

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070517.D
 Acq On : 6 Jan 2022 14:21
 Operator : JC/MD
 Sample : N1021-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:38:37 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)

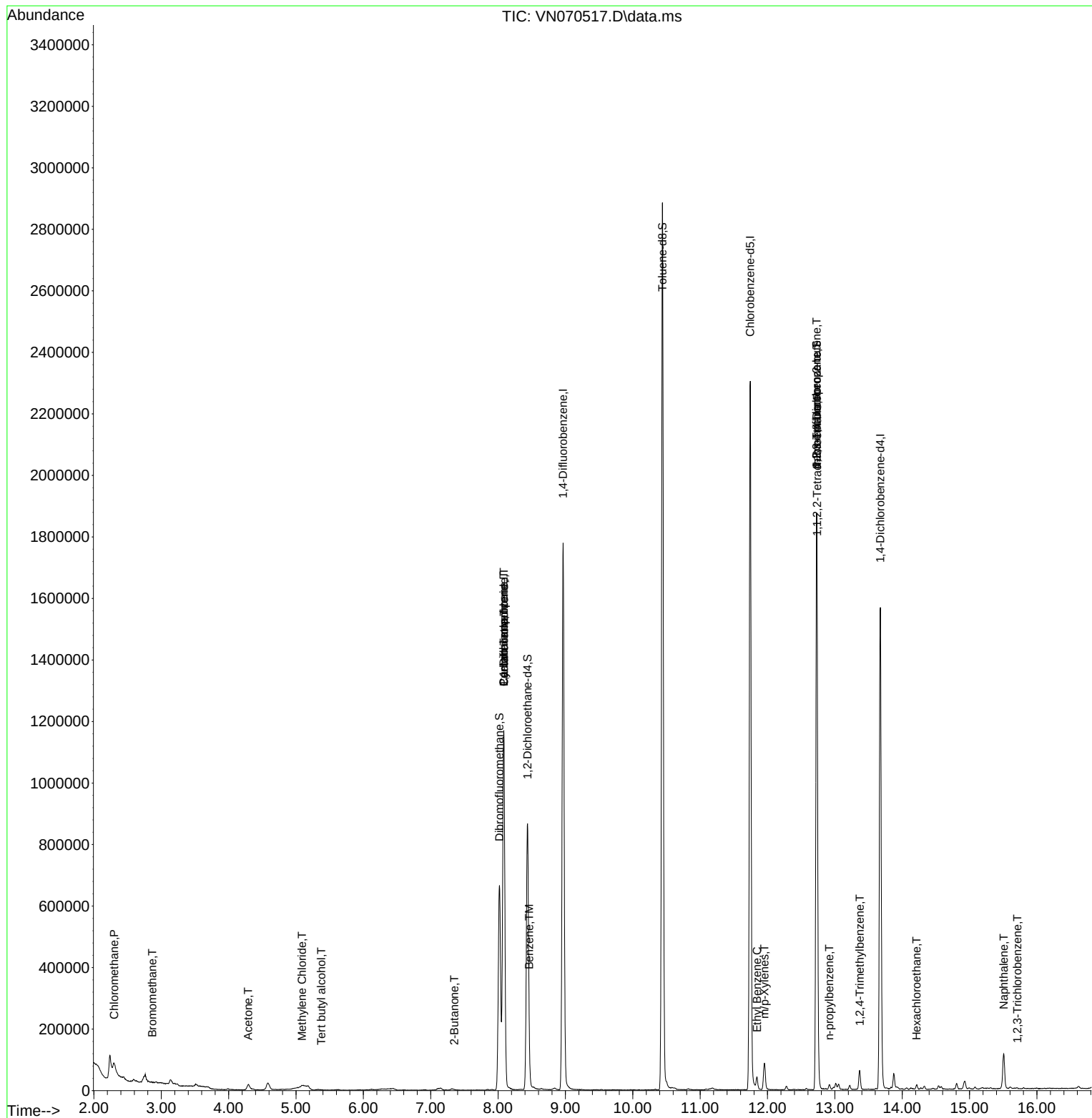
Internal Standards						
1) Pentafluorobenzene	8.086	168	912257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1546239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1351496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	449277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	715353	54.538	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.080%	
35) Dibromofluoromethane	8.019	113	502289	53.689	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.380%	
50) Toluene-d8	10.440	98	2001981	52.383	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.760%	
62) 4-Bromofluorobenzene	12.731	95	700365	50.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	3895	0.277	ug/l	90
5) Bromomethane	2.866	94	1729	0.261	ug/l	82
11) Tert butyl alcohol	5.377	59	586	0.268	ug/l #	71
16) Acetone	4.291	43	26865	3.155	ug/l	96
20) Methylene Chloride	5.090	84	2362	0.200	ug/l #	91
25) 2-Butanone	7.351	43	2275	0.212	ug/l	95
31) Cyclohexane	8.086	56	20716	1.001	ug/l #	3
36) 1,1-Dichloropropene	8.083	75	73989	4.781	ug/l #	48
38) Carbon Tetrachloride	8.086	117	88453	5.985	ug/l #	16
40) Benzene	8.461	78	18506	0.390	ug/l	95
67) Ethyl Benzene	11.843	91	29300	0.558	ug/l	97
68) m/p-Xylenes	11.956	106	29078	1.520	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.736	83	226	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	364709	28.655	ug/l #	1
78) n-propylbenzene	12.919	91	13854	0.300	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.731	75	364709	99.179	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	35806	1.112	ug/l	95
90) Hexachloroethane	14.214	117	1300	0.238	ug/l #	6
95) Naphthalene	15.507	128	110754	7.013	ug/l	99
96) 1,2,3-Trichlorobenzene	15.708	180	663	0.918	ug/l #	66

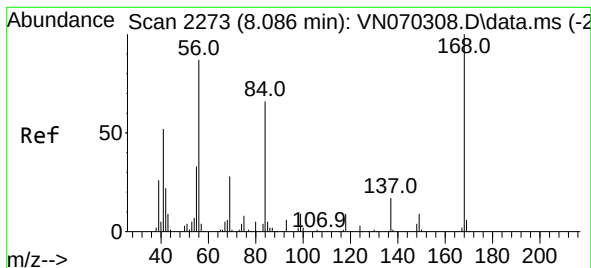
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN070517.D

Acq: 6 Jan 2022 14:21

Instrument :

MSVOA_N

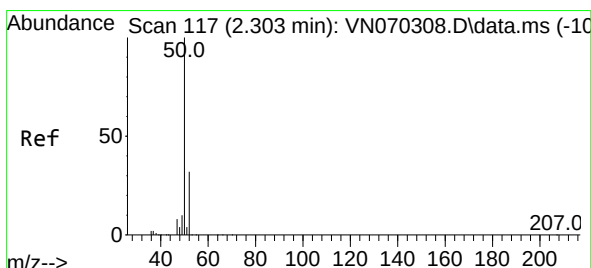
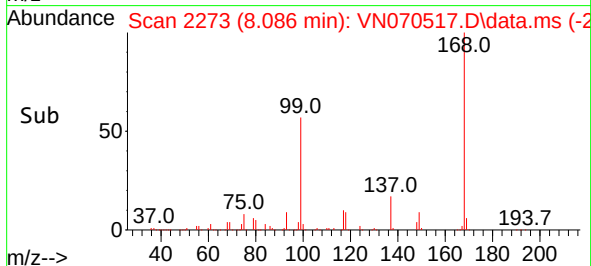
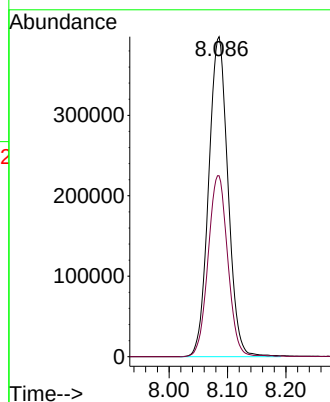
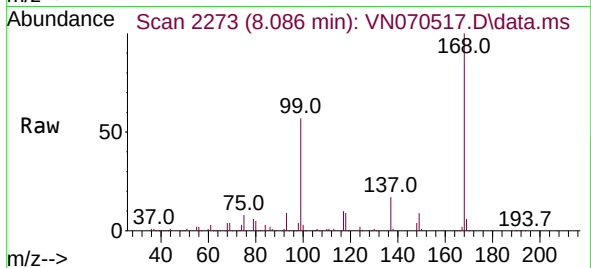
ClientSampleId :

Tgt Ion:168 Resp: 912257

Ion Ratio Lower Upper

168 100

99 56.6 41.3 61.9



#3

Chloromethane

Concen: 0.277 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.002 min

Lab File: VN070517.D

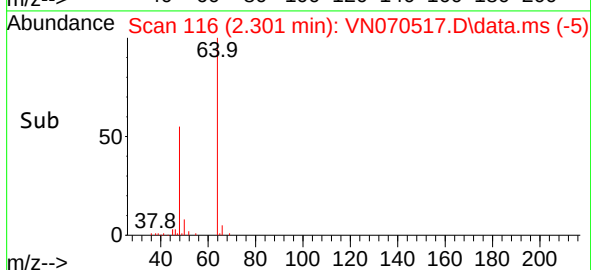
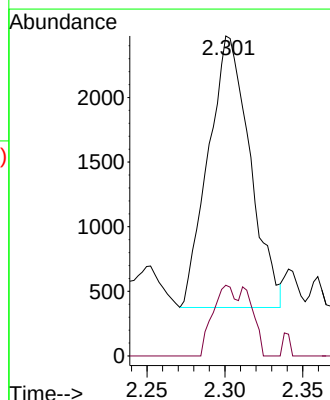
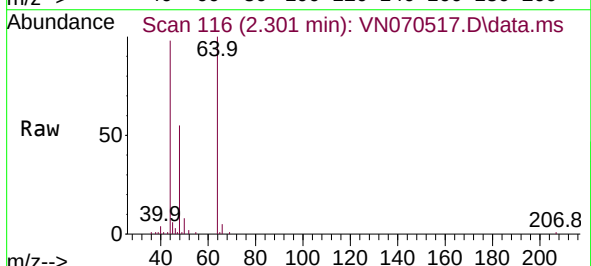
Acq: 6 Jan 2022 14:21

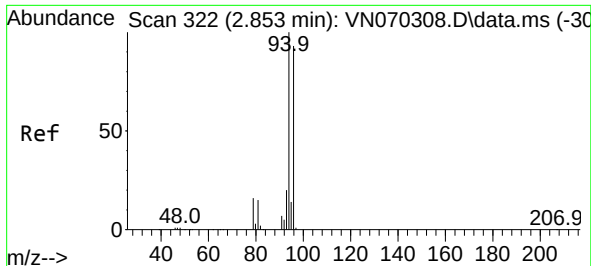
Tgt Ion: 50 Resp: 3895

Ion Ratio Lower Upper

50 100

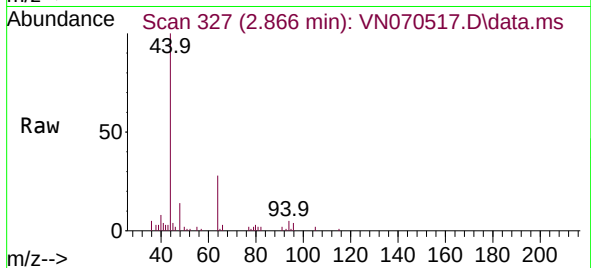
52 26.1 25.4 38.0



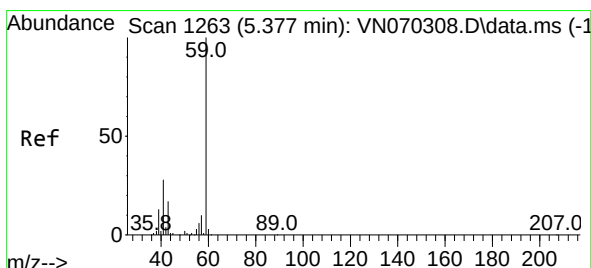
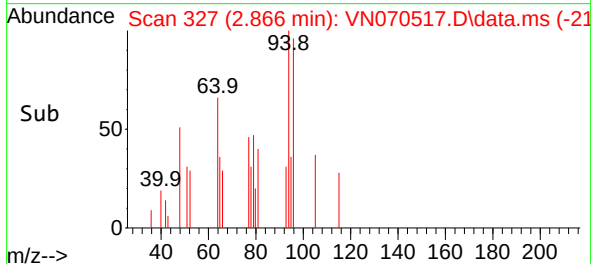
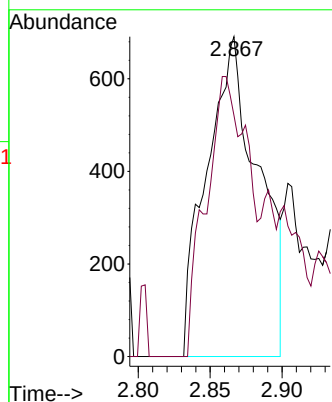


#5
Bromomethane
Concen: 0.261 ug/l
RT: 2.866 min Scan# 31
Delta R.T. 0.013 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Instrument :
MSVOA_N
ClientSampleId :

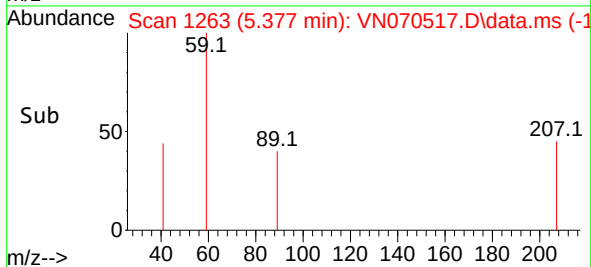
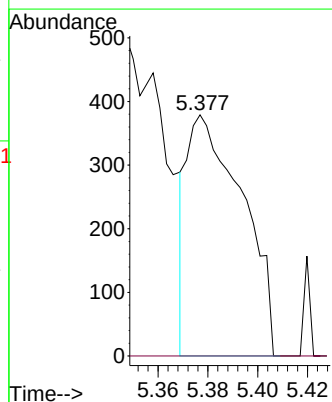
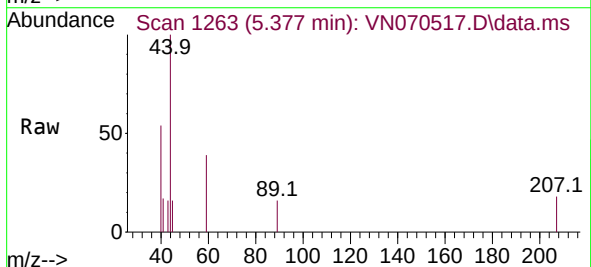


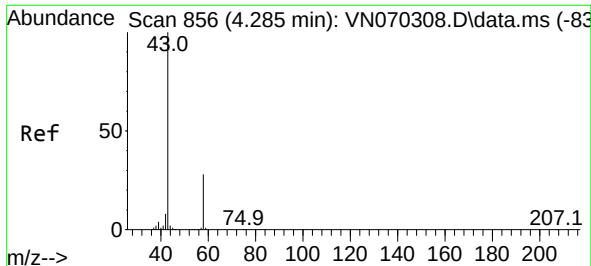
Tgt Ion: 94 Resp: 1729
Ion Ratio Lower Upper
94 100
96 75.4 73.8 110.8



#11
Tert butyl alcohol
Concen: 0.268 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 59 Resp: 586
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

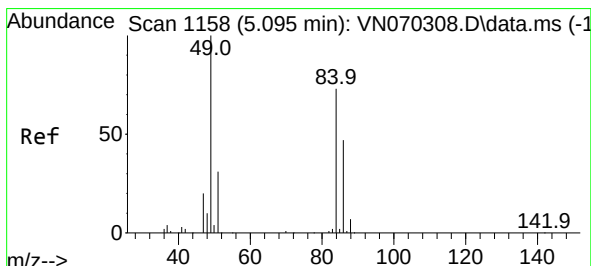
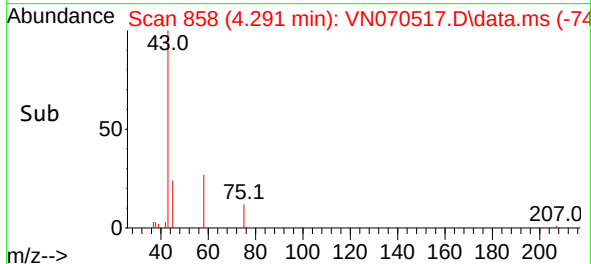
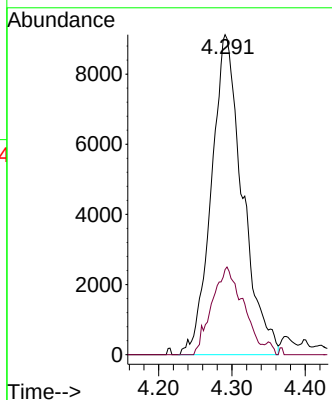
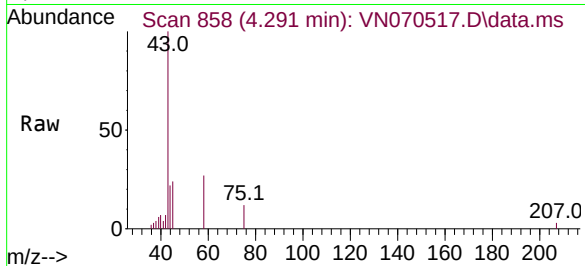




#16
Acetone
Concen: 3.155 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

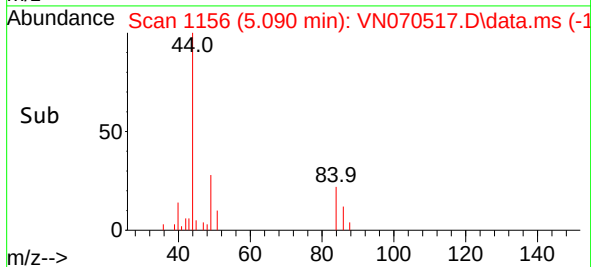
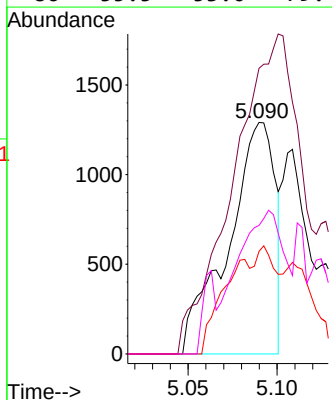
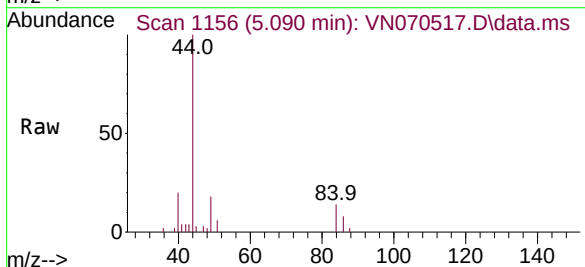
Instrument :
MSVOA_N
ClientSampleId :

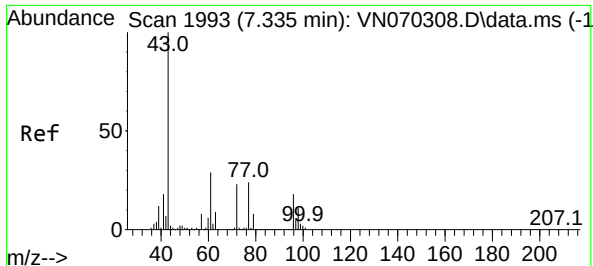
Tgt Ion: 43 Resp: 26865
Ion Ratio Lower Upper
43 100
58 26.6 23.1 34.7



#20
Methylene Chloride
Concen: 0.200 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 84 Resp: 2362
Ion Ratio Lower Upper
84 100
49 123.4 93.5 140.3
51 44.3 29.4 44.2#
86 55.5 53.0 79.4

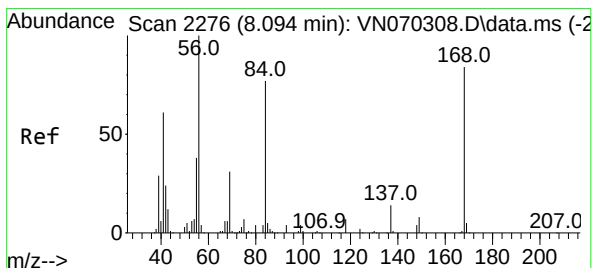
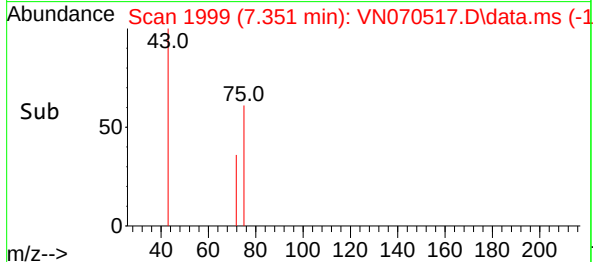
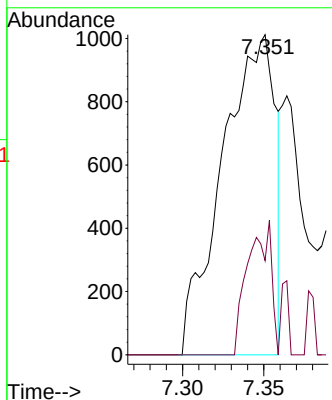
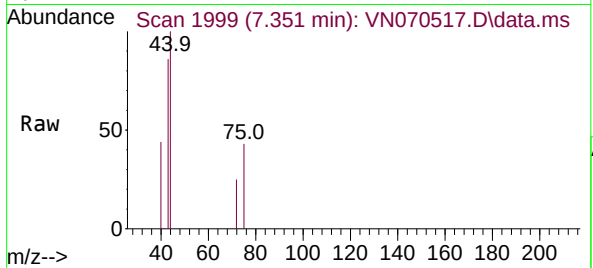




#25
2-Butanone
Concen: 0.212 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.016 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

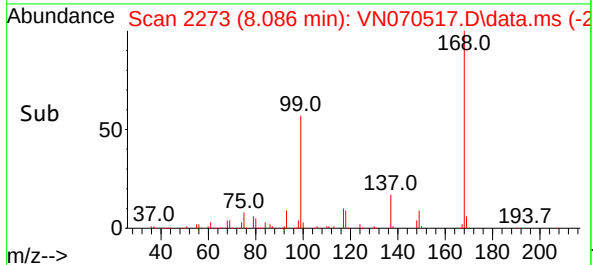
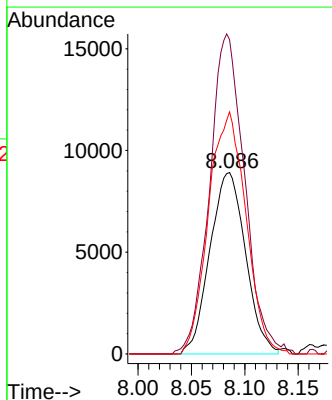
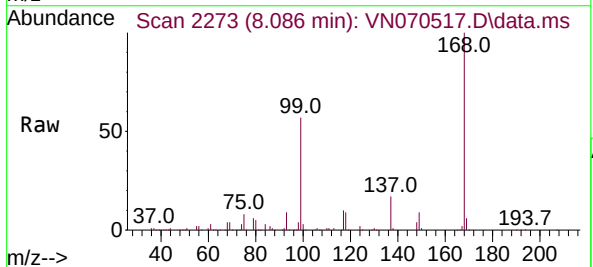
Instrument :
MSVOA_N
ClientSampleId :

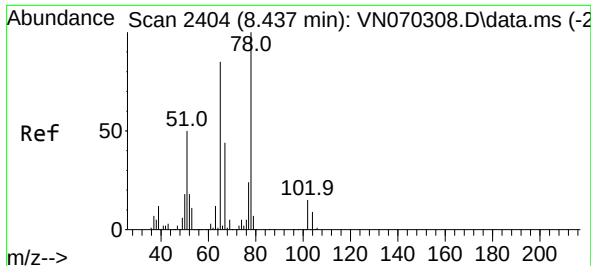
Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
72 29.4 21.7 32.5



#31
Cyclohexane
Concen: 1.001 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 56 Resp: 20716
Ion Ratio Lower Upper
56 100
69 171.2 27.1 40.7#
84 133.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 54.538 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070517.D

Acq: 6 Jan 2022 14:21

Instrument :

MSVOA_N

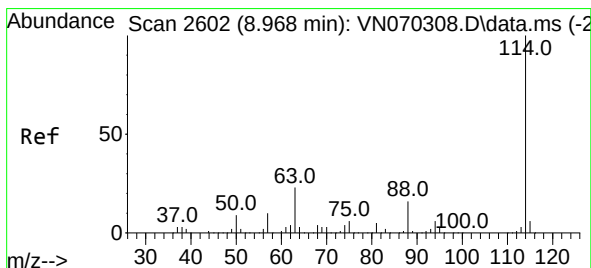
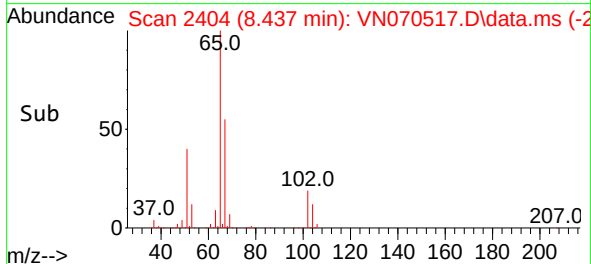
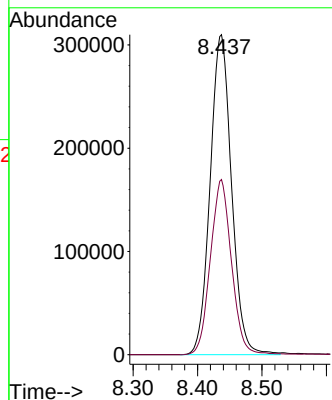
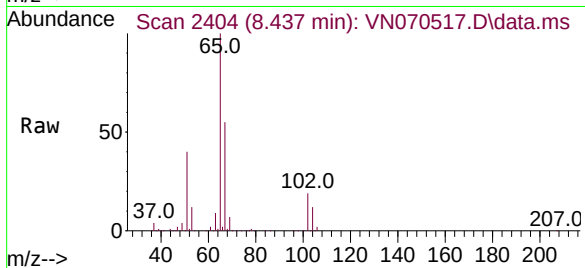
ClientSampleId :

Tgt Ion: 65 Resp: 715353

Ion Ratio Lower Upper

65 100

67 54.0 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: VN070517.D

Acq: 6 Jan 2022 14:21

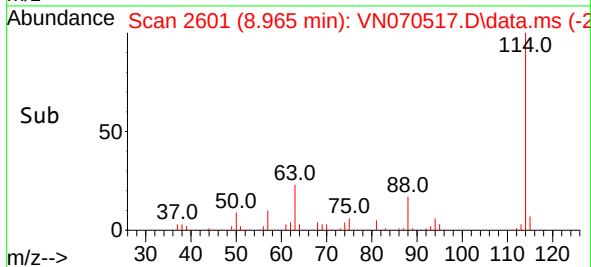
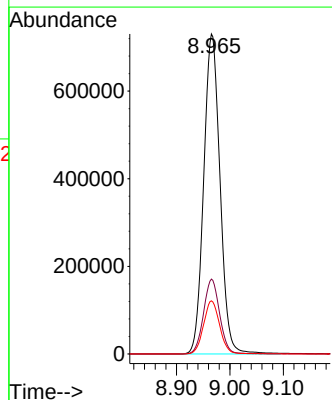
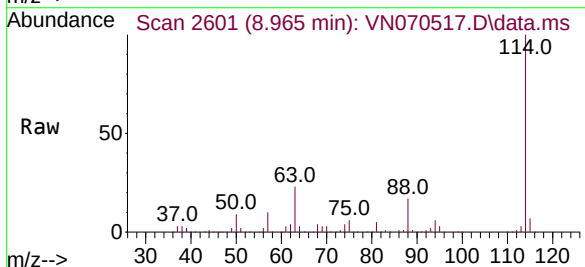
Tgt Ion: 114 Resp: 1546239

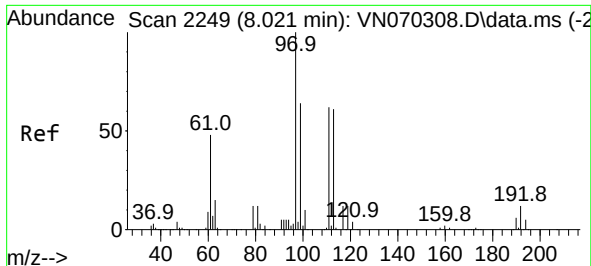
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.6 0.0 27.4

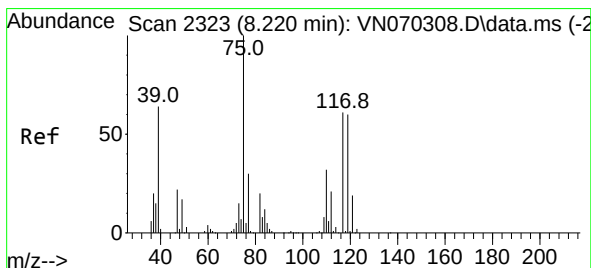
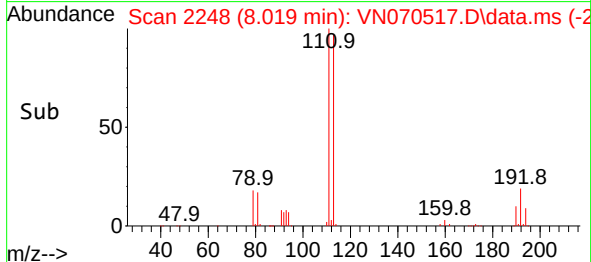
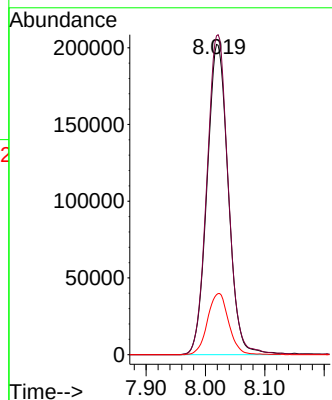
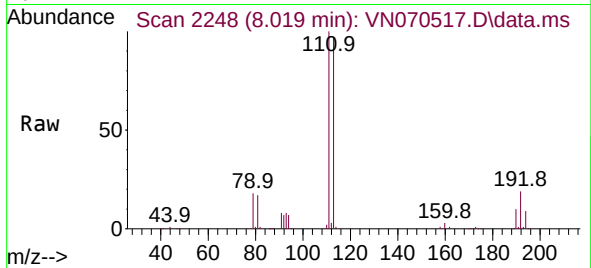




#35
 Dibromofluoromethane
 Concen: 53.689 ug/l
 RT: 8.019 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: VN070517.D
 Acq: 6 Jan 2022 14:21

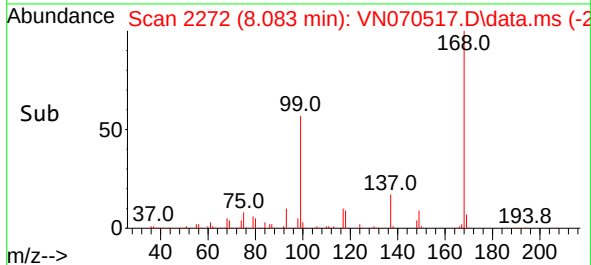
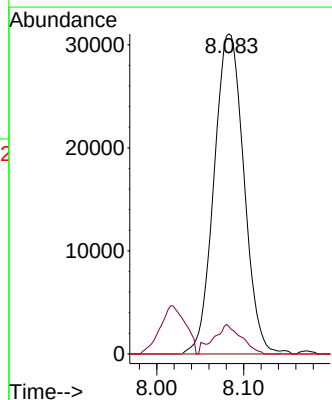
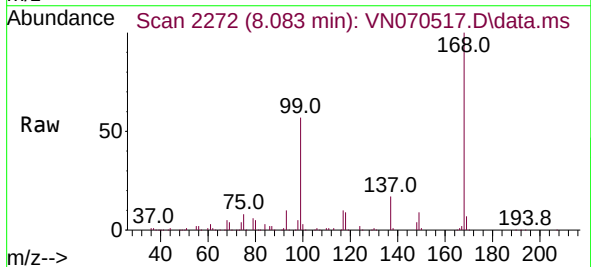
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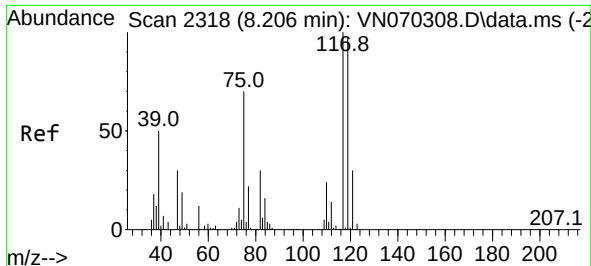
Tgt Ion:113 Resp: 502289
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.2
 192 19.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070517.D
 Acq: 6 Jan 2022 14:21

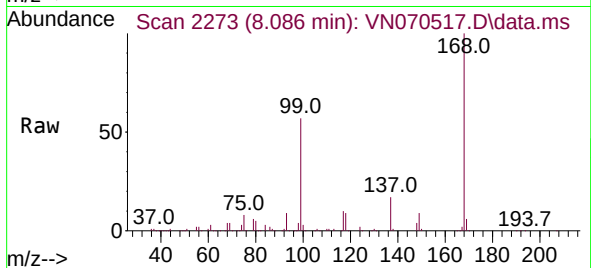
Tgt Ion: 75 Resp: 73989
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.4 55.2#
 77 0.0 24.4 36.6#



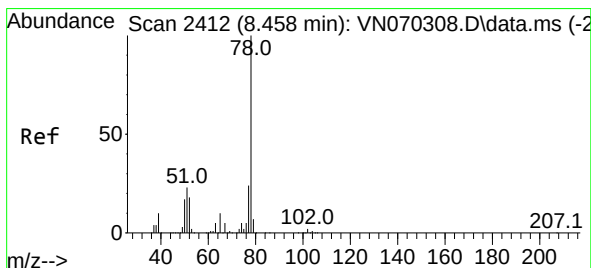
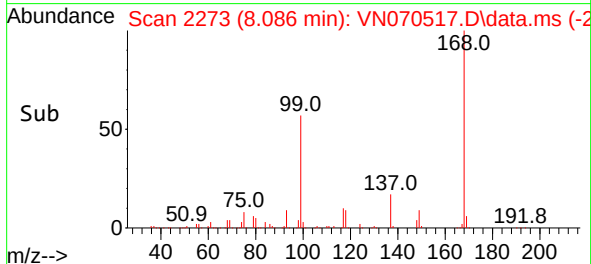
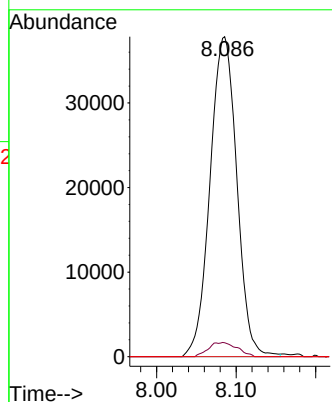


#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Instrument :
MSVOA_N
ClientSampleId :

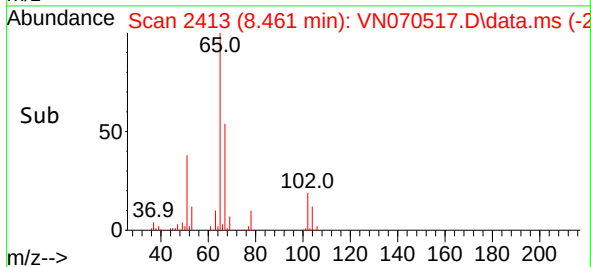
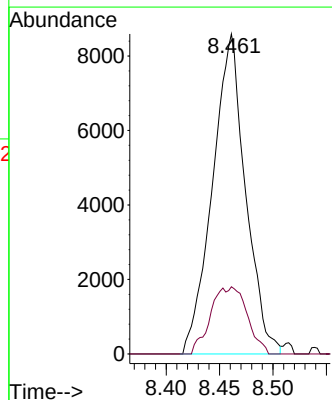
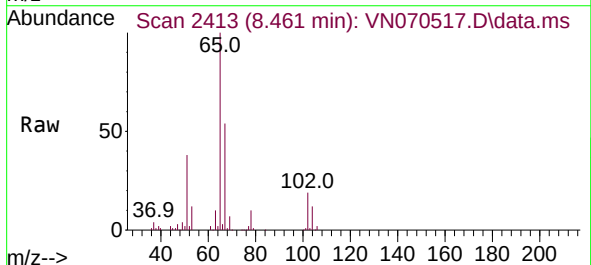


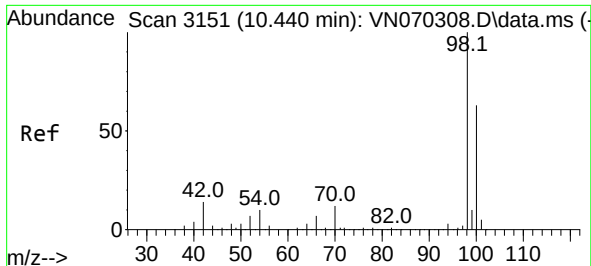
Tgt Ion:117 Resp: 88453
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.390 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.003 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 78 Resp: 18506
Ion Ratio Lower Upper
78 100
77 21.0 18.6 27.8

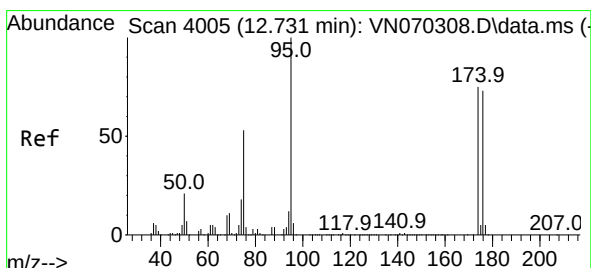
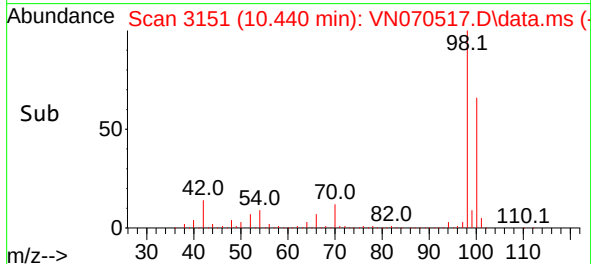
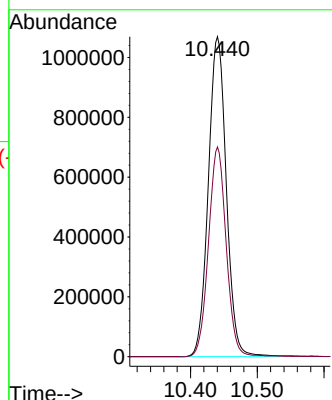
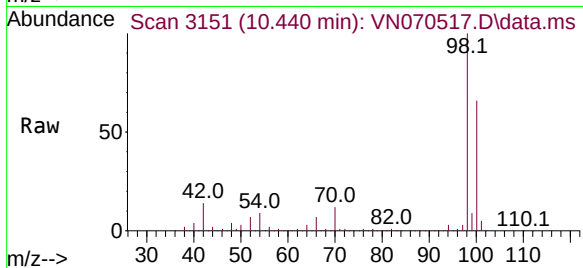




#50
Toluene-d8
Concen: 52.383 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

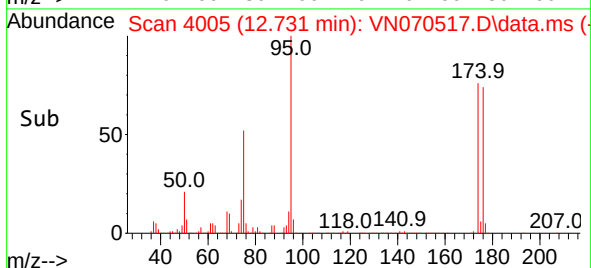
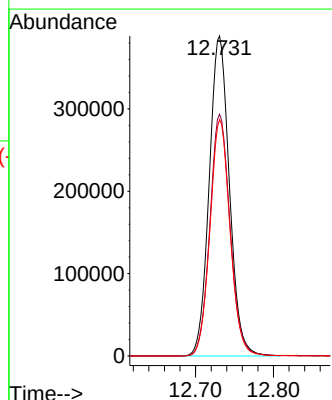
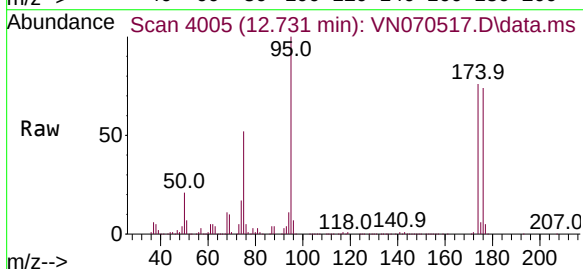
Instrument :
MSVOA_N
ClientSampleId :

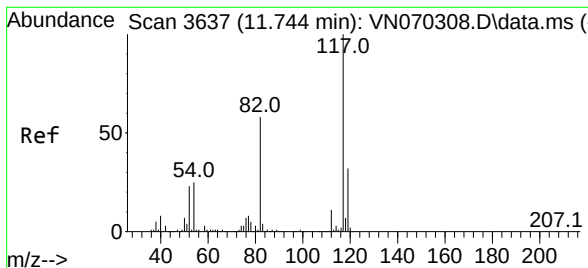
Tgt Ion: 98 Resp: 2001981
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 50.738 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 95 Resp: 700365
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.000 min

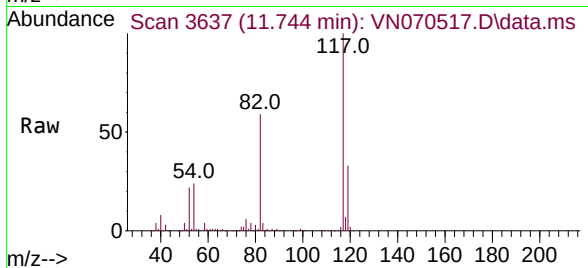
Lab File: VN070517.D

Acq: 6 Jan 2022 14:21

Instrument :

MSVOA_N

ClientSampleId :



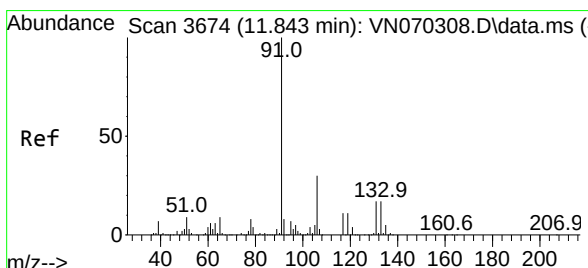
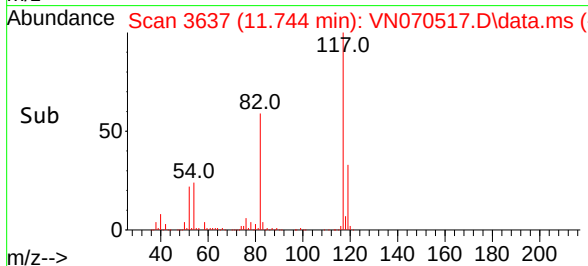
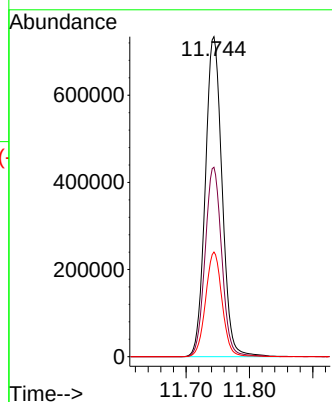
Tgt Ion:117 Resp: 1351496

Ion Ratio Lower Upper

117 100

82 59.2 42.4 63.6

119 32.7 25.4 38.2



#67

Ethyl Benzene

Concen: 0.558 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070517.D

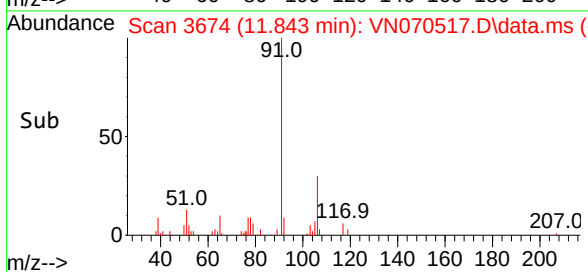
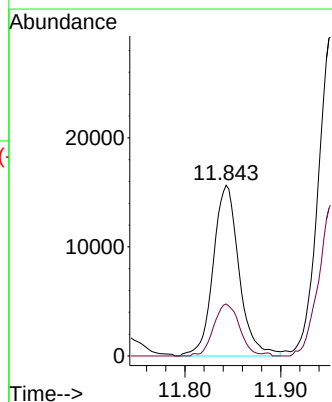
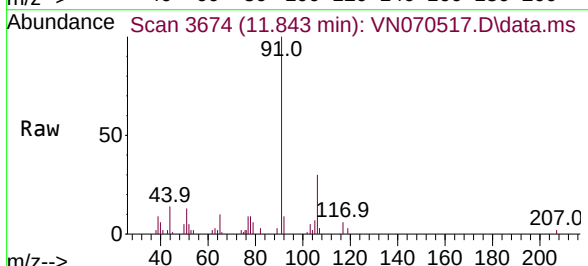
Acq: 6 Jan 2022 14:21

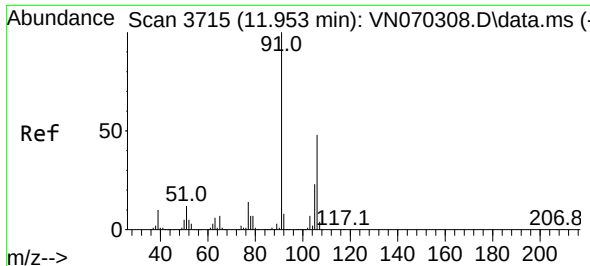
Tgt Ion: 91 Resp: 29300

Ion Ratio Lower Upper

91 100

106 30.4 25.7 38.5

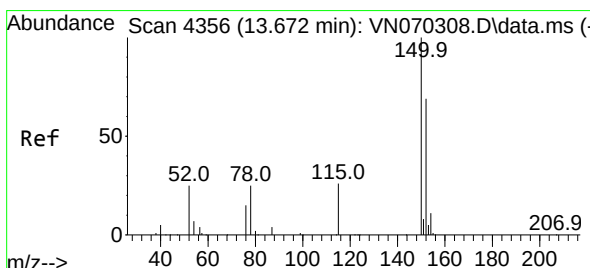
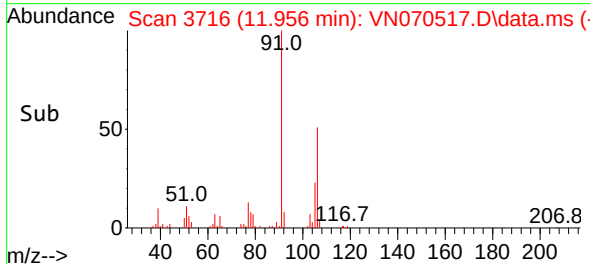
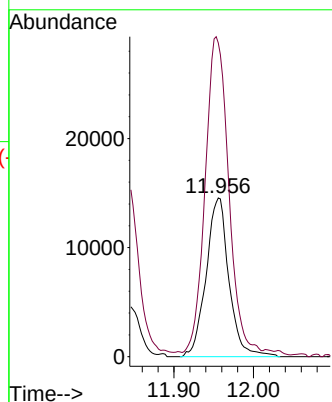
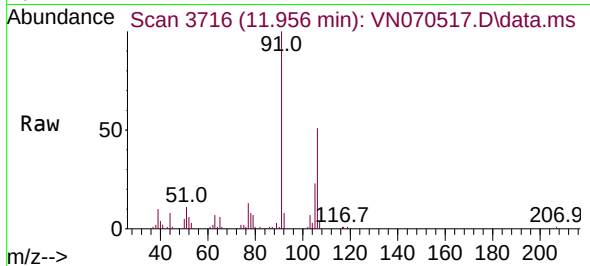




#68
m/p-Xylenes
Concen: 1.520 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

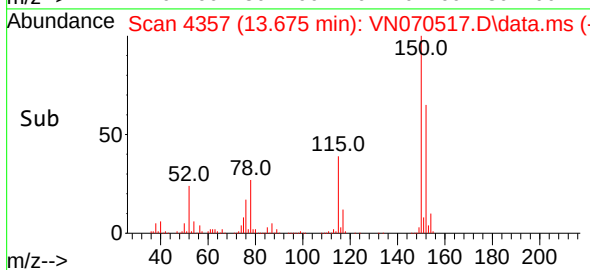
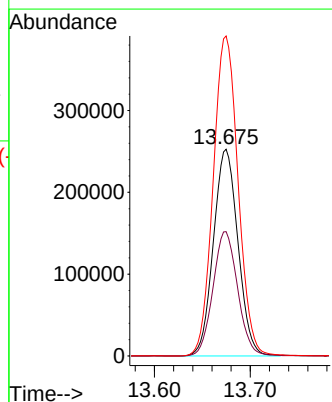
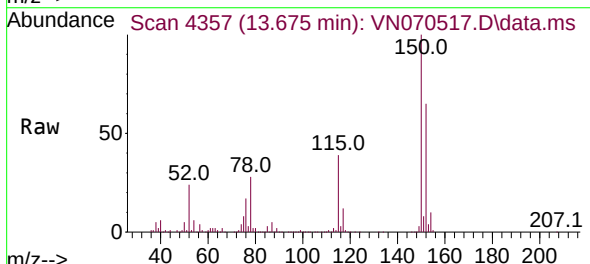
Instrument :
MSVOA_N
ClientSampleId :

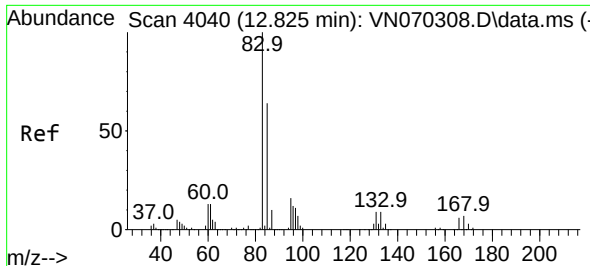
Tgt Ion:106 Resp: 29078
Ion Ratio Lower Upper
106 100
91 202.6 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion:152 Resp: 449277
Ion Ratio Lower Upper
152 100
115 60.4 27.5 82.5
150 157.1 0.0 344.4

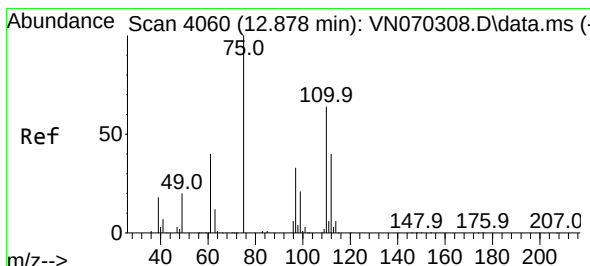
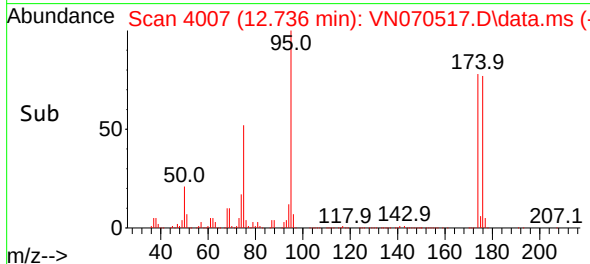
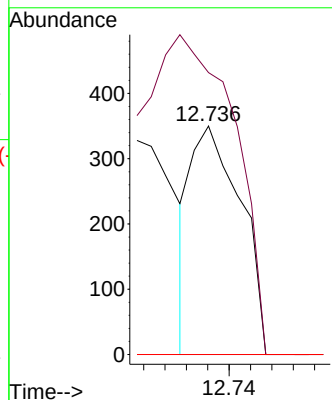
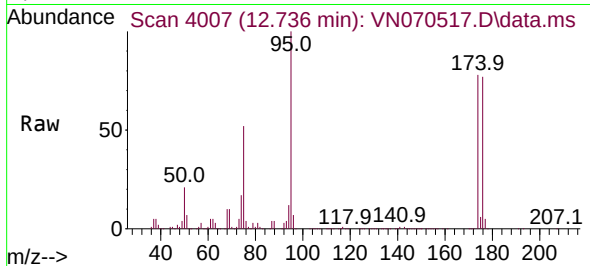




#75
 1,1,2-Tetrachloroethane
 Concen: 0.462 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.089 min
 Lab File: VN070517.D
 Acq: 6 Jan 2022 14:21

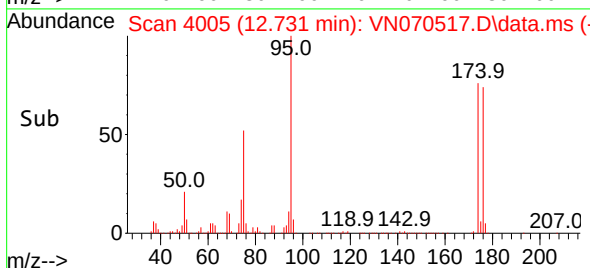
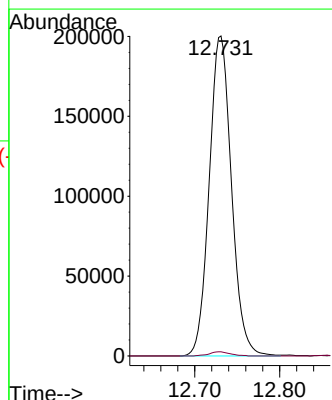
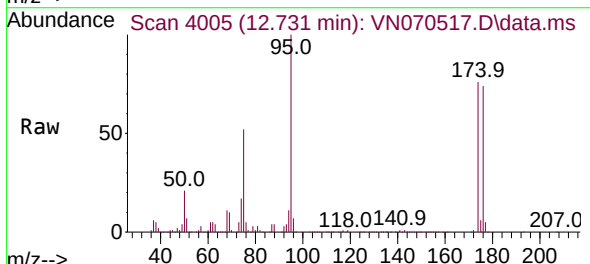
Instrument :
 MSVOA_N
 ClientSampleId :

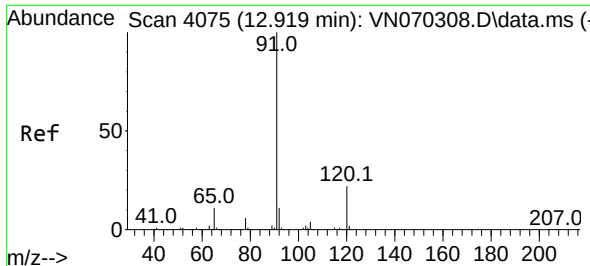
Tgt Ion: 83 Resp: 226
 Ion Ratio Lower Upper
 83 100
 131 314.6 5.5 16.5#
 85 0.0 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 28.655 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070517.D
 Acq: 6 Jan 2022 14:21

Tgt Ion: 75 Resp: 364709
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

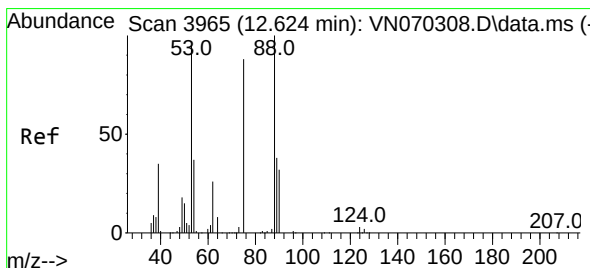
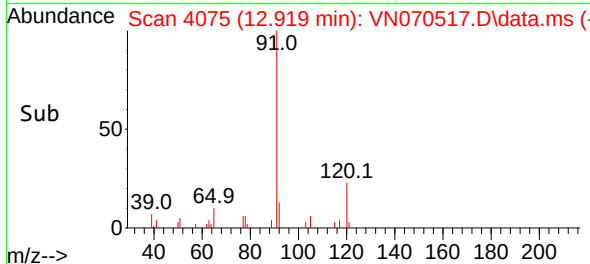
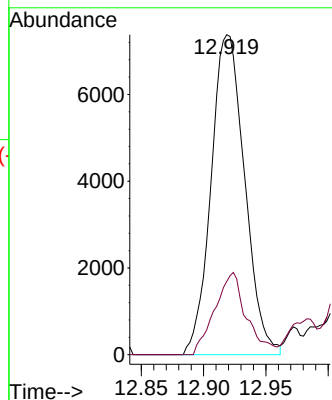
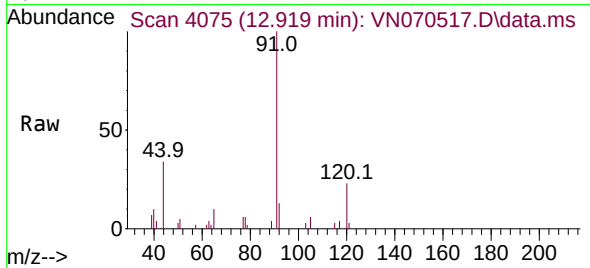




#78
n-propylbenzene
Concen: 0.300 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

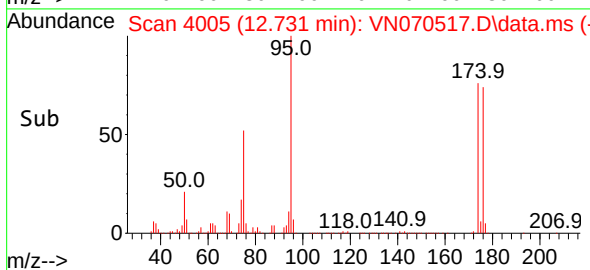
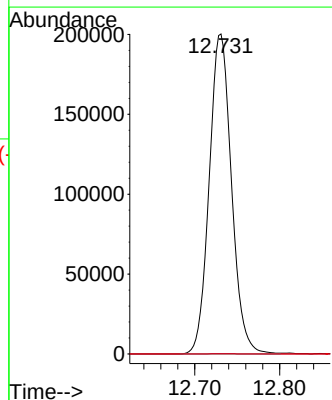
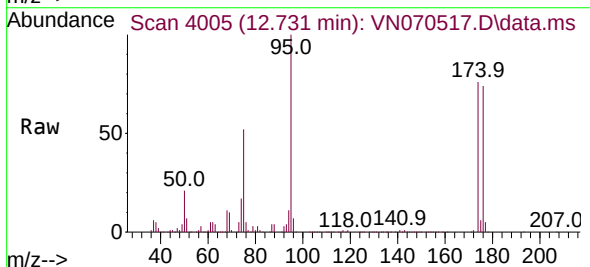
Instrument :
MSVOA_N
ClientSampleId :

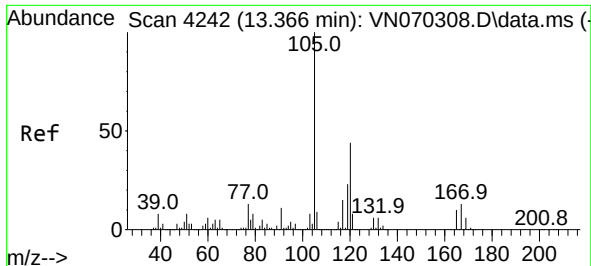
Tgt Ion: 91 Resp: 13854
Ion Ratio Lower Upper
91 100
120 24.3 11.9 35.9



#81
trans-1,4-Dichloro-2-butene
Concen: 99.179 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion: 75 Resp: 364709
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

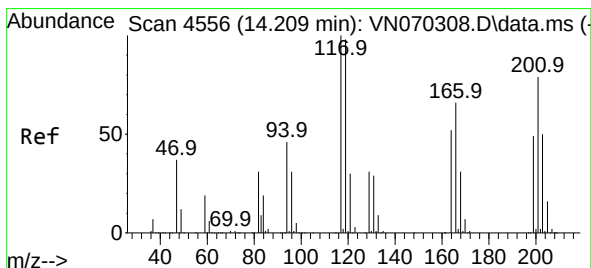
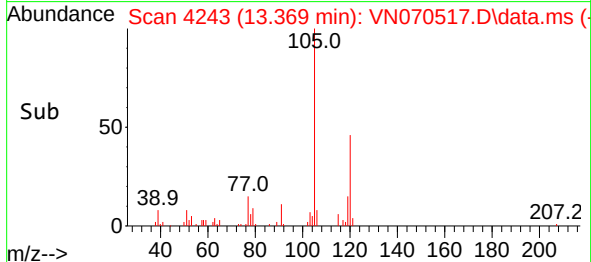
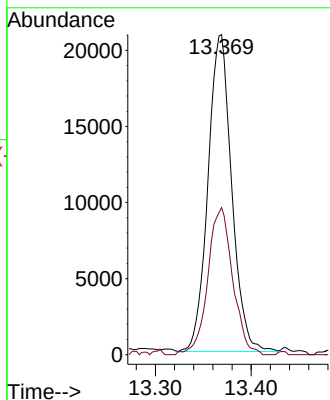
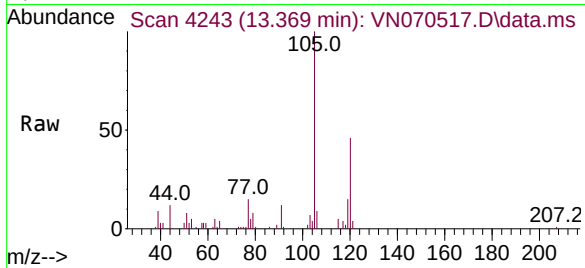




#84
1,2,4-Trimethylbenzene
Concen: 1.112 ug/l
RT: 13.369 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

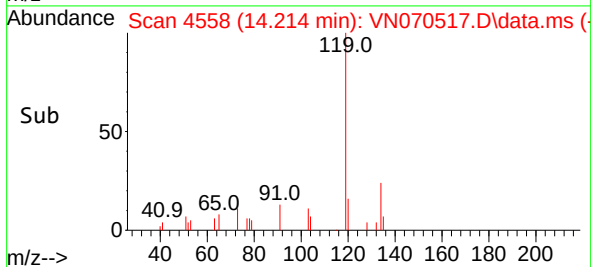
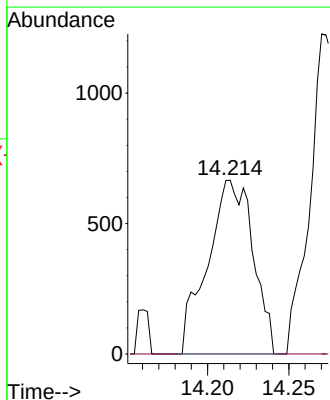
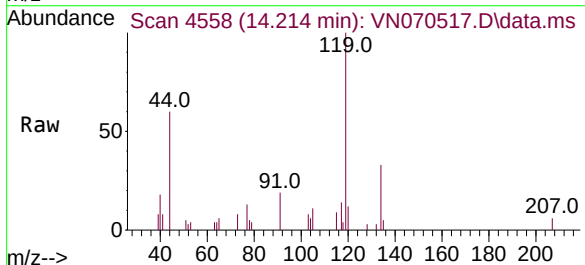
Instrument :
MSVOA_N
ClientSampleId :

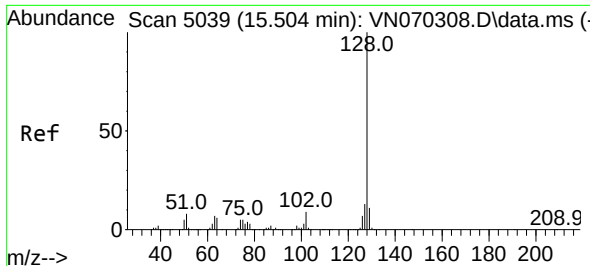
Tgt Ion:105 Resp: 35806
Ion Ratio Lower Upper
105 100
120 48.6 22.8 68.4



#90
Hexachloroethane
Concen: 0.238 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.005 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion:117 Resp: 1300
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

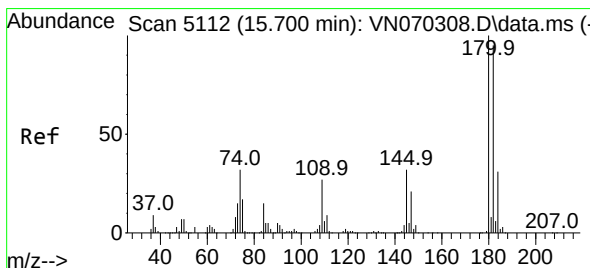
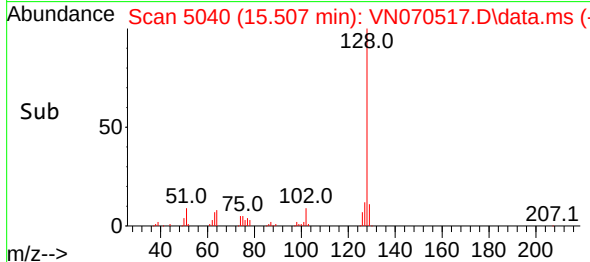
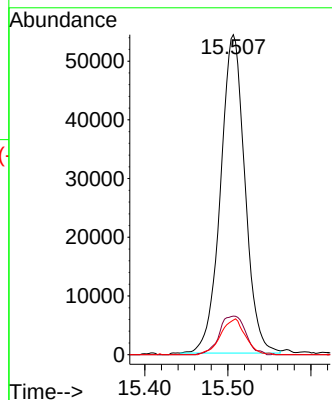
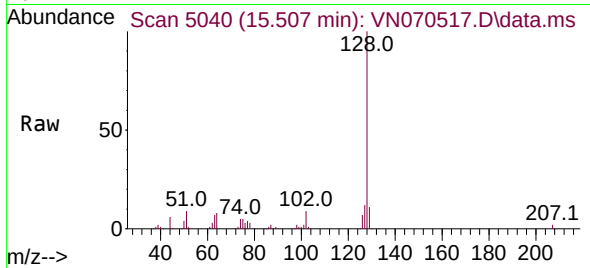




#95
Naphthalene
Concen: 7.013 ug/l
RT: 15.507 min Scan# 5039
Delta R.T. 0.003 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 110754
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.918 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.008 min
Lab File: VN070517.D
Acq: 6 Jan 2022 14:21

Tgt Ion:180 Resp: 663
Ion Ratio Lower Upper
180 100
182 127.8 47.4 142.2
145 49.3 15.0 45.1#

