

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071445.D
 Acq On : 22 Mar 2022 02:56
 Operator : JC\MD
 Sample : N2015-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

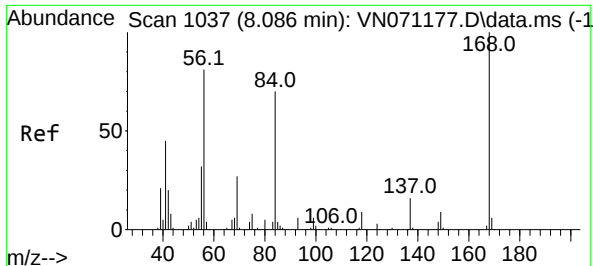
Quant Time: Mar 22 06:30:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	731716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1232861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1195334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	448504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	478068	47.671	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.340%
35) Dibromofluoromethane	8.022	113	360476	46.335	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.660%
50) Toluene-d8	10.439	98	1549293	49.461	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.727	95	575485	54.255	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.269	85	10109	1.261	ug/l	96
3) Chloromethane	2.293	50	5046	0.434	ug/l #	71
4) Vinyl Chloride	2.440	62	57339	5.834	ug/l	99
5) Bromomethane	2.875	94	1501	Below Cal		85
6) Chloroethane	2.963	64	1527	0.257	ug/l #	76
16) Acetone	4.299	43	12787	2.621	ug/l	95
18) Methyl Acetate	4.857	43	10278	1.247	ug/l #	89
19) Methyl tert-butyl Ether	5.616	73	87546	3.179	ug/l #	81
20) Methylene Chloride	5.099	84	2265	0.634	ug/l #	82
25) 2-Butanone	7.322	43	3738	0.476	ug/l #	79
27) cis-1,2-Dichloroethene	7.322	96	53735	5.643	ug/l	99
31) Cyclohexane	8.081	56	16589	1.036	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	57594	4.620	ug/l #	49
38) Carbon Tetrachloride	8.081	117	72420	6.007	ug/l #	17
43) Isopropyl Acetate	8.610	43	142199	5.543	ug/l #	55
48) Methyl methacrylate	9.592	41	11297	0.950	ug/l #	31
51) 4-Methyl-2-Pentanone	10.369	43	9921	0.623	ug/l #	71
55) 1,1,2-Trichloroethane	10.875	97	6239	0.673	ug/l #	33
58) 2-Chloroethyl Vinyl ether	10.022	63	746	28.074	ug/l #	45
71) Bromoform	12.722	173	3049	0.427	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.822	83	66	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	297295	25.994	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	297295	71.655	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	158	3.009	ug/l #	1
95) Naphthalene	15.498	128	1627	5.139	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.704	180	197	2.758	ug/l #	58

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

Quant Time: Mar 22 06:30:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

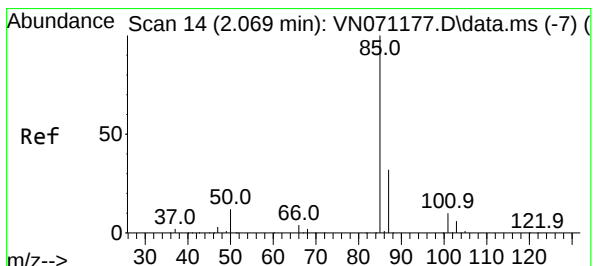
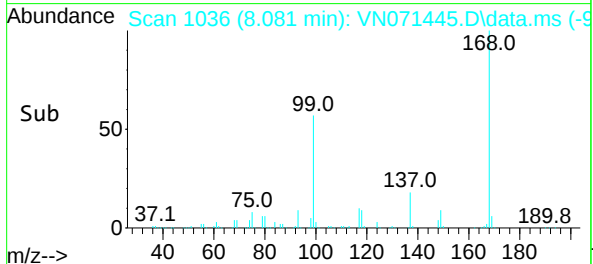
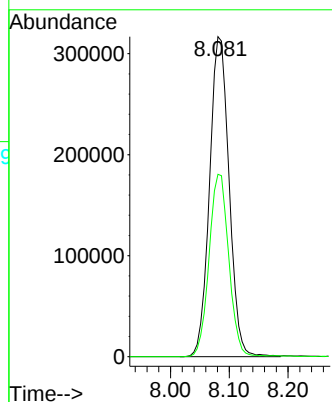
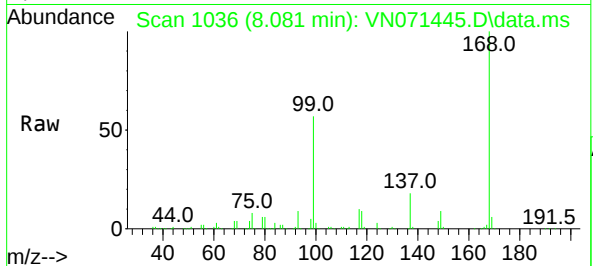




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

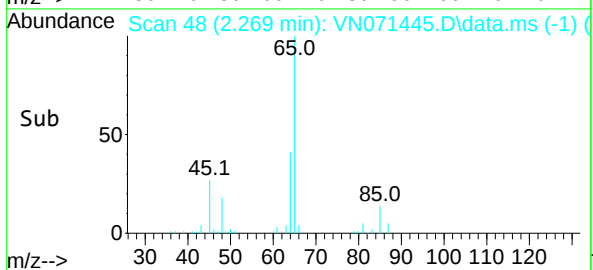
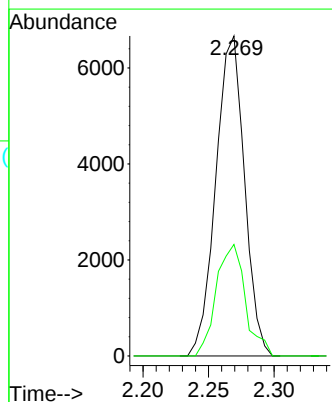
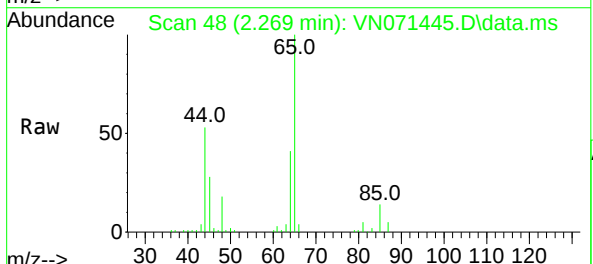
Instrument :
MSVOA_N
ClientSampleId :
MW-24

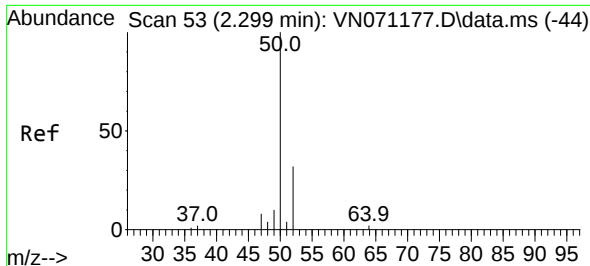
Tgt Ion:168 Resp: 731716
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.261 ug/l
RT: 2.269 min Scan# 48
Delta R.T. 0.200 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 85 Resp: 10109
Ion Ratio Lower Upper
85 100
87 34.9 16.3 48.9

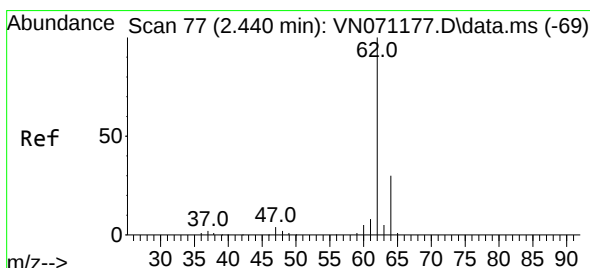
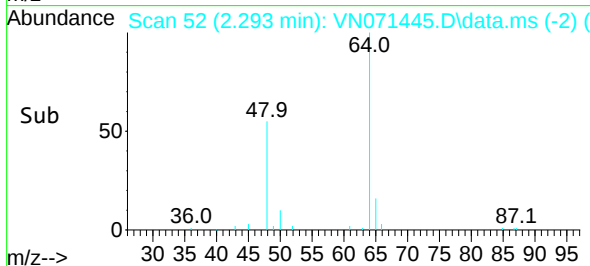
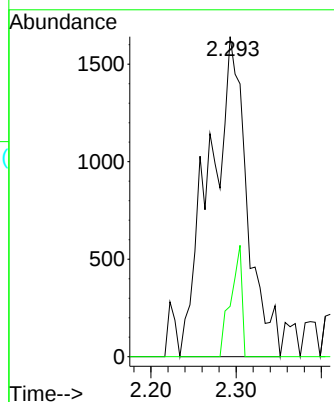
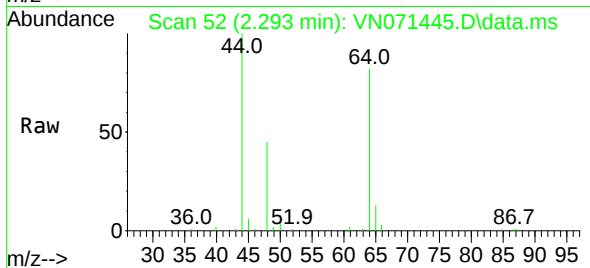




#3
Chloromethane
Concen: 0.434 ug/l
RT: 2.293 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

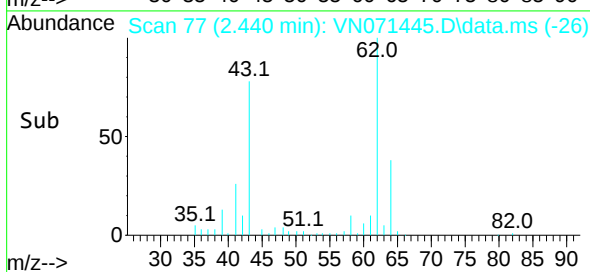
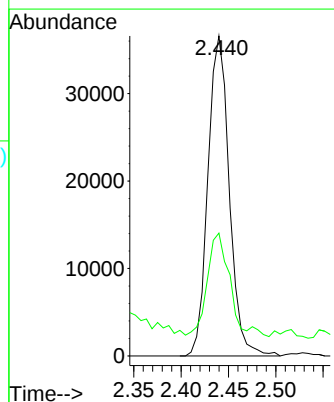
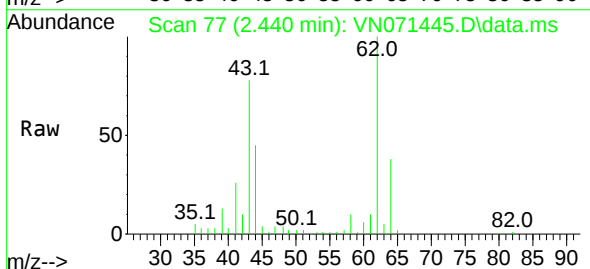
Instrument :
MSVOA_N
ClientSampleId :
MW-24

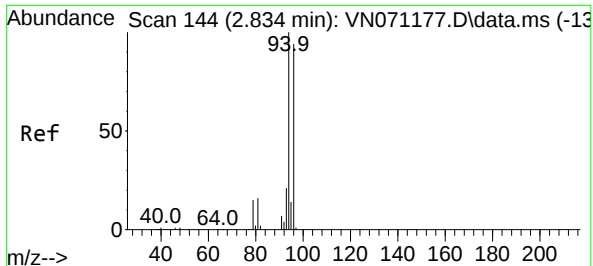
Tgt Ion: 50 Resp: 5046
Ion Ratio Lower Upper
50 100
52 15.8 25.4 38.0#



#4
Vinyl Chloride
Concen: 5.834 ug/l
RT: 2.440 min Scan# 77
Delta R.T. 0.000 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 62 Resp: 57339
Ion Ratio Lower Upper
62 100
64 31.5 25.8 38.6

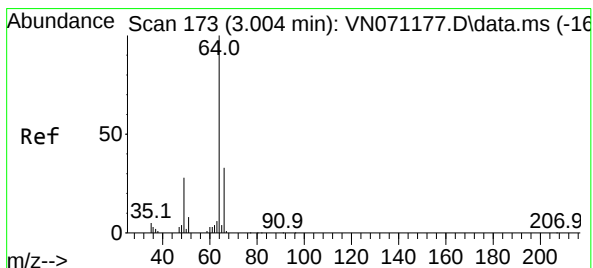
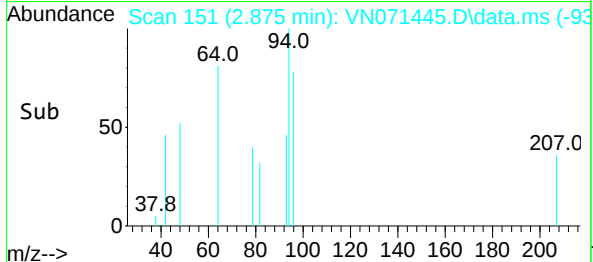
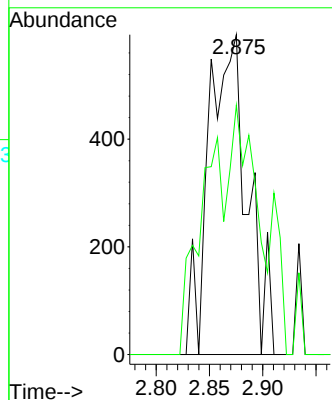
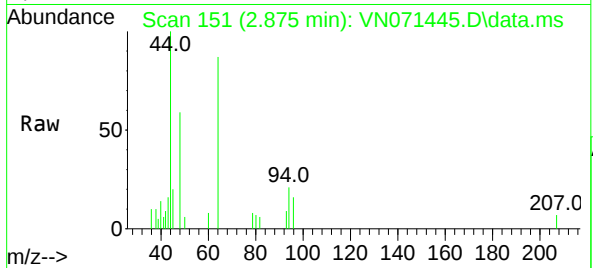




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

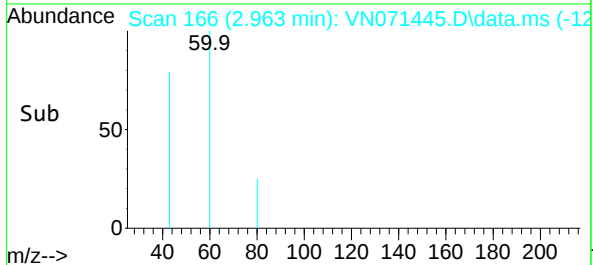
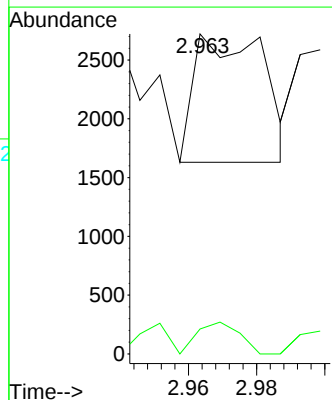
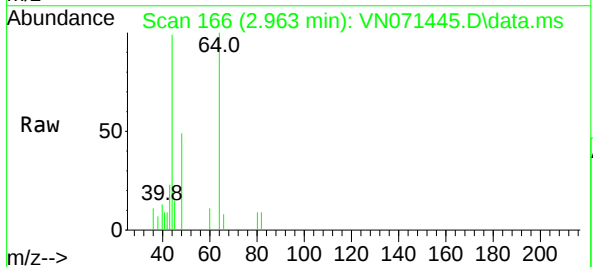
Instrument :
MSVOA_N
ClientSampleId :
MW-24

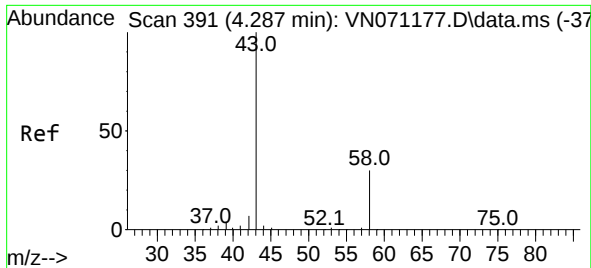
Tgt Ion: 94 Resp: 1501
Ion Ratio Lower Upper
94 100
96 77.9 73.8 110.8



#6
Chloroethane
Concen: 0.257 ug/l
RT: 2.963 min Scan# 166
Delta R.T. -0.041 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 64 Resp: 1527
Ion Ratio Lower Upper
64 100
66 19.4 26.3 39.5#





#16

Acetone

Concen: 2.621 ug/l

RT: 4.299 min Scan# 391

Delta R.T. 0.012 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

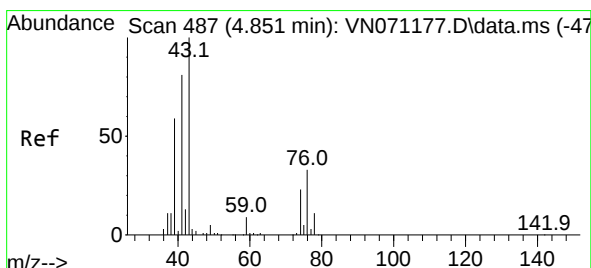
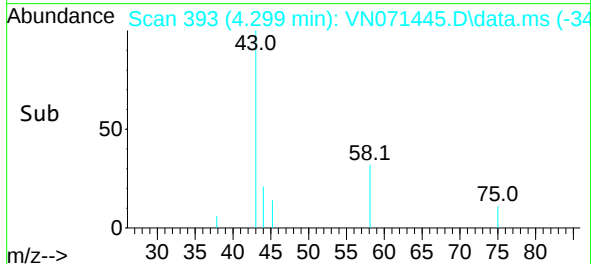
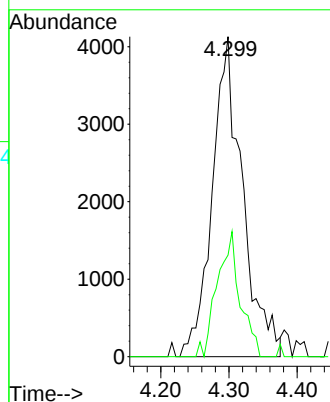
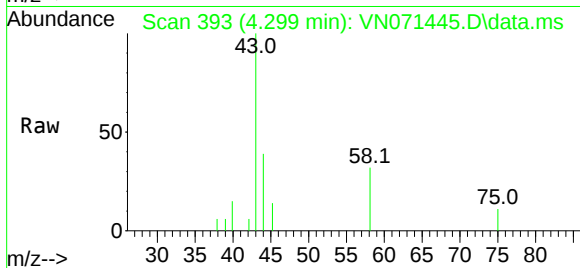
MW-24

Tgt Ion: 43 Resp: 12787

Ion Ratio Lower Upper

43 100

58 31.8 23.1 34.7



#18

Methyl Acetate

Concen: 1.247 ug/l

RT: 4.857 min Scan# 488

Delta R.T. 0.006 min

Lab File: VN071445.D

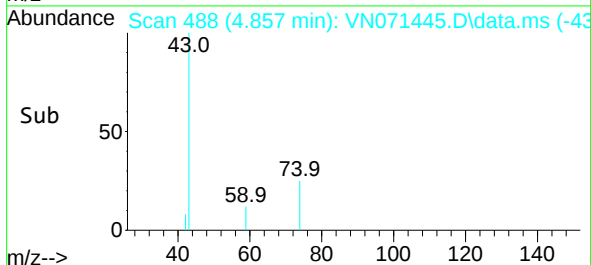
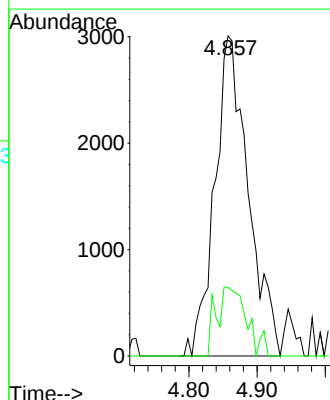
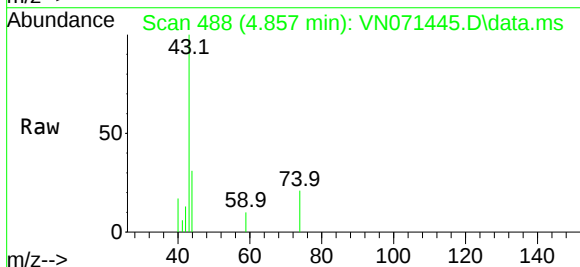
Acq: 22 Mar 2022 02:56

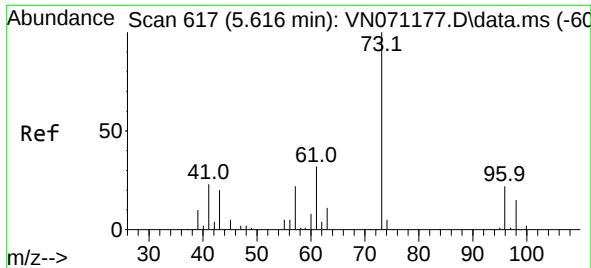
Tgt Ion: 43 Resp: 10278

Ion Ratio Lower Upper

43 100

74 18.7 19.4 29.2#

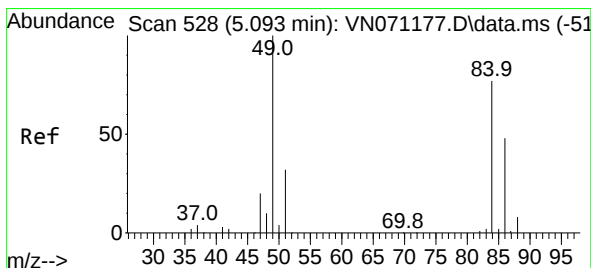
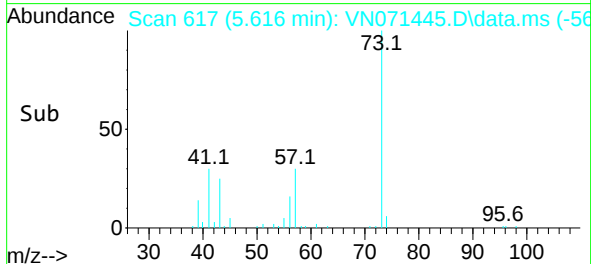
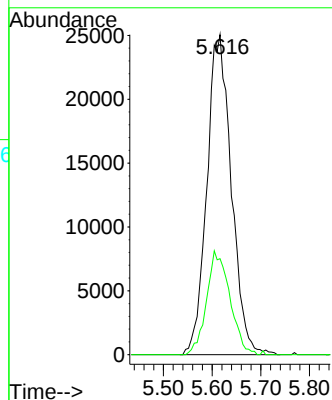
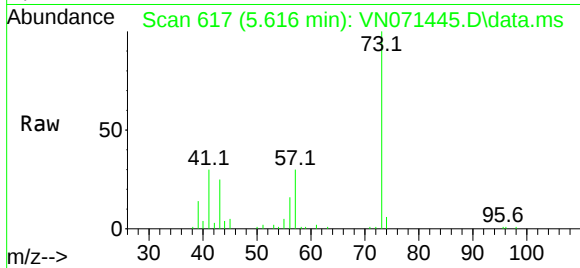




#19
Methyl tert-butyl Ether
Concen: 3.179 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.000 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

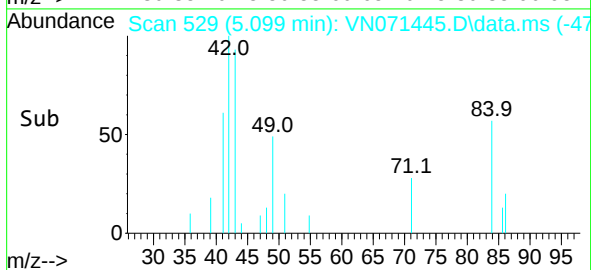
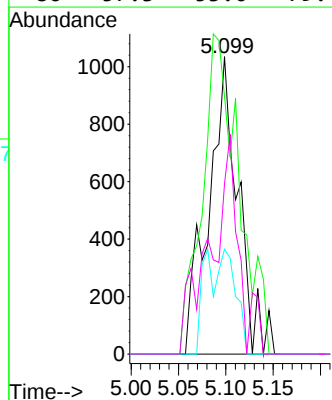
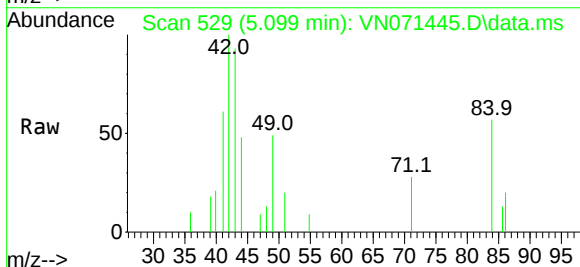
Instrument :
MSVOA_N
ClientSampleId :
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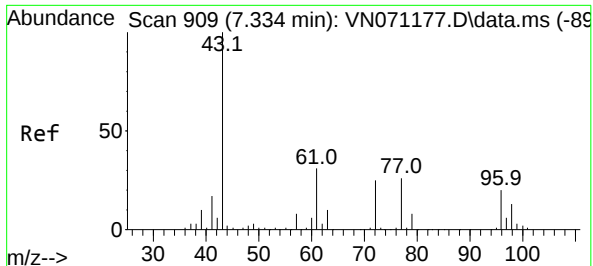
Tgt Ion: 73 Resp: 87546
Ion Ratio Lower Upper
73 100
57 30.0 16.8 25.2#



#20
Methylene Chloride
Concen: 0.634 ug/l
RT: 5.099 min Scan# 529
Delta R.T. 0.006 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 84 Resp: 2265
Ion Ratio Lower Upper
84 100
49 86.7 93.5 140.3#
51 35.3 29.4 44.2
86 57.3 53.0 79.4





#25

2-Butanone

Concen: 0.476 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.012 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

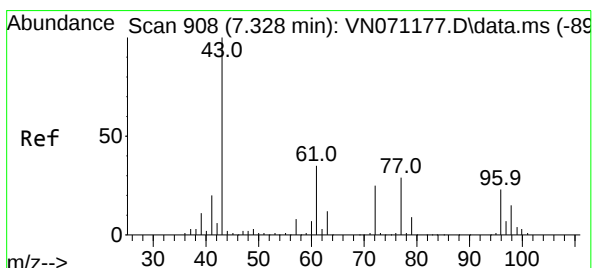
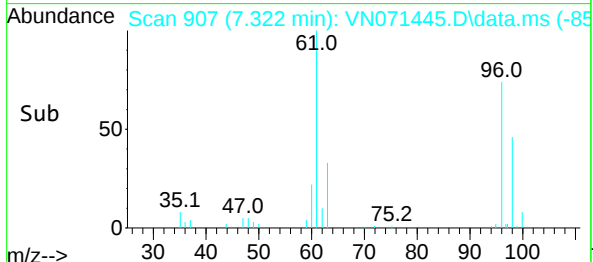
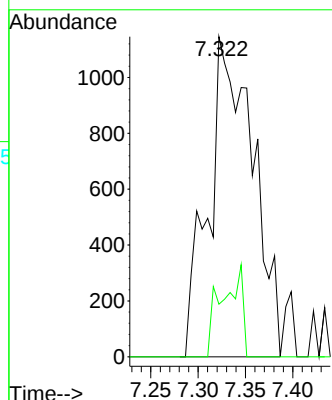
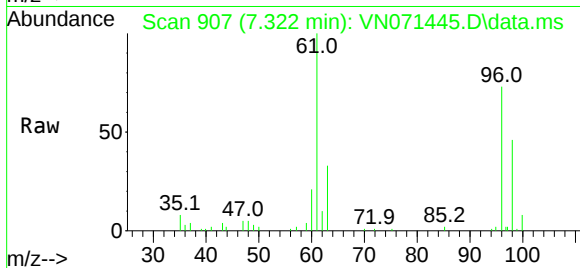
MW-24

Tgt Ion: 43 Resp: 3738

Ion Ratio Lower Upper

43 100

72 16.4 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 5.643 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.006 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

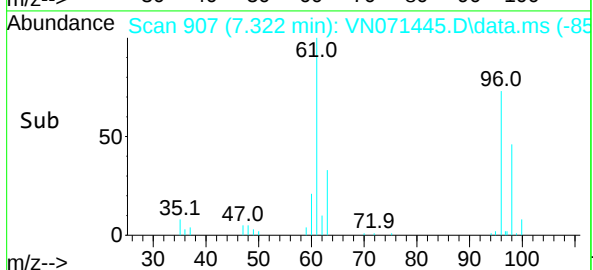
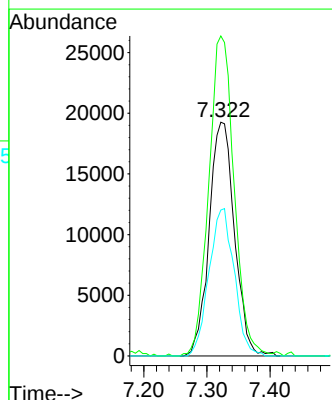
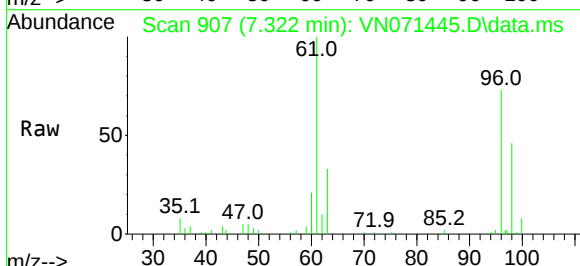
Tgt Ion: 96 Resp: 53735

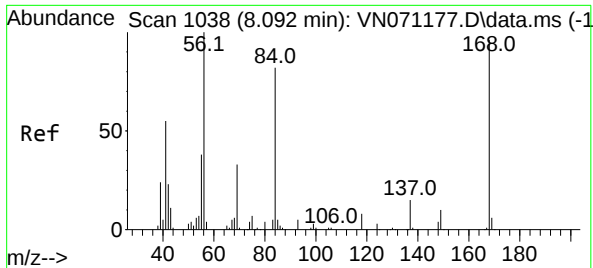
Ion Ratio Lower Upper

96 100

61 136.8 0.0 275.0

98 62.6 0.0 129.6

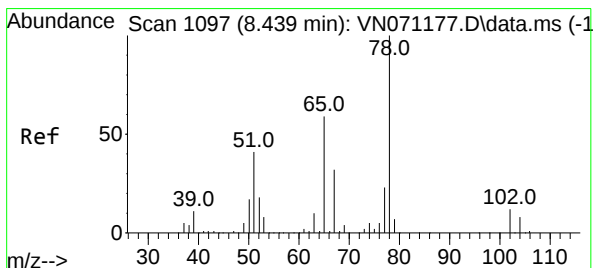
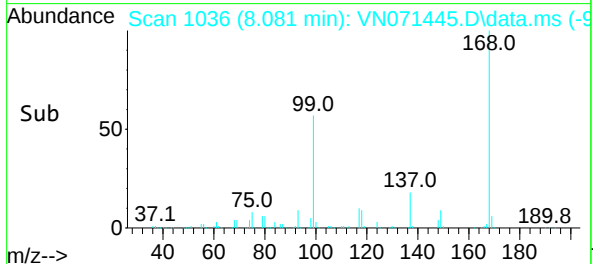
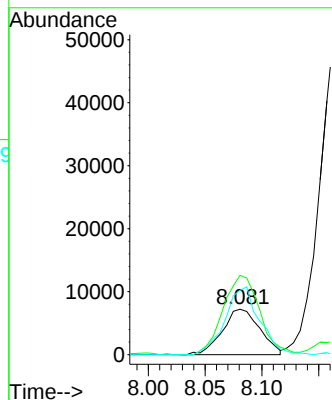
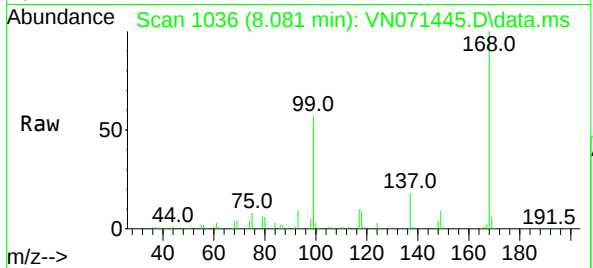




#31
Cyclohexane
Concen: 1.036 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

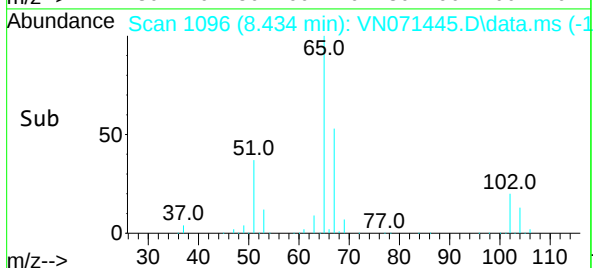
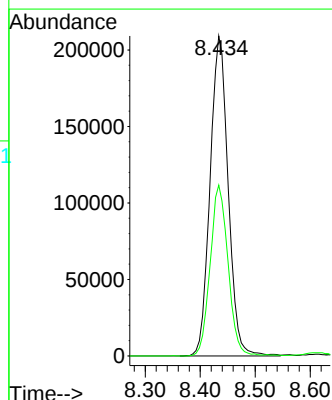
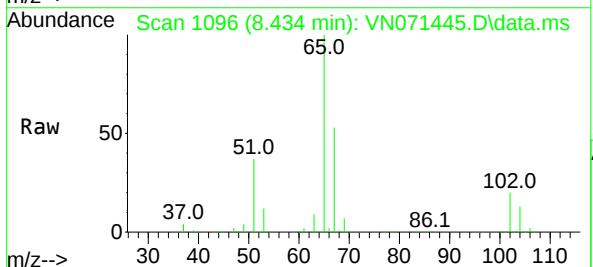
Instrument :
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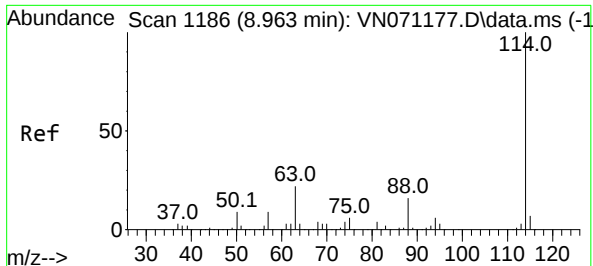
Tgt Ion: 56 Resp: 16589
Ion Ratio Lower Upper
56 100
69 174.7 27.1 40.7#
84 141.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.671 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 65 Resp: 478068
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

MW-24

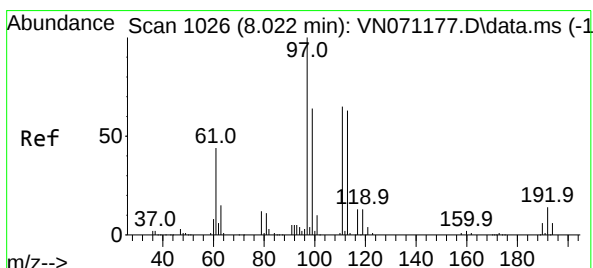
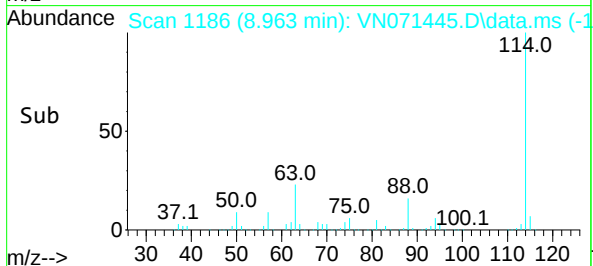
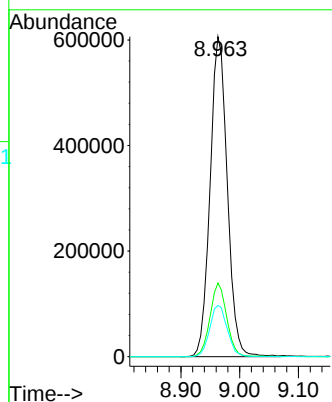
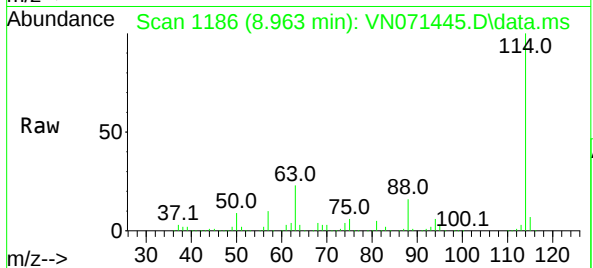
Tgt Ion:114 Resp: 1232861

Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.335 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

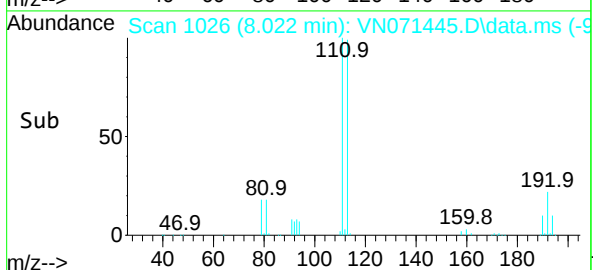
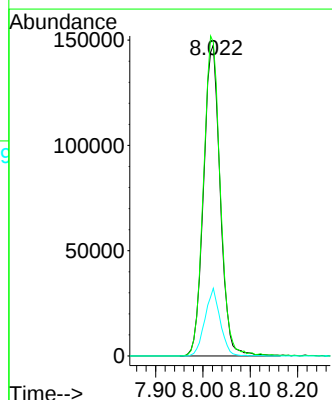
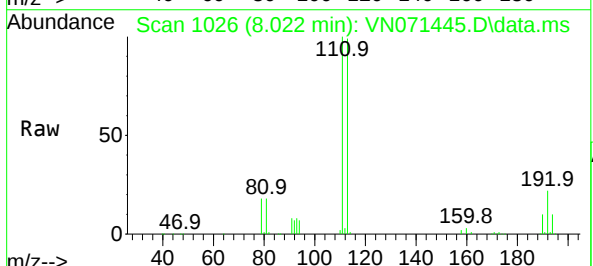
Tgt Ion:113 Resp: 360476

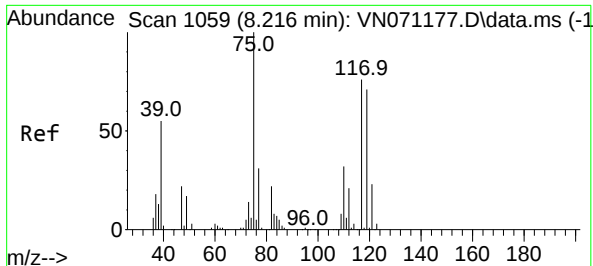
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 19.9 16.9 25.3

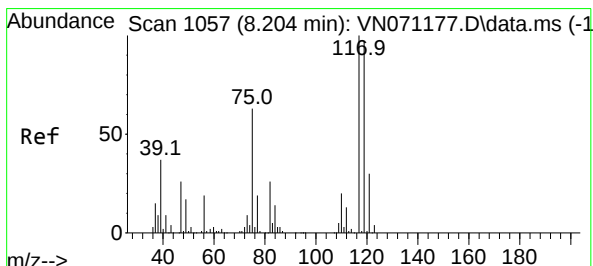
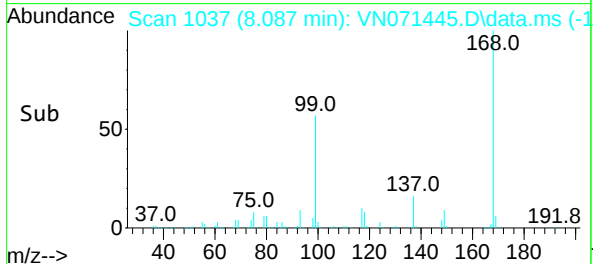
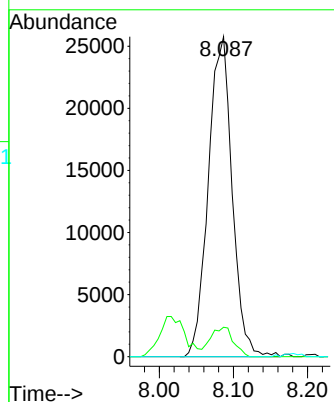
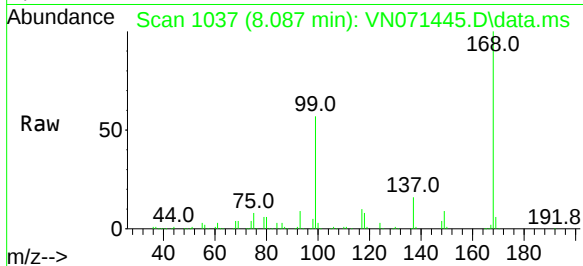




#36
1,1-Dichloropropene
Concen: 4.620 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

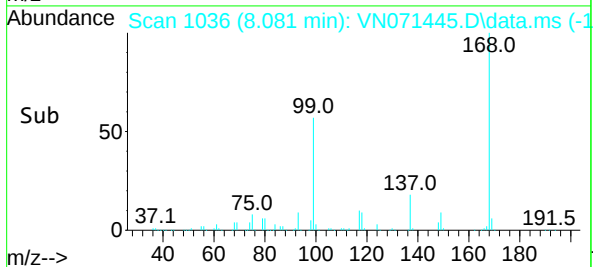
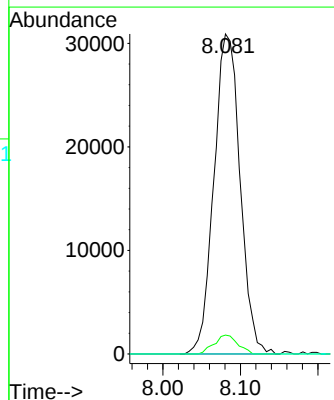
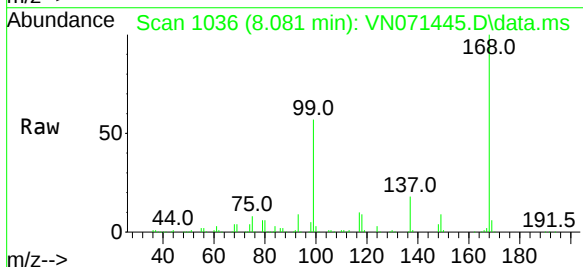
Instrument :
MSVOA_N
ClientSampleId :
MW-24

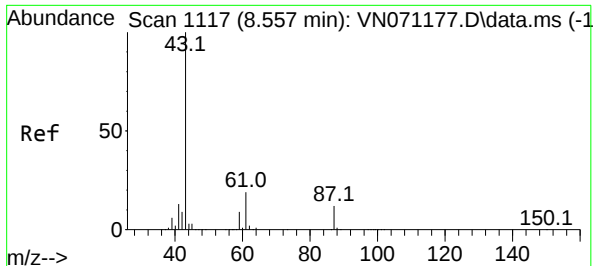
Tgt Ion: 75 Resp: 57594
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 117 Resp: 72420
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.2 36.2#

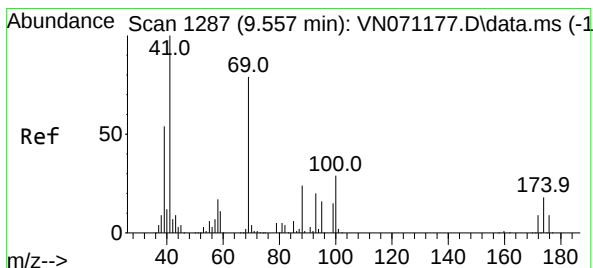
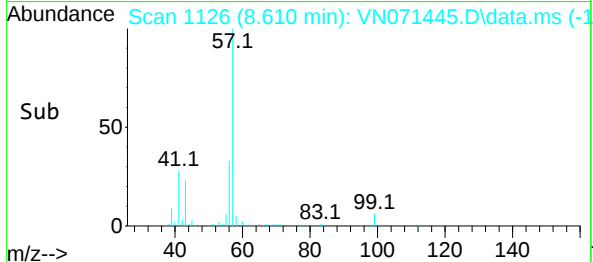
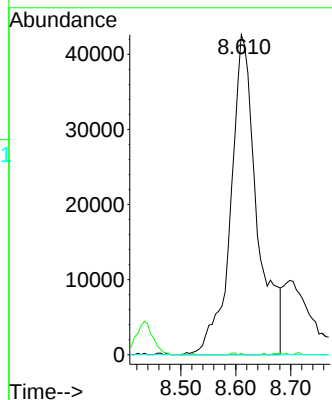
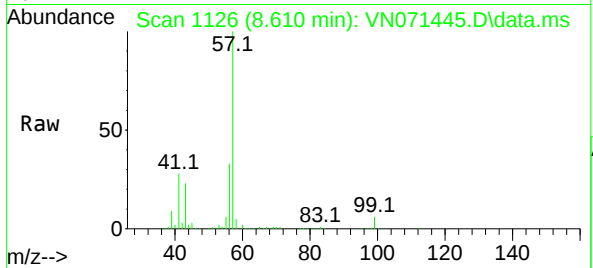




#43
Isopropyl Acetate
Concen: 5.543 ug/l
RT: 8.610 min Scan# 1117
Delta R.T. 0.053 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

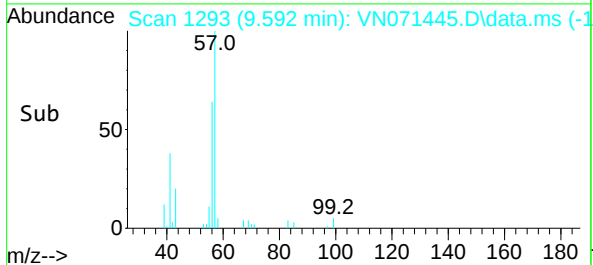
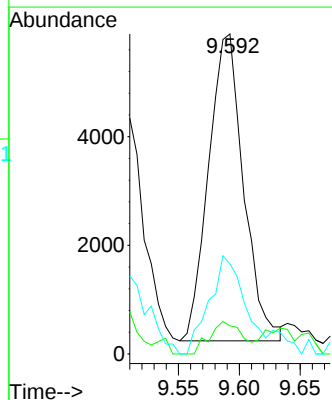
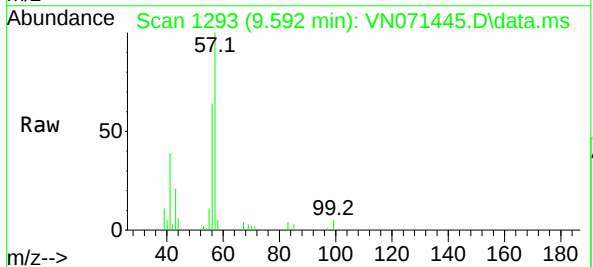
Instrument :
MSVOA_N
ClientSampleId :
MW-24

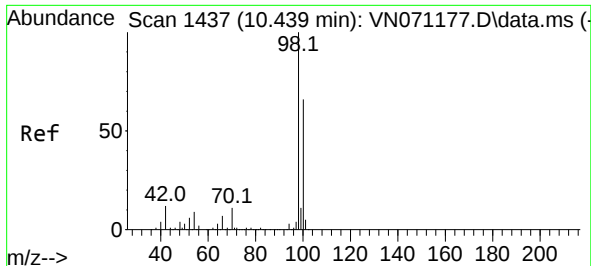
Tgt Ion: 43 Resp: 142199
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 0.950 ug/l
RT: 9.592 min Scan# 1293
Delta R.T. 0.035 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 41 Resp: 11297
Ion Ratio Lower Upper
41 100
69 9.7 72.4 108.6#
39 32.2 58.4 87.6#

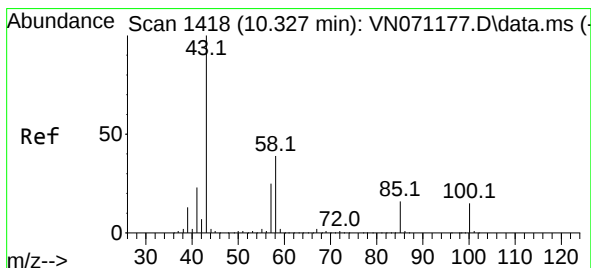
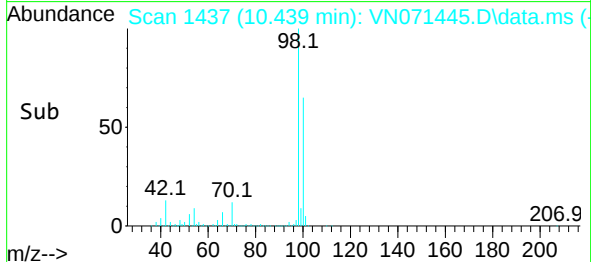
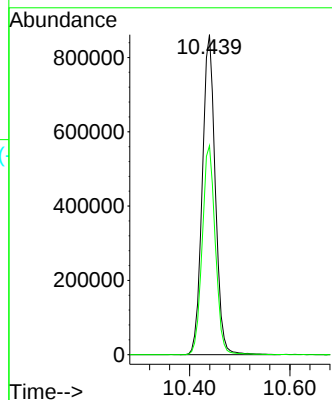
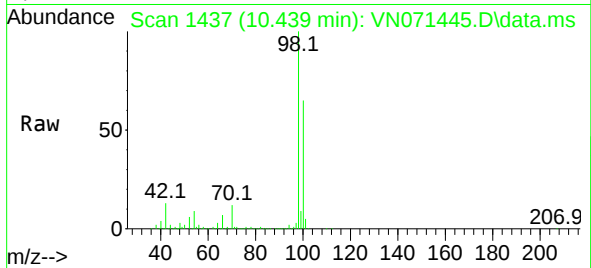




#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

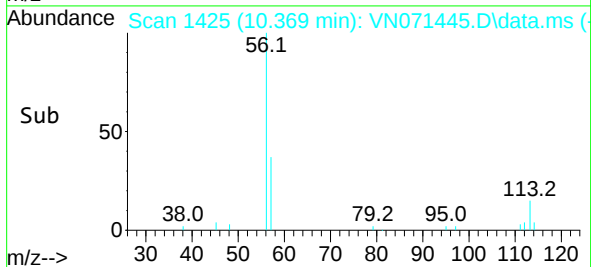
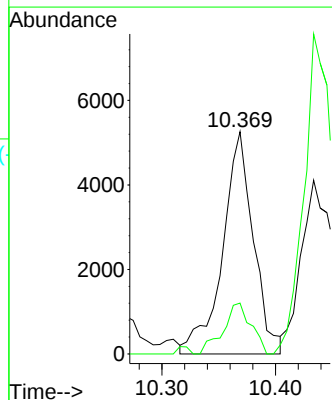
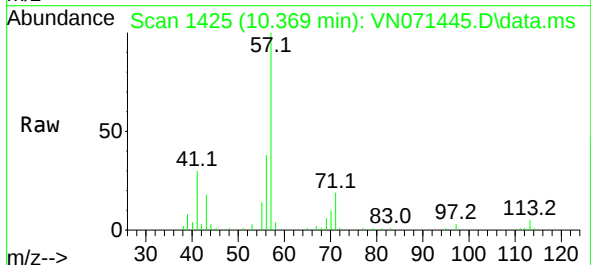
Instrument :
MSVOA_N
ClientSampleId :
MW-24

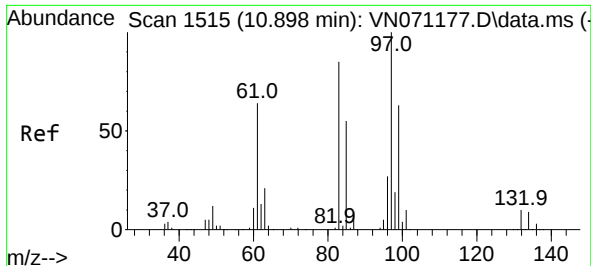
Tgt Ion: 98 Resp: 1549293
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.623 ug/l
RT: 10.369 min Scan# 1425
Delta R.T. 0.042 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 43 Resp: 9921
Ion Ratio Lower Upper
43 100
58 20.8 30.4 45.6#

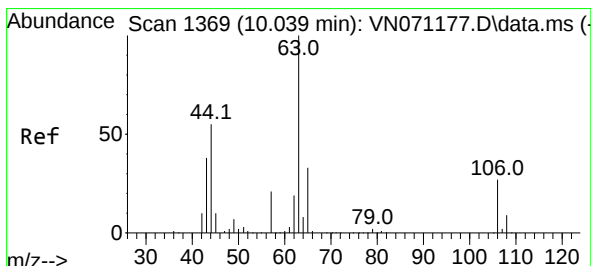
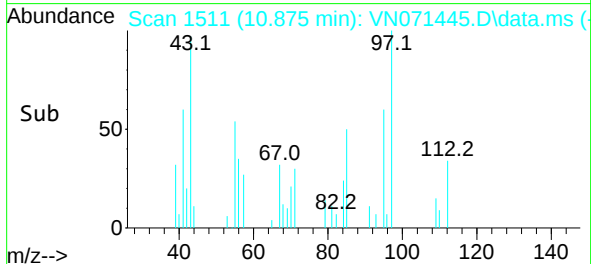
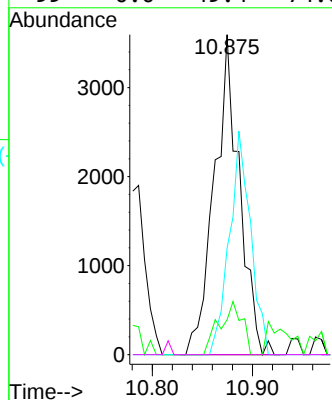
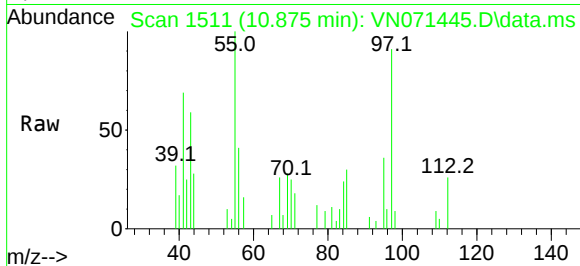




#55
1,1,2-Trichloroethane
Concen: 0.673 ug/l
RT: 10.875 min Scan# 1511
Delta R.T. -0.023 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

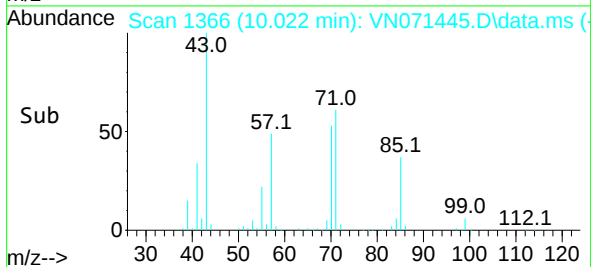
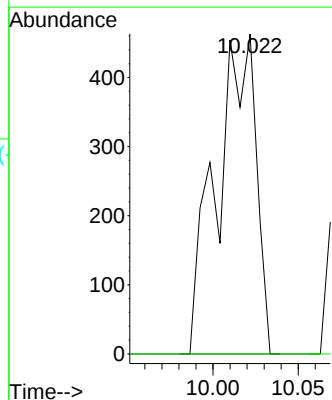
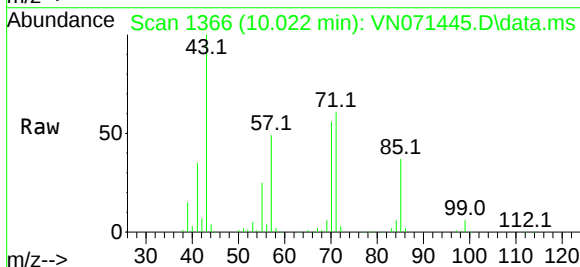
Instrument :
MSVOA_N
ClientSampleId :
MW-24

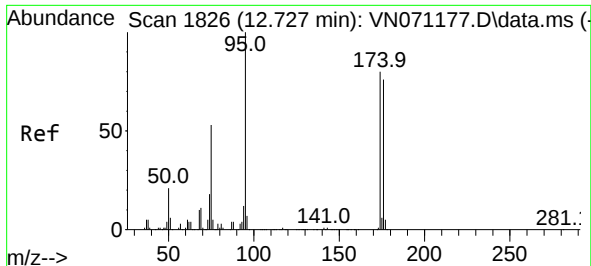
Tgt Ion: 97 Resp: 6239
Ion Ratio Lower Upper
97 100
83 10.9 67.8 101.6#
85 33.3 45.4 68.2#
99 0.0 49.4 74.0#



#58
2-Chloroethyl Vinyl ether
Concen: 28.074 ug/l
RT: 10.022 min Scan# 1366
Delta R.T. -0.017 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 63 Resp: 746
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

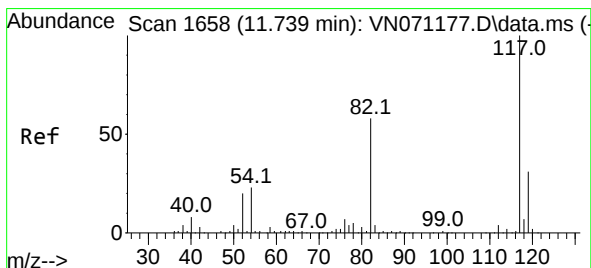
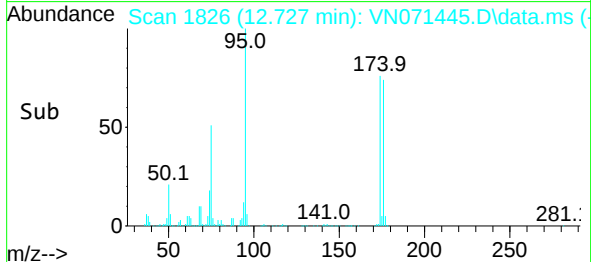
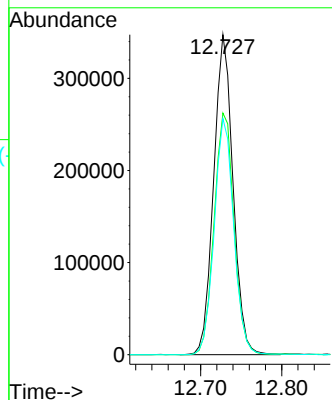
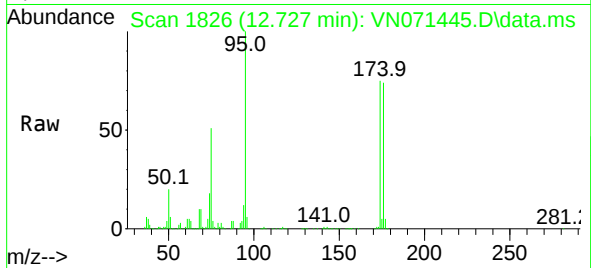




#62
4-Bromofluorobenzene
Concen: 54.255 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

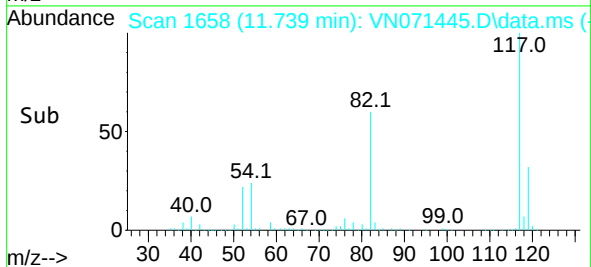
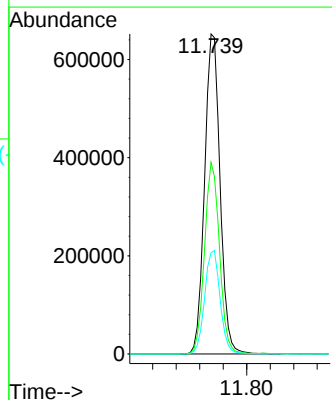
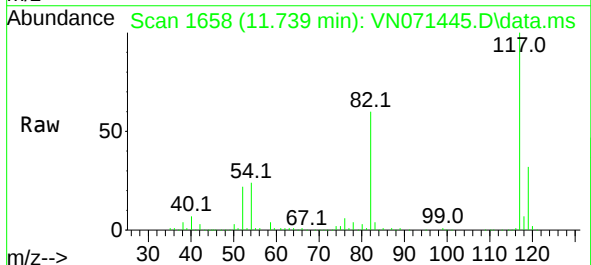
Instrument :
MSVOA_N
ClientSampleId :
MW-24

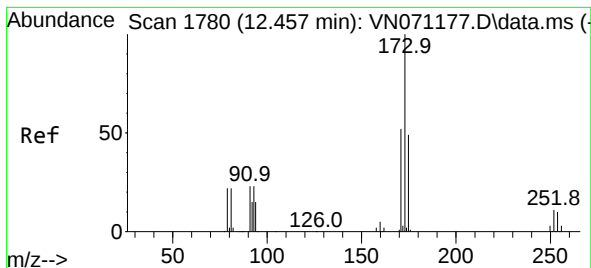
Tgt Ion: 95 Resp: 575485
Ion Ratio Lower Upper
95 100
174 78.0 0.0 187.2
176 74.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 117 Resp: 1195334
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.6 25.4 38.2





#71

Bromoform

Concen: 0.427 ug/l

RT: 12.722 min Scan# 1825

Delta R.T. 0.265 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

MW-24

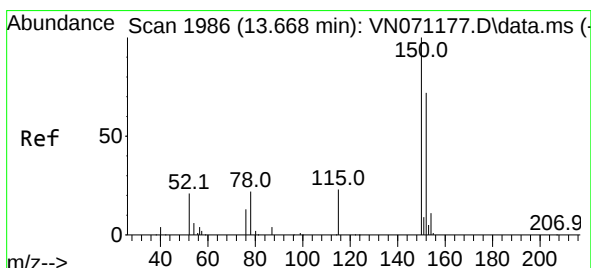
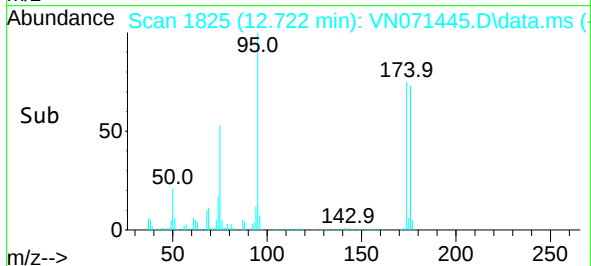
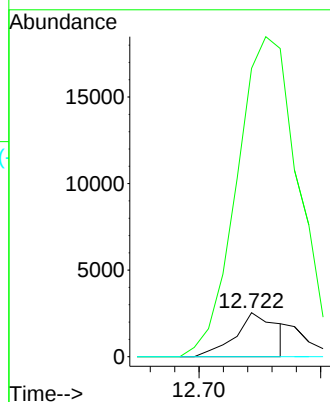
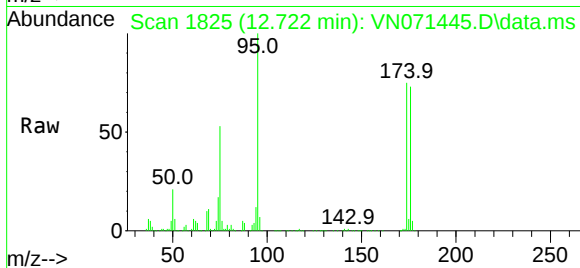
Tgt Ion:173 Resp: 3049

Ion Ratio Lower Upper

173 100

175 812.4 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.669 min Scan# 1986

Delta R.T. 0.001 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

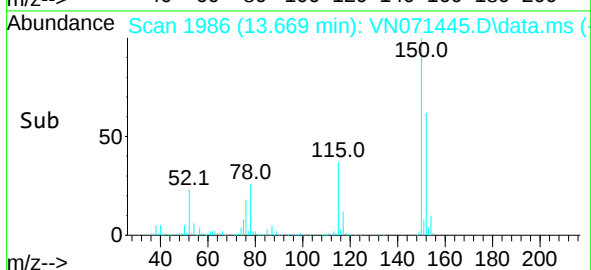
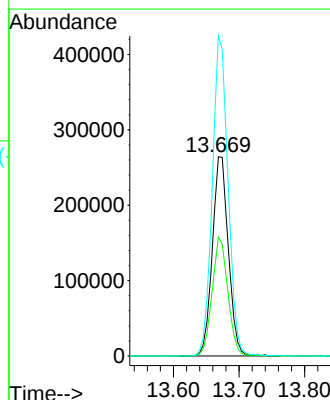
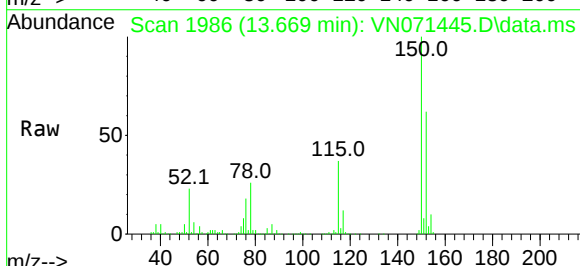
Tgt Ion:152 Resp: 448504

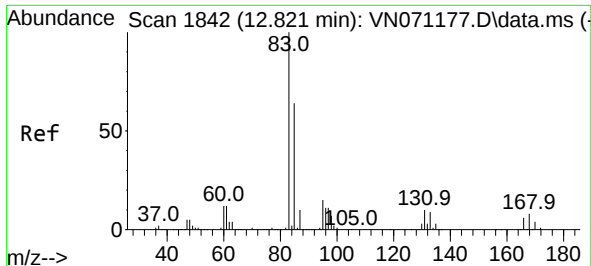
Ion Ratio Lower Upper

152 100

115 58.6 27.5 82.5

150 157.7 0.0 344.4

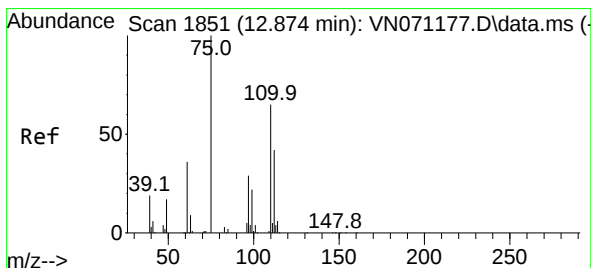
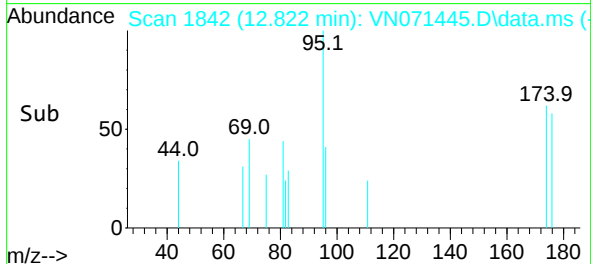
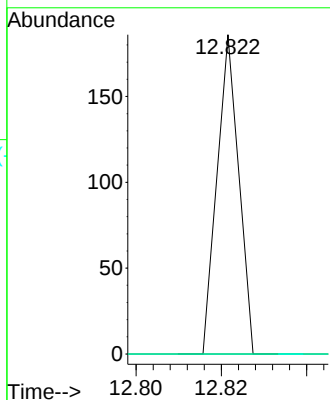
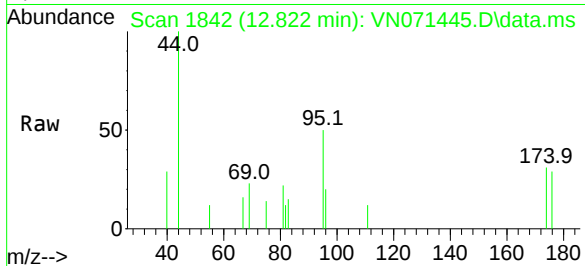




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. 0.001 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

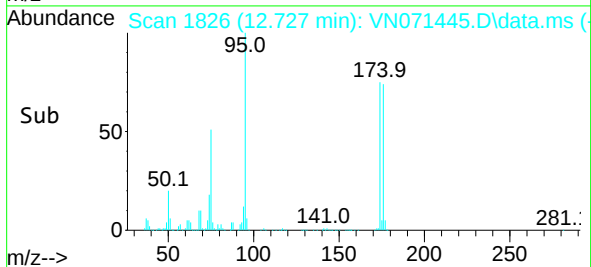
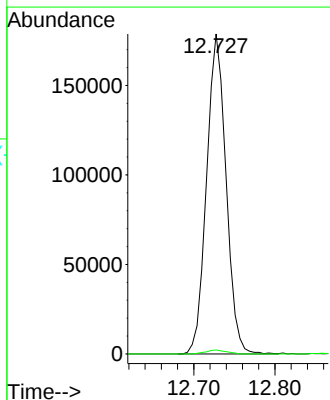
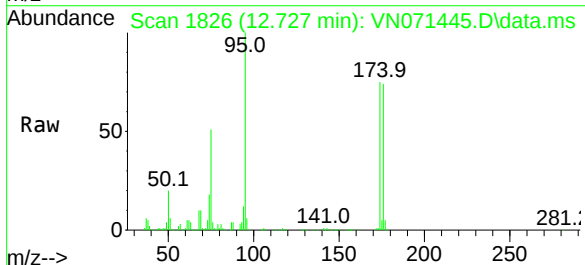
Instrument :
MSVOA_N
ClientSampleId :
MW-24

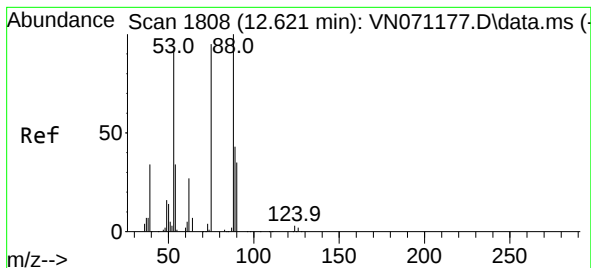
Tgt Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.994 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071445.D
Acq: 22 Mar 2022 02:56

Tgt Ion: 75 Resp: 297295
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

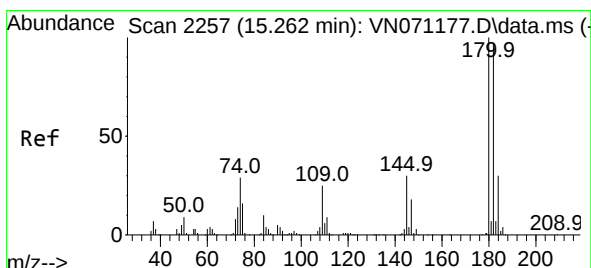
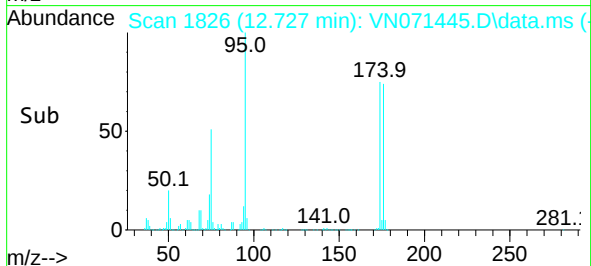
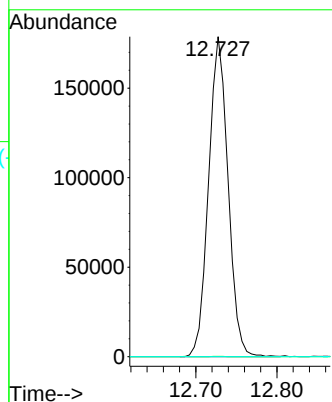
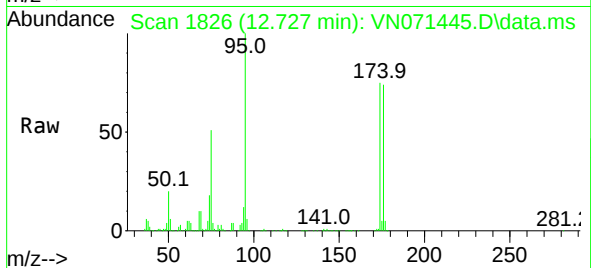




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.655 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071445.D
 Acq: 22 Mar 2022 02:56

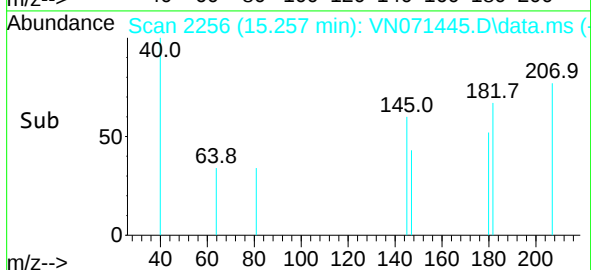
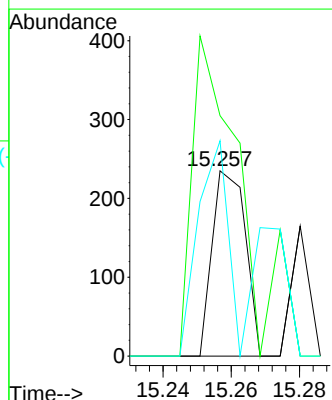
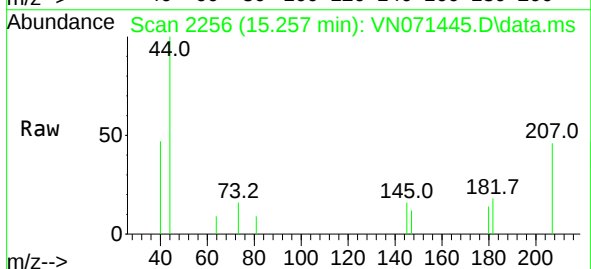
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

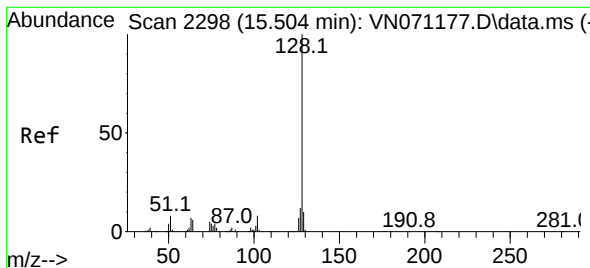
Tgt Ion: 75 Resp: 297295
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.009 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.005 min
 Lab File: VN071445.D
 Acq: 22 Mar 2022 02:56

Tgt Ion: 180 Resp: 158
 Ion Ratio Lower Upper
 180 100
 182 255.1 48.3 144.9#
 145 104.4 14.5 43.5#





#95

Naphthalene

Concen: 5.139 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Instrument :

MSVOA_N

ClientSampleId :

MW-24

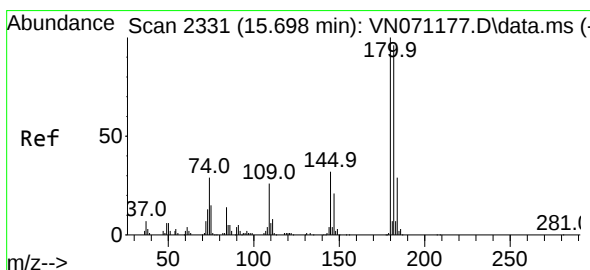
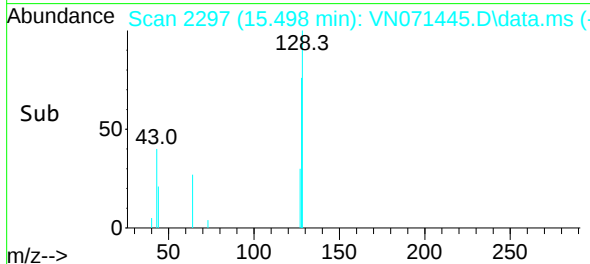
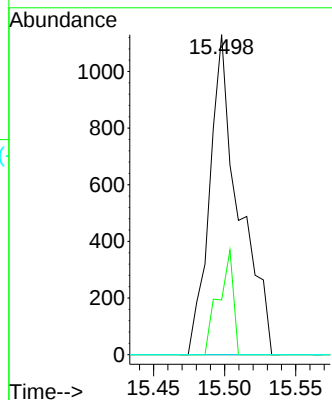
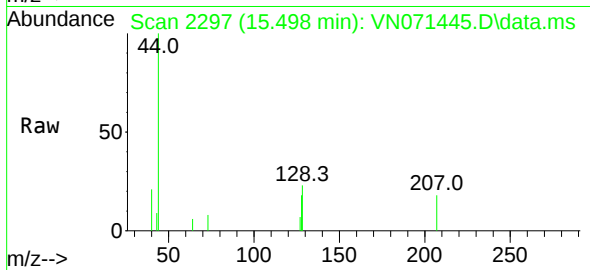
Tgt Ion:128 Resp: 1627

Ion Ratio Lower Upper

128 100

127 16.5 10.5 15.7#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.758 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.006 min

Lab File: VN071445.D

Acq: 22 Mar 2022 02:56

Tgt Ion:180 Resp: 197

Ion Ratio Lower Upper

180 100

182 131.0 47.4 142.2

145 0.0 15.0 45.1#

