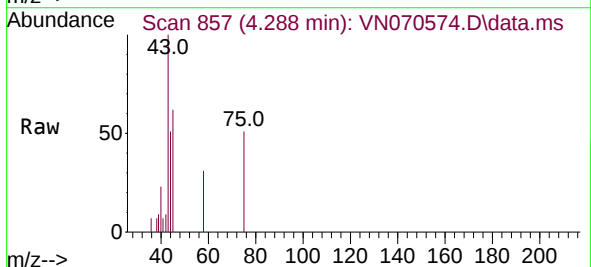


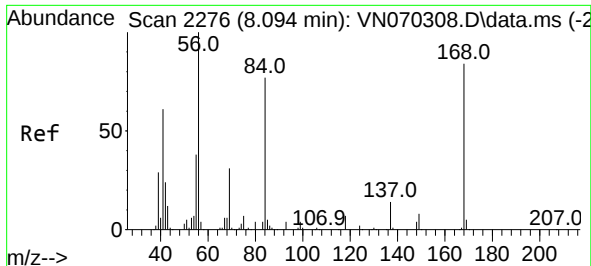
Tgt Ion: 56 Resp: 795
Ion Ratio Lower Upper
56 100
55 43.5 56.6 85.0#



#16
Acetone
Concen: 0.531 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

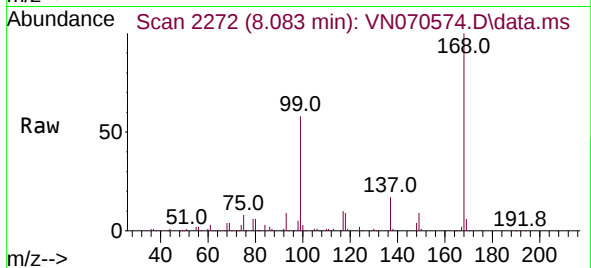
Tgt Ion: 43 Resp: 4976
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7



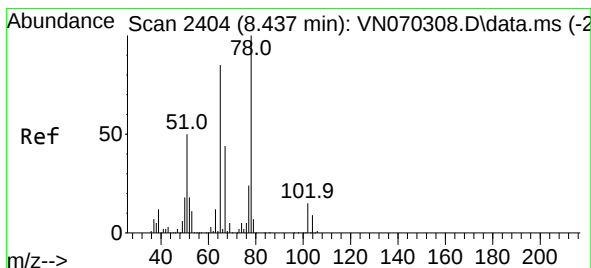
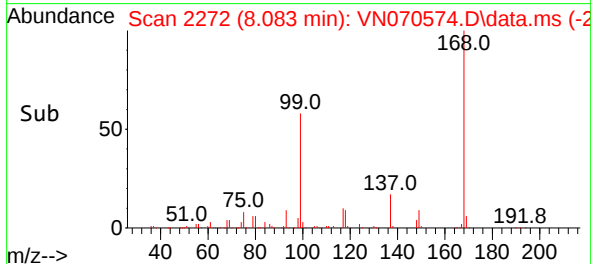
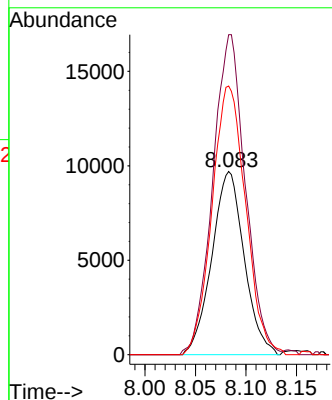


#31
Cyclohexane
Concen: 0.948 ug/l
RT: 8.083 min Scan# 21606
Delta R.T. -0.011 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Instrument :
MSVOA_N
ClientSampleId :

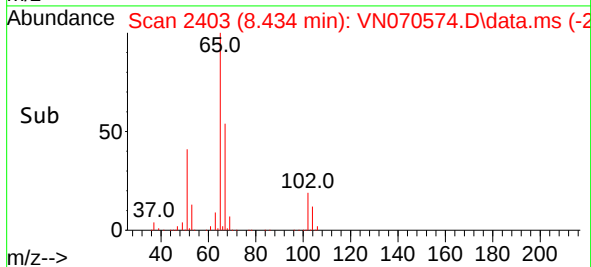
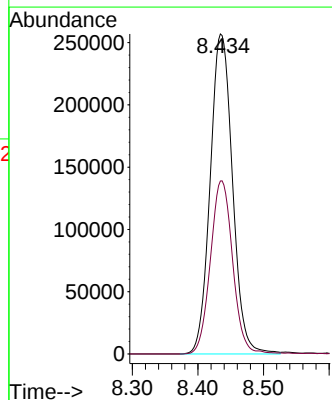
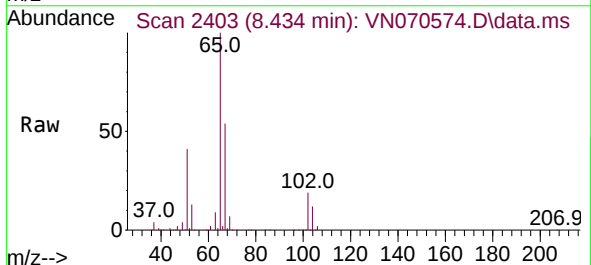


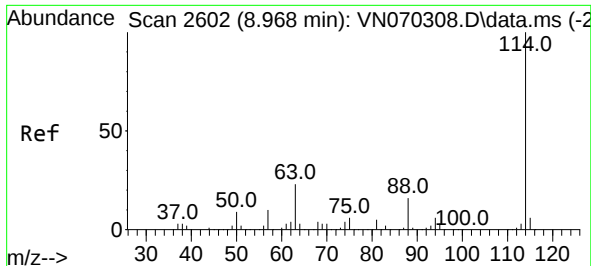
Tgt Ion: 56 Resp: 21606
Ion Ratio Lower Upper
56 100
69 174.6 27.1 40.7#
84 146.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 42.080 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Tgt Ion: 65 Resp: 607671
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070574.D

Acq: 11 Jan 2022 17:51

Instrument :

MSVOA_N

ClientSampleId :

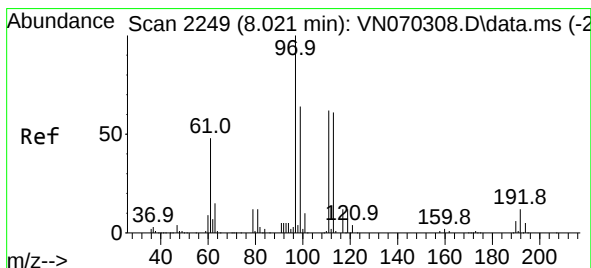
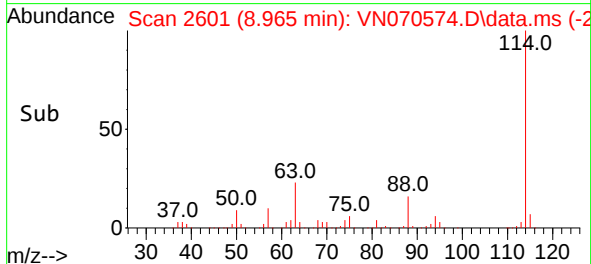
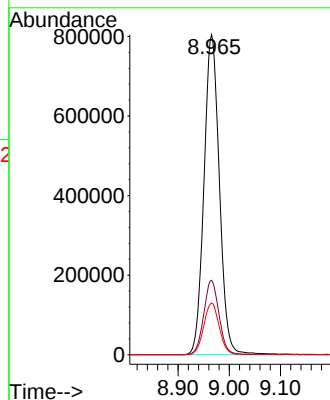
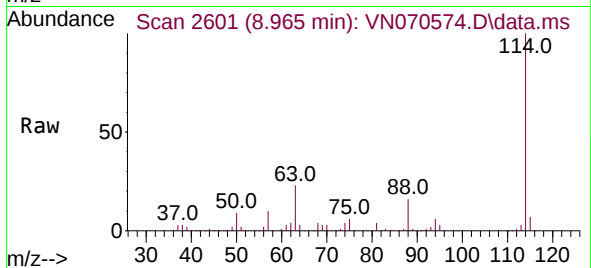
Tgt Ion:114 Resp: 1681027

Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 42.753 ug/l

RT: 8.018 min Scan# 2248

Delta R.T. -0.003 min

Lab File: VN070574.D

Acq: 11 Jan 2022 17:51

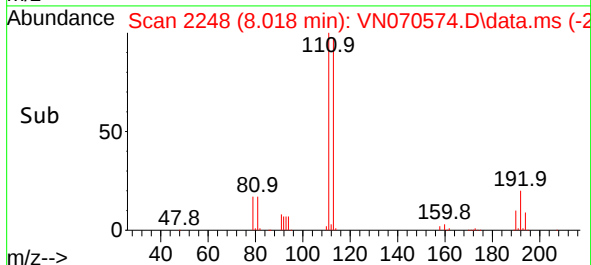
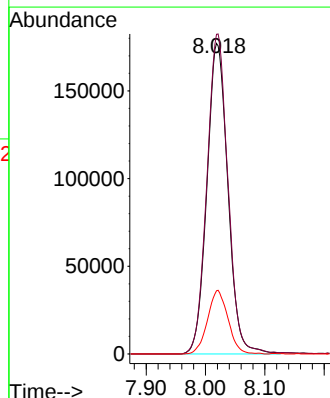
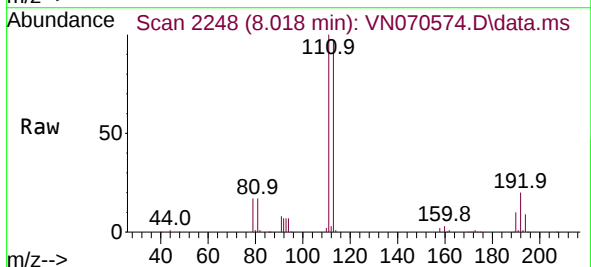
Tgt Ion:113 Resp: 434843

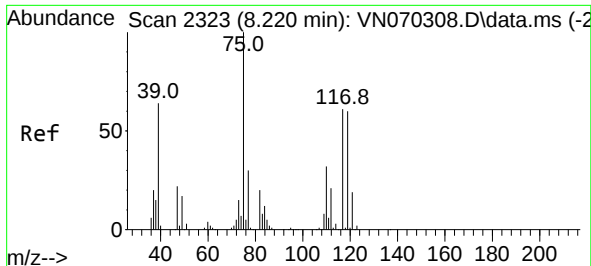
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

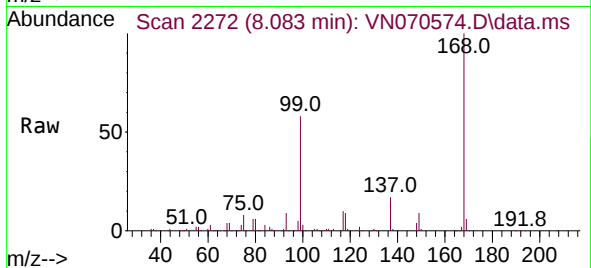
192 19.9 16.9 25.3



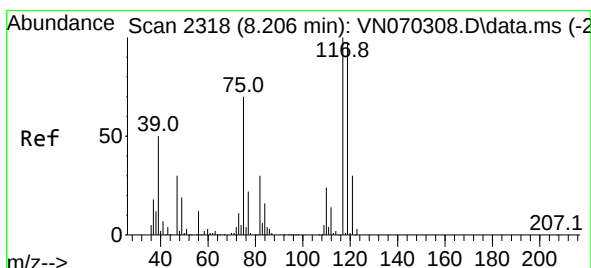
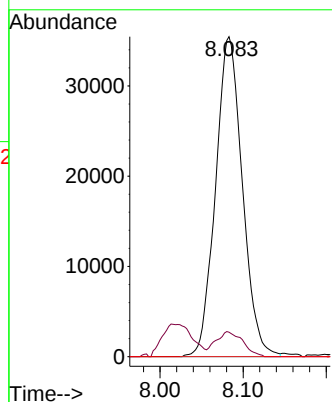
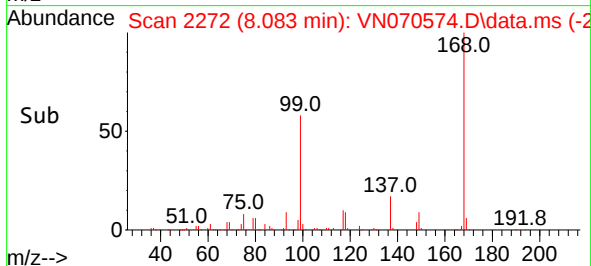


#36
1,1-Dichloropropene
Concen: 4.729 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

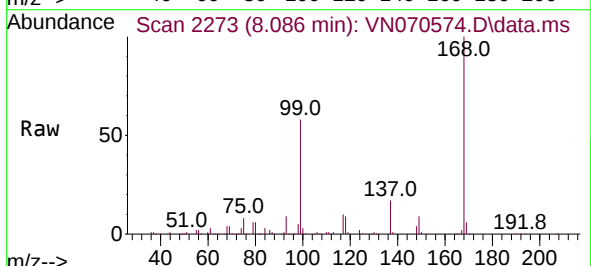
Instrument :
MSVOA_N
ClientSampleId :



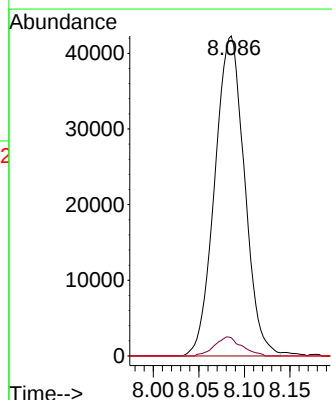
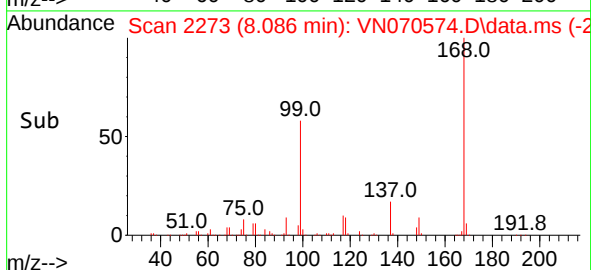
Tgt Ion: 75 Resp: 79576
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 24.4 36.6#

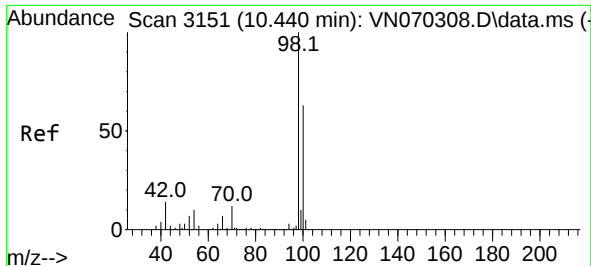


#38
Carbon Tetrachloride
Concen: 5.974 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51



Tgt Ion: 117 Resp: 95980
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#

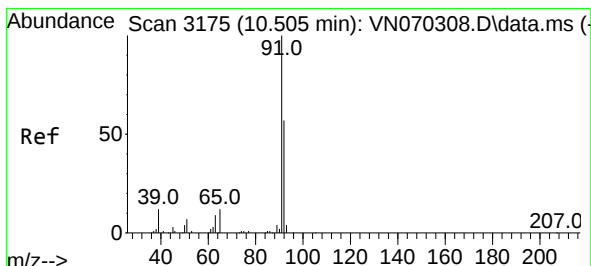
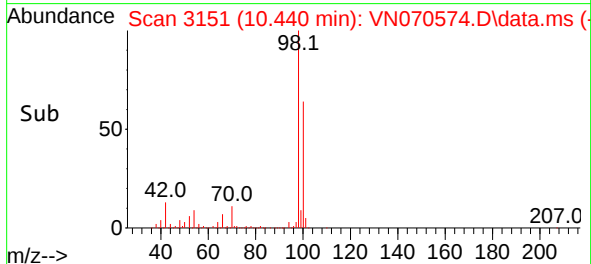
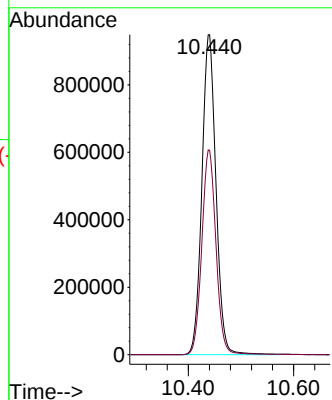
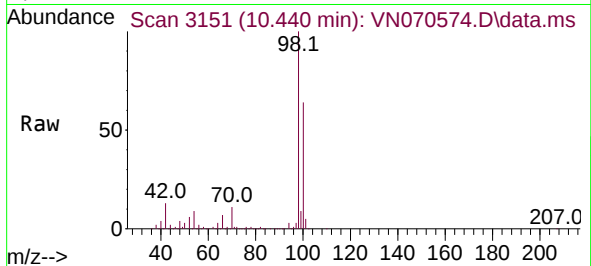




#50
Toluene-d8
Concen: 42.296 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

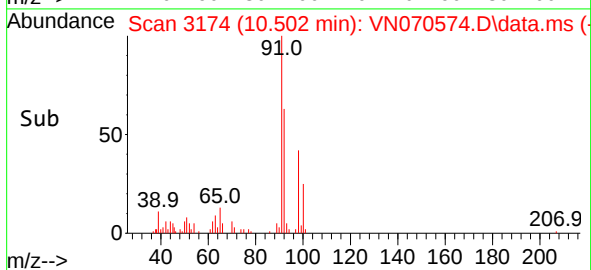
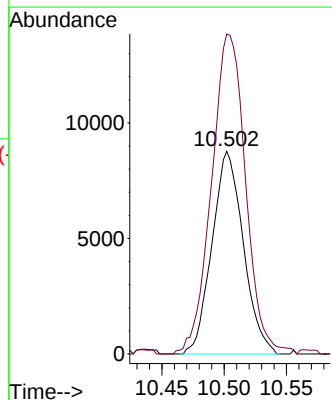
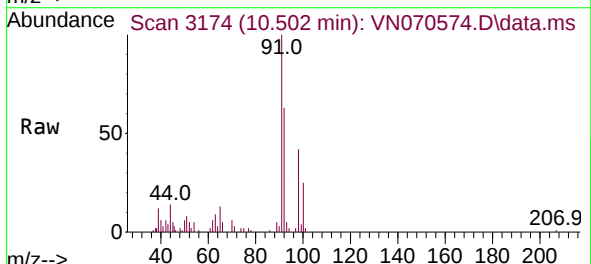
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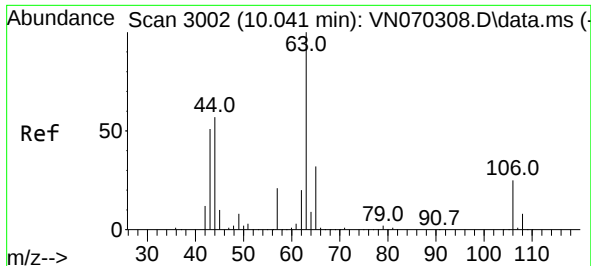
Tgt Ion: 98 Resp: 1757379
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#52
Toluene
Concen: 0.491 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Tgt Ion: 92 Resp: 15338
Ion Ratio Lower Upper
92 100
91 171.9 142.0 213.0

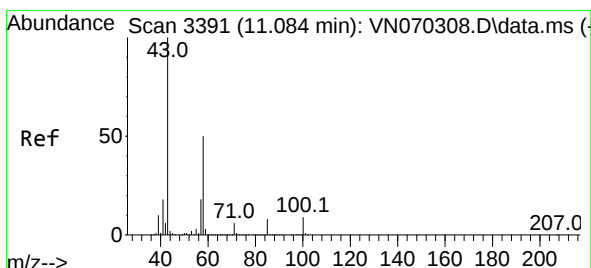
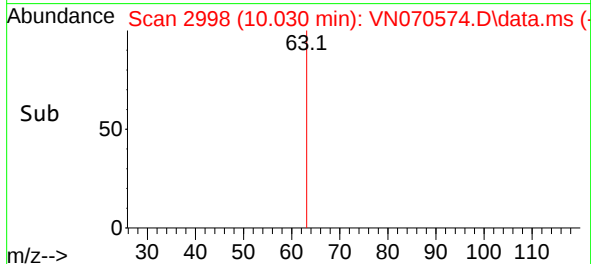
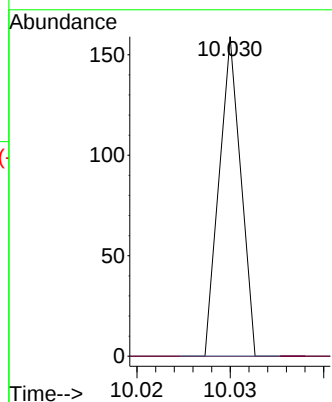
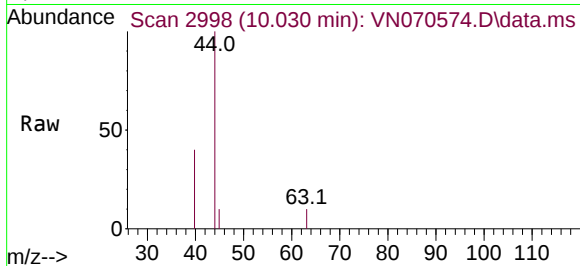




#58
2-Chloroethyl Vinyl ether
Concen: 18.518 ug/l
RT: 10.030 min Scan# 2998
Delta R.T. -0.011 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

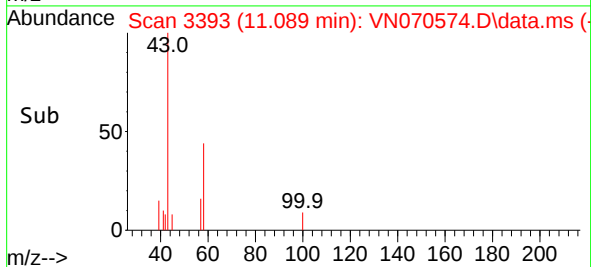
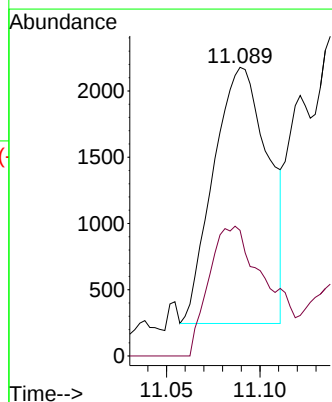
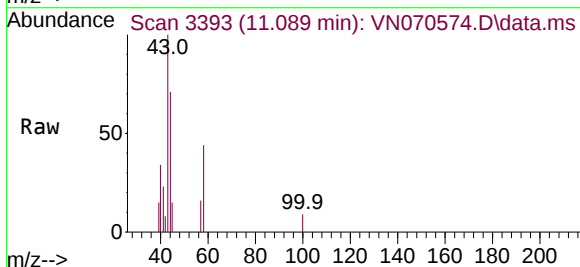
Instrument :
MSVOA_N
ClientSampleId :

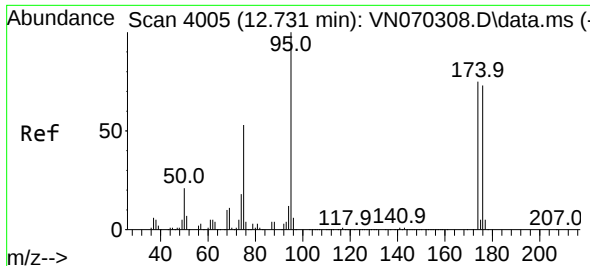
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.250 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
58 53.7 26.9 80.7

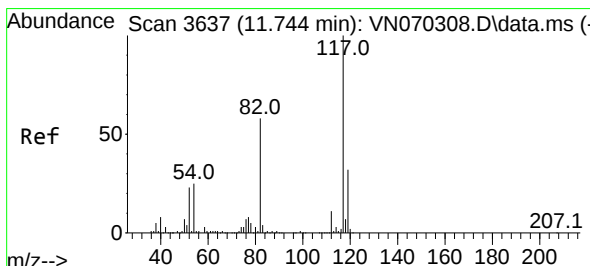
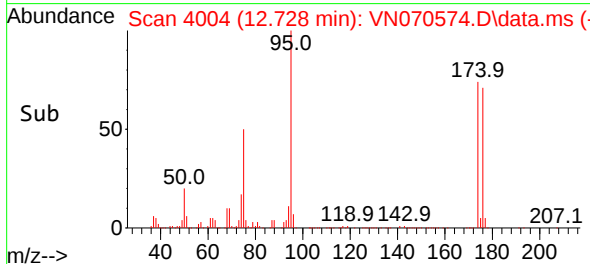
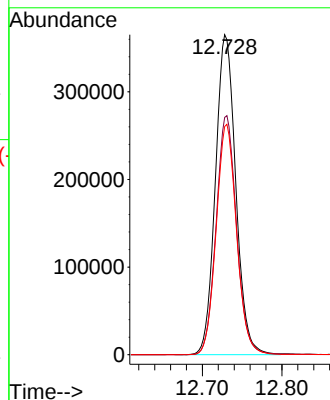
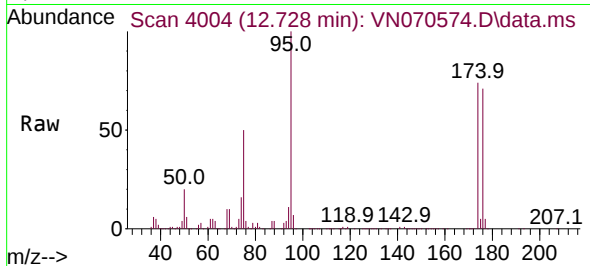




#62
4-Bromofluorobenzene
Concen: 43.287 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

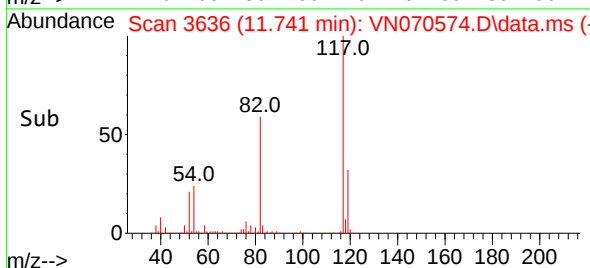
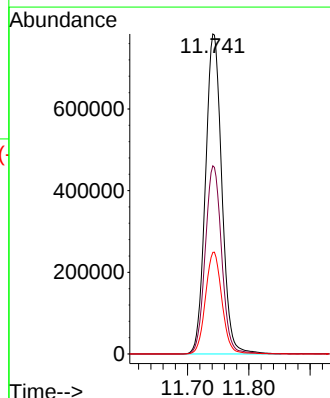
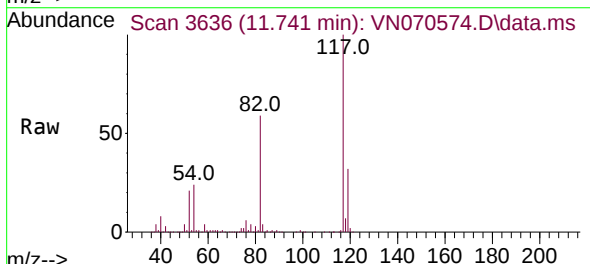
Instrument :
MSVOA_N
ClientSampleId :

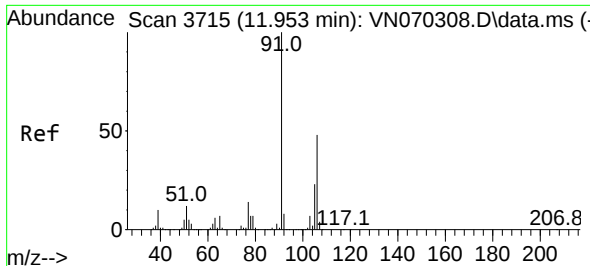
Tgt Ion: 95 Resp: 649604
Ion Ratio Lower Upper
95 100
174 75.0 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Tgt Ion: 117 Resp: 1453603
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 31.7 25.4 38.2

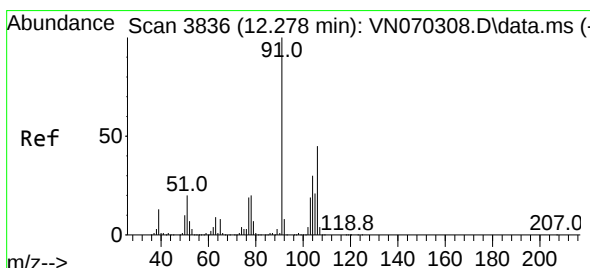
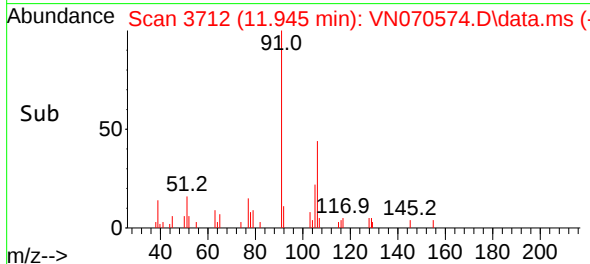
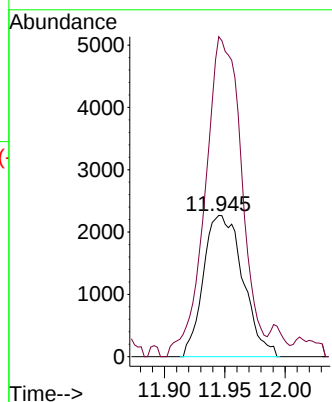
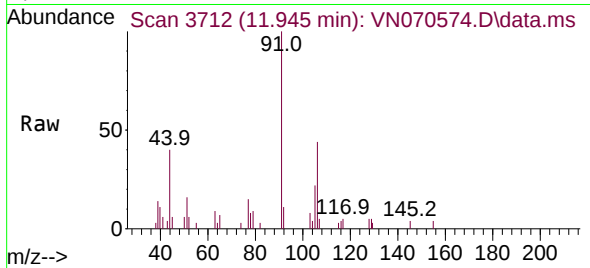




#68
m/p-Xylenes
Concen: 0.251 ug/l
RT: 11.945 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

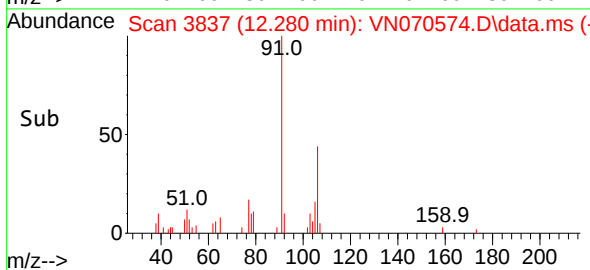
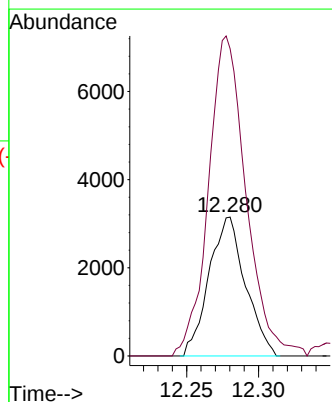
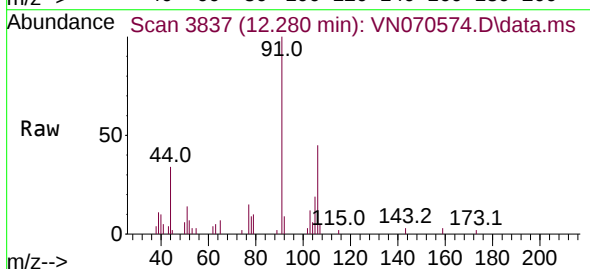
Instrument :
MSVOA_N
ClientSampleId :

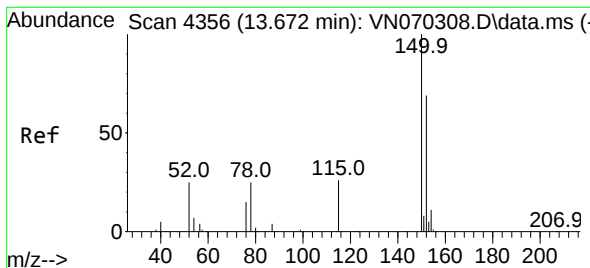
Tgt Ion:106 Resp: 5167
Ion Ratio Lower Upper
106 100
91 209.0 160.6 240.8



#69
o-Xylene
Concen: 0.271 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

Tgt Ion:106 Resp: 5553
Ion Ratio Lower Upper
106 100
91 237.7 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070574.D

Acq: 11 Jan 2022 17:51

Instrument :

MSVOA_N

ClientSampleId :

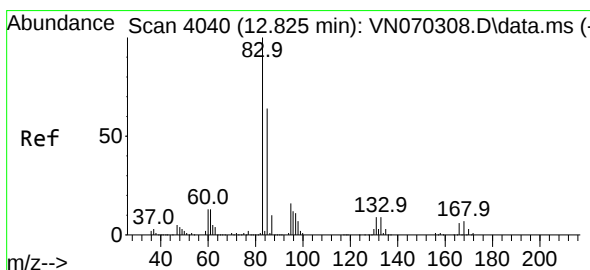
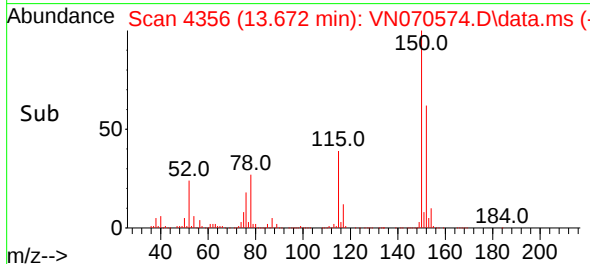
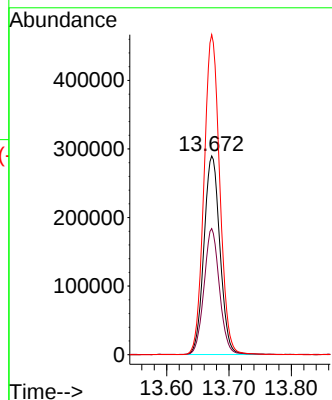
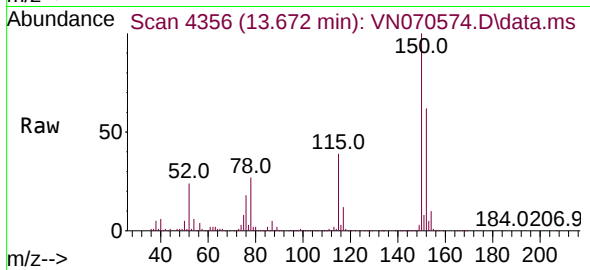
Tgt Ion:152 Resp: 515825

Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.5

150 158.6 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.479 ug/l

RT: 12.822 min Scan# 4039

Delta R.T. -0.003 min

Lab File: VN070574.D

Acq: 11 Jan 2022 17:51

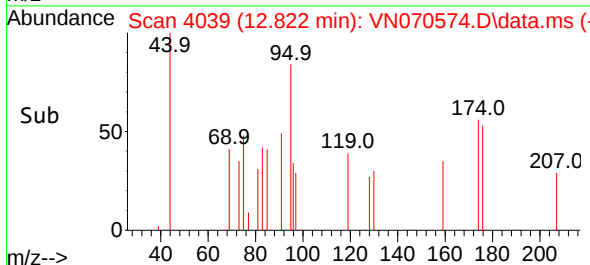
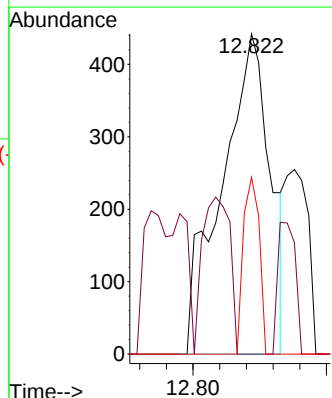
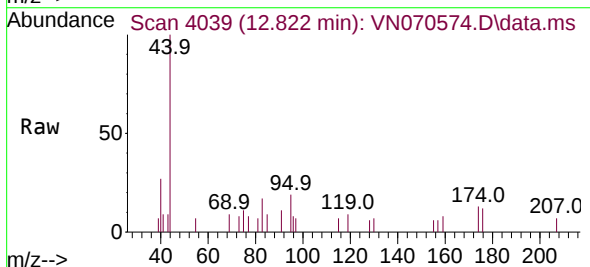
Tgt Ion: 83 Resp: 559

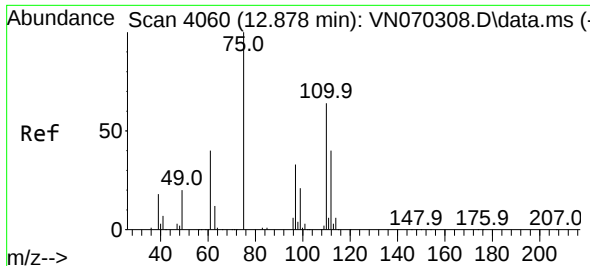
Ion Ratio Lower Upper

83 100

131 14.8 5.5 16.5

85 18.1 32.4 97.2#

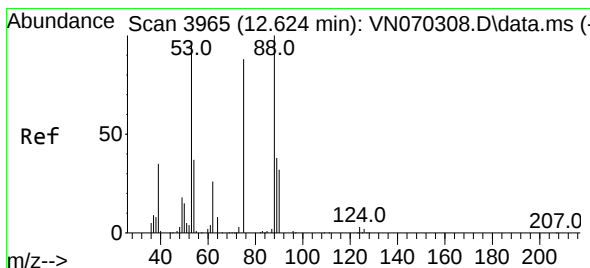
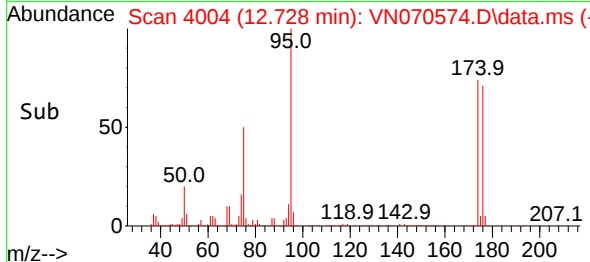
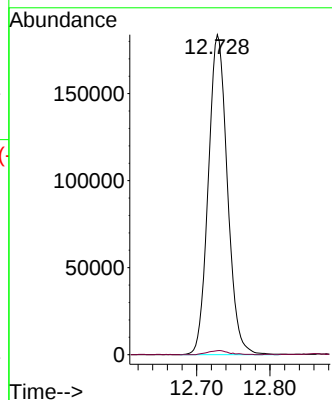
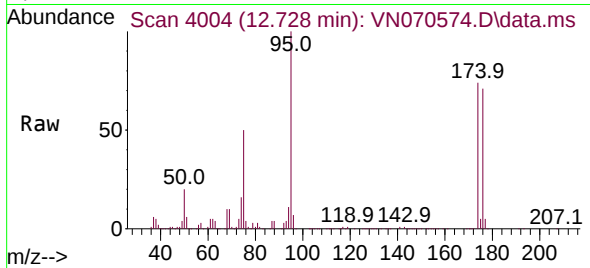




#76
 1,2,3-Trichloropropane
 Concen: 23.307 ug/l
 RT: 12.728 min Scan# 4060
 Delta R.T. -0.150 min
 Lab File: VN070574.D
 Acq: 11 Jan 2022 17:51

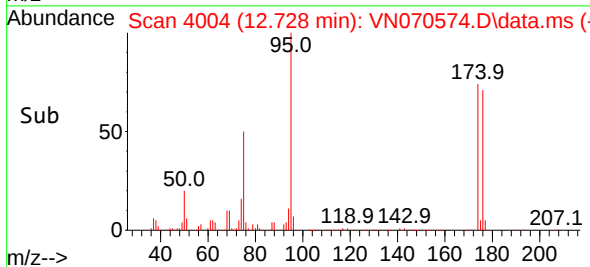
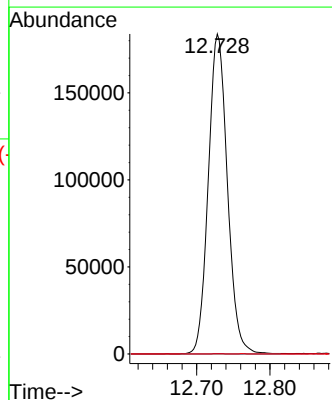
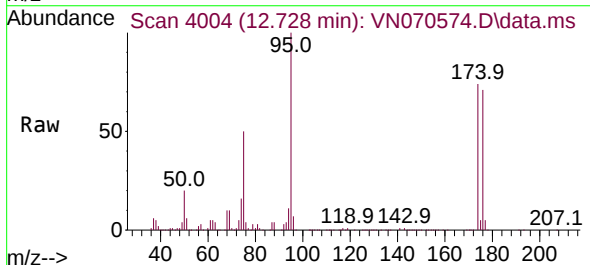
Instrument :
 MSVOA_N
 ClientSampleId :

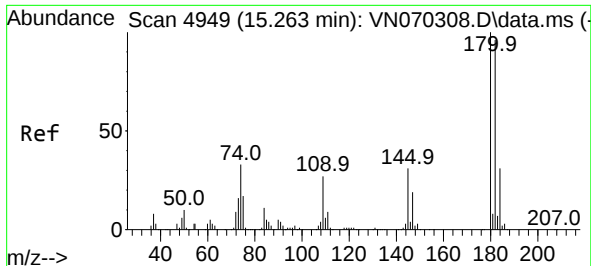
Tgt Ion: 75 Resp: 332345
 Ion Ratio Lower Upper
 75 100
 77 1.3 82.6 247.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.718 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. 0.104 min
 Lab File: VN070574.D
 Acq: 11 Jan 2022 17:51

Tgt Ion: 75 Resp: 332345
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

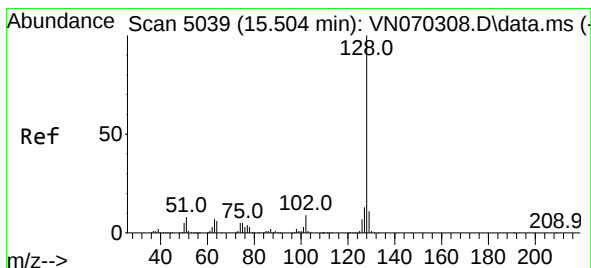
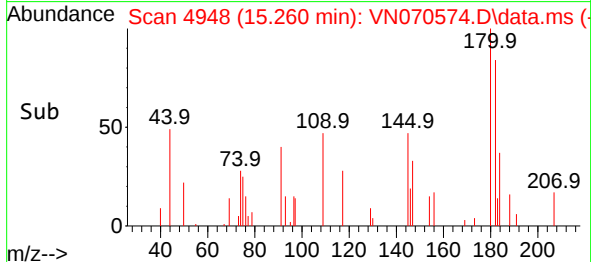
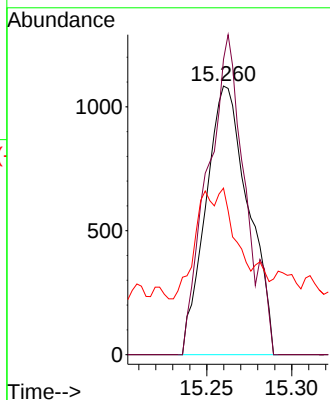
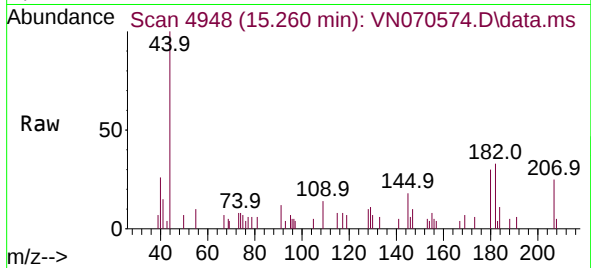




#93
1,2,4-Trichlorobenzene
Concen: 0.223 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

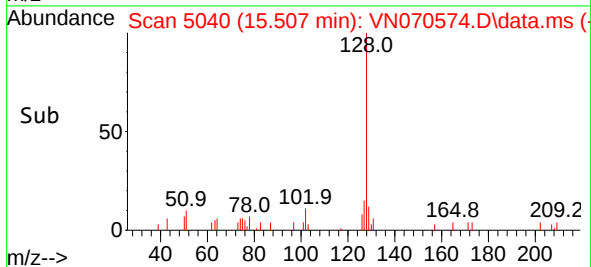
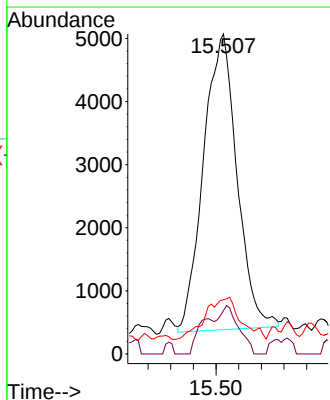
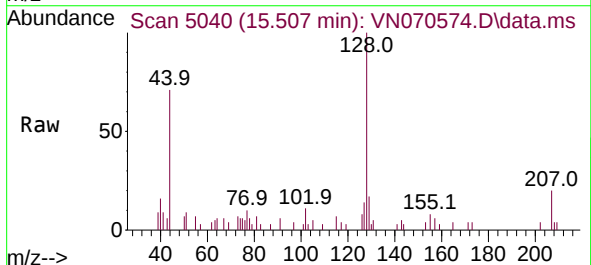
Instrument :
MSVOA_N
ClientSampleId :

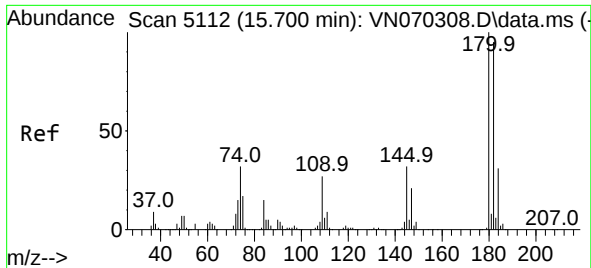
Tgt Ion:180 Resp: 1893
Ion Ratio Lower Upper
180 100
182 105.9 48.3 144.9
145 18.8 14.5 43.5



#95
Naphthalene
Concen: 2.192 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070574.D
Acq: 11 Jan 2022 17:51

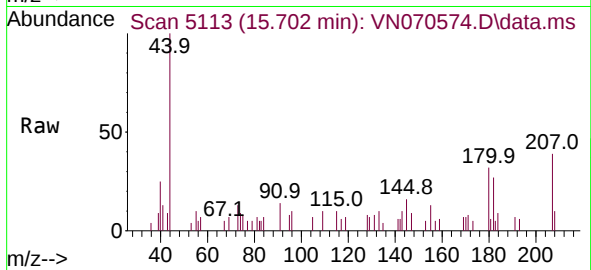
Tgt Ion:128 Resp: 9628
Ion Ratio Lower Upper
128 100
127 8.8 10.5 15.7#
129 14.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.107 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.002 min
 Lab File: VN070574.D
 Acq: 11 Jan 2022 17:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2320
 Ion Ratio Lower Upper
 180 100
 182 55.6 47.4 142.2
 145 62.6 15.0 45.1#

