

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070443.D
 Acq On : 3 Jan 2022 17:42
 Operator : JC/MD
 Sample : M5251-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6S

Quant Time: Jan 04 01:36:03 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	1001829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1702709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1463901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	513582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	727885	50.532	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.060%	
35) Dibromofluoromethane	8.021	113	490900	47.650	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.300%	
50) Toluene-d8	10.440	98	1954897	46.450	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 92.900%	
62) 4-Bromofluorobenzene	12.731	95	722517	47.533	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 95.060%	

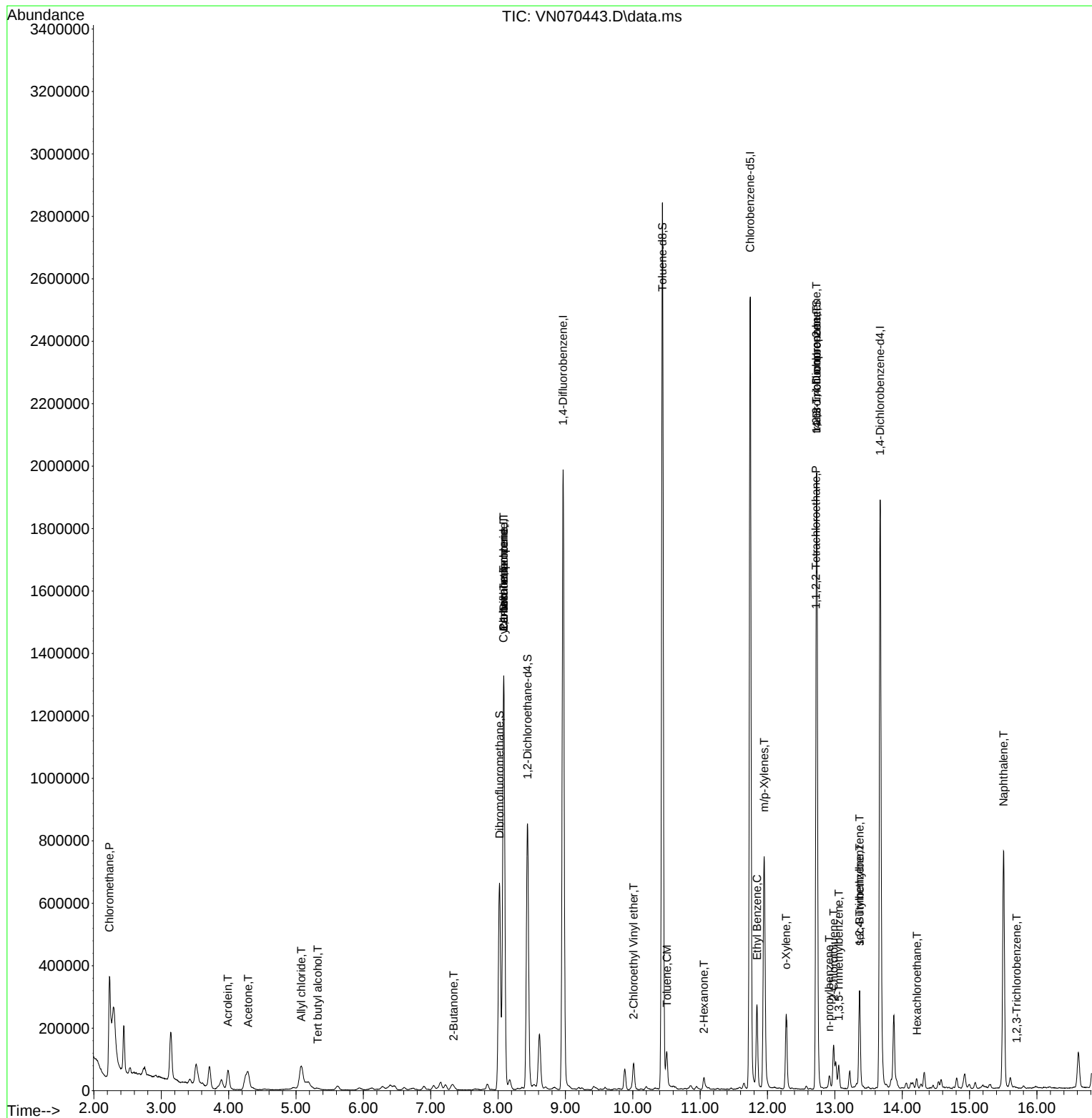
Target Compounds				Qvalue		
3) Chloromethane	2.231	50	10895	0.705	ug/l #	43
11) Tert butyl alcohol	5.321	59	542	0.226	ug/l #	71
13) Acrolein	3.988	56	2580	1.326	ug/l #	1
14) Allyl chloride	5.079	41	35204	1.522	ug/l #	56
16) Acetone	4.288	43	107449	11.491	ug/l	95
25) 2-Butanone	7.340	43	8519	0.724	ug/l #	78
31) Cyclohexane	8.080	56	27624	1.215	ug/l #	15
36) 1,1-Dichloropropene	8.083	75	82840	4.861	ug/l #	49
38) Carbon Tetrachloride	8.083	117	99614	6.121	ug/l #	16
52) Toluene	10.505	92	44848	1.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.011	63	142	18.538	ug/l #	45
59) 2-Hexanone	11.055	43	39618	2.482	ug/l #	25
67) Ethyl Benzene	11.843	91	199399	3.504	ug/l	94
68) m/p-Xylenes	11.950	106	249522	12.045	ug/l	94
69) o-Xylene	12.278	106	65124	3.161	ug/l	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	370	0.468	ug/l #	44
76) 1,2,3-Trichloropropane	12.728	75	385423	26.697	ug/l #	1
78) n-propylbenzene	12.919	91	32379	0.613	ug/l	96
79) 2-Chlorotoluene	12.983	91	8527	0.251	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.058	105	33874	0.886	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.728	75	385423	91.689	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	180286	4.899	ug/l	98
85) sec-Butylbenzene	13.366	105	180286	3.946	ug/l #	56
90) Hexachloroethane	14.219	117	1749	0.281	ug/l #	6
95) Naphthalene	15.504	128	722316	31.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	428	0.878	ug/l #	78

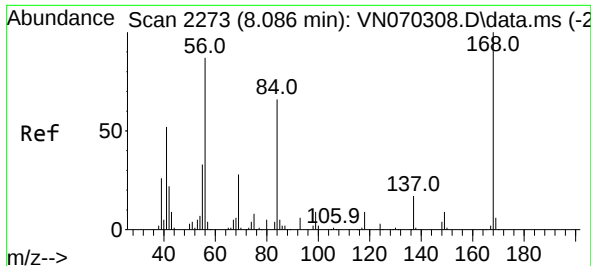
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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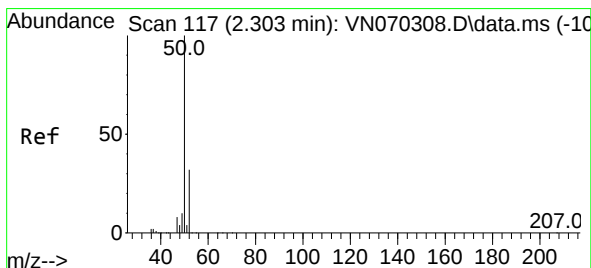
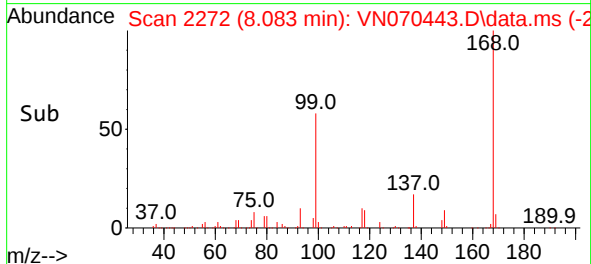
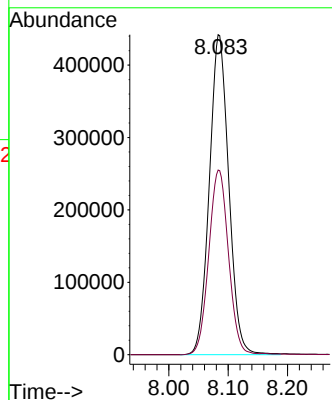
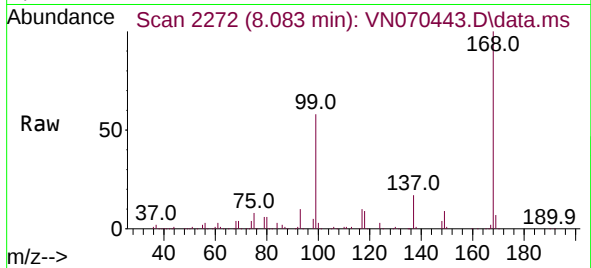




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

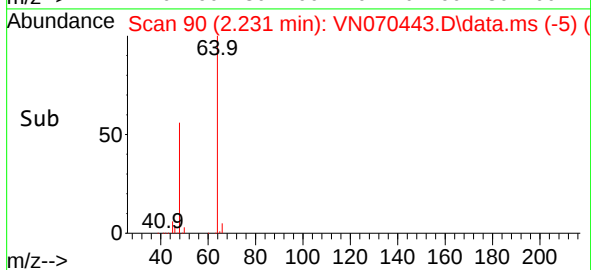
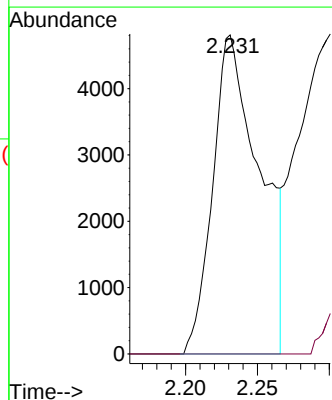
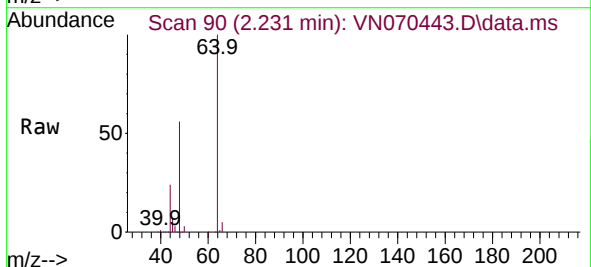
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

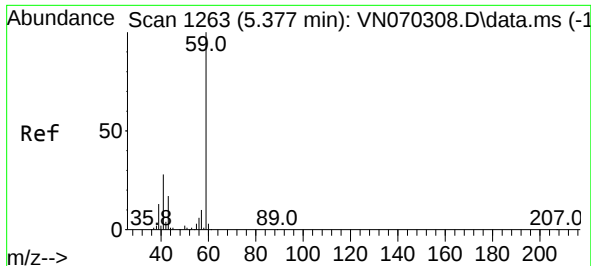
Tgt Ion:168 Resp: 1001829
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.705 ug/l
RT: 2.231 min Scan# 90
Delta R.T. -0.072 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 50 Resp: 10895
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

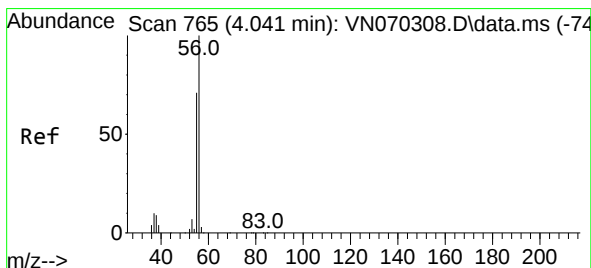
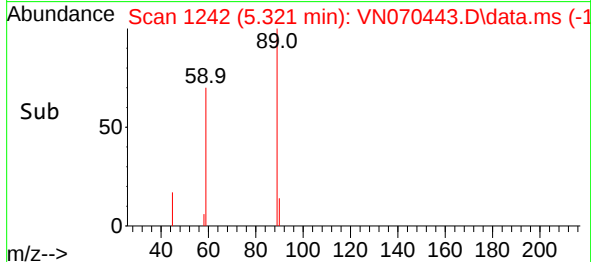
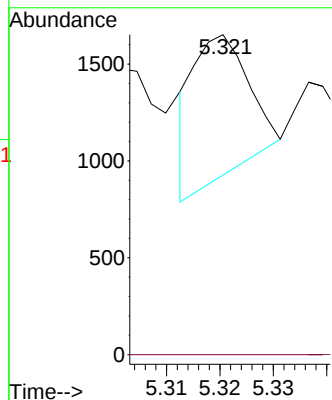
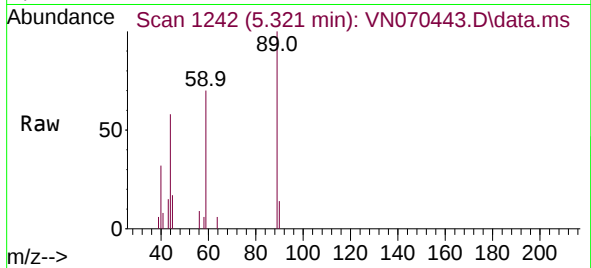




#11
Tert butyl alcohol
Concen: 0.226 ug/l
RT: 5.321 min Scan# 11
Delta R.T. -0.056 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

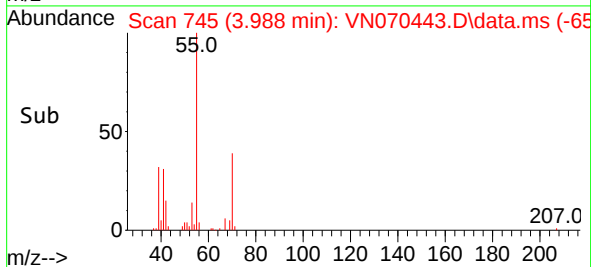
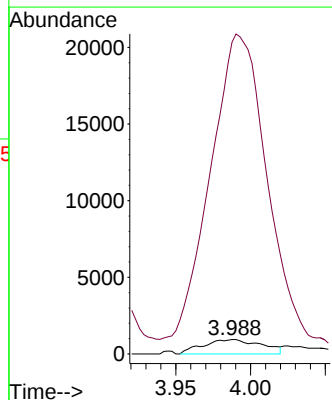
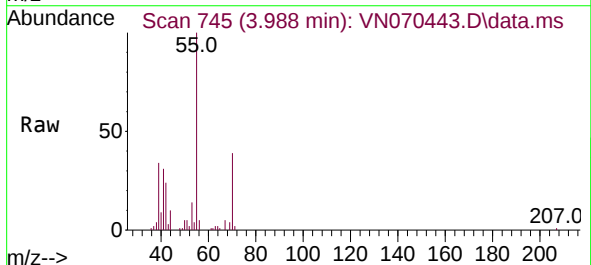
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

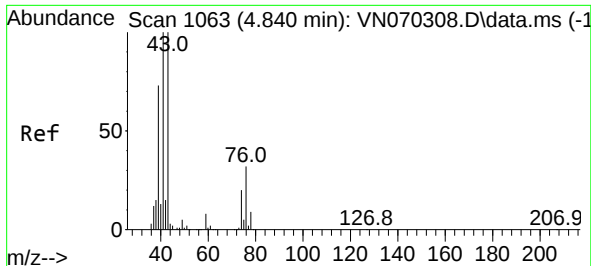
Tgt Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 1.326 ug/l
RT: 3.988 min Scan# 745
Delta R.T. -0.053 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 56 Resp: 2580
Ion Ratio Lower Upper
56 100
55 2160.3 56.6 85.0#





#14

Allyl chloride

Concen: 1.522 ug/l

RT: 5.079 min Scan# 1152

Delta R.T. 0.239 min

Lab File: VN070443.D

Acq: 3 Jan 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MW-6S

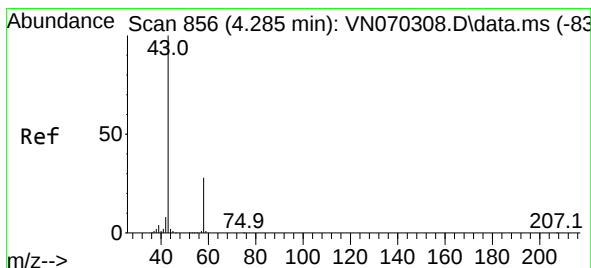
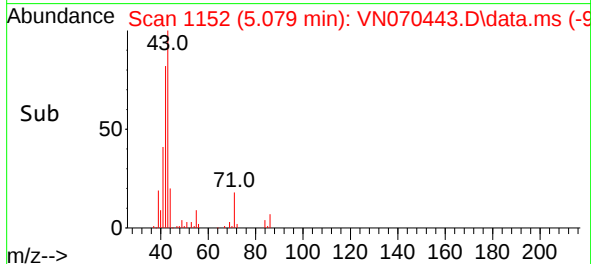
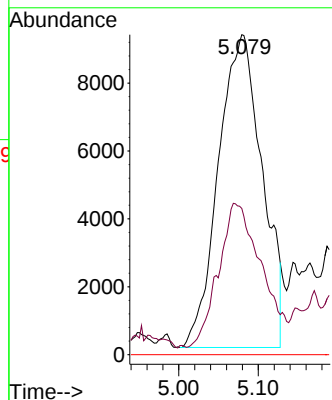
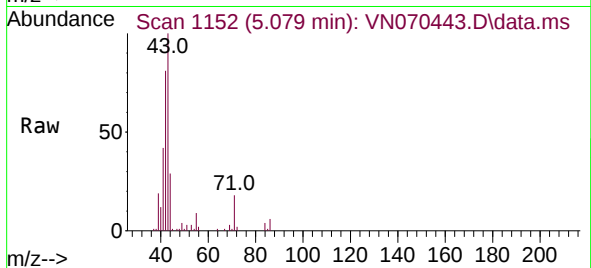
Tgt Ion: 41 Resp: 35204

Ion Ratio Lower Upper

41 100

39 43.4 61.2 91.8#

76 0.0 26.0 39.0#



#16

Acetone

Concen: 11.491 ug/l

RT: 4.288 min Scan# 857

Delta R.T. 0.003 min

Lab File: VN070443.D

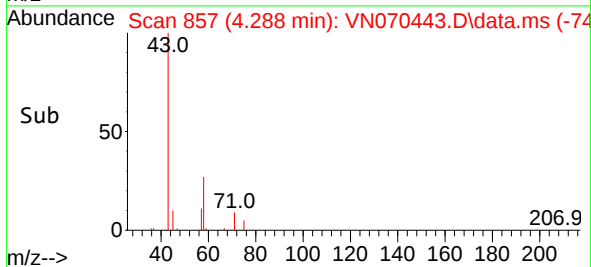
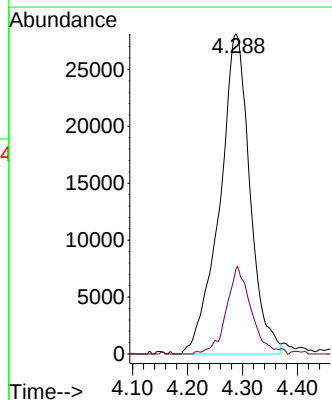
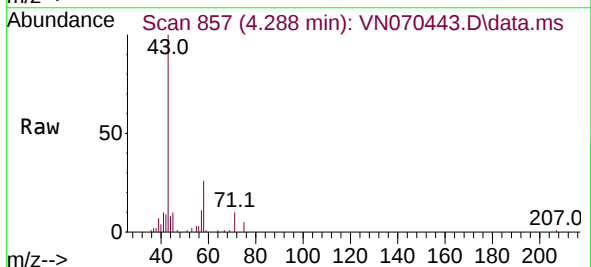
Acq: 3 Jan 2022 17:42

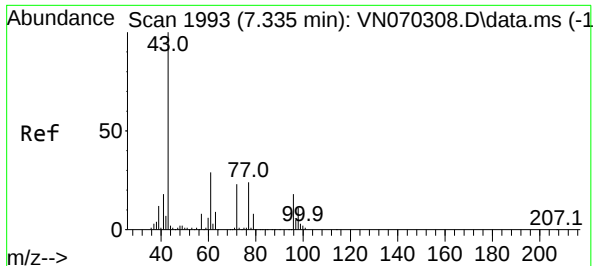
Tgt Ion: 43 Resp: 107449

Ion Ratio Lower Upper

43 100

58 26.4 23.1 34.7





#25

2-Butanone

Concen: 0.724 ug/l

RT: 7.340 min Scan# 1993

Delta R.T. 0.005 min

Lab File: VN070443.D

Acq: 3 Jan 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

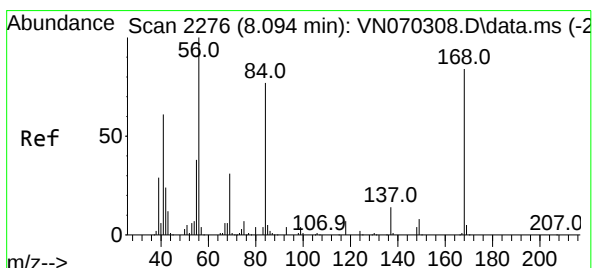
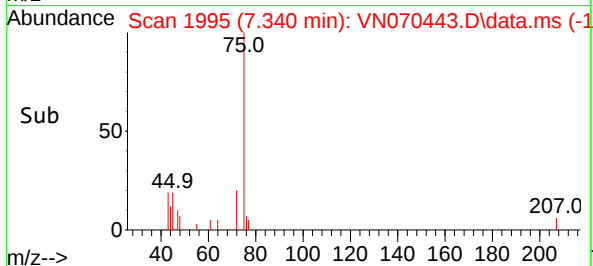
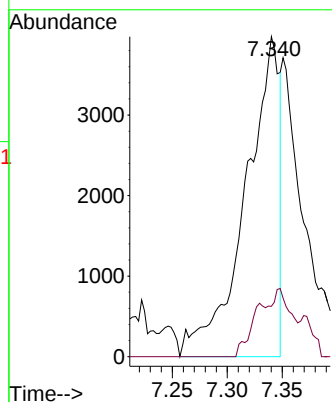
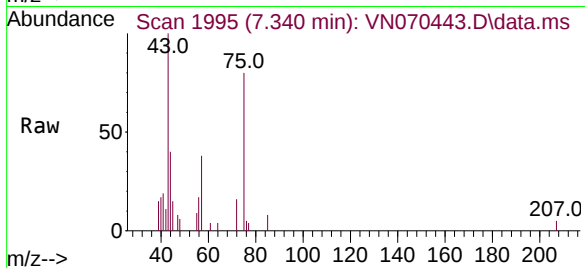
MW-6S

Tgt Ion: 43 Resp: 8519

Ion Ratio Lower Upper

43 100

72 15.7 21.7 32.5#



#31

Cyclohexane

Concen: 1.215 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.014 min

Lab File: VN070443.D

Acq: 3 Jan 2022 17:42

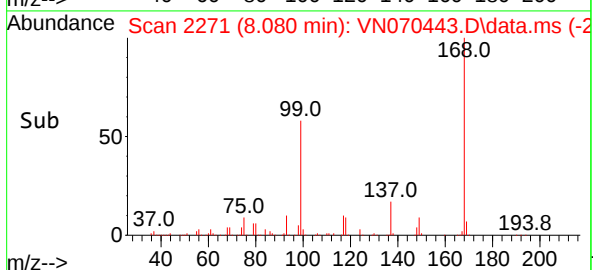
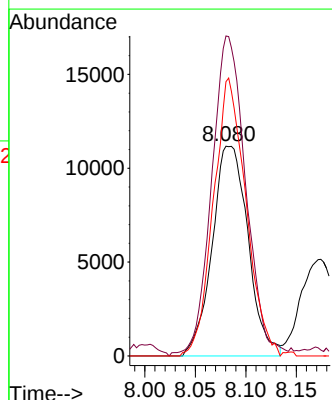
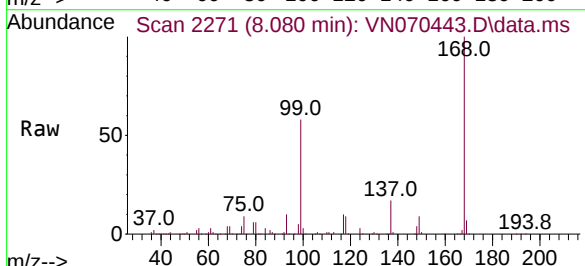
Tgt Ion: 56 Resp: 27624

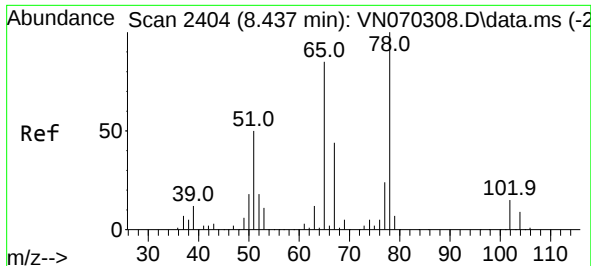
Ion Ratio Lower Upper

56 100

69 150.7 27.1 40.7#

84 130.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 50.532 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070443.D

Acq: 3 Jan 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

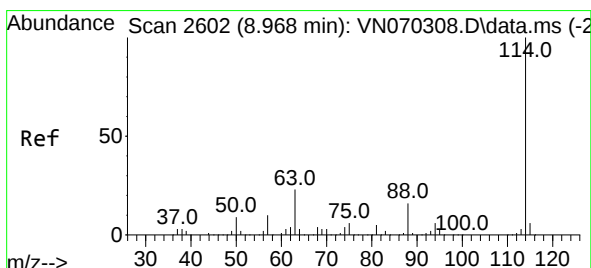
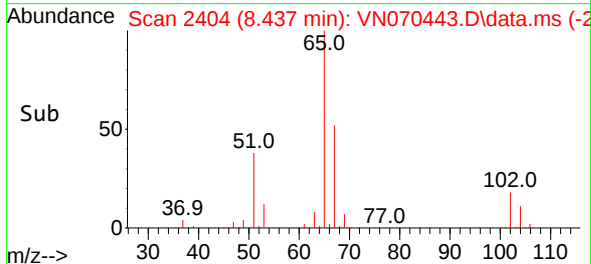
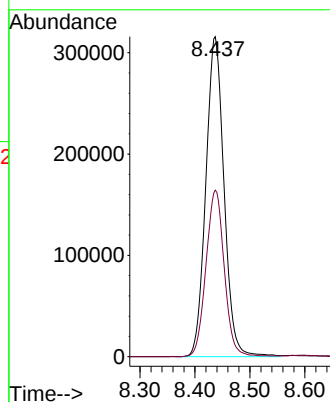
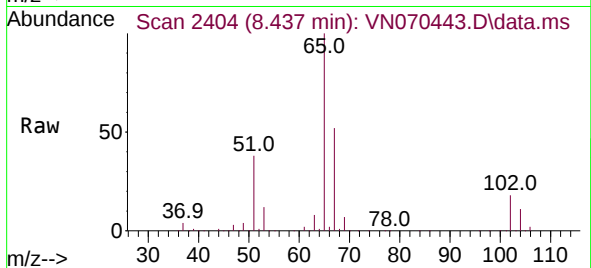
MW-6S

Tgt Ion: 65 Resp: 727885

Ion Ratio Lower Upper

65 100

67 52.4 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: VN070443.D

Acq: 3 Jan 2022 17:42

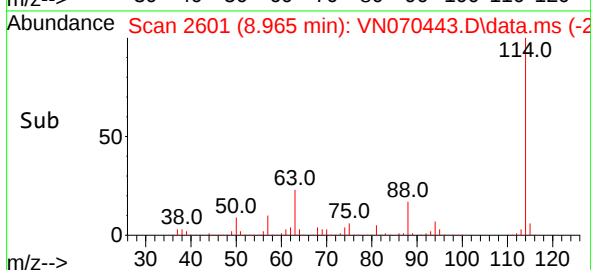
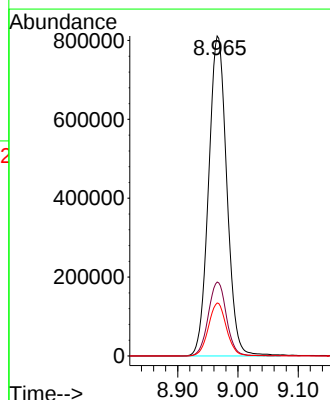
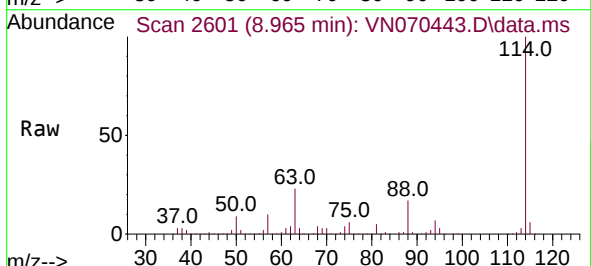
Tgt Ion: 114 Resp: 1702709

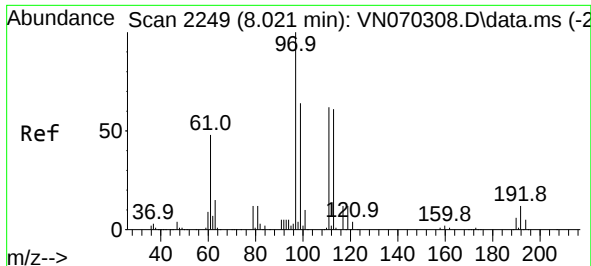
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

88 16.5 0.0 27.4

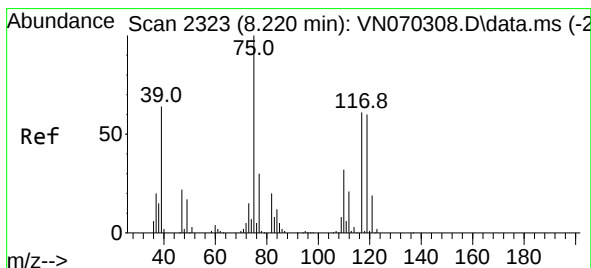
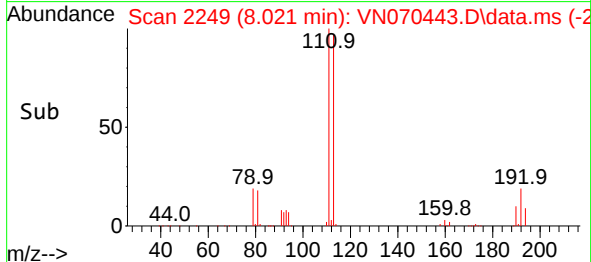
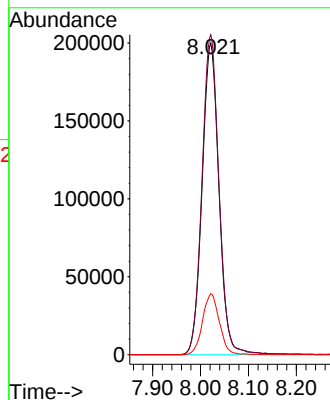
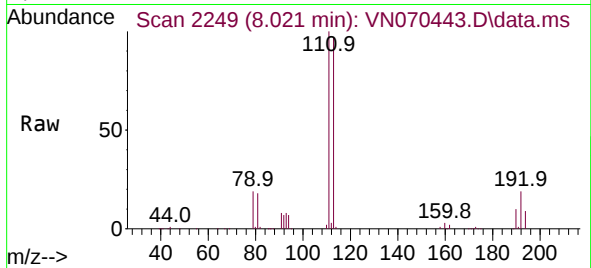




#35
Dibromofluoromethane
Concen: 47.650 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

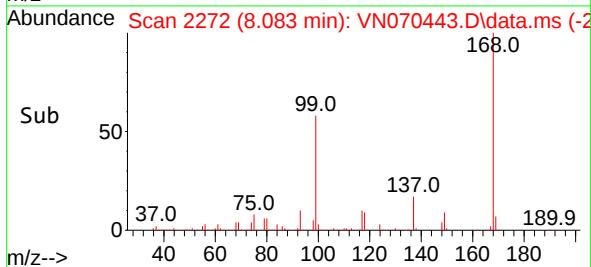
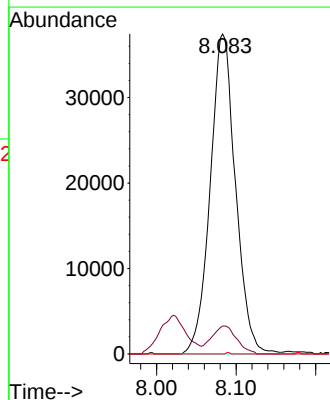
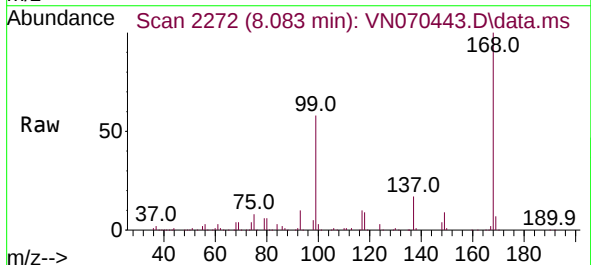
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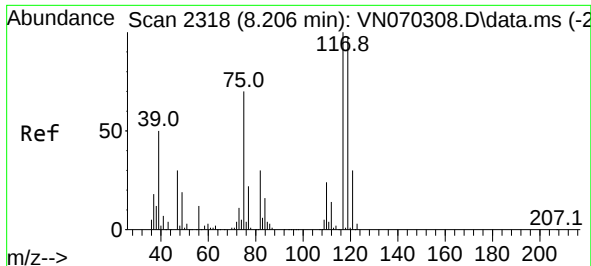
Tgt Ion:113 Resp: 490900
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 75 Resp: 82840
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.1 24.4 36.6#

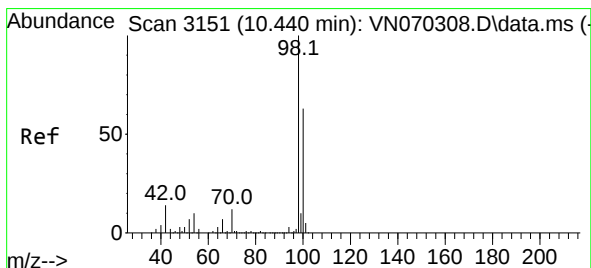
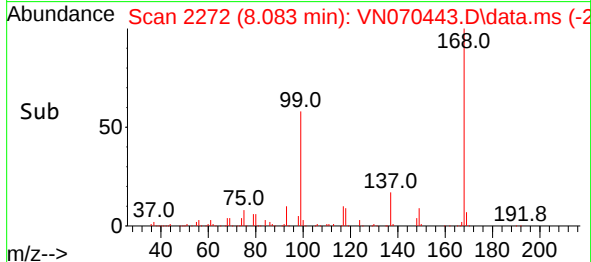
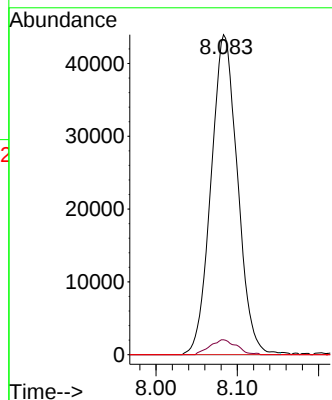
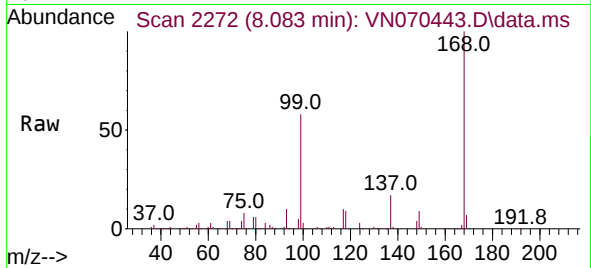




#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

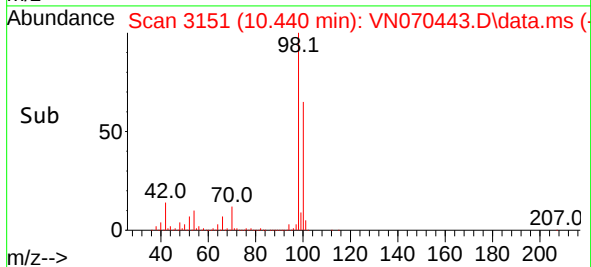
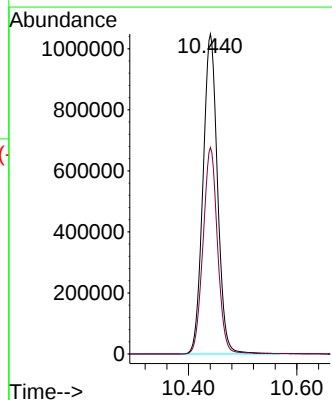
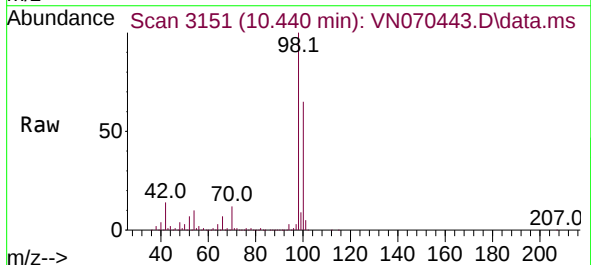
Instrument :
MSVOA_N
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MW-6S

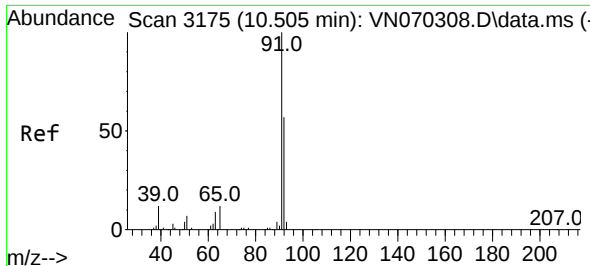
Tgt Ion:117 Resp: 99614
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.450 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 98 Resp: 1954897
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6

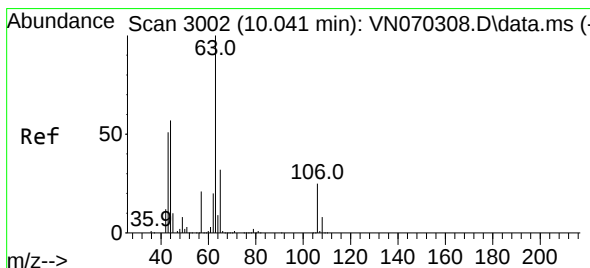
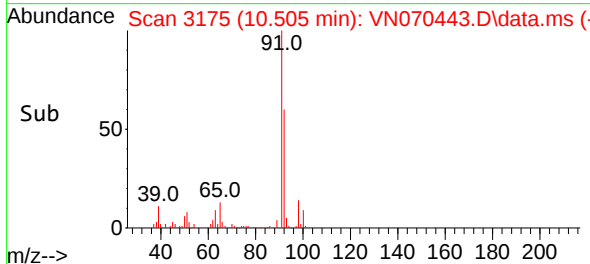
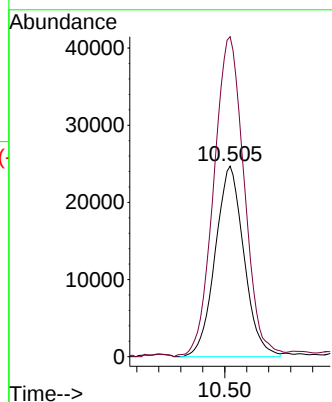
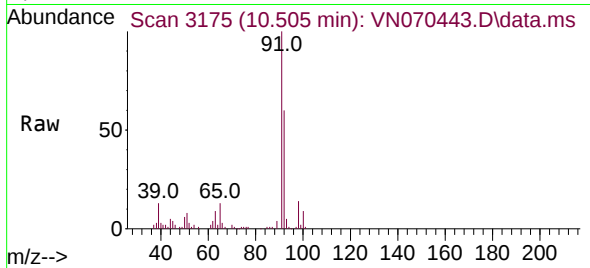




#52
Toluene
Concen: 1.418 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

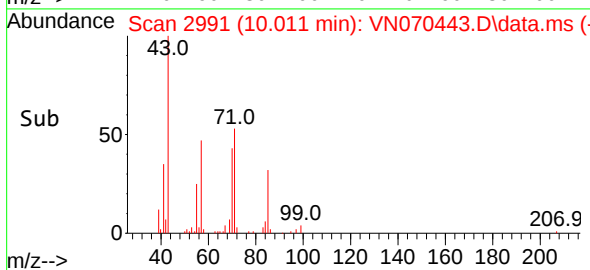
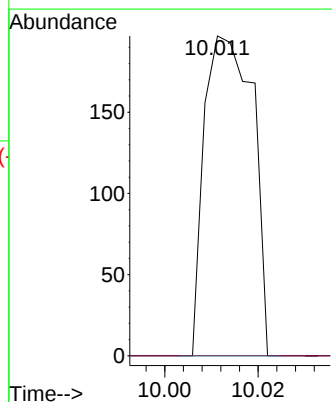
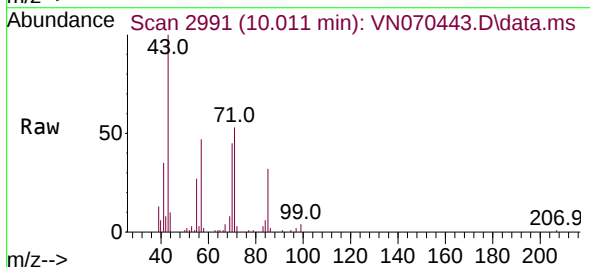
Instrument : MSVOA_N
ClientSampleId : MW-6S

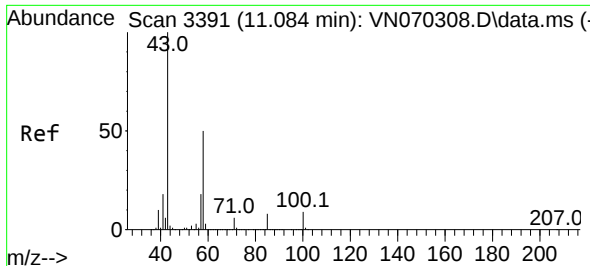
Tgt Ion: 92 Resp: 44848
Ion Ratio Lower Upper
92 100
91 177.8 142.0 213.0



#58
2-Chloroethyl Vinyl ether
Concen: 18.538 ug/l
RT: 10.011 min Scan# 2991
Delta R.T. -0.030 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 63 Resp: 142
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

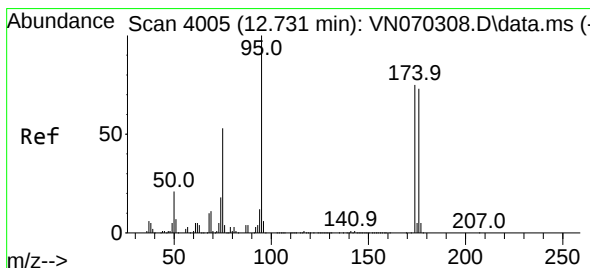
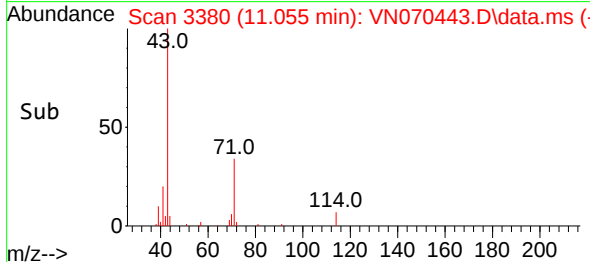
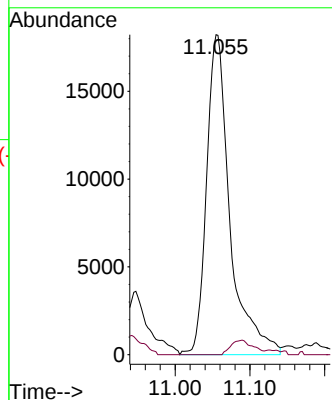
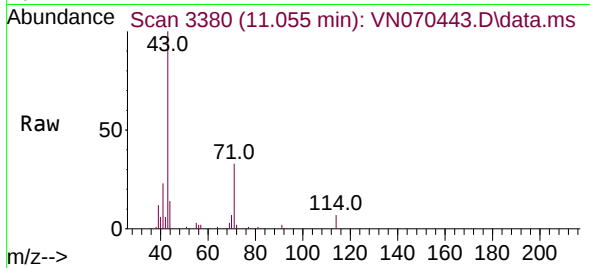




#59
2-Hexanone
Concen: 2.482 ug/l
RT: 11.055 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

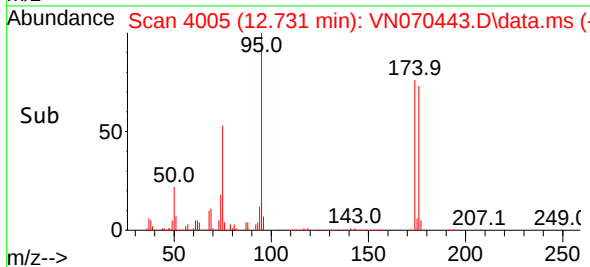
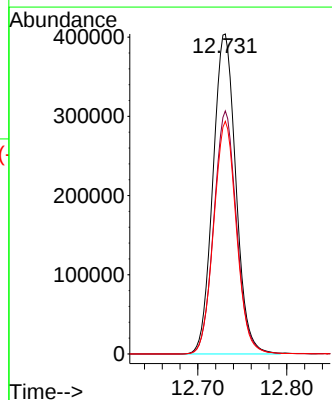
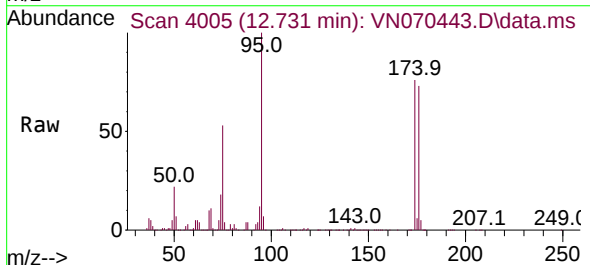
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

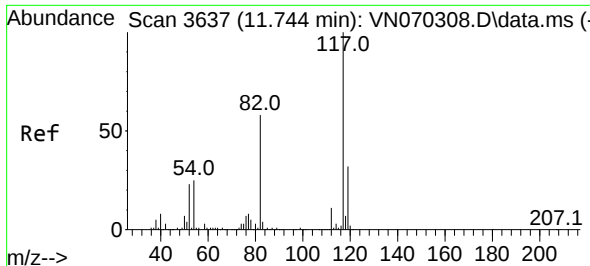
Tgt Ion: 43 Resp: 39618
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.533 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 95 Resp: 722517
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.4 0.0 181.4



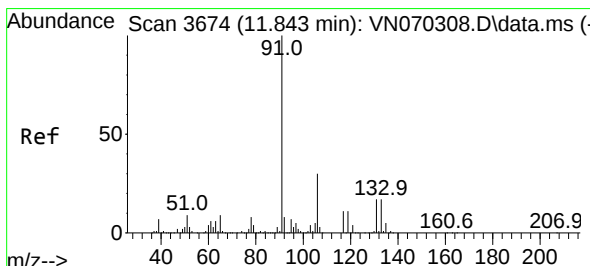
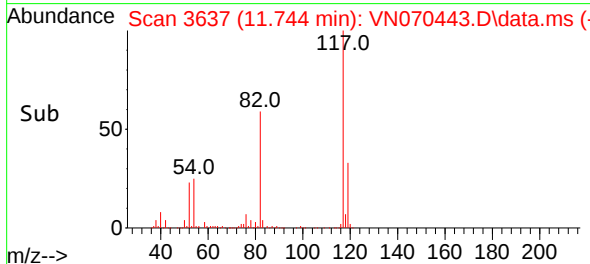
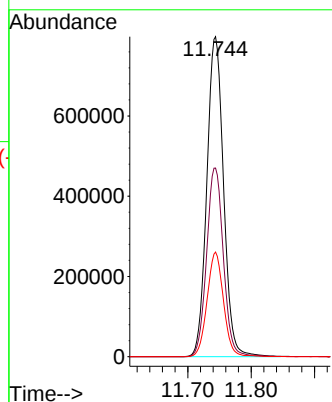
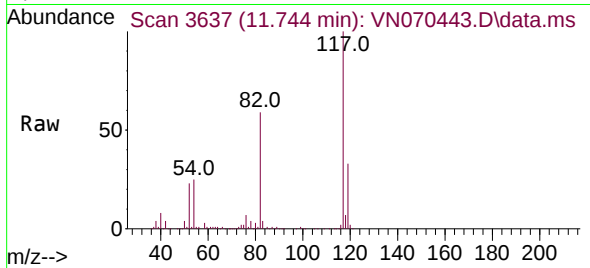


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :
MW-6S

Tgt Ion:117 Resp: 1463901

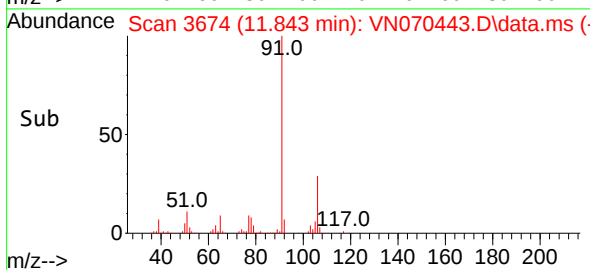
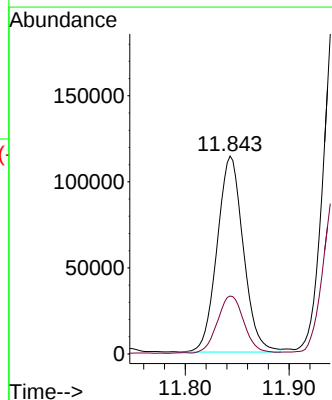
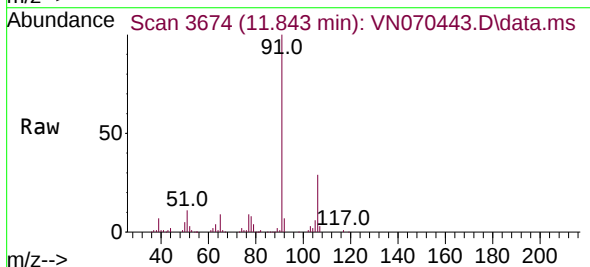
Ion	Ratio	Lower	Upper
117	100		
82	59.0	42.4	63.6
119	32.7	25.4	38.2

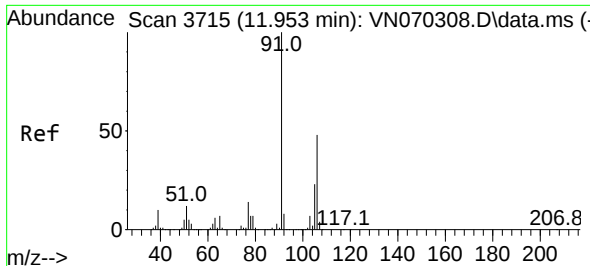


#67
Ethyl Benzene
Concen: 3.504 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 91 Resp: 199399

Ion	Ratio	Lower	Upper
91	100		
106	29.0	25.7	38.5

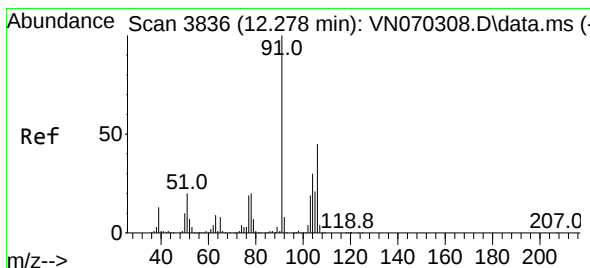
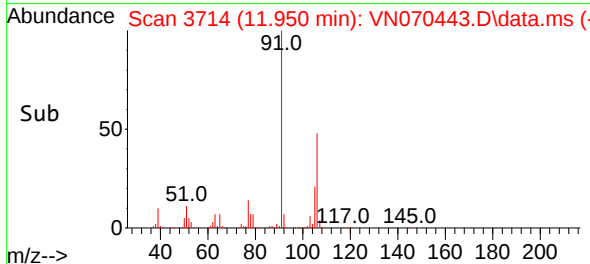
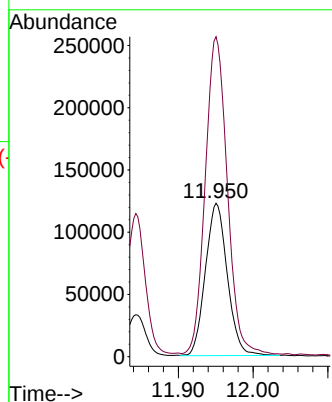
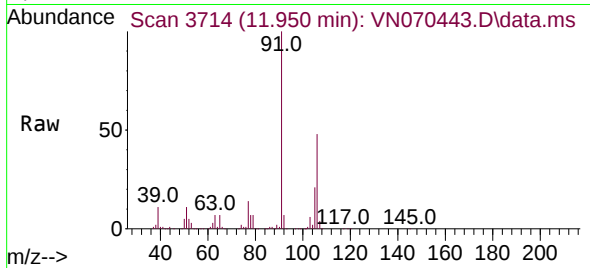




#68
m/p-Xylenes
Concen: 12.045 ug/l
RT: 11.950 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

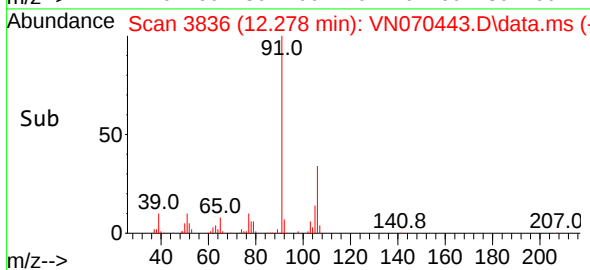
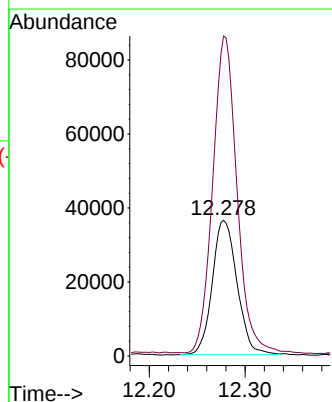
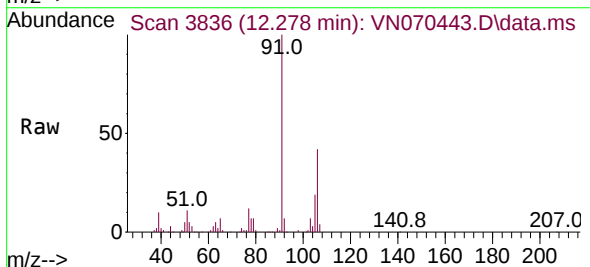
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

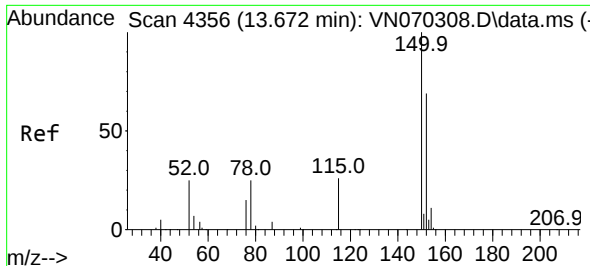
Tgt Ion:106 Resp: 249522
Ion Ratio Lower Upper
106 100
91 209.4 160.6 240.8



#69
o-Xylene
Concen: 3.161 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion:106 Resp: 65124
Ion Ratio Lower Upper
106 100
91 232.6 105.8 317.3

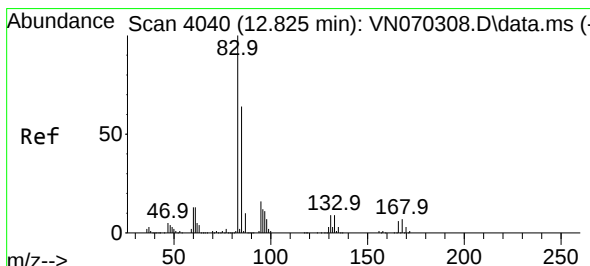
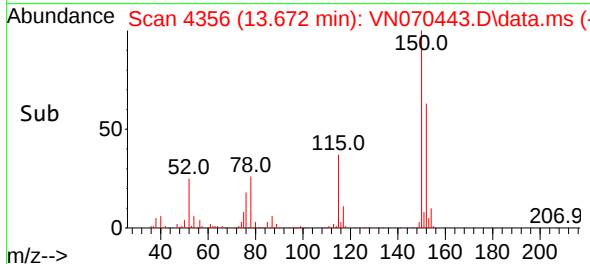
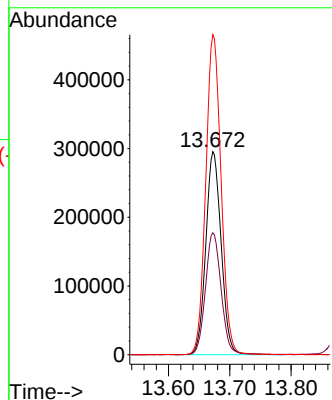
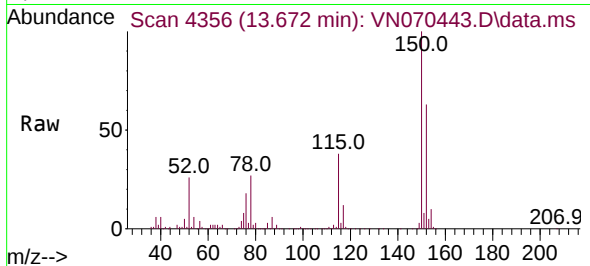




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.672 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070443.D
 Acq: 3 Jan 2022 17:42

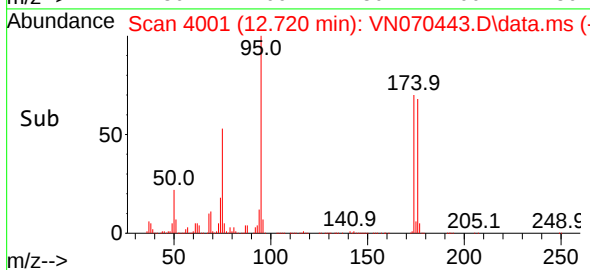
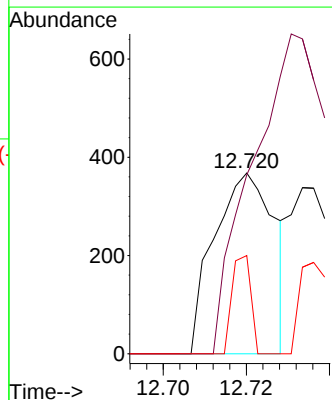
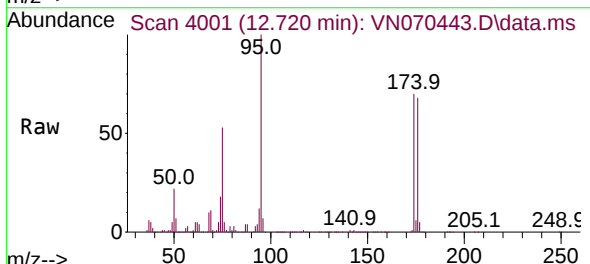
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6S

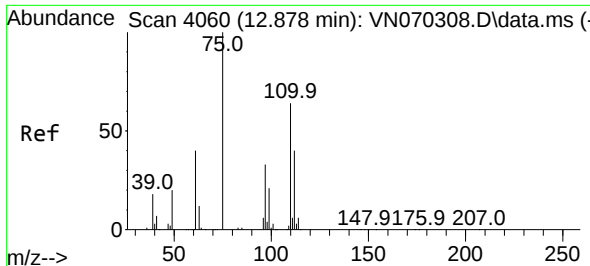
Tgt Ion:152 Resp: 513582
 Ion Ratio Lower Upper
 152 100
 115 61.6 27.5 82.5
 150 157.4 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.468 ug/l
 RT: 12.720 min Scan# 4001
 Delta R.T. -0.105 min
 Lab File: VN070443.D
 Acq: 3 Jan 2022 17:42

Tgt Ion: 83 Resp: 370
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 17.0 32.4 97.2#

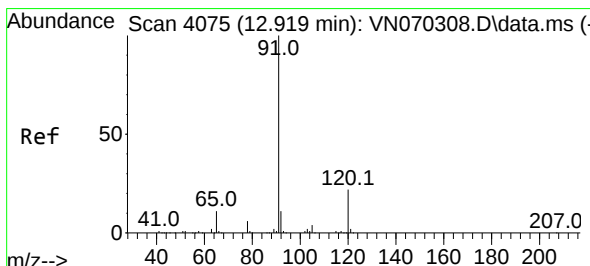
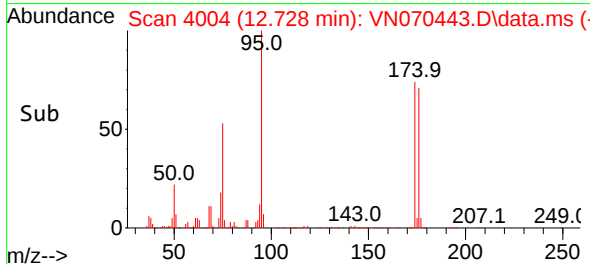
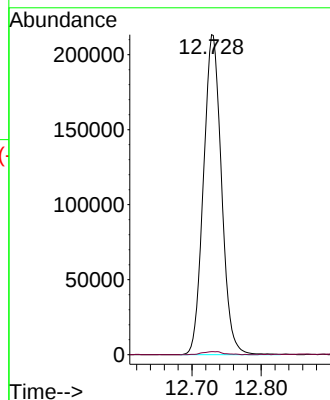
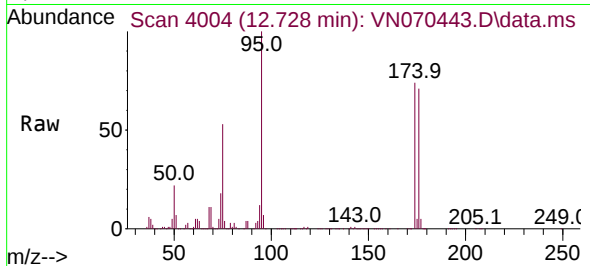




#76
1,2,3-Trichloropropane
Concen: 26.697 ug/l
RT: 12.728 min Scan# 4060
Delta R.T. -0.150 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

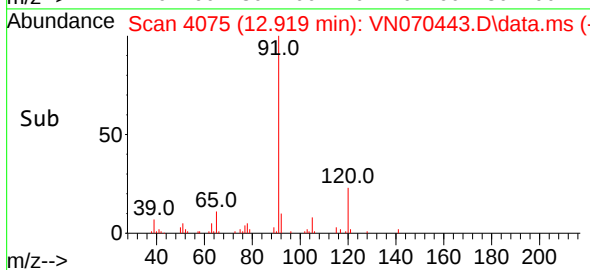
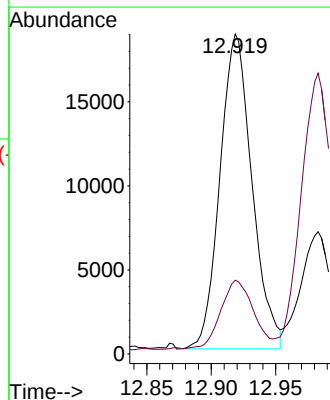
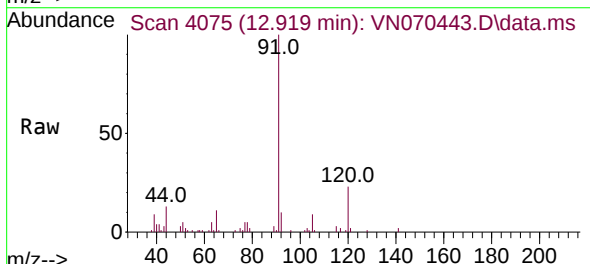
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

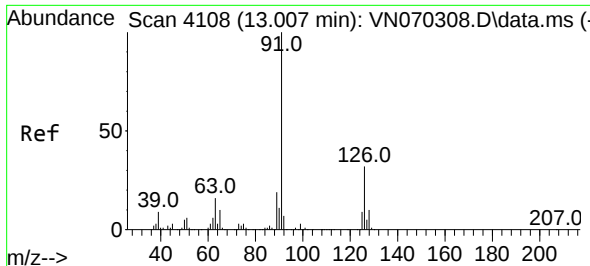
Tgt Ion: 75 Resp: 385423
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#78
n-propylbenzene
Concen: 0.613 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 91 Resp: 32379
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.9

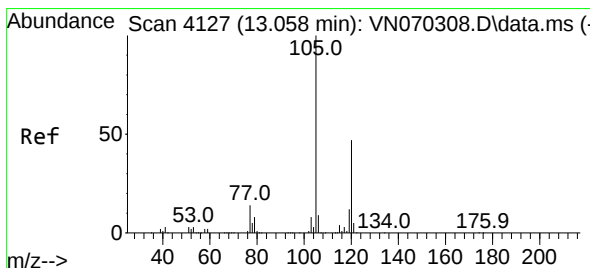
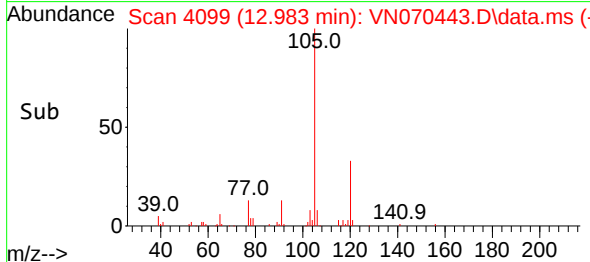
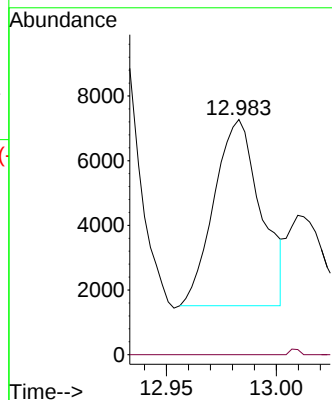
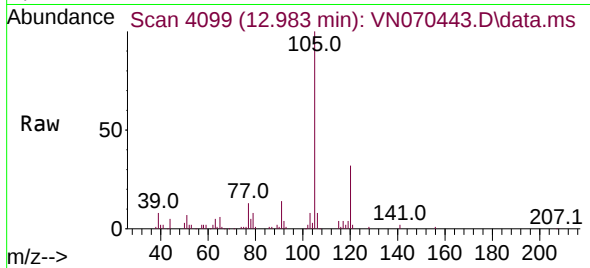




#79
2-Chlorotoluene
Concen: 0.251 ug/l
RT: 12.983 min Scan# 4099
Delta R.T. -0.024 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

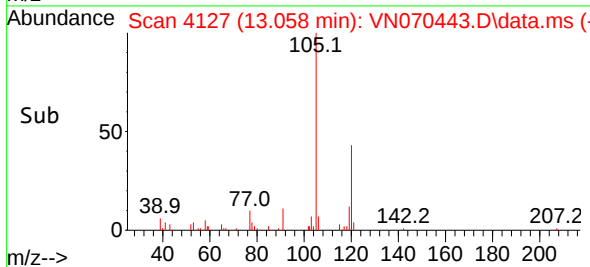
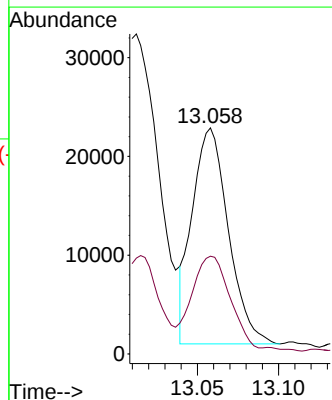
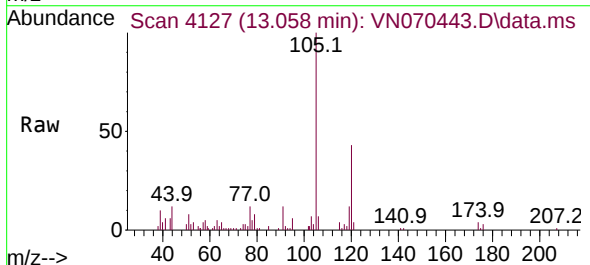
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

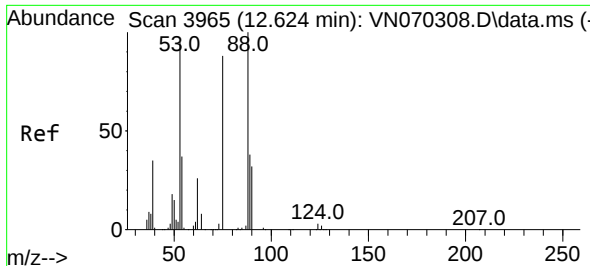
Tgt Ion: 91 Resp: 8527
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.886 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. 0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 105 Resp: 33874
Ion Ratio Lower Upper
105 100
120 44.2 24.6 73.6

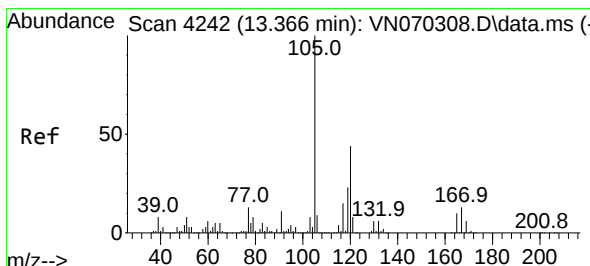
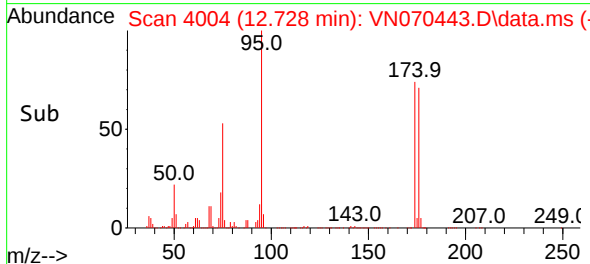
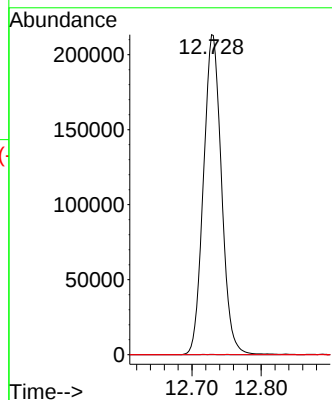
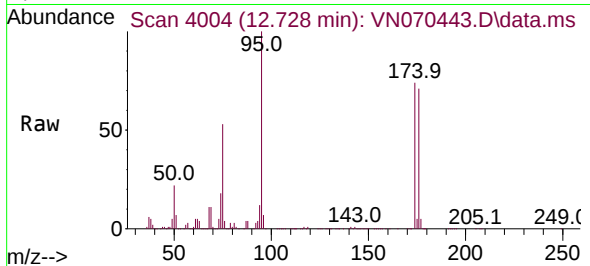




#81
trans-1,4-Dichloro-2-butene
Concen: 91.689 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

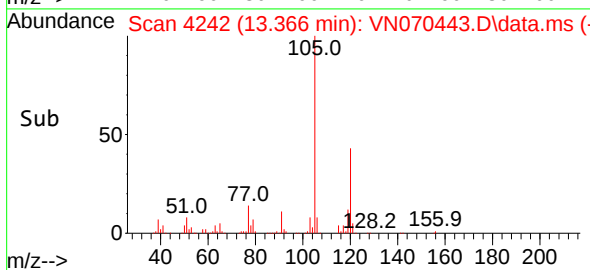
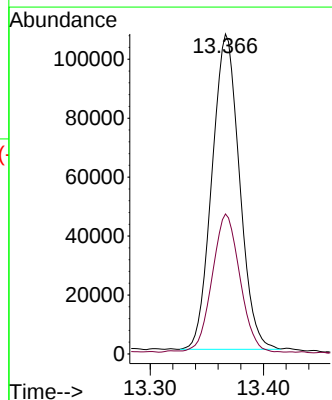
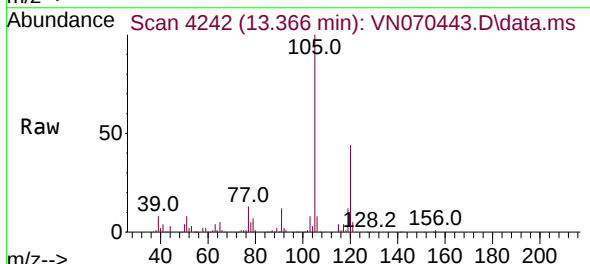
Instrument :
MSVOA_N
ClientSampleId :
MW-6S

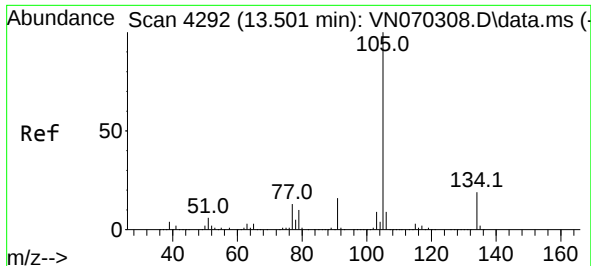
Tgt Ion: 75 Resp: 385423
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 4.899 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion: 105 Resp: 180286
Ion Ratio Lower Upper
105 100
120 44.0 22.8 68.4

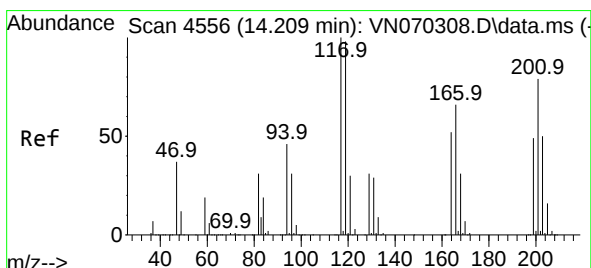
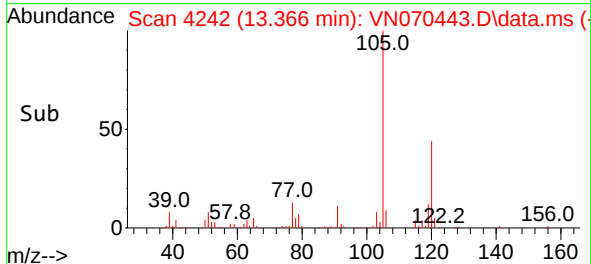
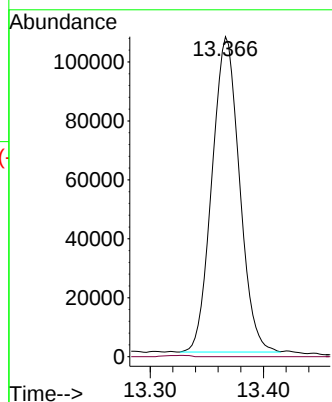
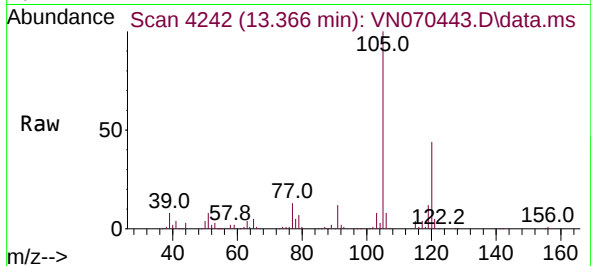




#85
 sec-Butylbenzene
 Concen: 3.946 ug/l
 RT: 13.366 min Scan# 41
 Delta R.T. -0.135 min
 Lab File: VN070443.D
 Acq: 3 Jan 2022 17:42

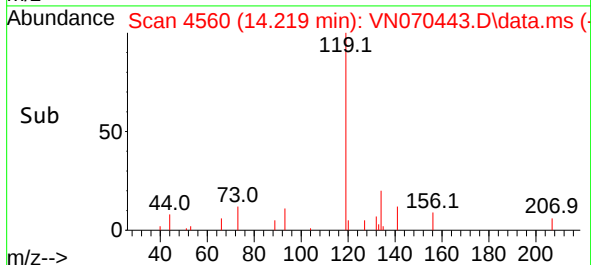
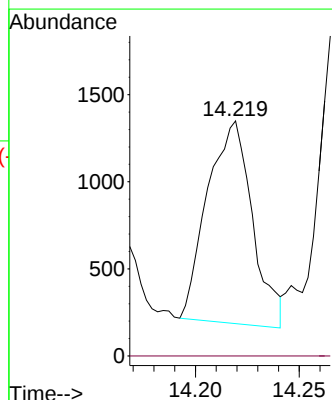
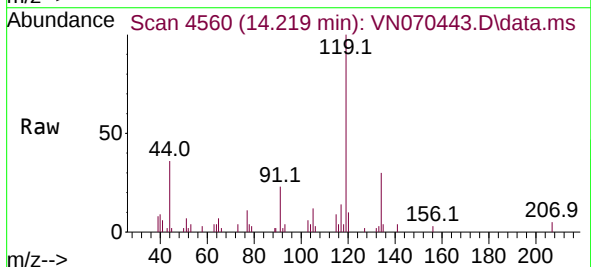
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6S

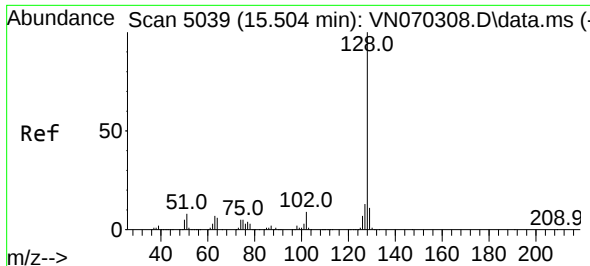
Tgt Ion:105 Resp: 180286
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.281 ug/l
 RT: 14.219 min Scan# 4560
 Delta R.T. 0.010 min
 Lab File: VN070443.D
 Acq: 3 Jan 2022 17:42

Tgt Ion:117 Resp: 1749
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.9 131.6#

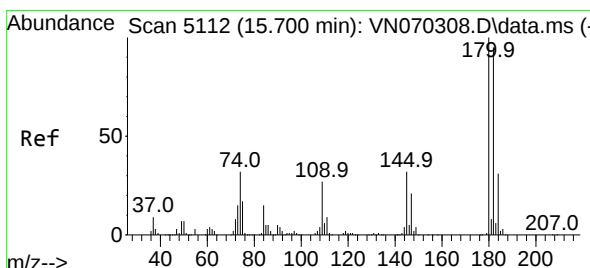
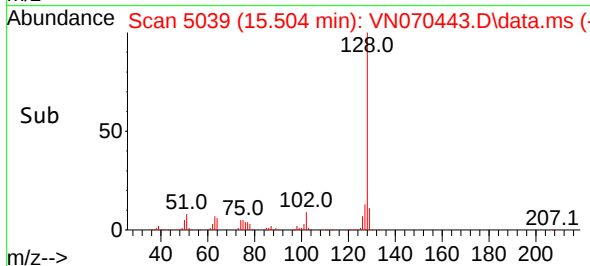
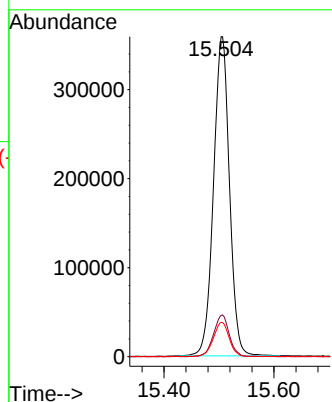
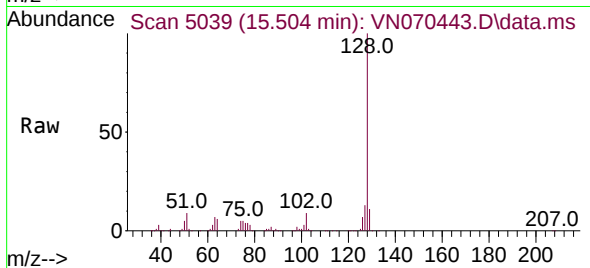




#95
Naphthalene
Concen: 31.556 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Instrument :
MSVOA_N
ClientSampleId :
MW-6S

Tgt Ion:128 Resp: 722316
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.878 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.000 min
Lab File: VN070443.D
Acq: 3 Jan 2022 17:42

Tgt Ion:180 Resp: 428
Ion Ratio Lower Upper
180 100
182 84.1 47.4 142.2
145 0.0 15.0 45.1#

