

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070474.D
 Acq On : 4 Jan 2022 19:40
 Operator : JC/MD
 Sample : N1012-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:21:34 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

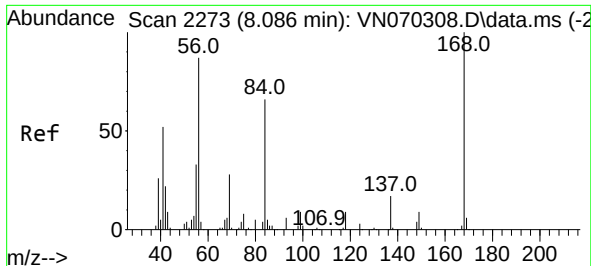
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	957984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1623563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1449098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	530261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	784657	56.967	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 113.940%	
35) Dibromofluoromethane	8.019	113	539273	54.897	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.800%	
50) Toluene-d8	10.440	98	2208156	55.026	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 110.060%	
62) 4-Bromofluorobenzene	12.728	95	837160	57.759	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 115.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	5594	0.379	ug/l #	82
11) Tert butyl alcohol	5.369	59	470	0.205	ug/l #	1
13) Acrolein	4.036	56	424	0.228	ug/l	95
16) Acetone	4.288	43	240515	26.899	ug/l	97
17) Carbon Disulfide	4.532	76	5613	0.211	ug/l	96
18) Methyl Acetate	4.865	43	5669	0.219	ug/l	100
20) Methylene Chloride	5.095	84	11287	0.912	ug/l #	85
25) 2-Butanone	7.340	43	90444	8.033	ug/l #	87
31) Cyclohexane	8.086	56	29755	1.369	ug/l #	40
36) 1,1-Dichloropropene	8.086	75	77078	4.743	ug/l #	48
37) Ethyl Acetate	7.340	43	90444	4.294	ug/l #	68
38) Carbon Tetrachloride	8.086	117	95146	6.132	ug/l #	16
39) Methylcyclohexane	9.461	83	8317	0.423	ug/l #	93
40) Benzene	8.464	78	32123	0.645	ug/l	99
48) Methyl methacrylate	9.529	41	5439	0.343	ug/l #	29
51) 4-Methyl-2-Pentanone	10.328	43	7239	0.347	ug/l	92
52) Toluene	10.502	92	7064	0.234	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.875	63	52	18.523	ug/l #	45
68) m/p-Xylenes	11.953	106	5465	0.267	ug/l #	61
74) N-amyl acetate	12.345	43	10259	0.495	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.760	83	776	0.490	ug/l	89
76) 1,2,3-Trichloropropane	12.728	75	433031	28.810	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	433031	99.774	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.393	105	83312	2.193	ug/l #	31
85) sec-Butylbenzene	13.393	105	83312	1.766	ug/l #	56
95) Naphthalene	15.504	128	38138	3.319	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	728	0.912	ug/l	91

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

Quant Time: Jan 05 03:21:34 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

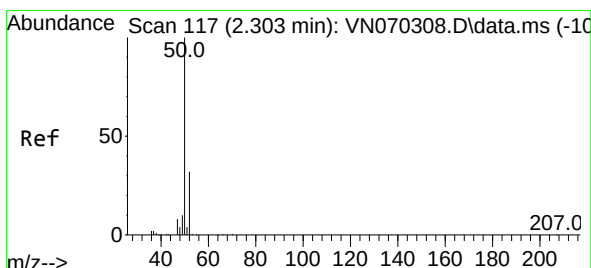
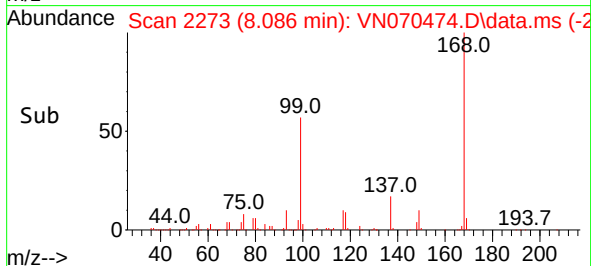
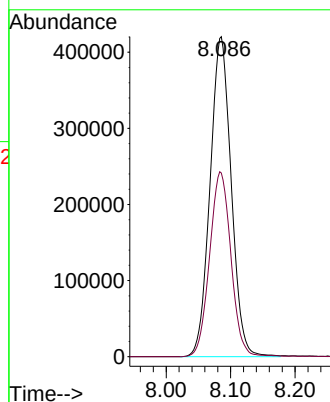
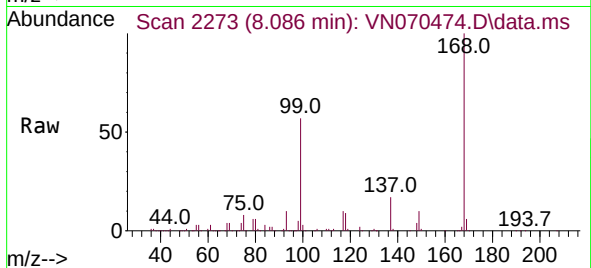




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

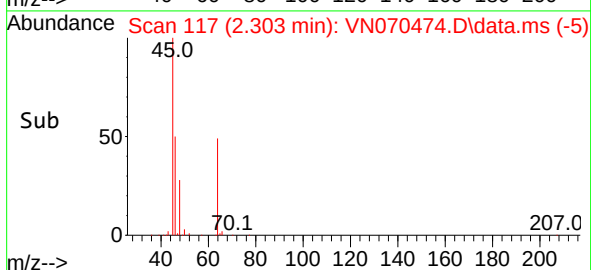
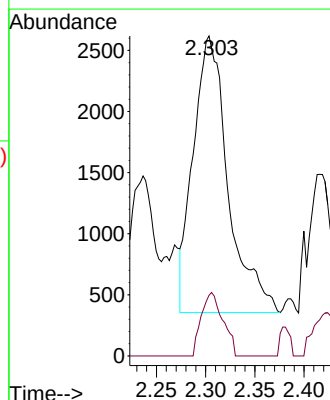
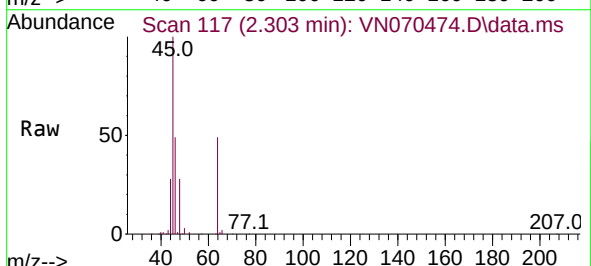
Instrument :
MSVOA_N
ClientSampleId :

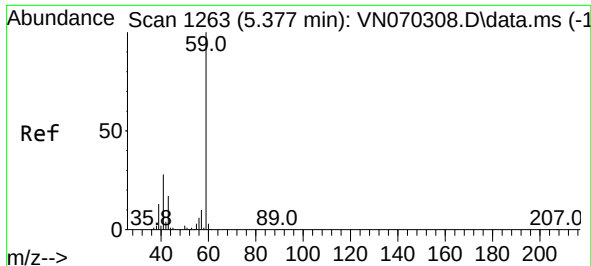
Tgt Ion:168 Resp: 957984
Ion Ratio Lower Upper
168 100
99 57.4 41.3 61.9



#3
Chloromethane
Concen: 0.379 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 50 Resp: 5594
Ion Ratio Lower Upper
50 100
52 21.9 25.4 38.0#

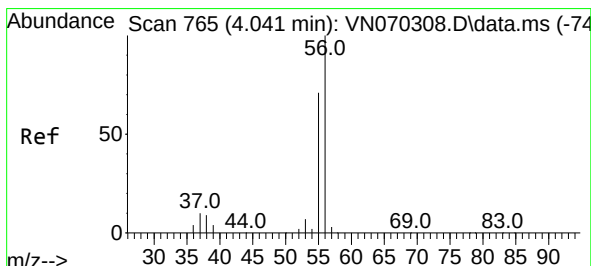
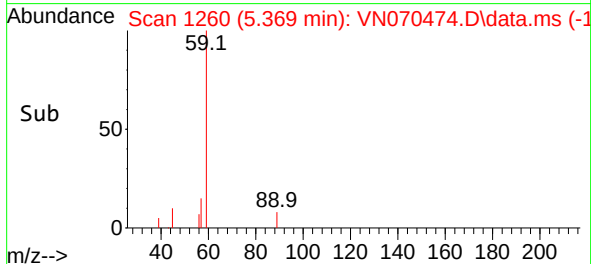
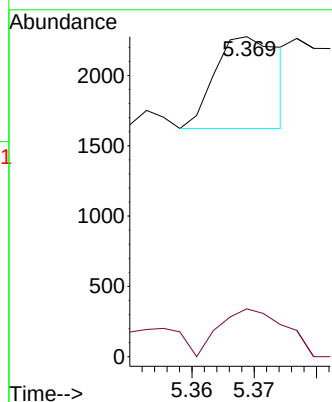
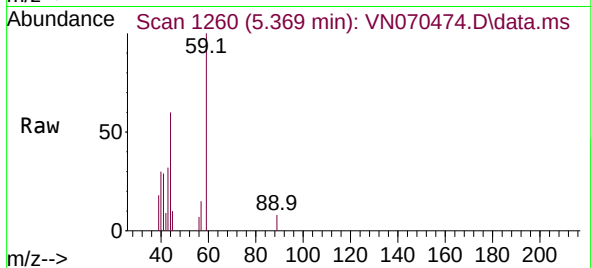




#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.008 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

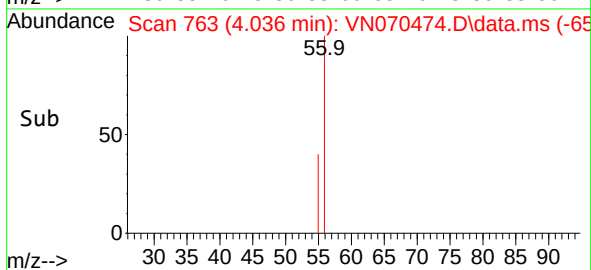
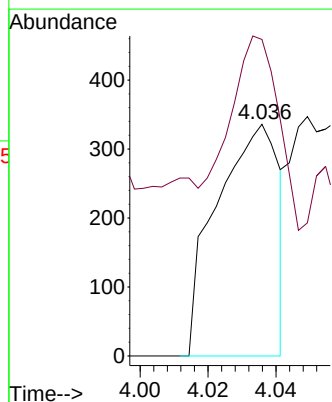
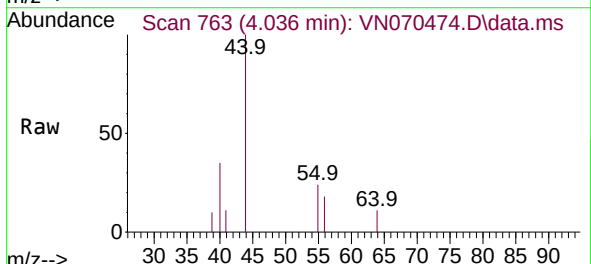
Instrument :
MSVOA_N
ClientSampleId :

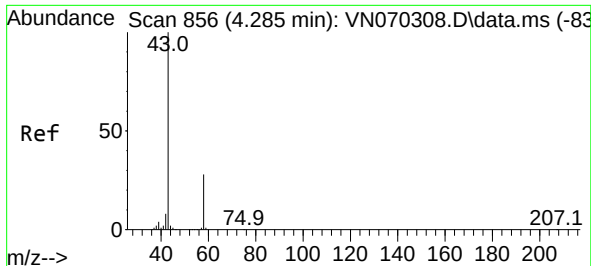
Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 52.6 8.7 13.1#



#13
Acrolein
Concen: 0.228 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 74.8 56.6 85.0

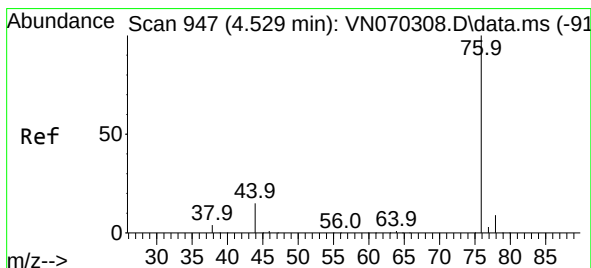
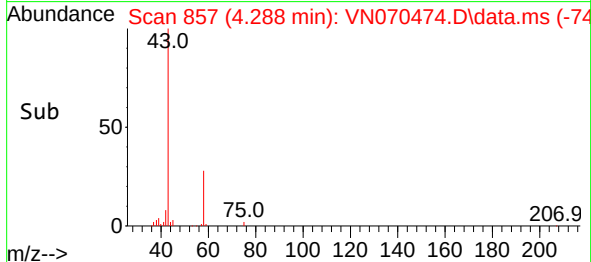
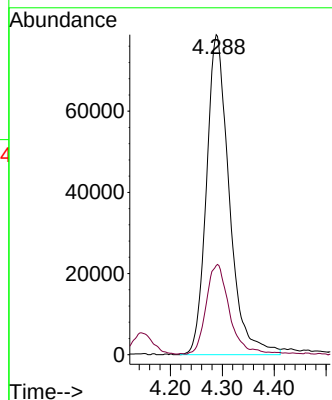
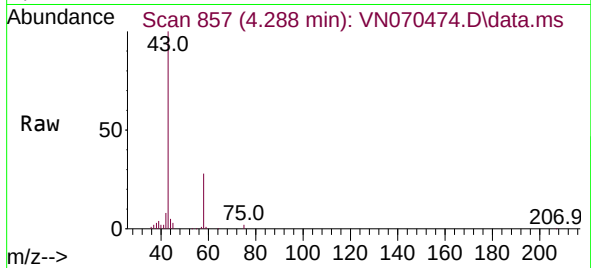




#16
Acetone
Concen: 26.899 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

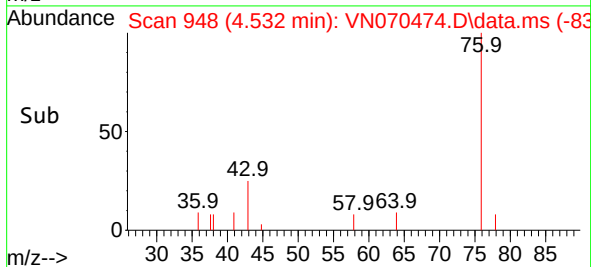
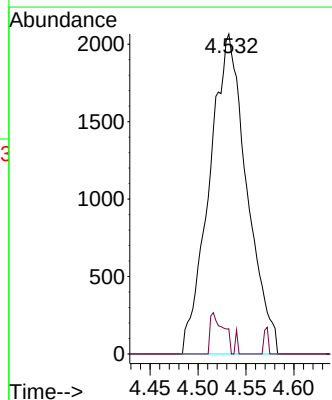
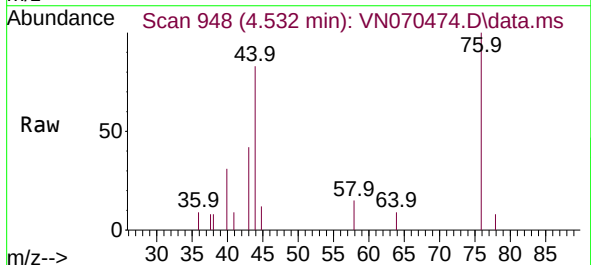
Instrument :
MSVOA_N
ClientSampleId :

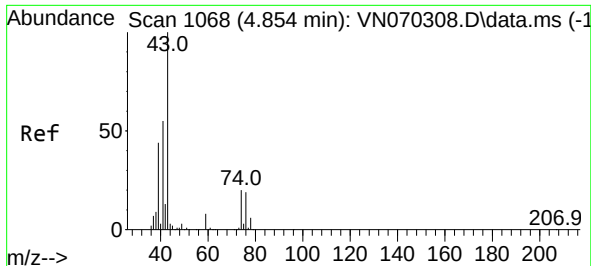
Tgt Ion: 43 Resp: 240515
Ion Ratio Lower Upper
43 100
58 27.5 23.1 34.7



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.003 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 76 Resp: 5613
Ion Ratio Lower Upper
76 100
78 7.8 7.5 11.3





#18

Methyl Acetate

Concen: 0.219 ug/l

RT: 4.865 min Scan# 1107

Delta R.T. 0.011 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Instrument :

MSVOA_N

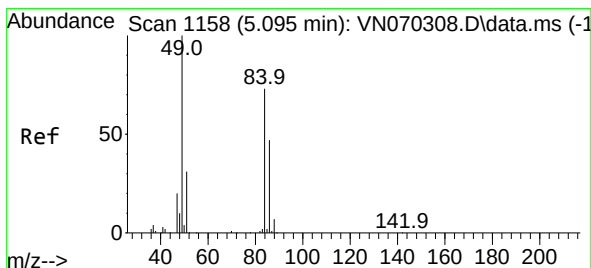
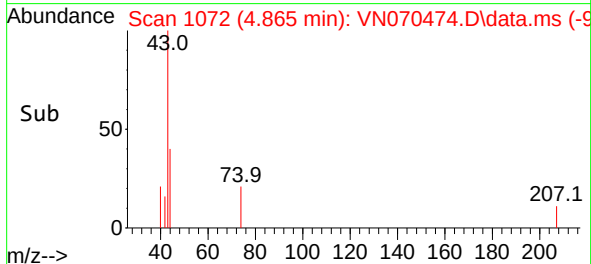
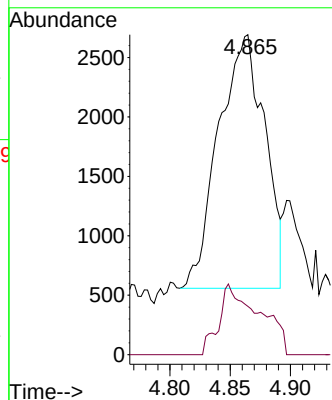
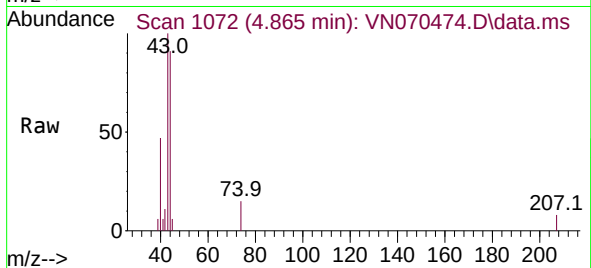
ClientSampleId :

Tgt Ion: 43 Resp: 5669

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2



#20

Methylene Chloride

Concen: 0.912 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Tgt Ion: 84 Resp: 11287

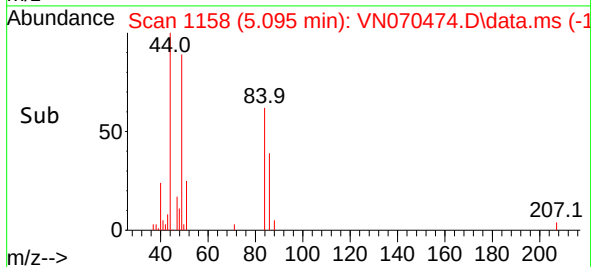
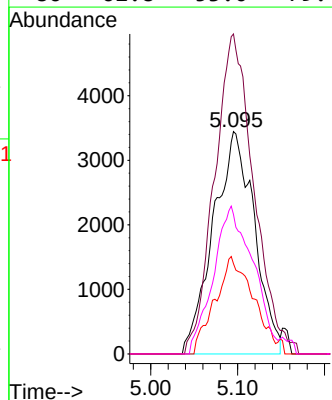
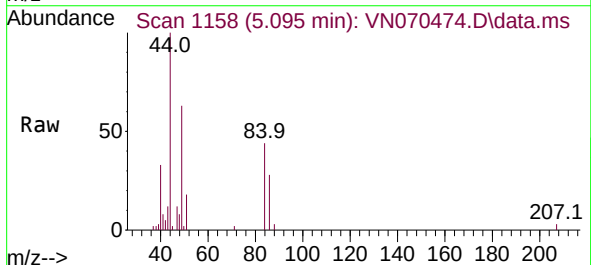
Ion Ratio Lower Upper

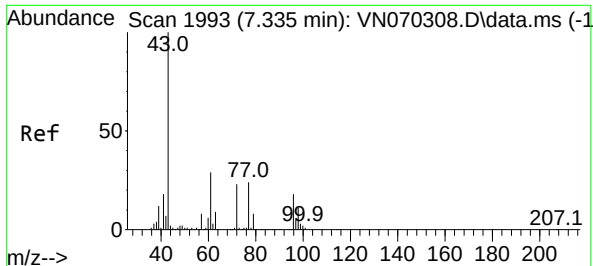
84 100

49 143.9 93.5 140.3#

51 40.6 29.4 44.2

86 62.8 53.0 79.4





#25

2-Butanone

Concen: 8.033 ug/l

RT: 7.340 min Scan# 1993

Delta R.T. 0.005 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Instrument :

MSVOA_N

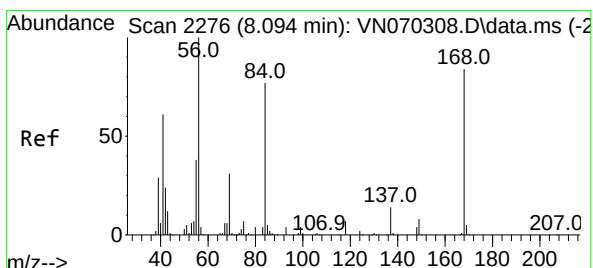
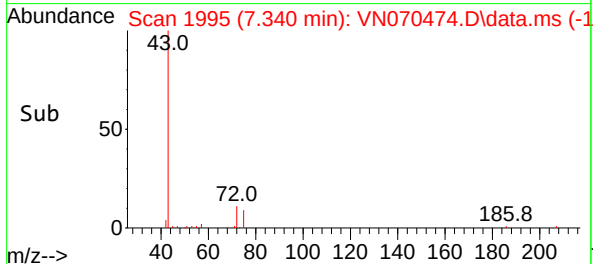
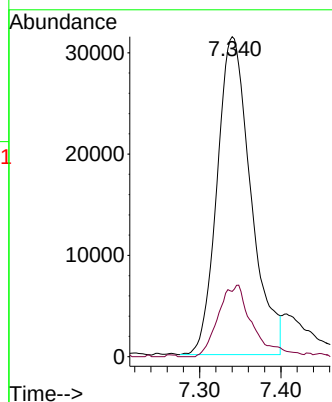
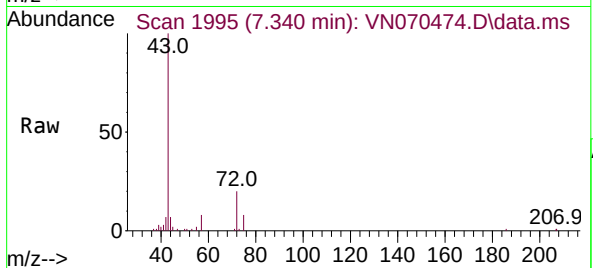
ClientSampleId :

Tgt Ion: 43 Resp: 90444

Ion Ratio Lower Upper

43 100

72 20.5 21.7 32.5#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

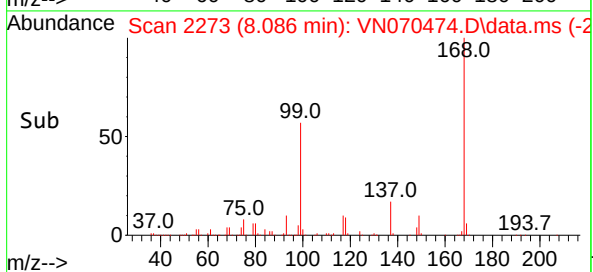
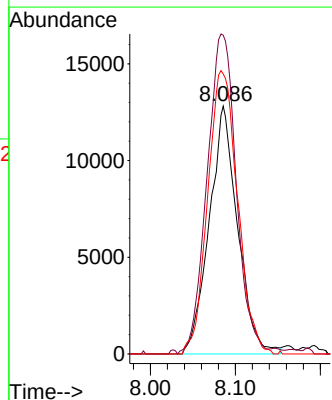
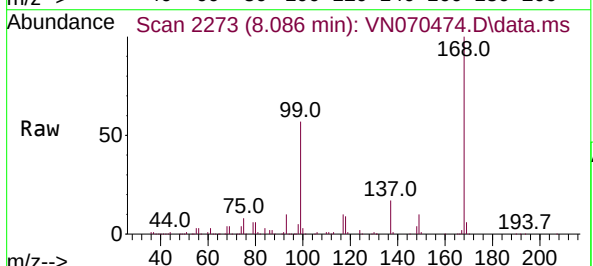
Tgt Ion: 56 Resp: 29755

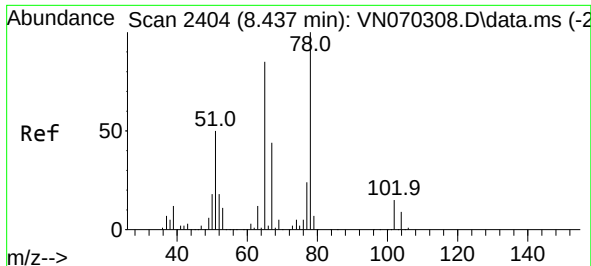
Ion Ratio Lower Upper

56 100

69 127.4 27.1 40.7#

84 113.0 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 56.967 ug/l

RT: 8.434 min Scan# 24

Delta R.T. -0.003 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Instrument :

MSVOA_N

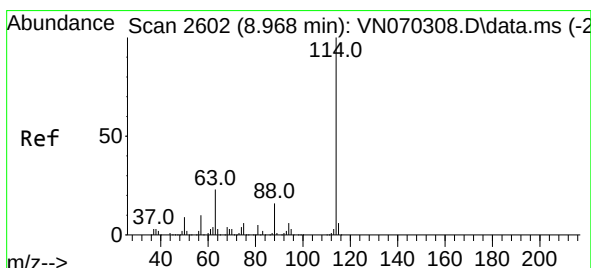
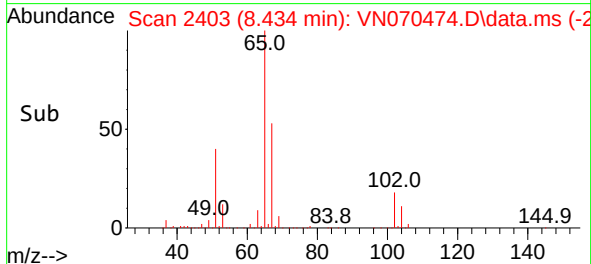
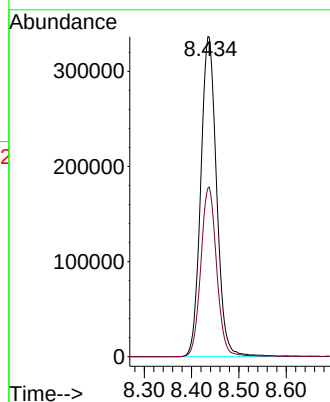
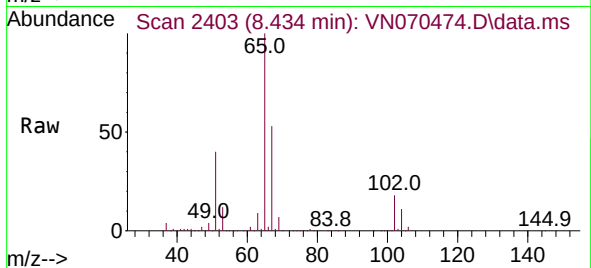
ClientSampleId :

Tgt Ion: 65 Resp: 784657

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

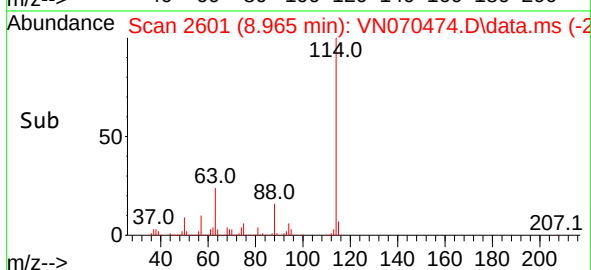
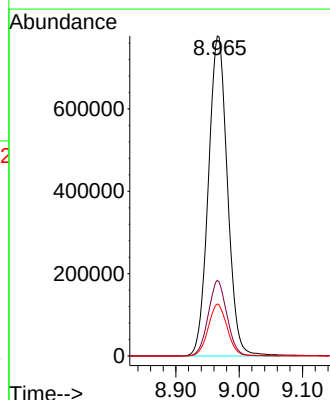
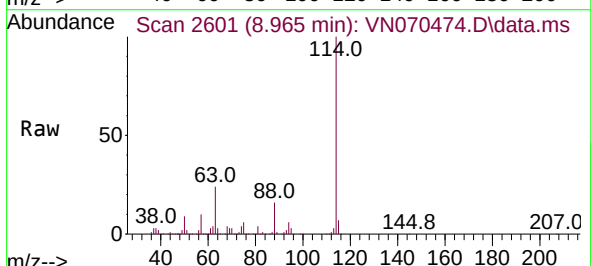
Tgt Ion: 114 Resp: 1623563

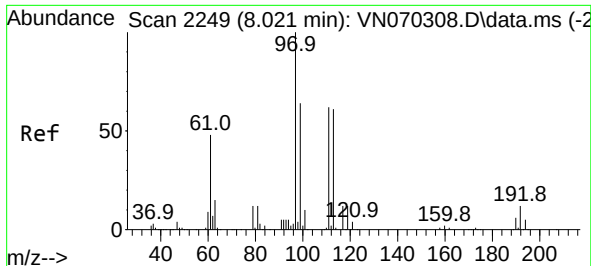
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.2 0.0 27.4

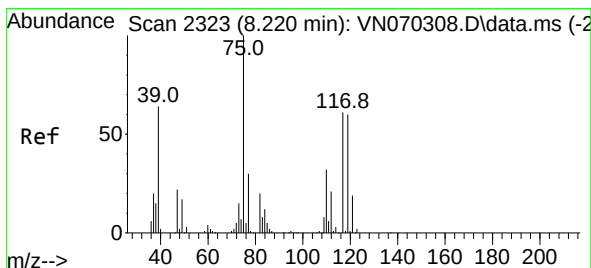
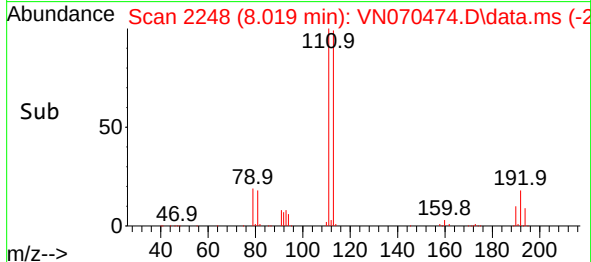
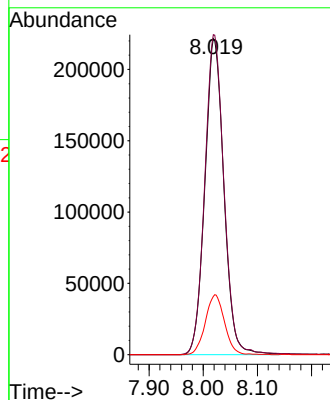
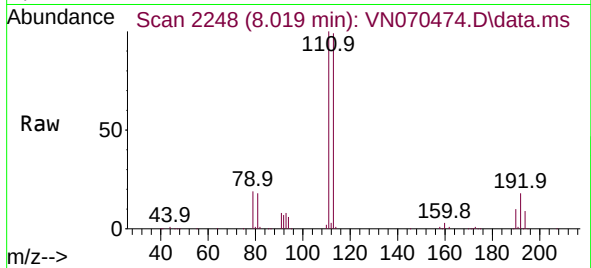




#35
Dibromofluoromethane
Concen: 54.897 ug/l
RT: 8.019 min Scan# 211
Delta R.T. -0.002 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

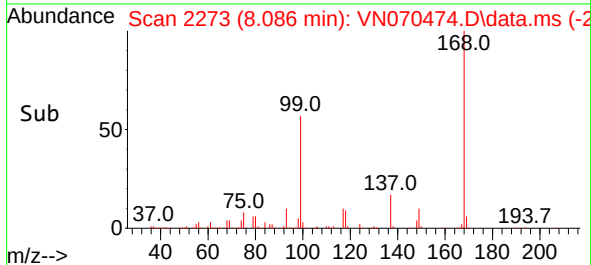
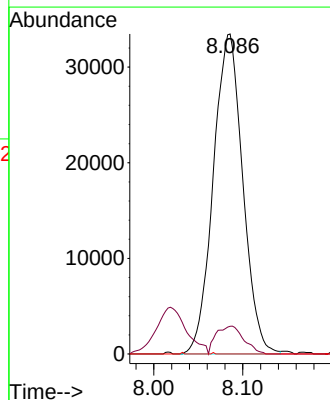
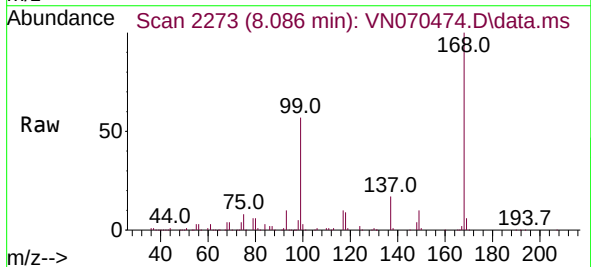
Instrument :
MSVOA_N
ClientSampleId :

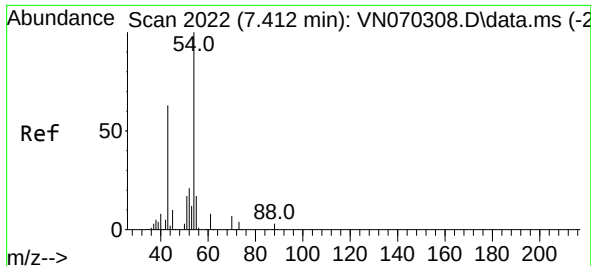
Tgt Ion:113 Resp: 539273
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 75 Resp: 77078
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#

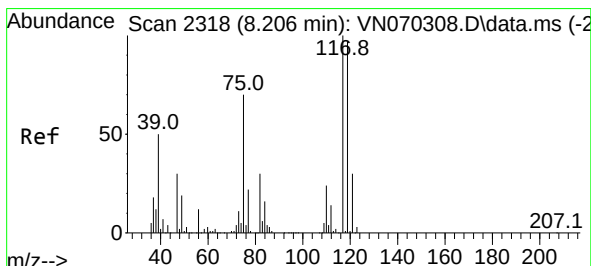
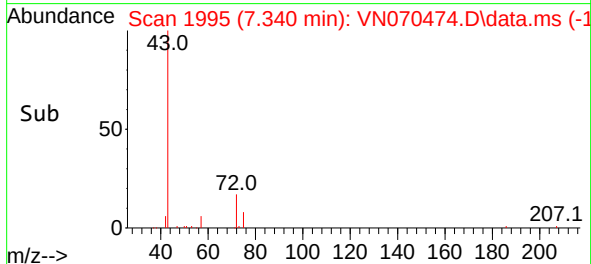
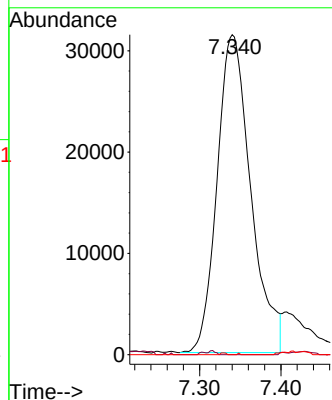
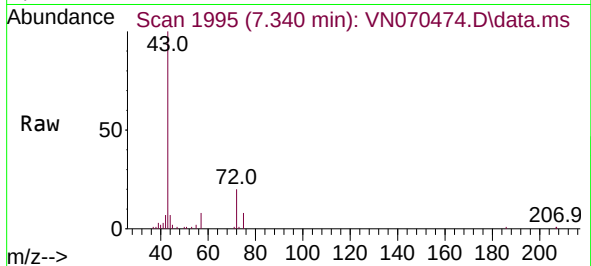




#37
Ethyl Acetate
Concen: 4.294 ug/l
RT: 7.340 min Scan# 19
Delta R.T. -0.072 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

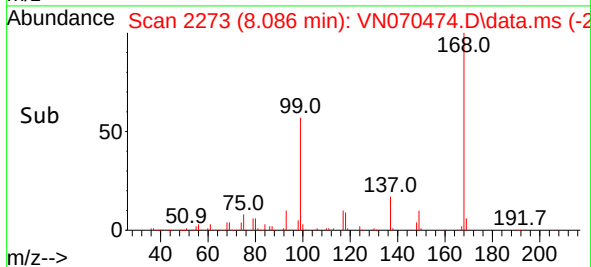
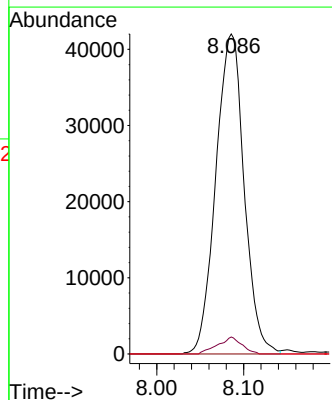
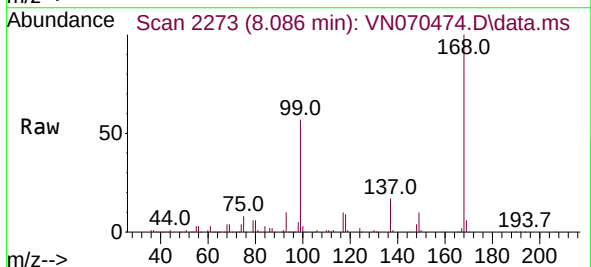
Instrument :
MSVOA_N
ClientSampleId :

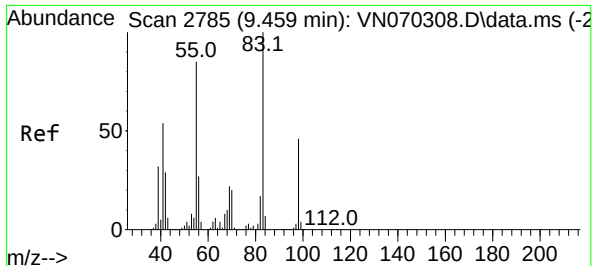
Tgt Ion: 43 Resp: 90444
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

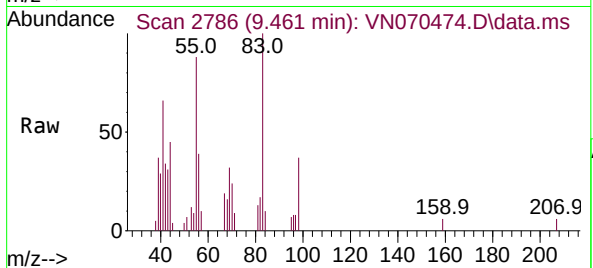
Tgt Ion: 117 Resp: 95146
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



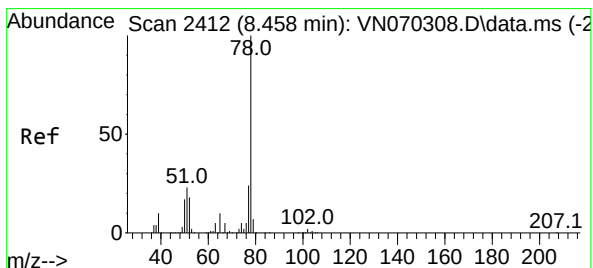
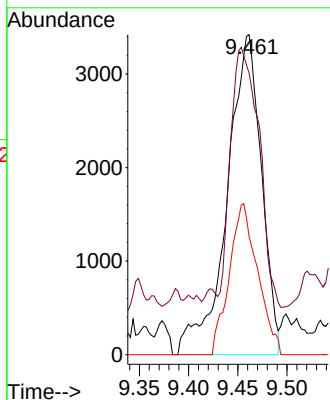
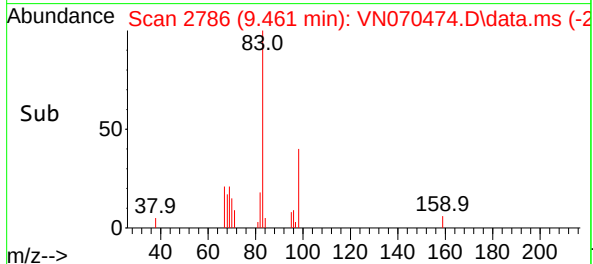


#39
Methylcyclohexane
Concen: 0.423 ug/l
RT: 9.461 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Instrument :
MSVOA_N
ClientSampleId :

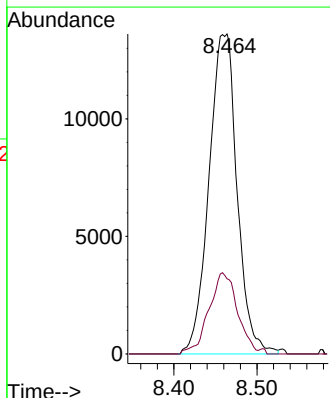
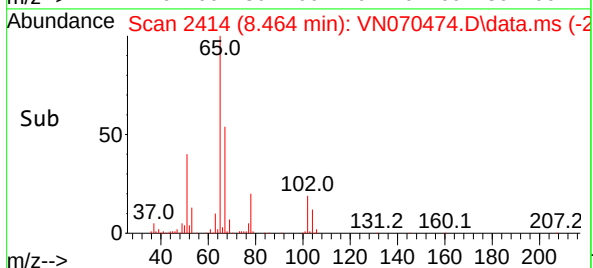
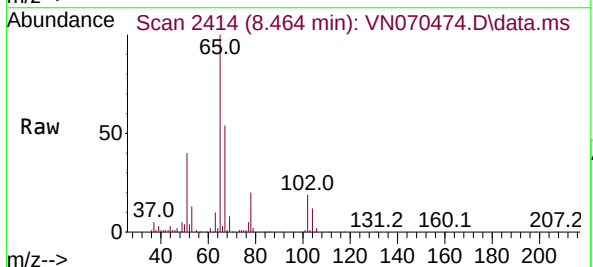


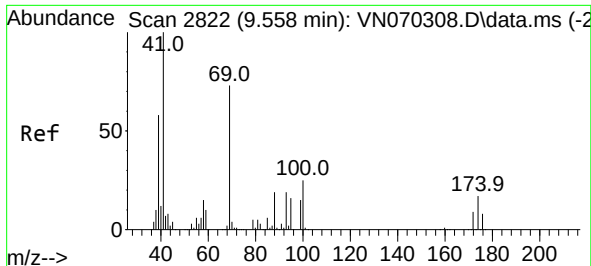
Tgt Ion: 83 Resp: 8317
Ion Ratio Lower Upper
83 100
55 71.7 58.1 87.1
98 37.1 38.4 57.6#



#40
Benzene
Concen: 0.645 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.006 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 78 Resp: 32123
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8

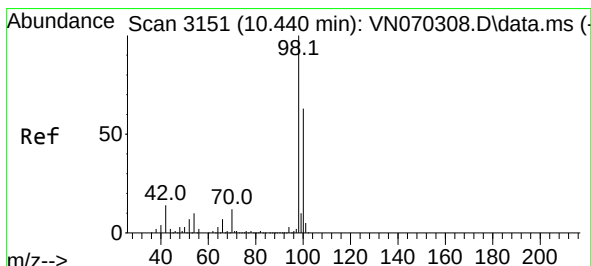
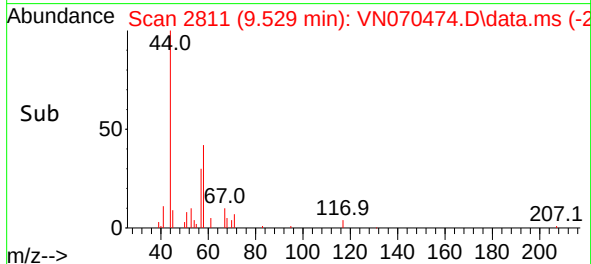
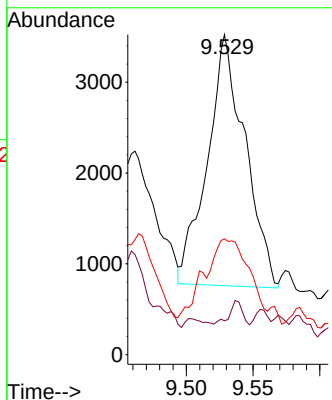
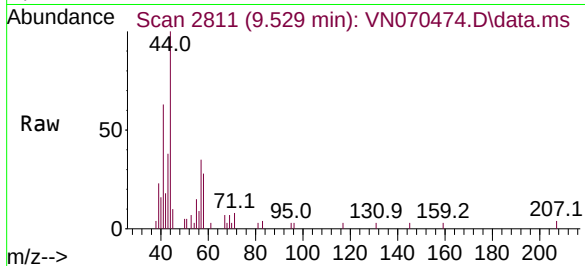




#48
Methyl methacrylate
Concen: 0.343 ug/l
RT: 9.529 min Scan# 2811
Delta R.T. -0.029 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

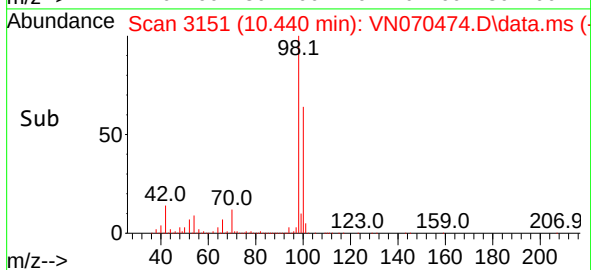
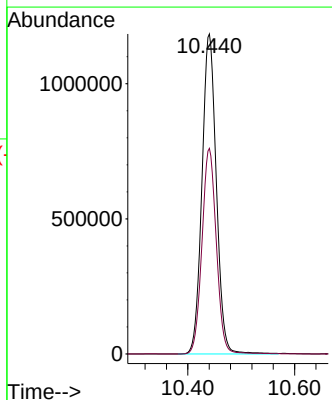
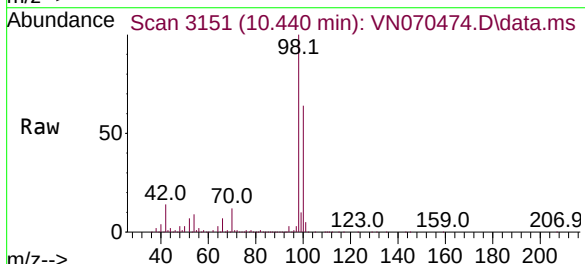
Instrument :
MSVOA_N
ClientSampleId :

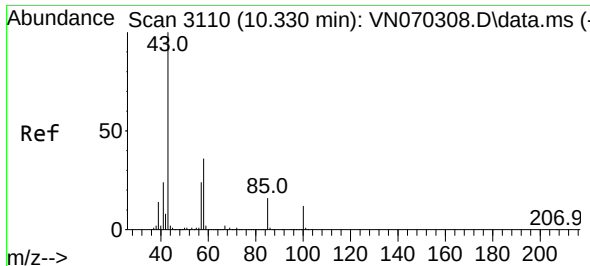
Tgt Ion: 41 Resp: 5439
Ion Ratio Lower Upper
41 100
69 3.2 72.4 108.6#
39 35.6 58.4 87.6#



#50
Toluene-d8
Concen: 55.026 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 98 Resp: 2208156
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

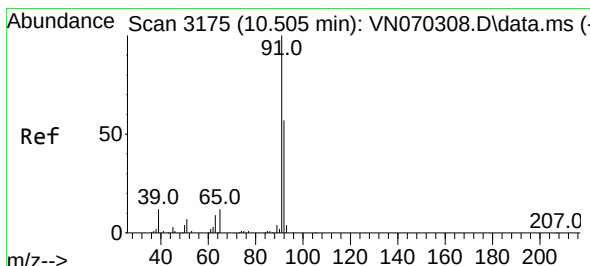
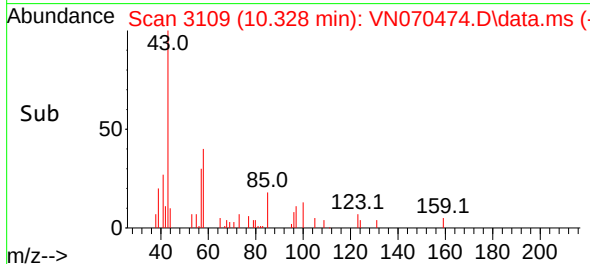
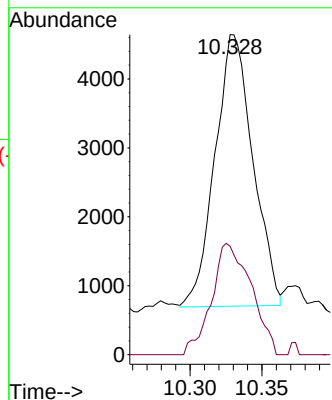
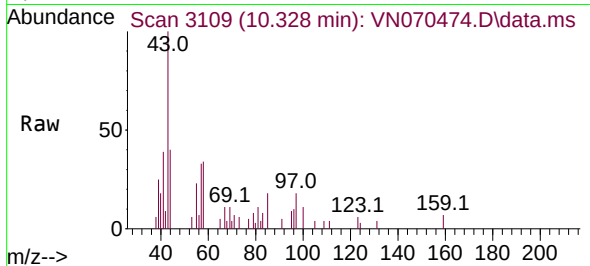




#51
4-Methyl-2-Pentanone
Concen: 0.347 ug/l
RT: 10.328 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

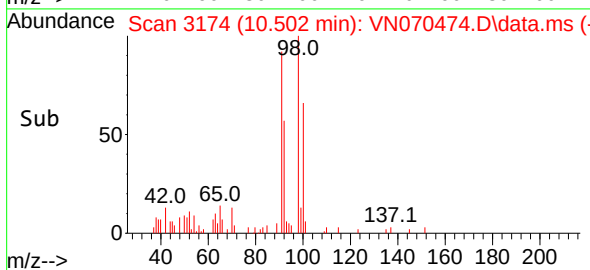
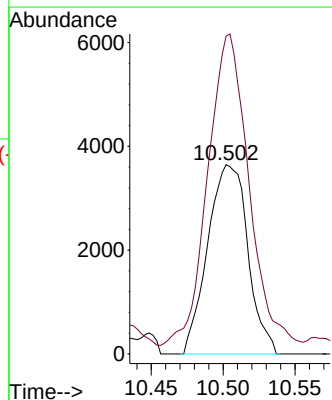
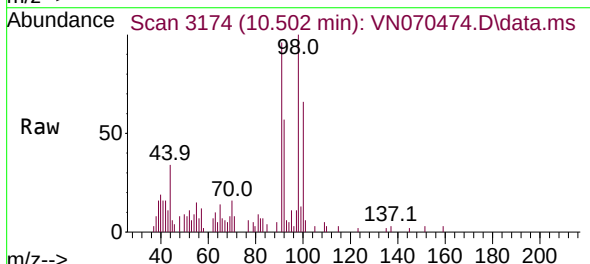
Instrument :
MSVOA_N
ClientSampleId :

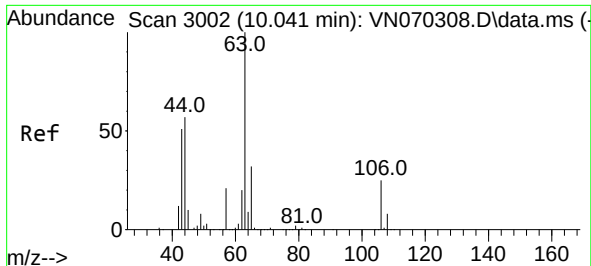
Tgt Ion: 43 Resp: 7239
Ion Ratio Lower Upper
43 100
58 42.6 30.4 45.6



#52
Toluene
Concen: 0.234 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion: 92 Resp: 7064
Ion Ratio Lower Upper
92 100
91 167.4 142.0 213.0

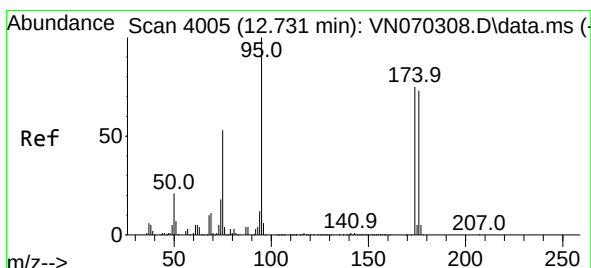
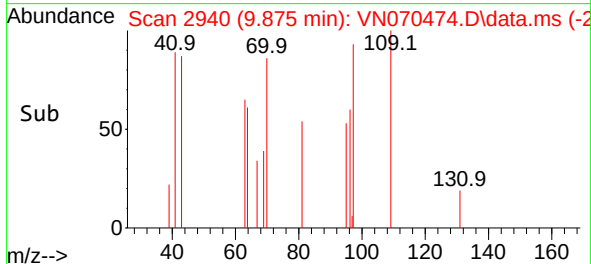
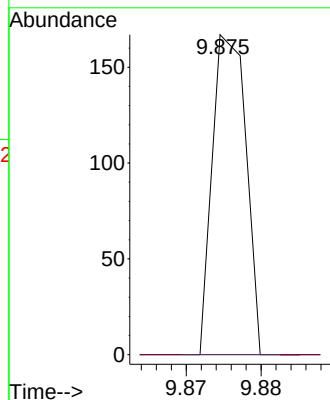
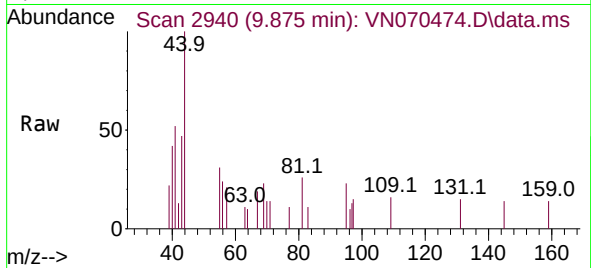




#58
2-Chloroethyl Vinyl ether
Concen: 18.523 ug/l
RT: 9.875 min Scan# 2940
Delta R.T. -0.166 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

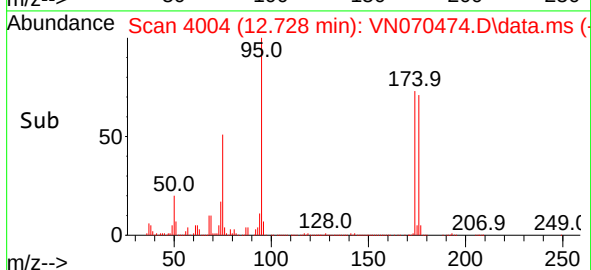
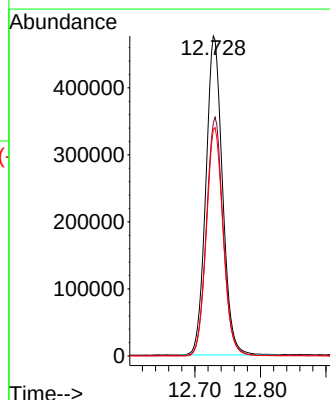
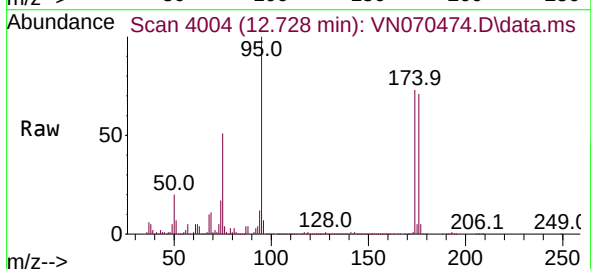
Instrument :
MSVOA_N
ClientSampleId :

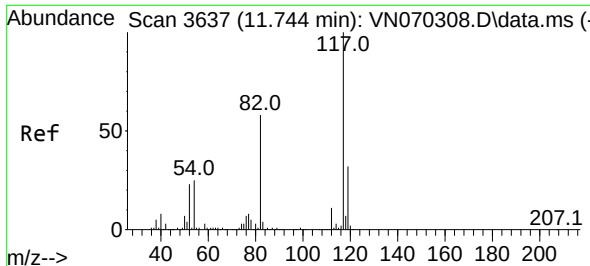
Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#62
4-Bromofluorobenzene
Concen: 57.759 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

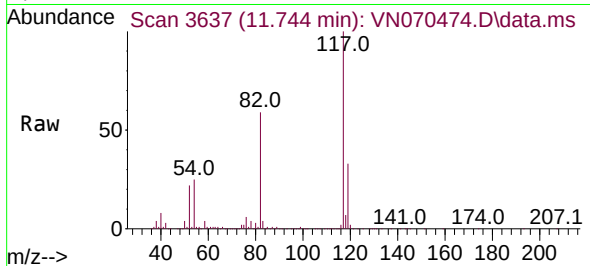
Tgt Ion: 95 Resp: 837160
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.6 0.0 181.4



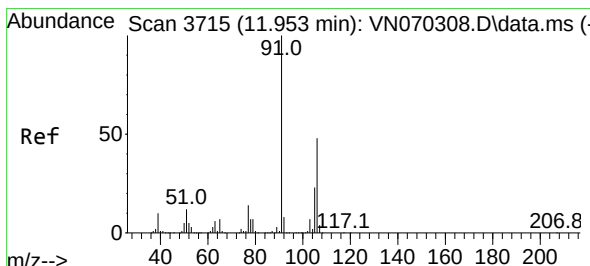
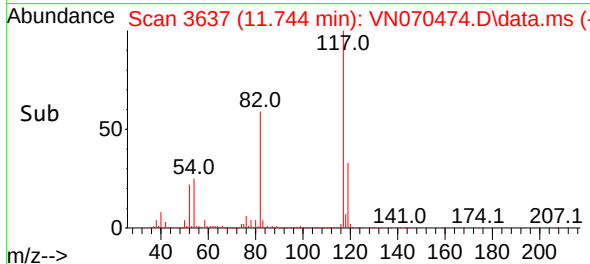
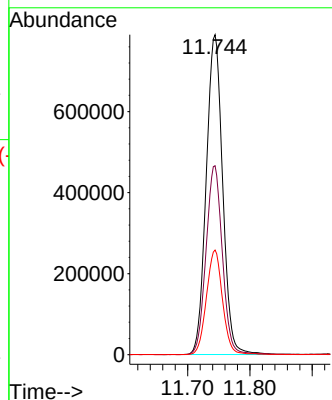


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Instrument :
MSVOA_N
ClientSampleId :

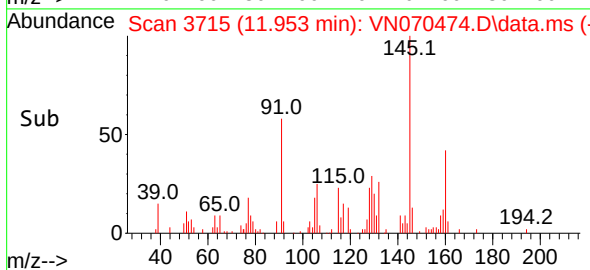
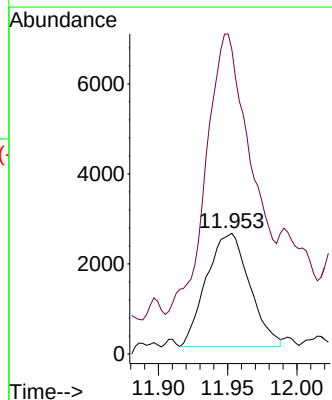
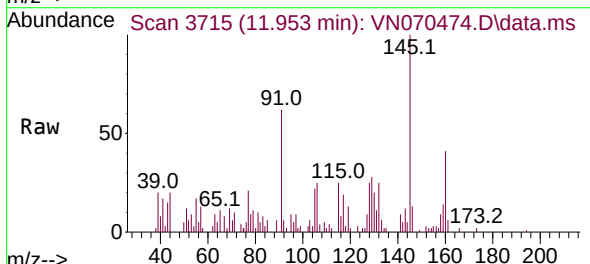


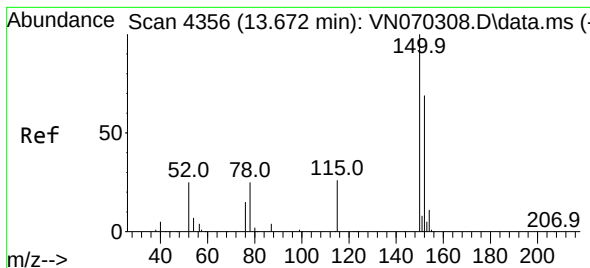
Tgt Ion:117 Resp: 1449098
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.7 25.4 38.2



#68
m/p-Xylenes
Concen: 0.267 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion:106 Resp: 5465
Ion Ratio Lower Upper
106 100
91 259.5 160.6 240.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 41

Delta R.T. 0.000 min

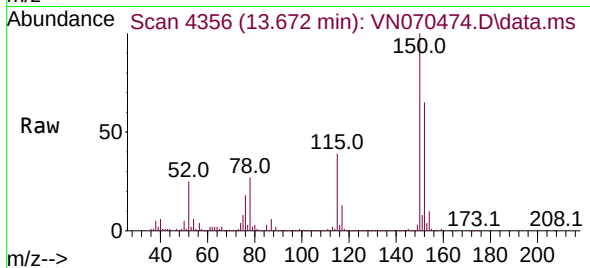
Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Instrument :

MSVOA_N

ClientSampleId :



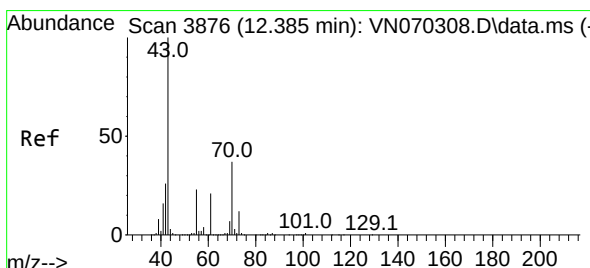
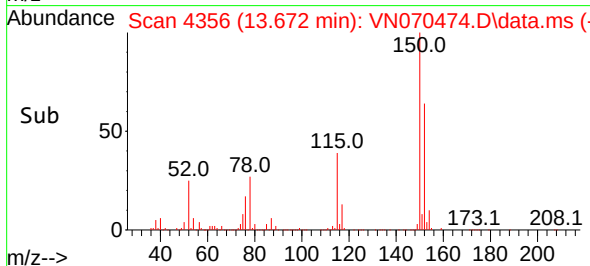
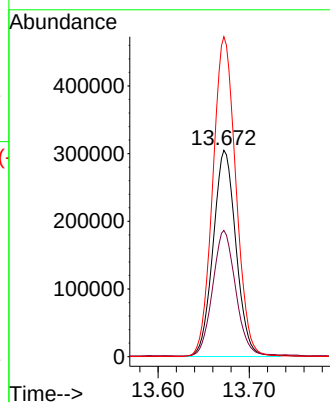
Tgt Ion:152 Resp: 530261

Ion Ratio Lower Upper

152 100

115 61.3 27.5 82.5

150 156.6 0.0 344.4



#74

N-ethyl acetate

Concen: 0.495 ug/l

RT: 12.345 min Scan# 3861

Delta R.T. -0.040 min

Lab File: VN070474.D

Acq: 4 Jan 2022 19:40

Tgt Ion: 43 Resp: 10259

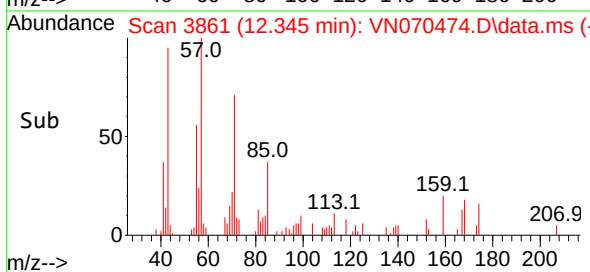
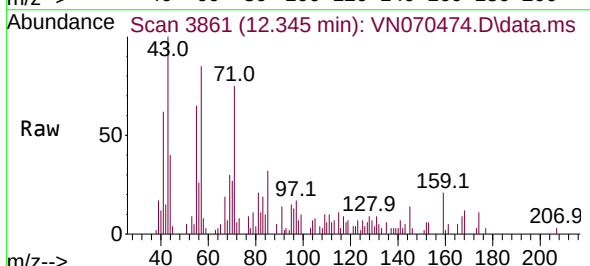
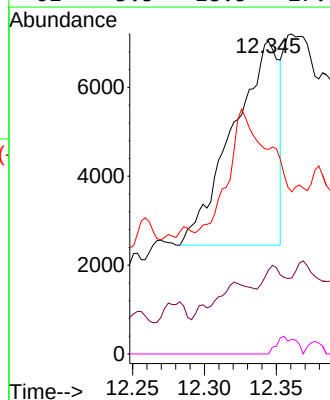
Ion Ratio Lower Upper

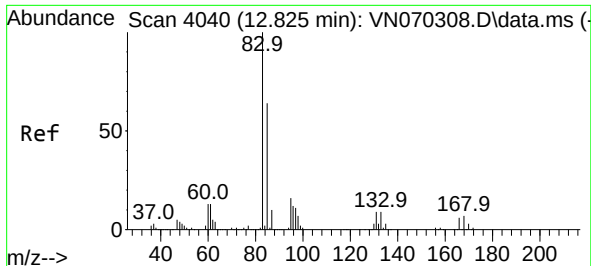
43 100

70 5.4 33.4 50.0#

55 0.0 19.3 28.9#

61 3.5 18.5 27.7#

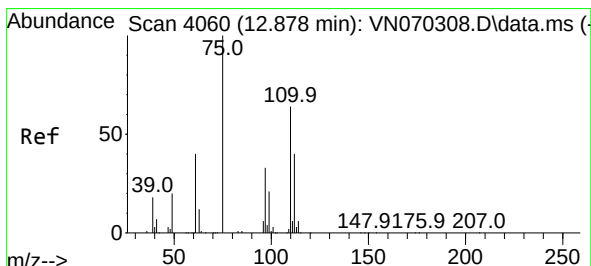
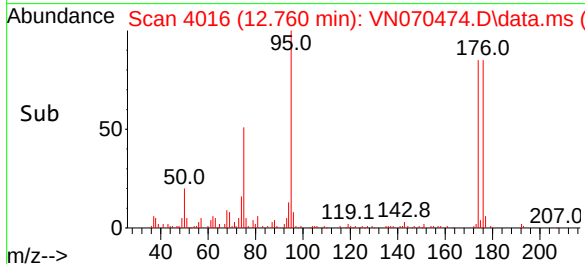
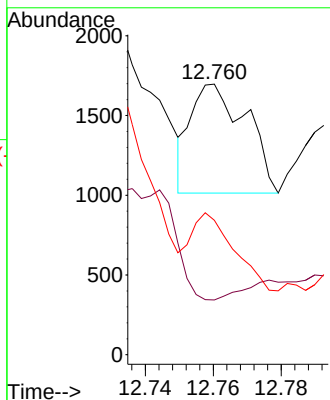
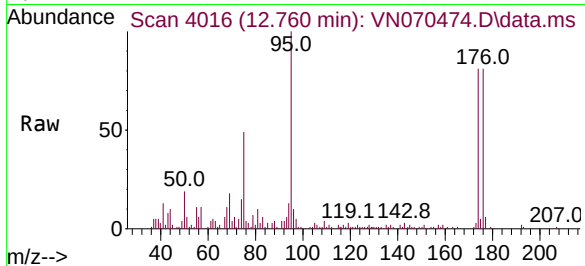




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.490 ug/l
 RT: 12.760 min Scan# 4016
 Delta R.T. -0.065 min
 Lab File: VN070474.D
 Acq: 4 Jan 2022 19:40

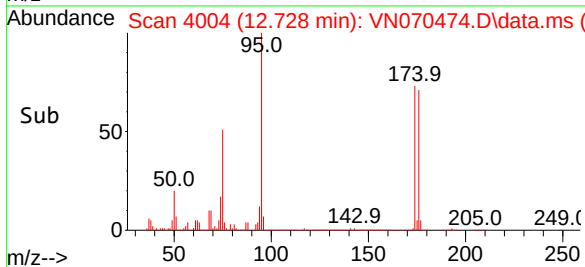
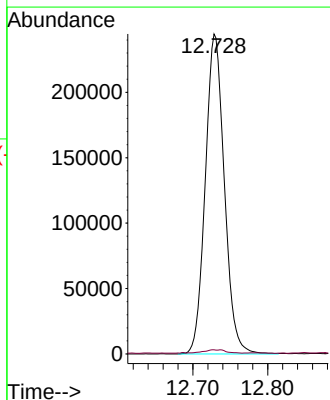
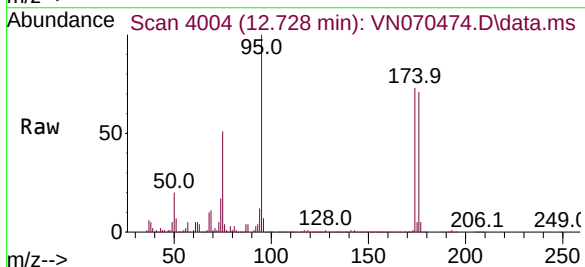
Instrument :
 MSVOA_N
 ClientSampleId :

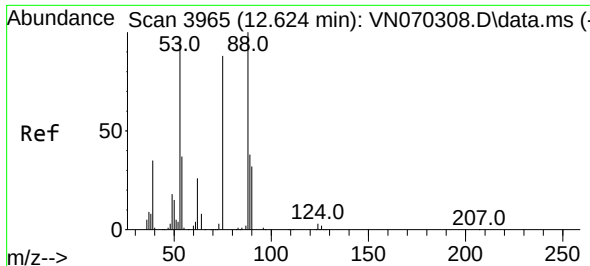
Tgt Ion: 83 Resp: 776
 Ion Ratio Lower Upper
 83 100
 131 13.9 5.5 16.5
 85 56.1 32.4 97.2



#76
 1,2,3-Trichloropropane
 Concen: 28.810 ug/l
 RT: 12.728 min Scan# 4004
 Delta R.T. -0.150 min
 Lab File: VN070474.D
 Acq: 4 Jan 2022 19:40

Tgt Ion: 75 Resp: 433031
 Ion Ratio Lower Upper
 75 100
 77 0.7 82.6 247.8#

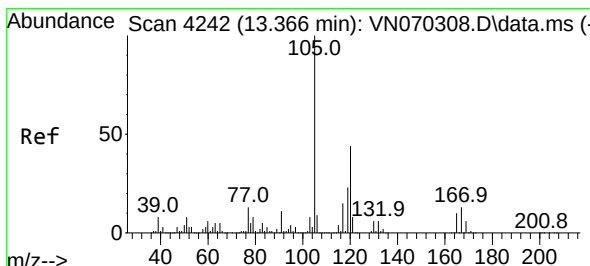
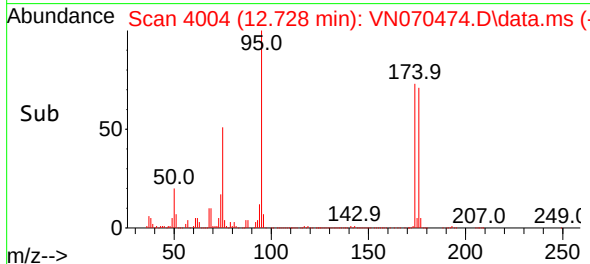
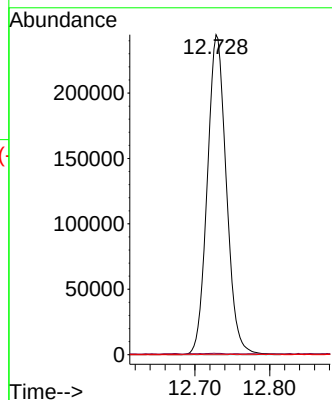
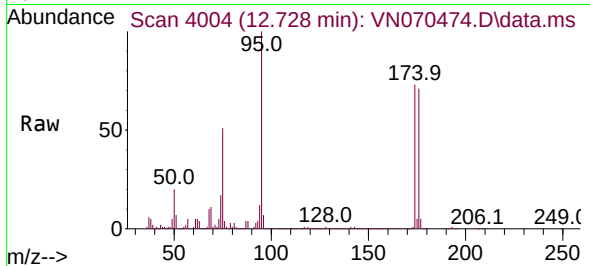




#81
trans-1,4-Dichloro-2-butene
Concen: 99.774 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

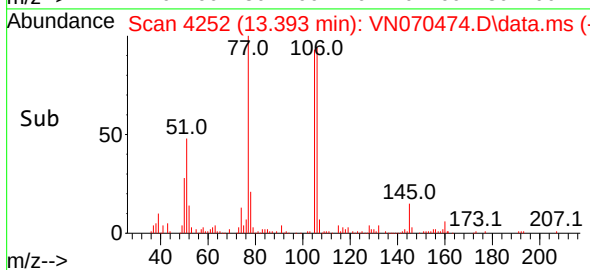
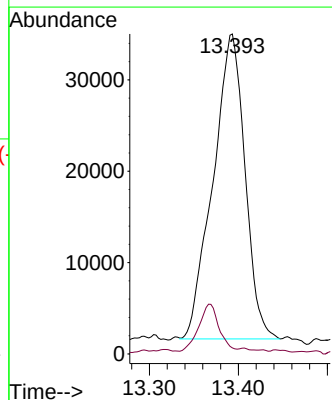
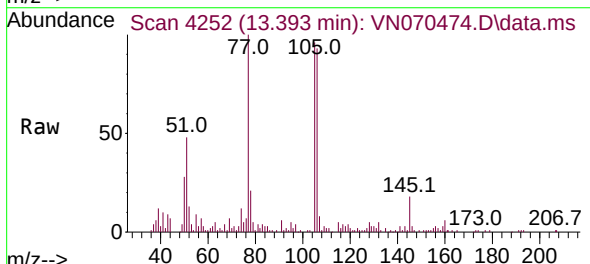
Instrument :
MSVOA_N
ClientSampleId :

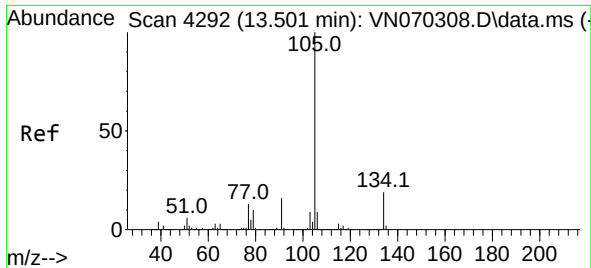
Tgt Ion: 75 Resp: 433031
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.193 ug/l
RT: 13.393 min Scan# 4252
Delta R.T. 0.027 min
Lab File: VN070474.D
Acq: 4 Jan 2022 19:40

Tgt Ion:105 Resp: 83312
Ion Ratio Lower Upper
105 100
120 0.0 22.8 68.4#

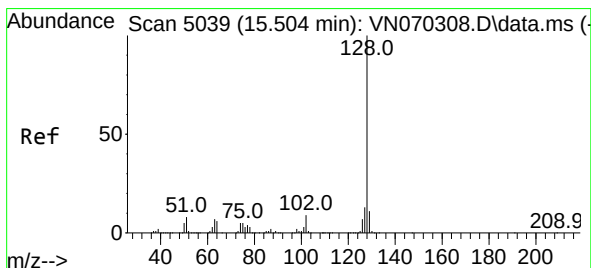
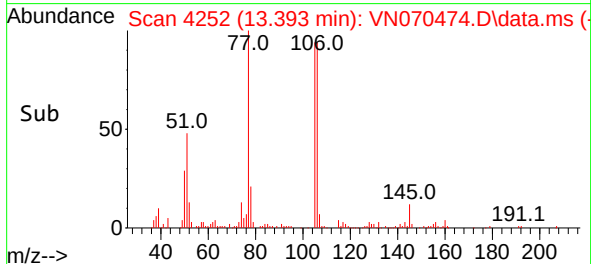
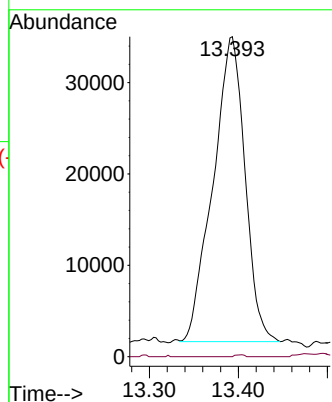
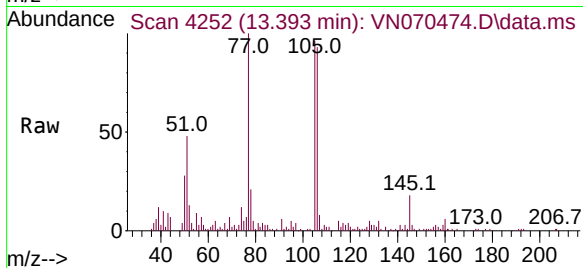




#85
 sec-Butylbenzene
 Concen: 1.766 ug/l
 RT: 13.393 min Scan# 41
 Delta R.T. -0.108 min
 Lab File: VN070474.D
 Acq: 4 Jan 2022 19:40

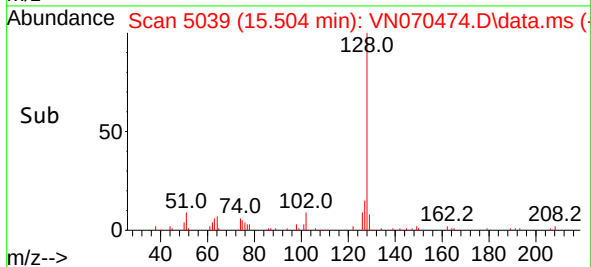
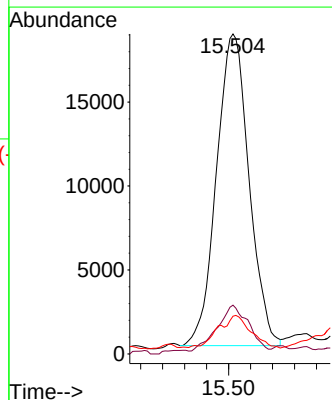
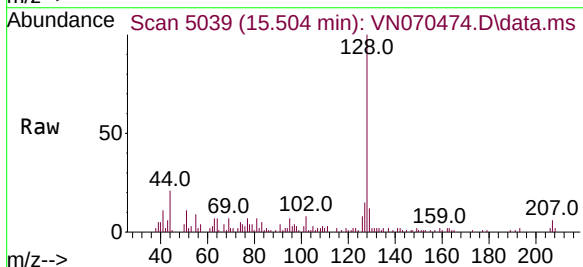
Instrument :
 MSVOA_N
 ClientSampleId :

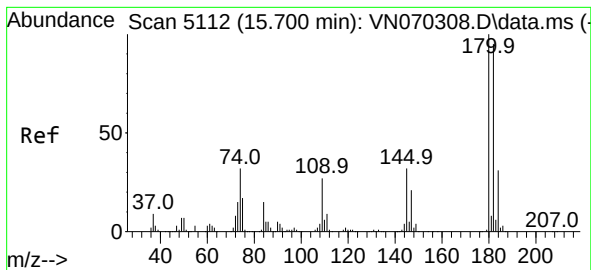
Tgt Ion:105 Resp: 83312
 Ion Ratio Lower Upper
 105 100
 134 0.2 10.4 31.1#



#95
 Naphthalene
 Concen: 3.319 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.000 min
 Lab File: VN070474.D
 Acq: 4 Jan 2022 19:40

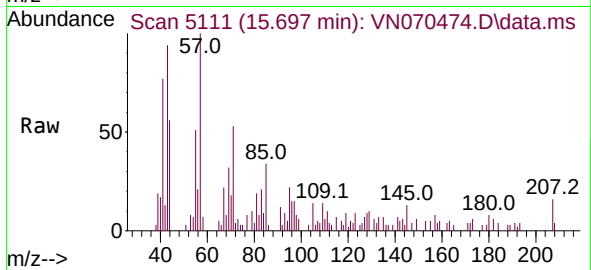
Tgt Ion:128 Resp: 38138
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.5 15.7
 129 10.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.912 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070474.D
 Acq: 4 Jan 2022 19:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	728
Ion	Ratio	Lower	Upper
180	100		
182	100.5	47.4	142.2
145	39.4	15.0	45.1

