

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070520.D
 Acq On : 6 Jan 2022 15:36
 Operator : JC/MD
 Sample : N1012-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:39:36 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

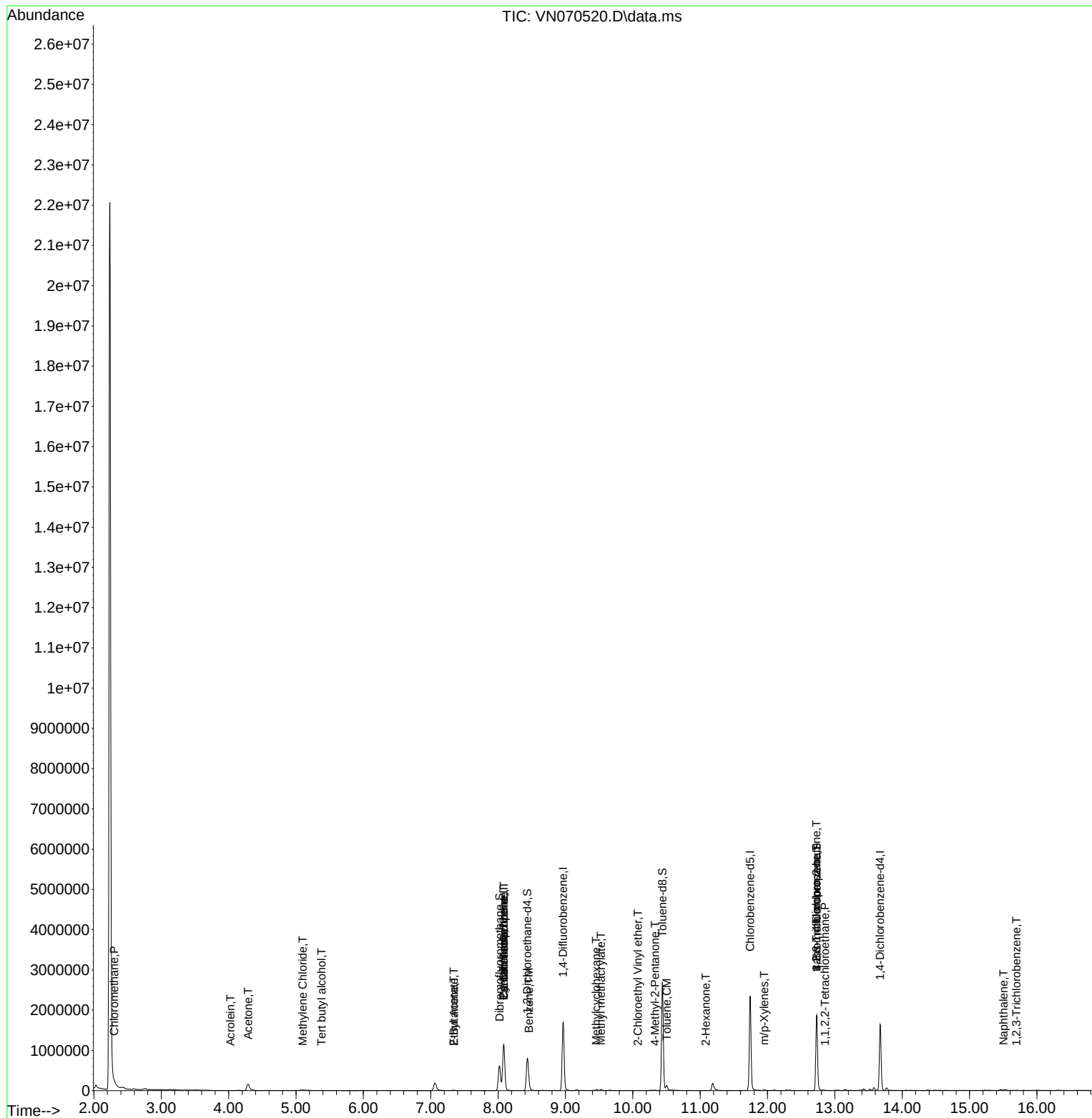
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.083	168	883024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1494365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1348655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	461609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	657161	51.760	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 103.520%		
35) Dibromofluoromethane	8.021	113	460803	50.964	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.920%		
50) Toluene-d8	10.440	98	1867556	50.562	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.120%		
62) 4-Bromofluorobenzene	12.731	95	685654	51.396	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 102.800%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	5857	0.430	ug/l #	74
11) Tert butyl alcohol	5.380	59	8652	4.093	ug/l #	83
13) Acrolein	4.028	56	360	0.210	ug/l	84
16) Acetone	4.288	43	308106	37.383	ug/l	97
20) Methylene Chloride	5.101	84	8205	0.720	ug/l	89
25) 2-Butanone	7.343	43	17999	1.734	ug/l	96
31) Cyclohexane	8.083	56	26065	1.301	ug/l #	12
36) 1,1-Dichloropropene	8.083	75	70358	4.704	ug/l #	43
37) Ethyl Acetate	7.343	43	17999	0.928	ug/l #	68
38) Carbon Tetrachloride	8.086	117	84935	5.947	ug/l #	16
39) Methylcyclohexane	9.456	83	6331	0.350	ug/l	93
40) Benzene	8.458	78	56135	1.224	ug/l	100
48) Methyl methacrylate	9.529	41	7982	0.547	ug/l #	34
51) 4-Methyl-2-Pentanone	10.328	43	9965	0.519	ug/l	94
52) Toluene	10.502	92	48899	1.762	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.076	63	52	18.523	ug/l #	45
59) 2-Hexanone	11.084	43	3120	0.223	ug/l	94
68) m/p-Xylenes	11.953	106	6340	0.332	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.854	83	1195	0.523	ug/l #	25
76) 1,2,3-Trichloropropane	12.728	75	352464	27.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	352464	93.289	ug/l #	5
95) Naphthalene	15.504	128	11502	2.324	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.697	180	435	0.885	ug/l #	80

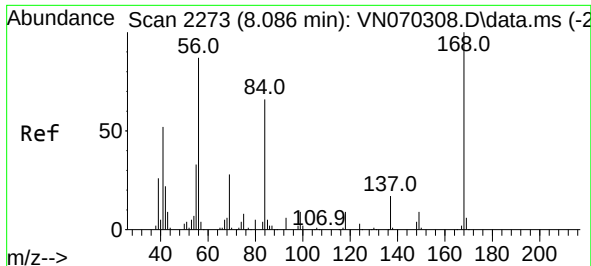
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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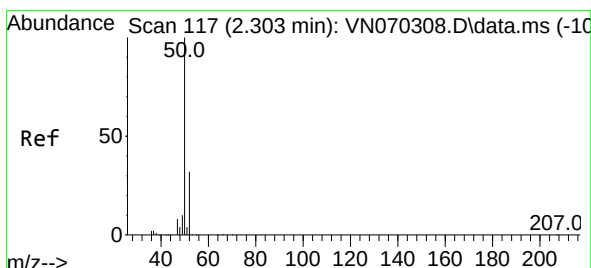
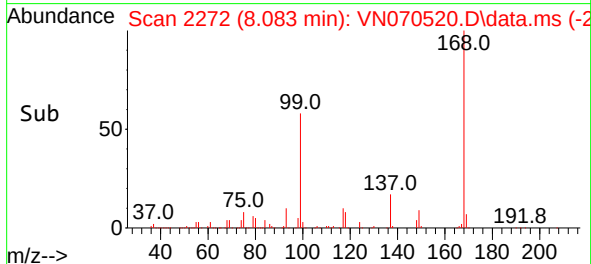
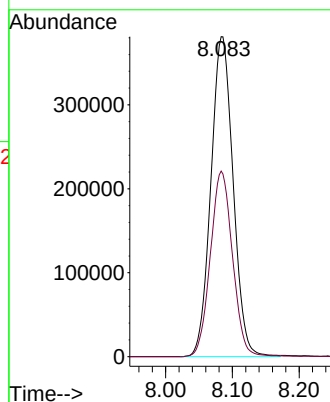
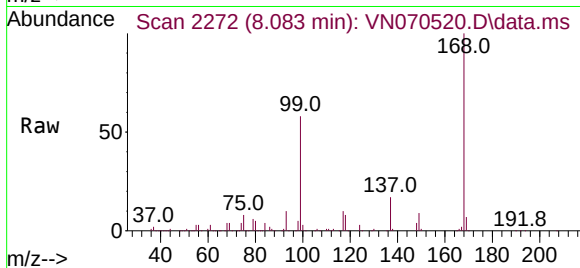




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

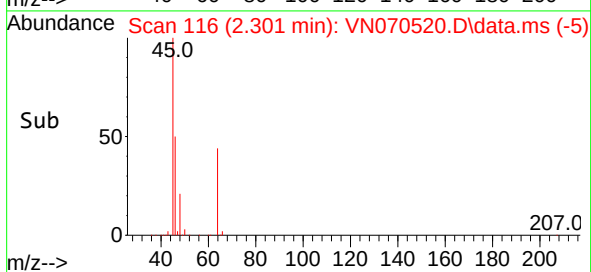
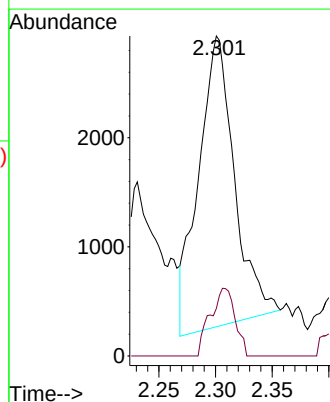
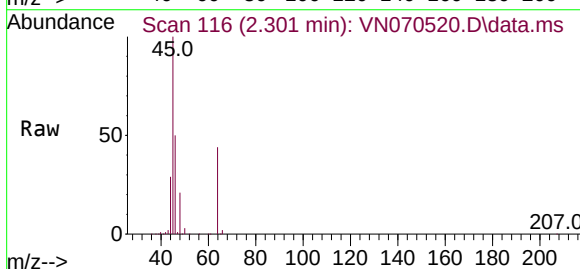
Instrument :
MSVOA_N
ClientSampleId :

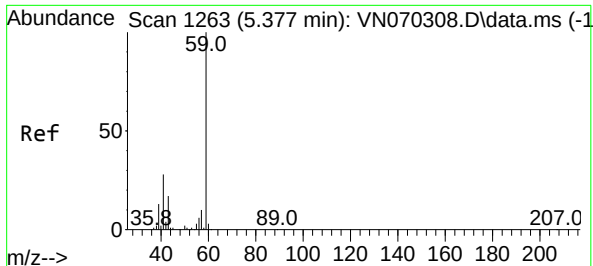
Tgt Ion:168 Resp: 883024
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 50 Resp: 5857
Ion Ratio Lower Upper
50 100
52 17.3 25.4 38.0#





#11

Tert butyl alcohol

Concen: 4.093 ug/l

RT: 5.380 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN070520.D

Acq: 6 Jan 2022 15:36

Instrument :

MSVOA_N

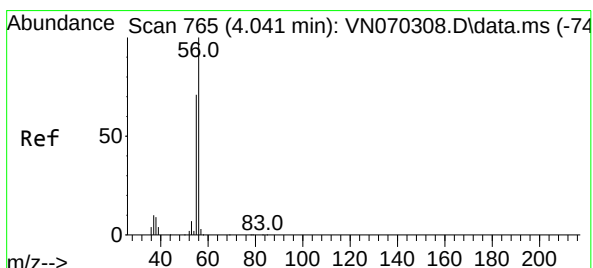
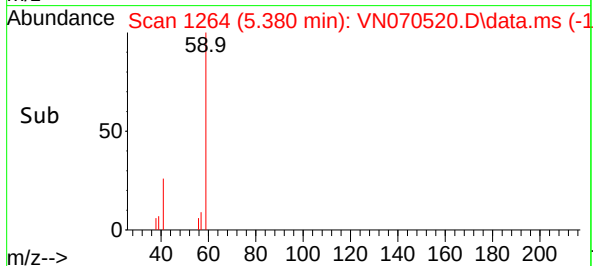
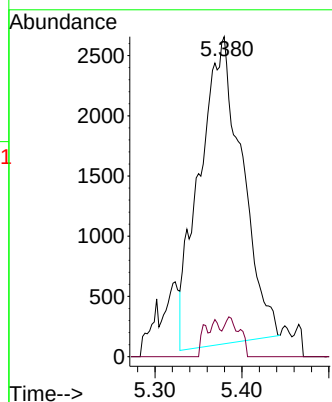
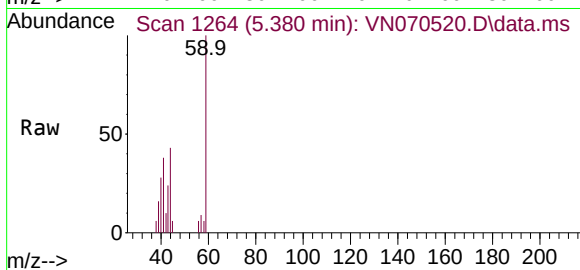
ClientSampleId :

Tgt Ion: 59 Resp: 8652

Ion Ratio Lower Upper

59 100

57 4.6 8.7 13.1#



#13

Acrolein

Concen: 0.210 ug/l

RT: 4.028 min Scan# 760

Delta R.T. -0.013 min

Lab File: VN070520.D

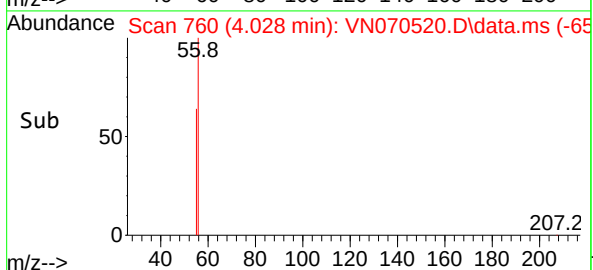
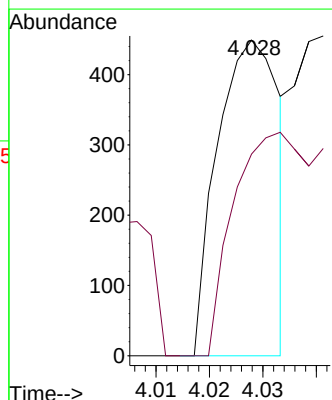
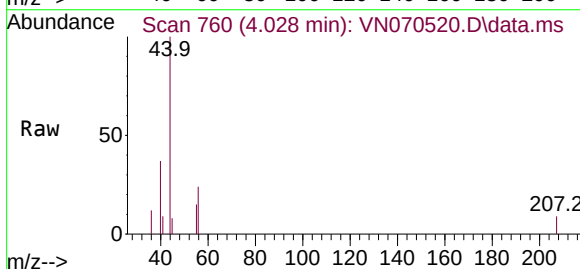
Acq: 6 Jan 2022 15:36

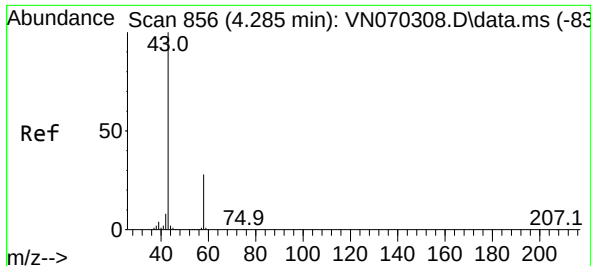
Tgt Ion: 56 Resp: 360

Ion Ratio Lower Upper

56 100

55 83.9 56.6 85.0

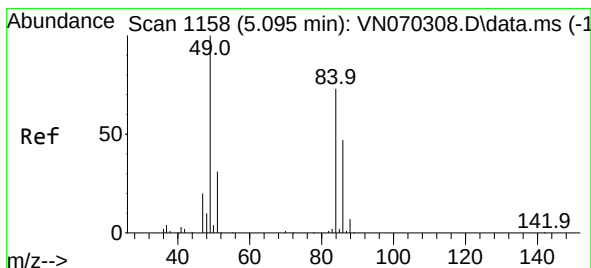
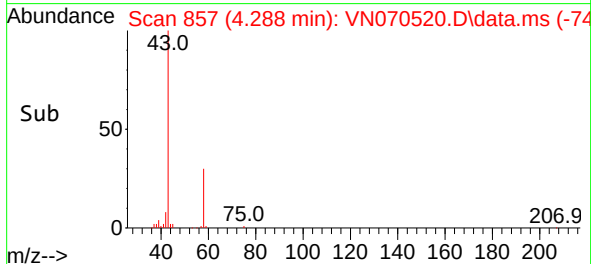
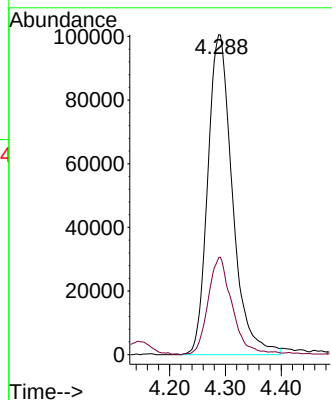
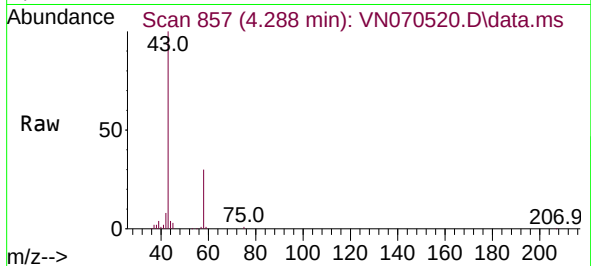




#16
Acetone
Concen: 37.383 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

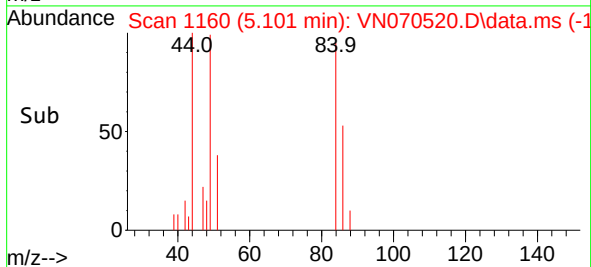
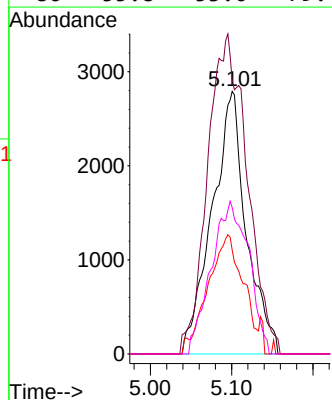
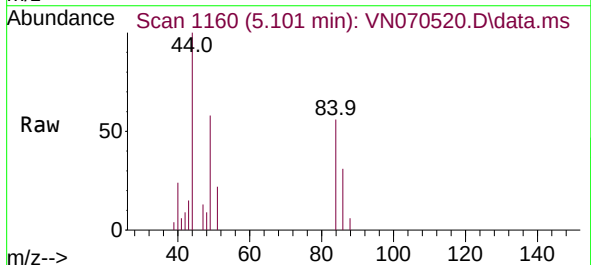
Instrument :
MSVOA_N
ClientSampleId :

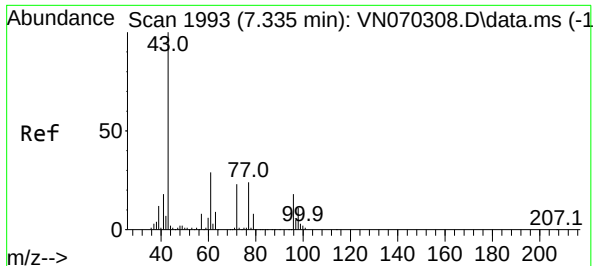
Tgt Ion: 43 Resp: 308106
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7



#20
Methylene Chloride
Concen: 0.720 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 84 Resp: 8205
Ion Ratio Lower Upper
84 100
49 104.2 93.5 140.3
51 39.5 29.4 44.2
86 55.8 53.0 79.4





#25

2-Butanone

Concen: 1.734 ug/l

RT: 7.343 min Scan# 1993

Delta R.T. 0.008 min

Lab File: VN070520.D

Acq: 6 Jan 2022 15:36

Instrument :

MSVOA_N

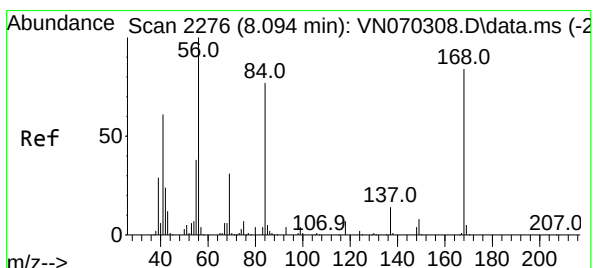
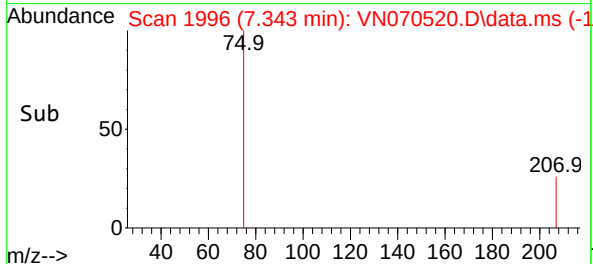
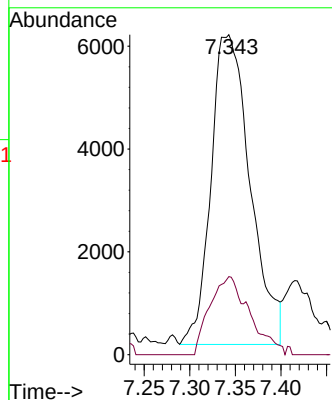
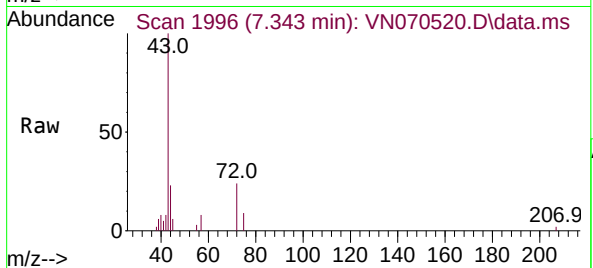
ClientSampleId :

Tgt Ion: 43 Resp: 17999

Ion Ratio Lower Upper

43 100

72 25.2 21.7 32.5



#31

Cyclohexane

Concen: 1.301 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070520.D

Acq: 6 Jan 2022 15:36

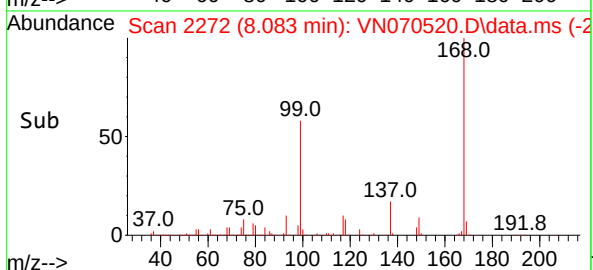
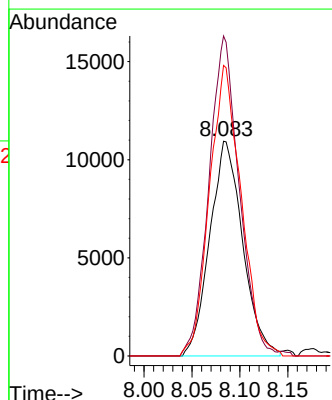
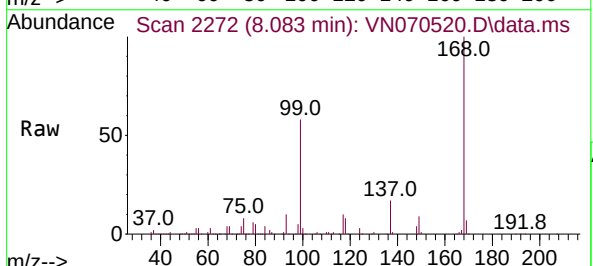
Tgt Ion: 56 Resp: 26065

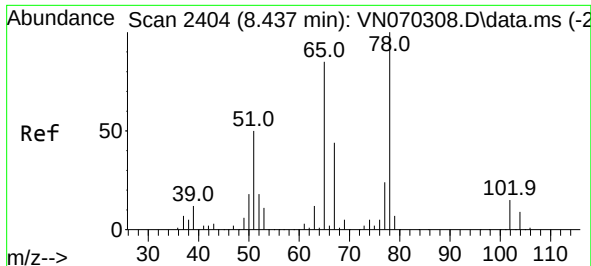
Ion Ratio Lower Upper

56 100

69 149.0 27.1 40.7#

84 135.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.760 ug/l

RT: 8.434 min Scan# 2404

Delta R.T. -0.003 min

Lab File: VN070520.D

Acq: 6 Jan 2022 15:36

Instrument :

MSVOA_N

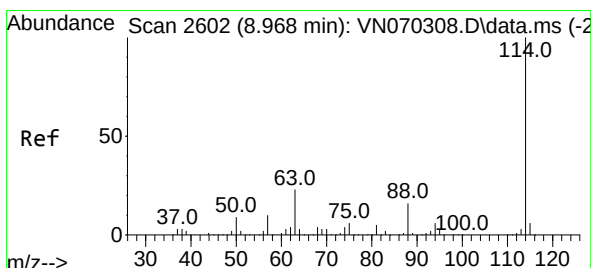
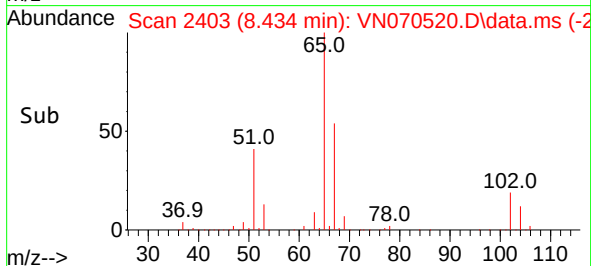
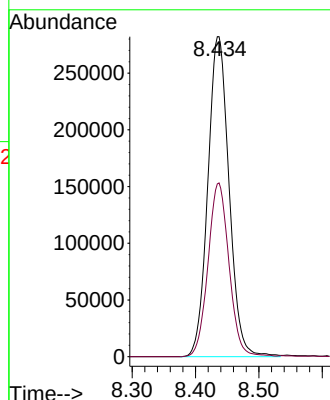
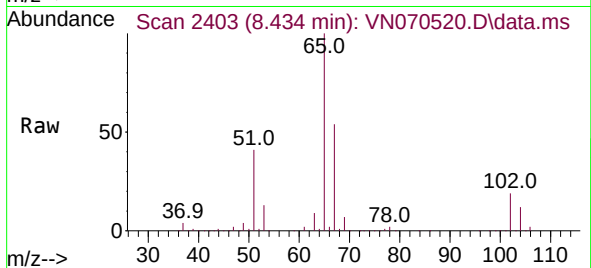
ClientSampleId :

Tgt Ion: 65 Resp: 657161

Ion Ratio Lower Upper

65 100

67 53.7 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: VN070520.D

Acq: 6 Jan 2022 15:36

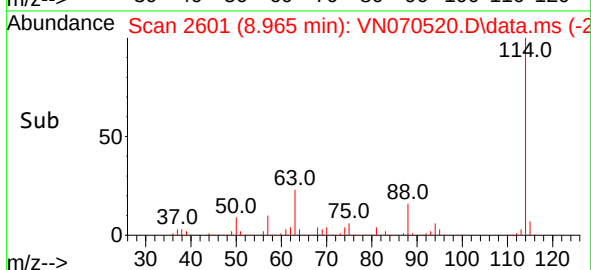
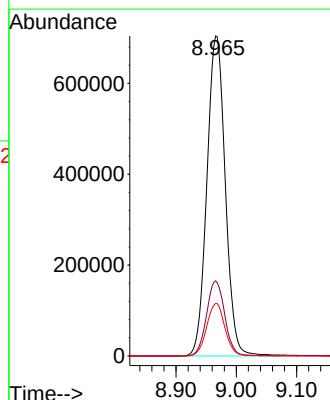
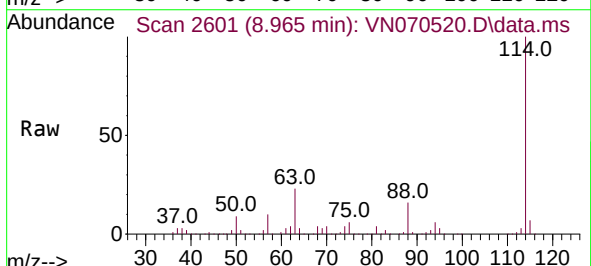
Tgt Ion: 114 Resp: 1494365

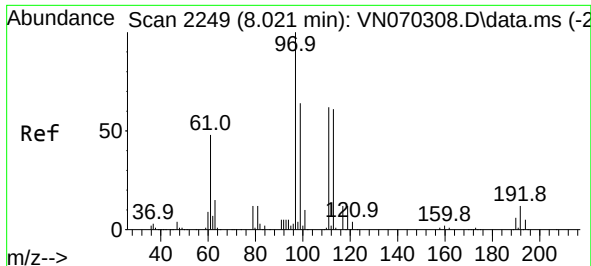
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

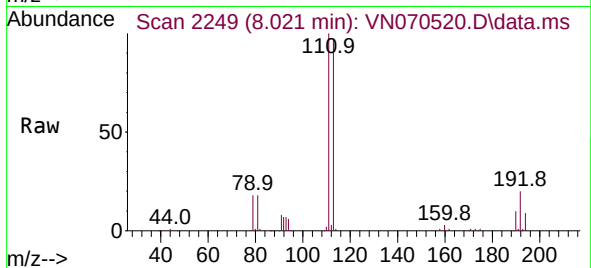
88 16.4 0.0 27.4



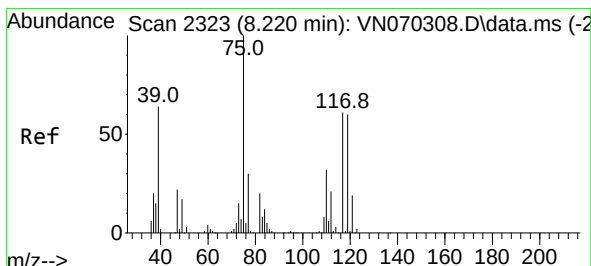
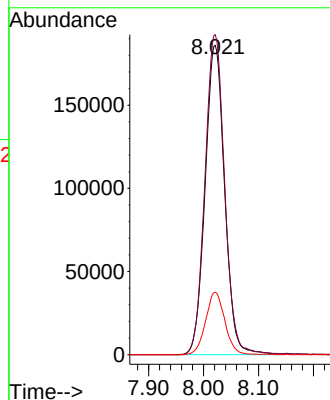
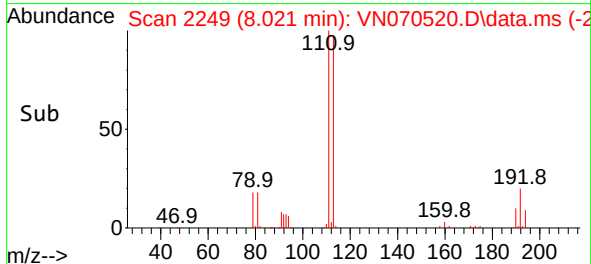


#35
Dibromofluoromethane
Concen: 50.964 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :

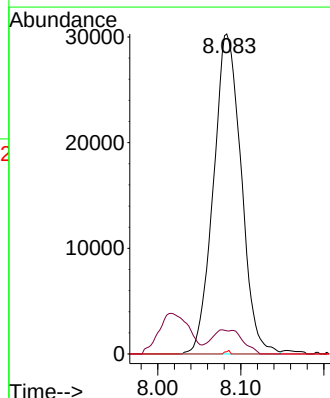
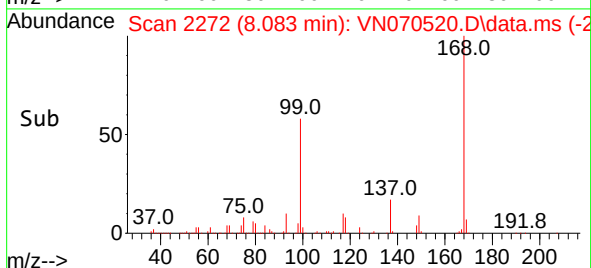
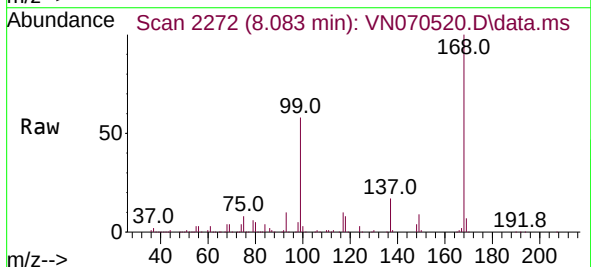


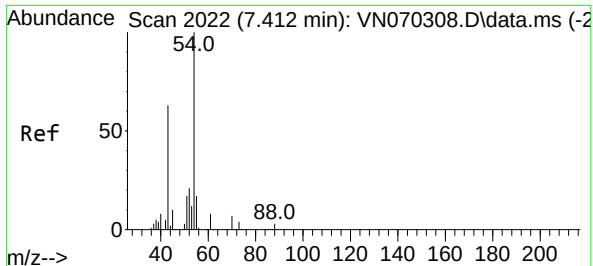
Tgt Ion:113 Resp: 460803
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

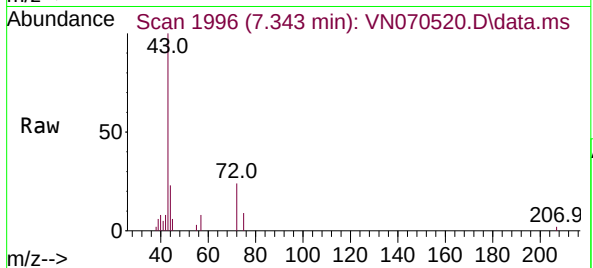
Tgt Ion: 75 Resp: 70358
Ion Ratio Lower Upper
75 100
110 2.6 18.4 55.2#
77 0.0 24.4 36.6#



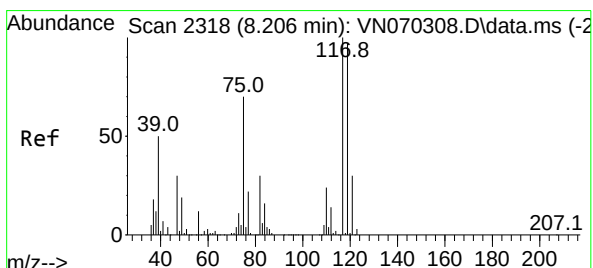
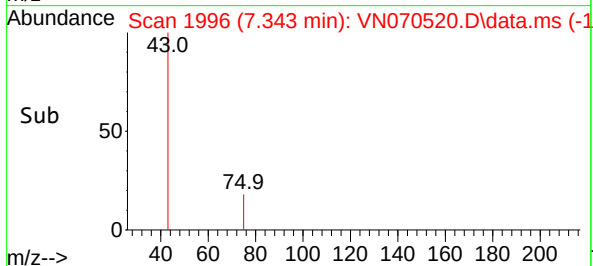
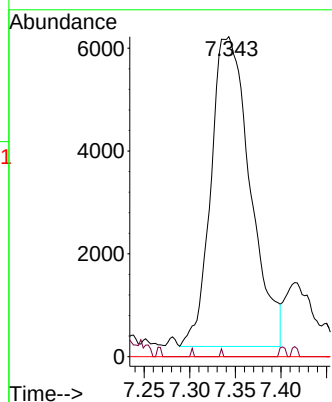


#37
Ethyl Acetate
Concen: 0.928 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.069 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :

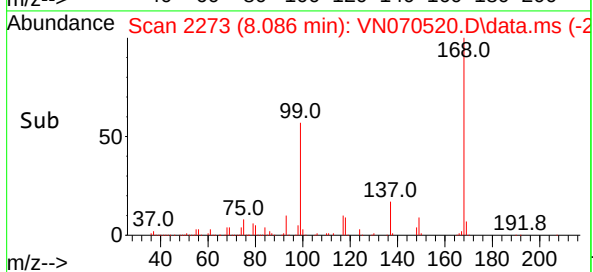
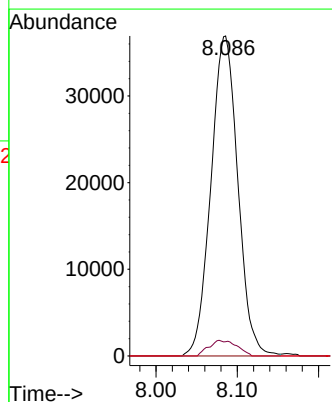
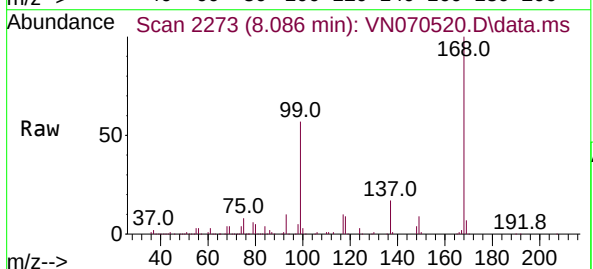


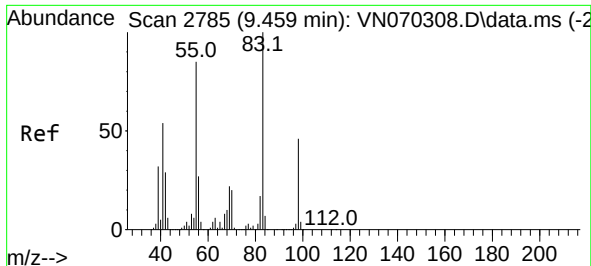
Tgt Ion: 43 Resp: 17999
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 117 Resp: 84935
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.350 ug/l

RT: 9.456 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070520.D

Acq: 6 Jan 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

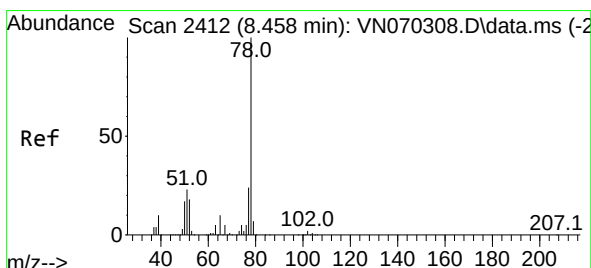
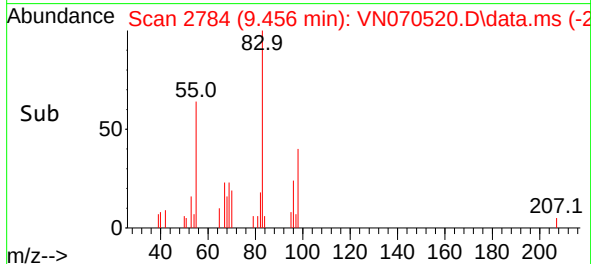
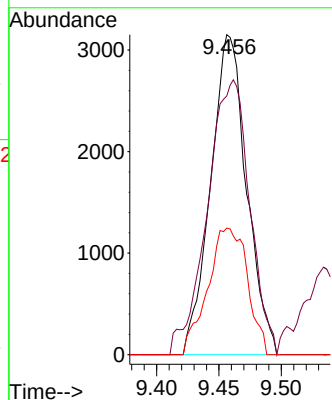
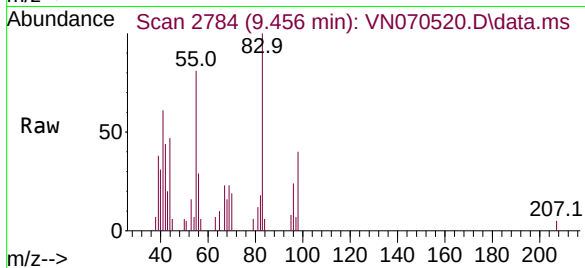
Tgt Ion: 83 Resp: 6331

Ion Ratio Lower Upper

83 100

55 75.7 58.1 87.1

98 39.5 38.4 57.6



#40

Benzene

Concen: 1.224 ug/l

RT: 8.458 min Scan# 2412

Delta R.T. 0.000 min

Lab File: VN070520.D

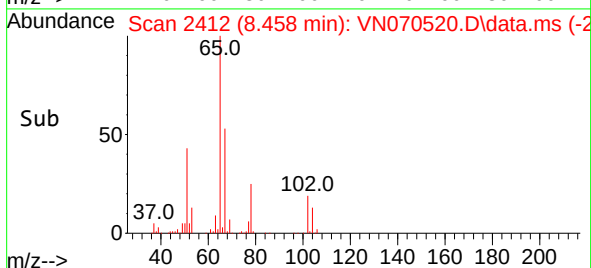
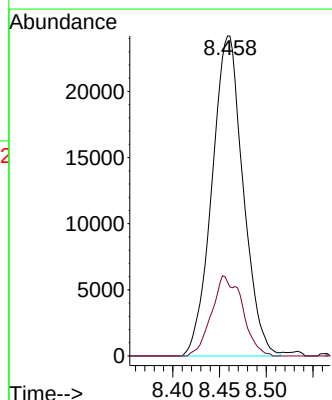
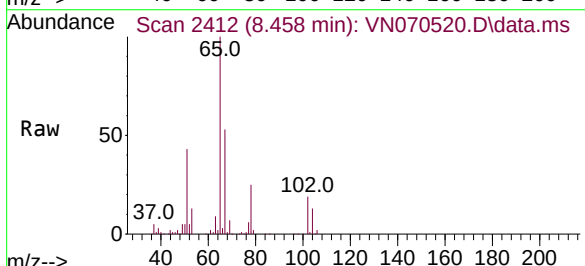
Acq: 6 Jan 2022 15:36

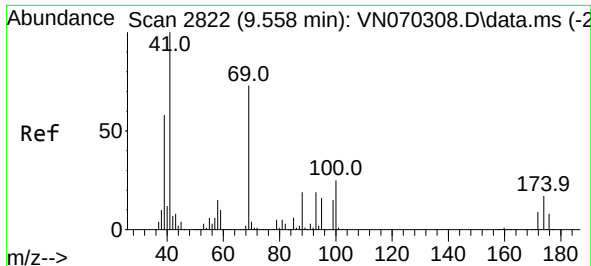
Tgt Ion: 78 Resp: 56135

Ion Ratio Lower Upper

78 100

77 23.1 18.6 27.8

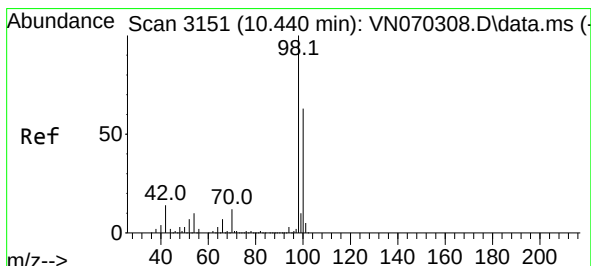
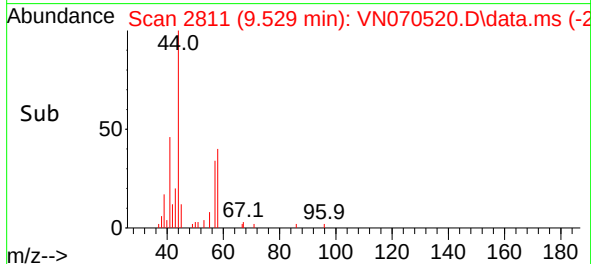
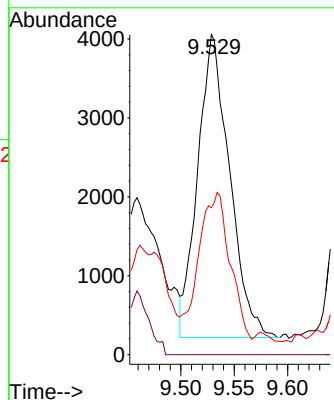
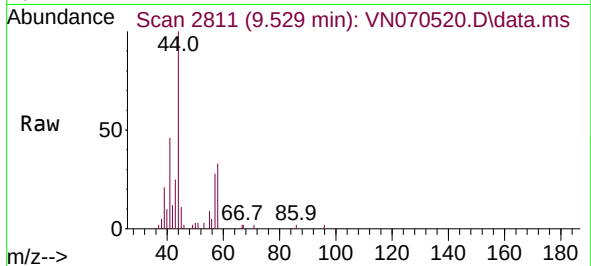




#48
Methyl methacrylate
Concen: 0.547 ug/l
RT: 9.529 min Scan# 2811
Delta R.T. -0.029 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

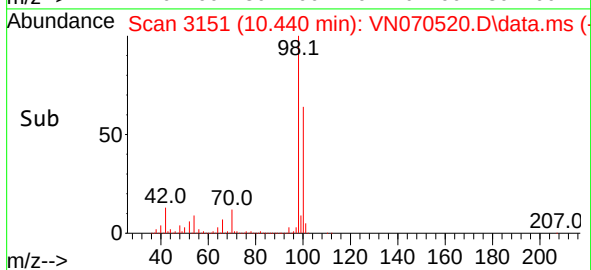
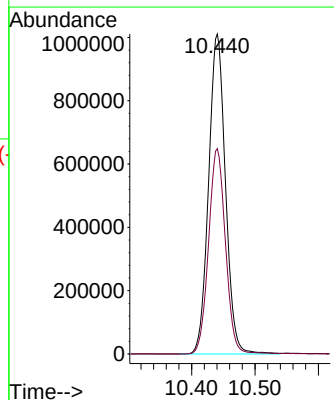
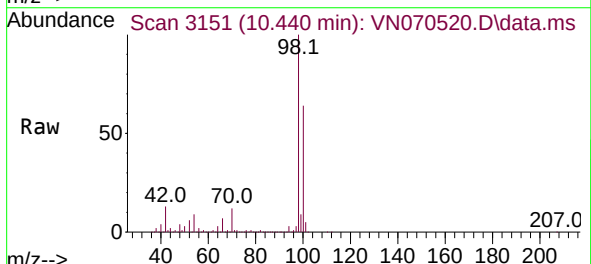
Instrument :
MSVOA_N
ClientSampleId :

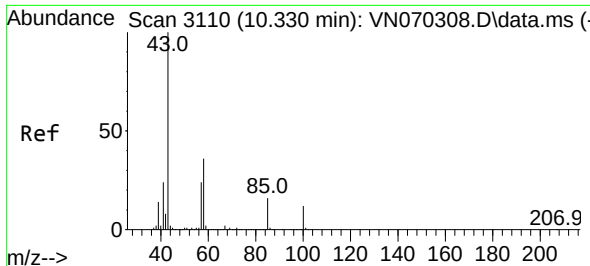
Tgt Ion: 41 Resp: 7982
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 47.7 58.4 87.6#



#50
Toluene-d8
Concen: 50.562 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 98 Resp: 1867556
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

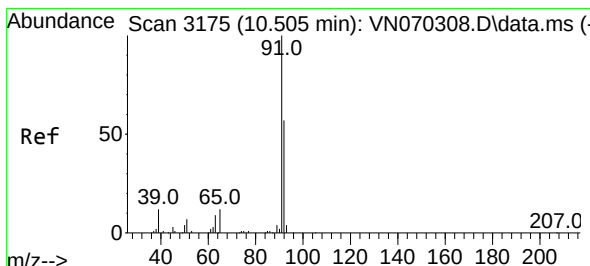
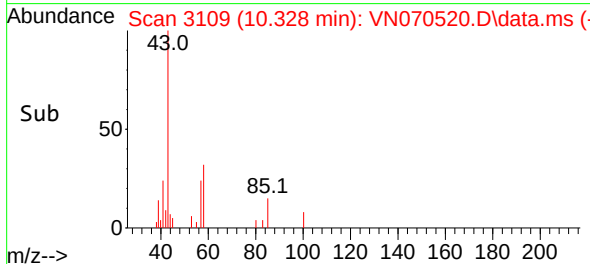
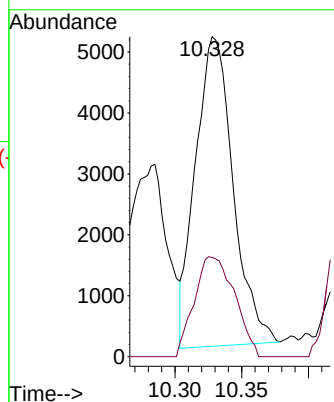
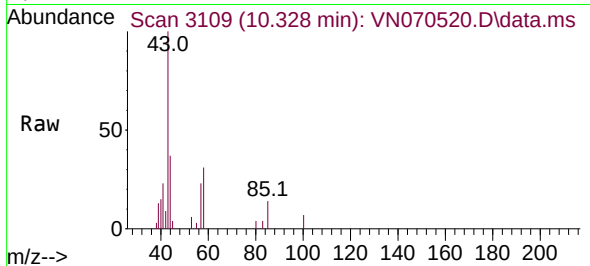




#51
4-Methyl-2-Pentanone
Concen: 0.519 ug/l
RT: 10.328 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

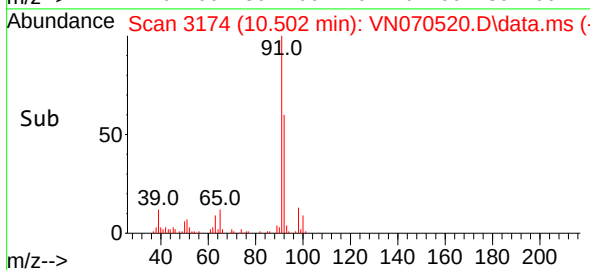
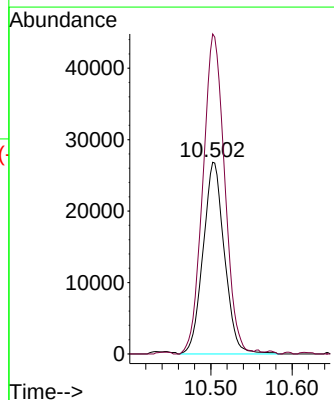
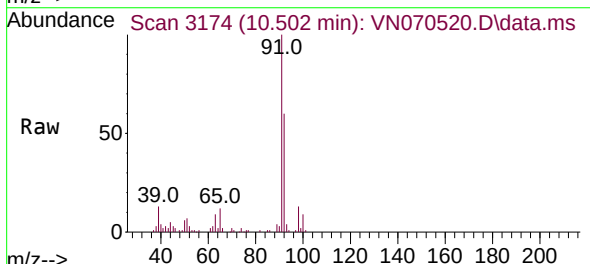
Instrument :
MSVOA_N
ClientSampleId :

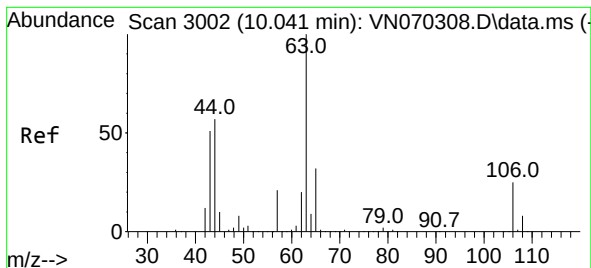
Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
58 34.6 30.4 45.6



#52
Toluene
Concen: 1.762 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.003 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 92 Resp: 48899
Ion Ratio Lower Upper
92 100
91 170.6 142.0 213.0

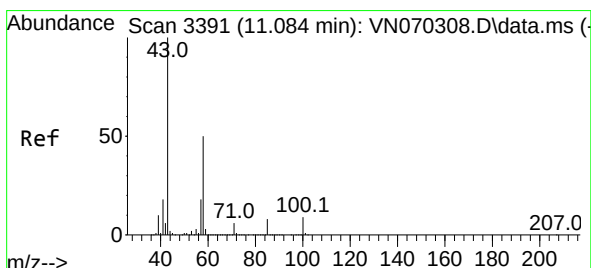
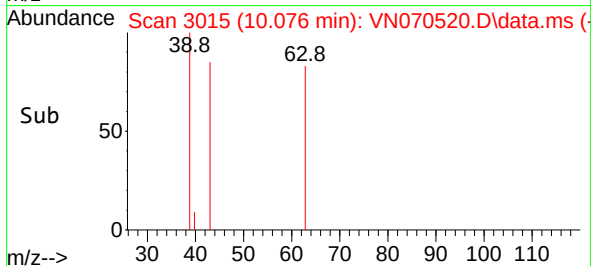
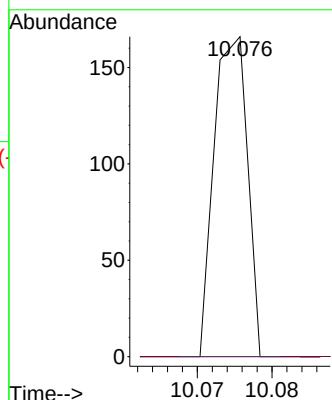
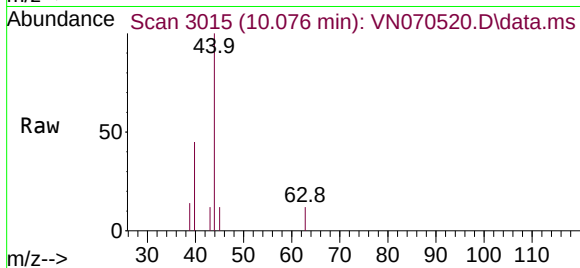




#58
2-Chloroethyl Vinyl ether
Concen: 18.523 ug/l
RT: 10.076 min Scan# 3002
Delta R.T. 0.035 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

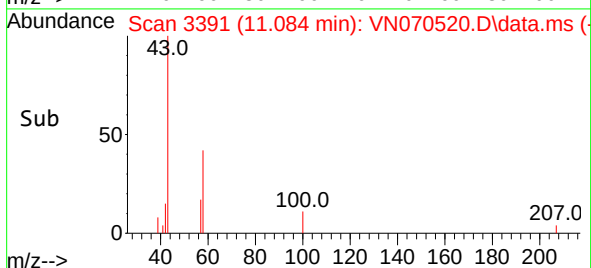
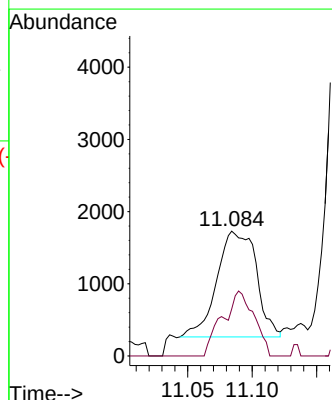
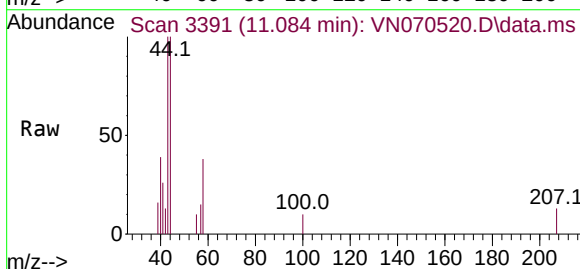
Instrument :
MSVOA_N
ClientSampleId :

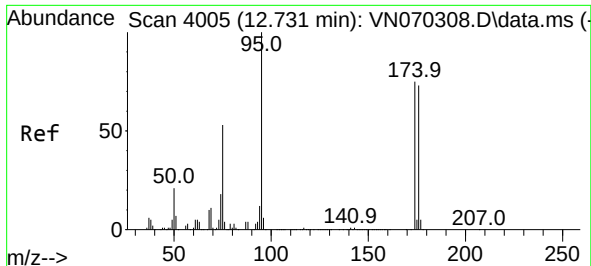
Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.223 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
58 49.2 26.9 80.7

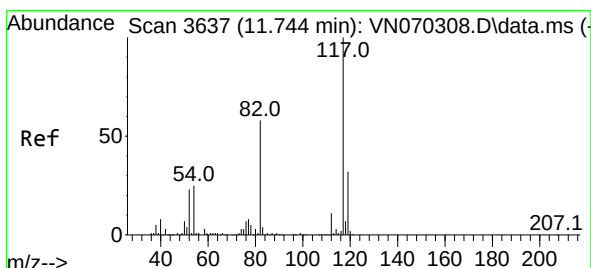
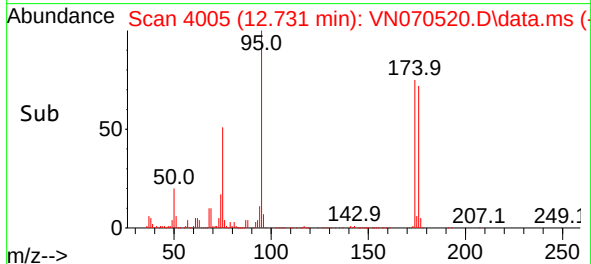
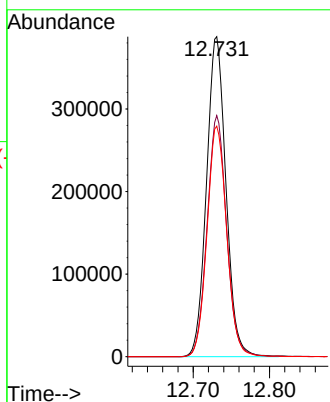
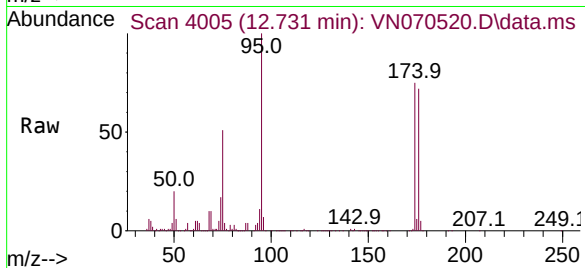




#62
4-Bromofluorobenzene
Concen: 51.396 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

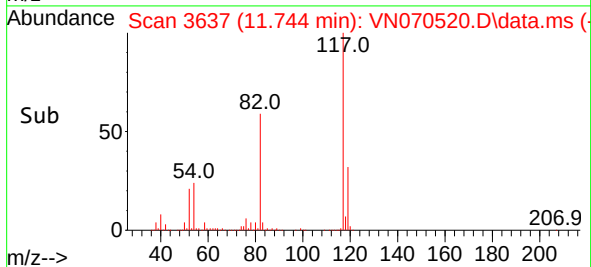
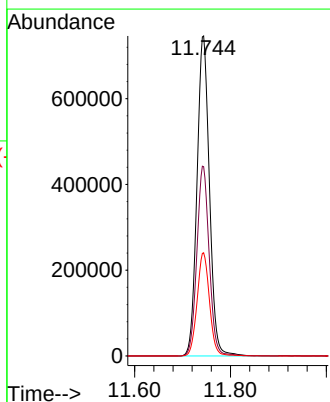
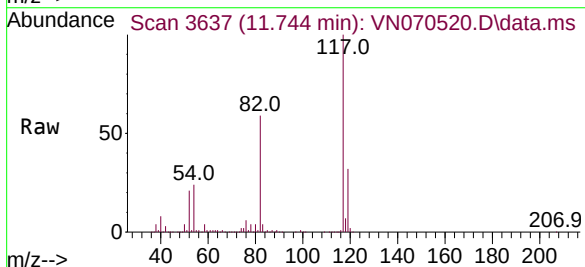
Instrument :
MSVOA_N
ClientSampleId :

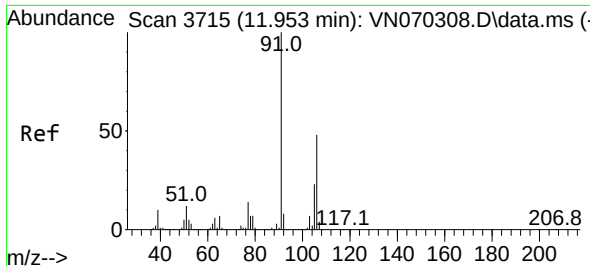
Tgt Ion: 95 Resp: 685654
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 117 Resp: 1348655
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.2 25.4 38.2

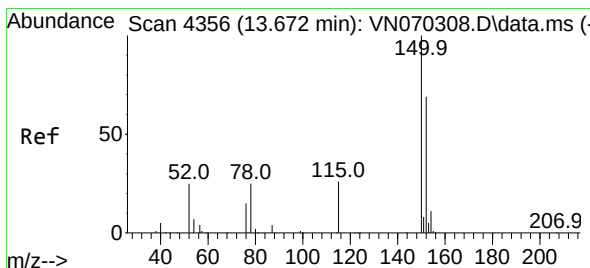
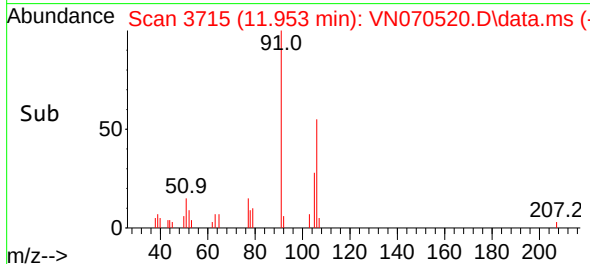
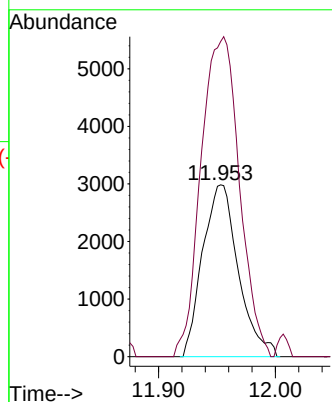
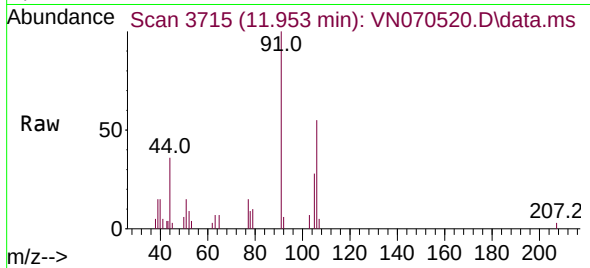




#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

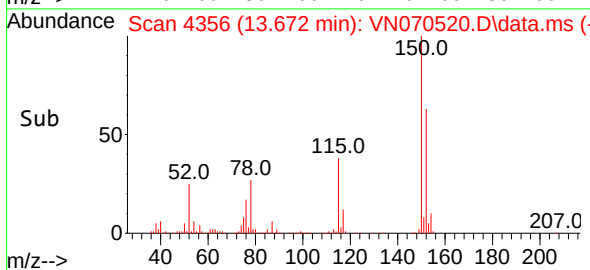
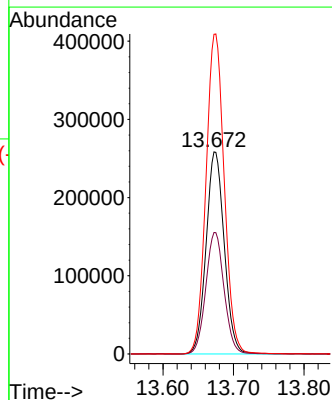
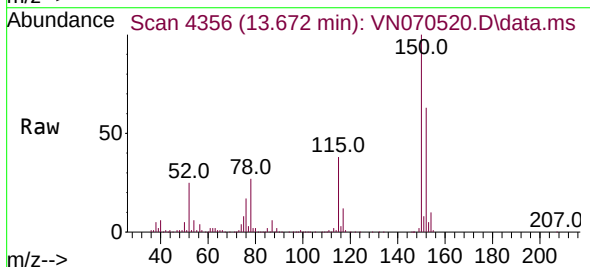
Instrument :
MSVOA_N
ClientSampleId :

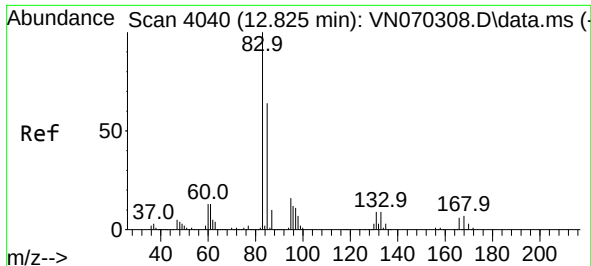
Tgt Ion:106 Resp: 6340
Ion Ratio Lower Upper
106 100
91 200.3 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion:152 Resp: 461609
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 159.2 0.0 344.4

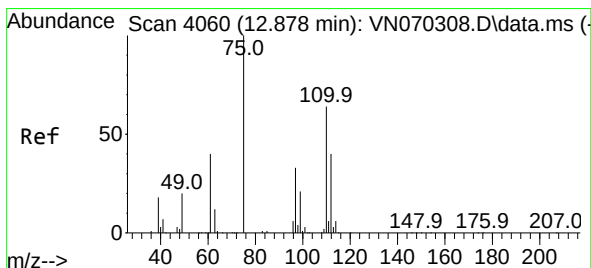
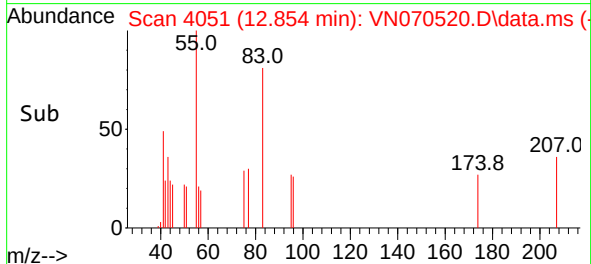
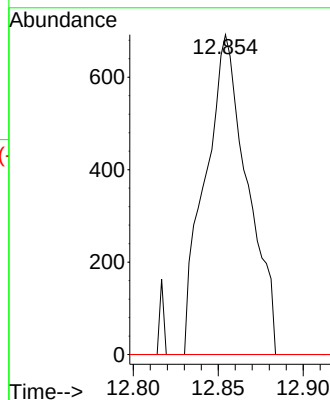
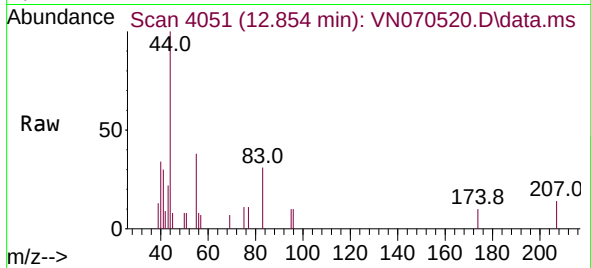




#75
1,1,2,2-Tetrachloroethane
Concen: 0.523 ug/l
RT: 12.854 min Scan# 40
Delta R.T. 0.029 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

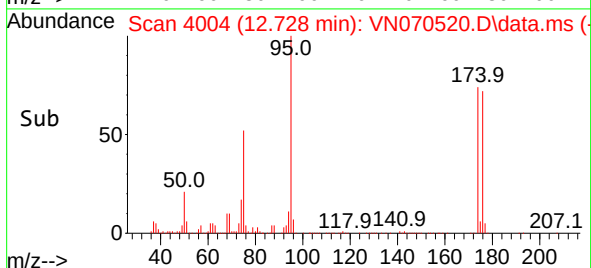
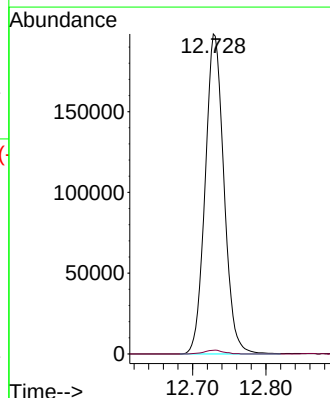
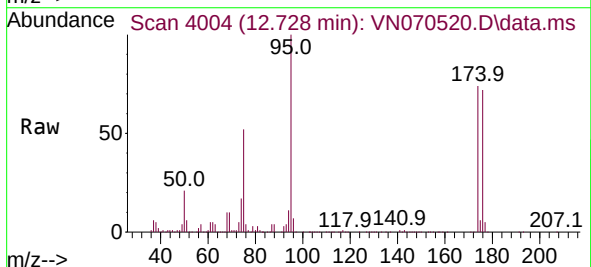
Instrument :
MSVOA_N
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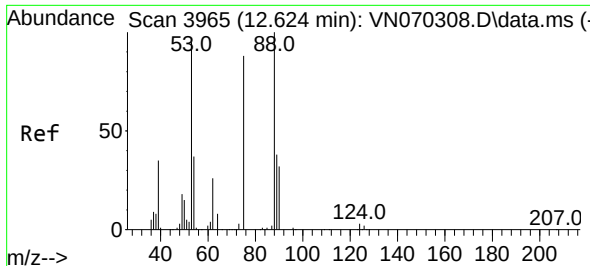
Tgt Ion: 83 Resp: 1195
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.115 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

Tgt Ion: 75 Resp: 352464
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

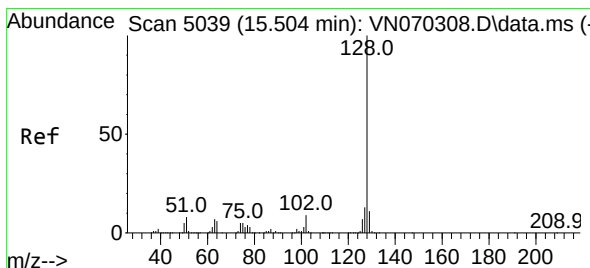
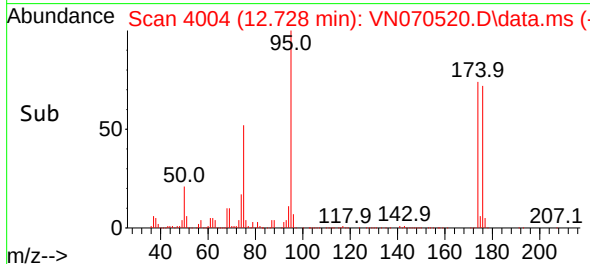
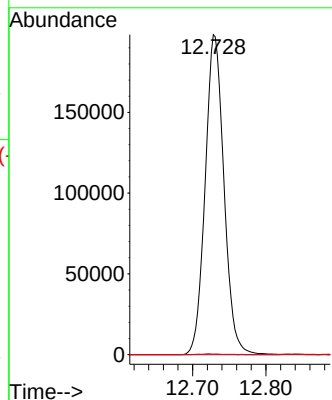
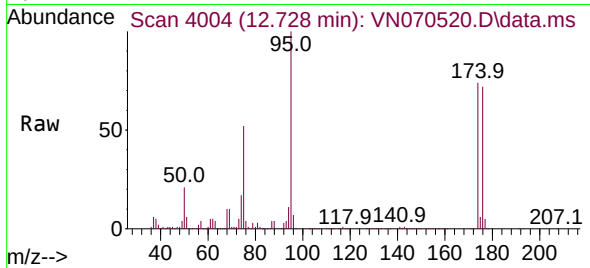




#81
trans-1,4-Dichloro-2-butene
Concen: 93.289 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

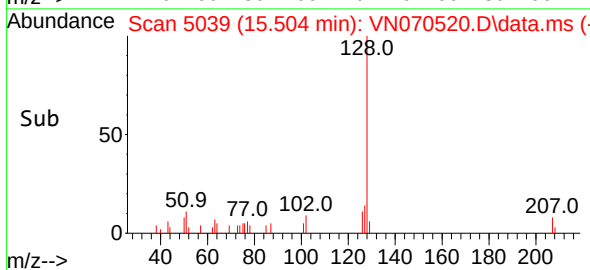
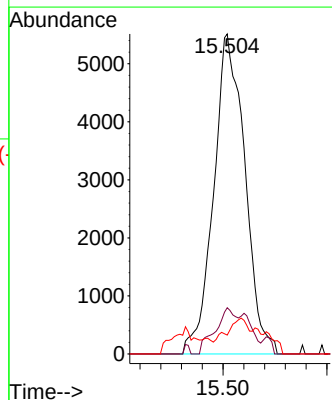
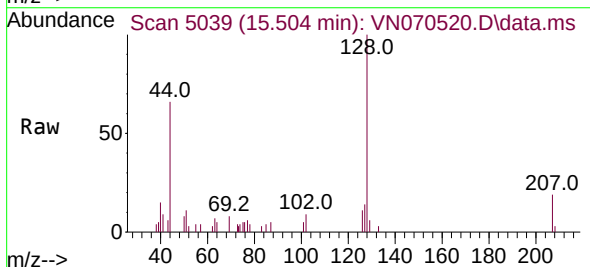
Instrument :
MSVOA_N
ClientSampleId :

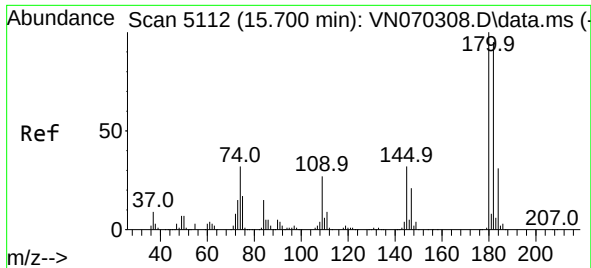
Tgt Ion: 75 Resp: 352464
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.324 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070520.D
Acq: 6 Jan 2022 15:36

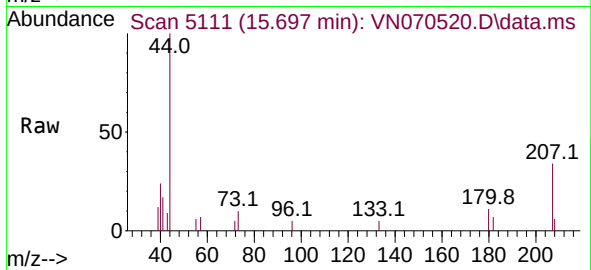
Tgt Ion: 128 Resp: 11502
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 0.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.885 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VN070520.D
 Acq: 6 Jan 2022 15:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 435
 Ion Ratio Lower Upper
 180 100
 182 86.4 47.4 142.2
 145 0.0 15.0 45.1#

