

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071448.D
 Acq On : 22 Mar 2022 04:08
 Operator : JC\MD
 Sample : N2017-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Mar 22 06:32:04 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

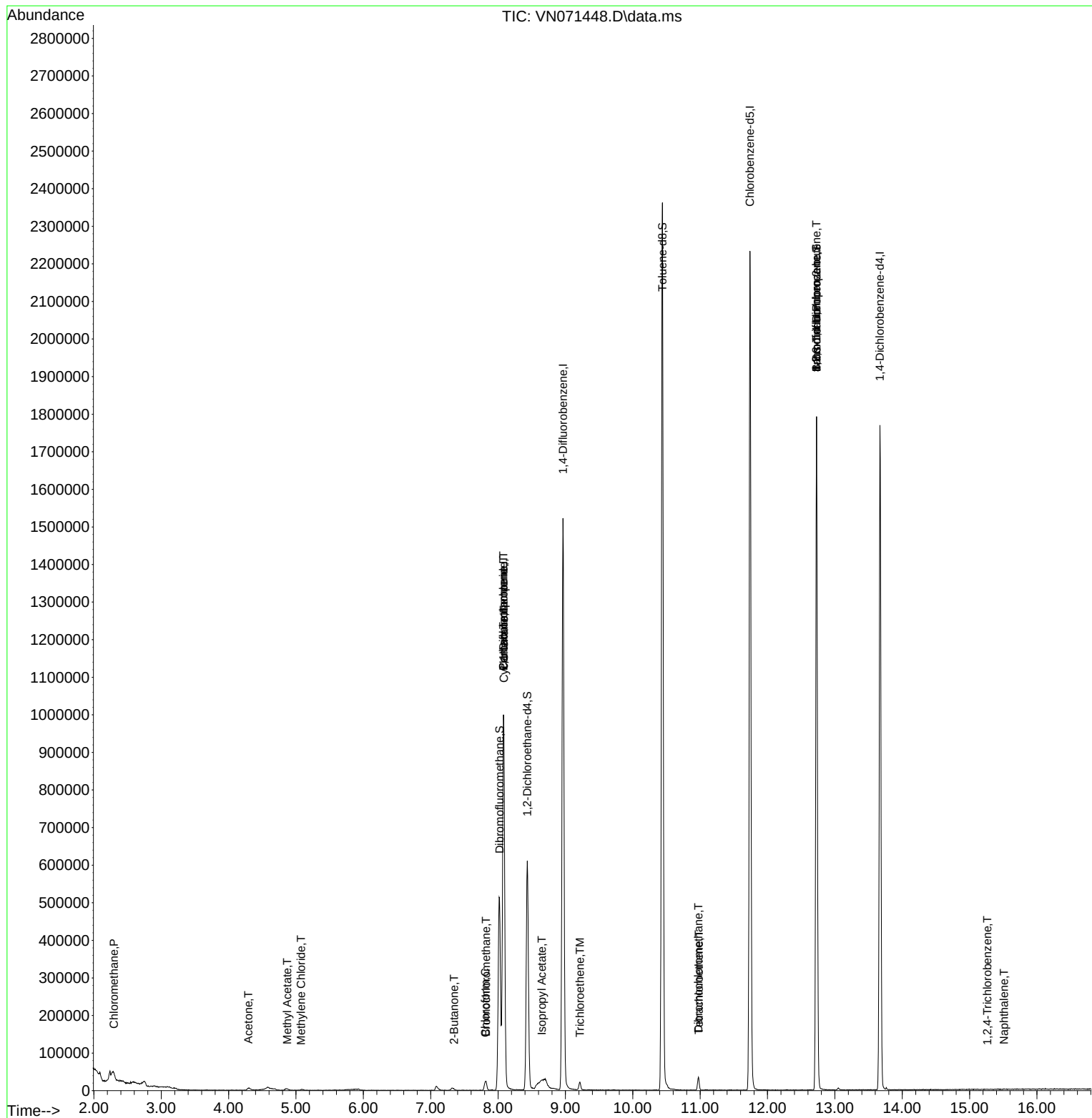
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	771626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1307300	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1273847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	478862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	504409	47.696	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.400%
35) Dibromofluoromethane	8.022	113	383630	46.503	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.000%
50) Toluene-d8	10.439	98	1625106	48.927	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.727	95	613265	54.525	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3652	0.287	ug/l #	78
5) Bromomethane	2.846	94	1249	Below Cal	#	80
16) Acetone	4.293	43	4753	0.924	ug/l	99
18) Methyl Acetate	4.869	43	9638	1.161	ug/l #	85
20) Methylene Chloride	5.075	84	650	0.450	ug/l #	87
25) 2-Butanone	7.345	43	1739	0.210	ug/l #	52
28) Bromochloromethane	7.822	49	2299	0.295	ug/l #	9
30) Chloroform	7.810	83	25396	1.520	ug/l	91
31) Cyclohexane	8.086	56	16358	0.969	ug/l #	14
36) 1,1-Dichloropropene	8.081	75	59990	4.539	ug/l #	49
38) Carbon Tetrachloride	8.081	117	75440	5.901	ug/l #	17
43) Isopropyl Acetate	8.651	43	47977	1.764	ug/l #	56
44) Trichloroethene	9.216	130	7444	0.792	ug/l	97
60) Dibromochloromethane	10.974	129	7549	0.773	ug/l #	11
64) Tetrachloroethene	10.980	164	7638	0.860	ug/l	93
71) Bromoform	12.727	173	3130	0.411	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.739	83	261	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	314951	25.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	314951	71.098	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	80	2.999	ug/l #	12
95) Naphthalene	15.509	128	743	5.098	ug/l #	69

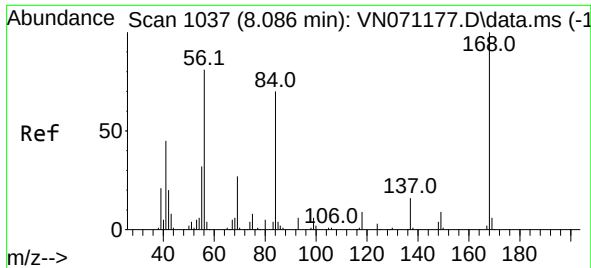
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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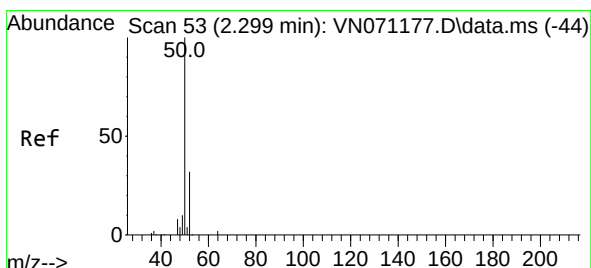
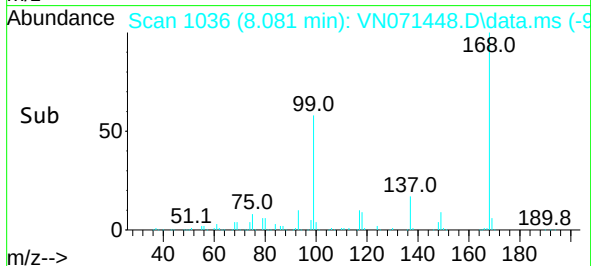
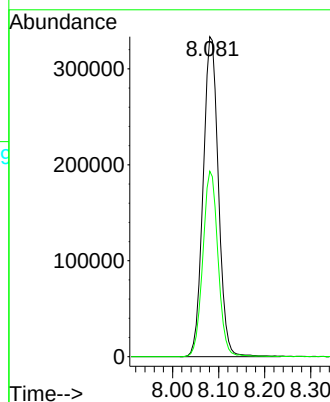
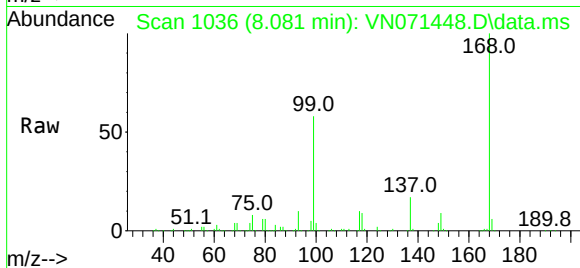




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

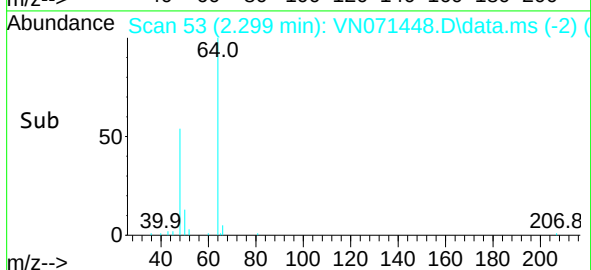
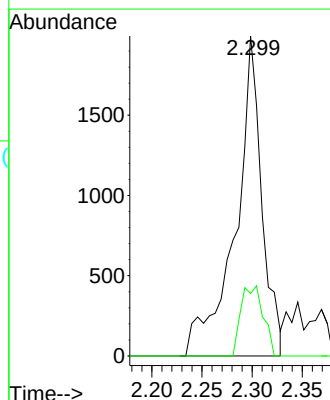
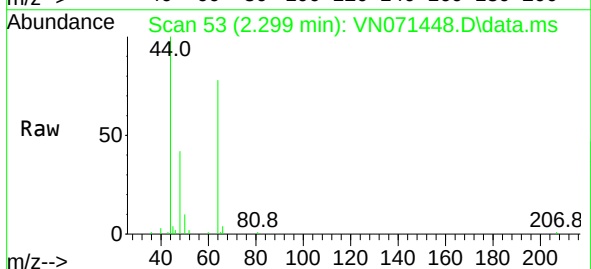
Instrument :
MSVOA_N
ClientSampleId :
MW-4

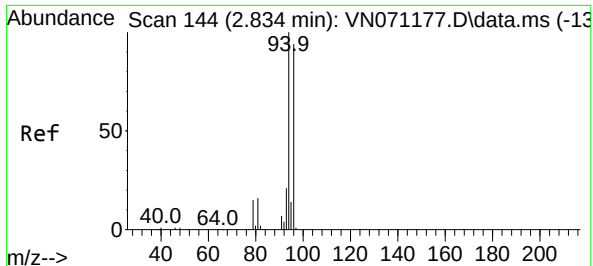
Tgt Ion:168 Resp: 771626
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 50 Resp: 3652
Ion Ratio Lower Upper
50 100
52 19.5 25.4 38.0#

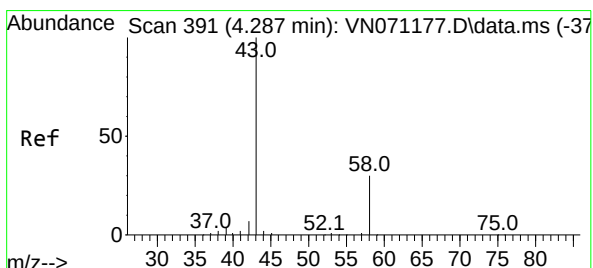
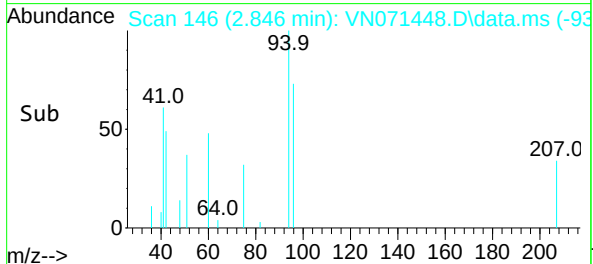
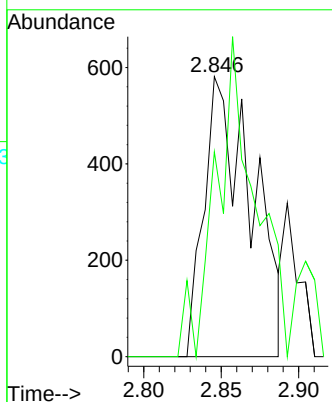
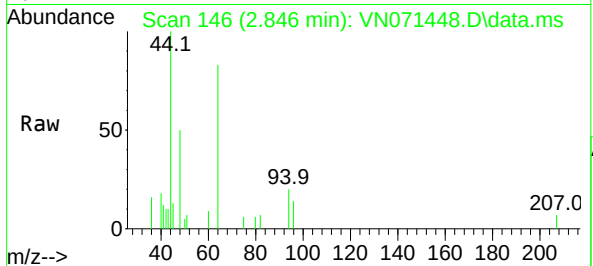




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

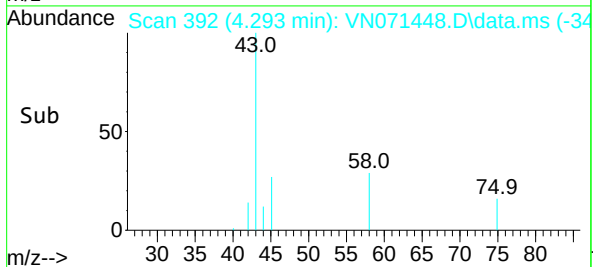
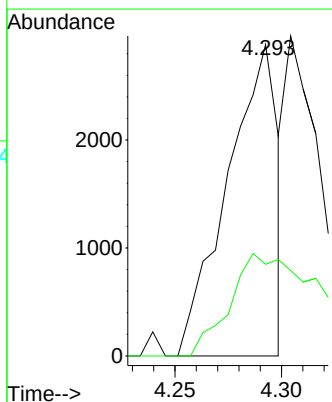
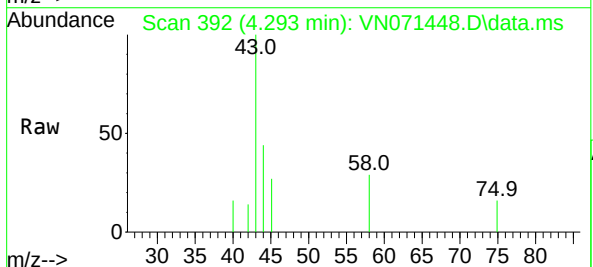
Instrument :
MSVOA_N
ClientSampleId :
MW-4

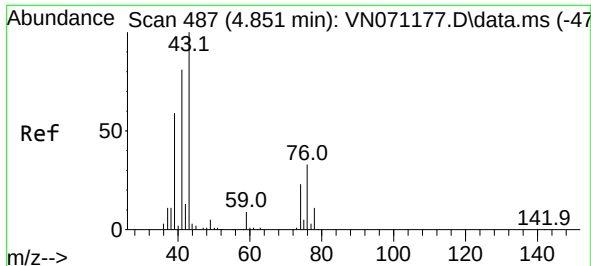
Tgt Ion: 94 Resp: 1249
Ion Ratio Lower Upper
94 100
96 73.1 73.8 110.8#



#16
Acetone
Concen: 0.924 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7

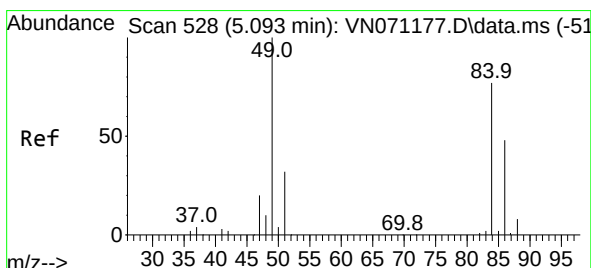
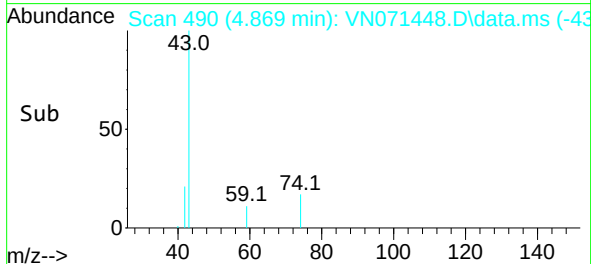
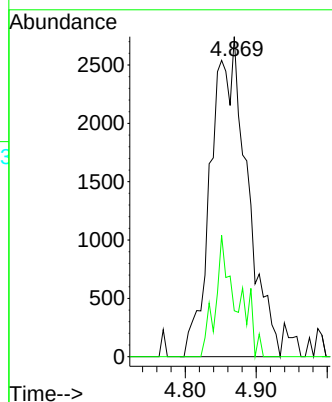
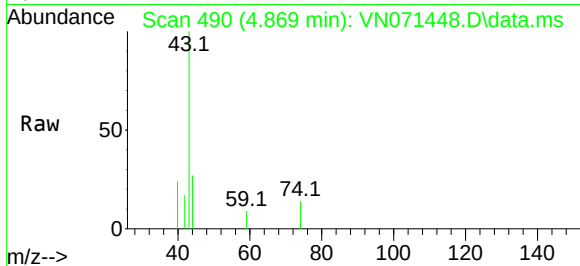




#18
Methyl Acetate
Concen: 1.161 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

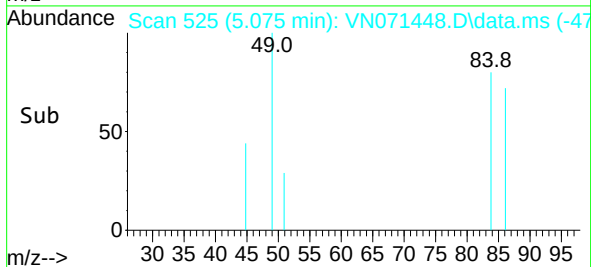
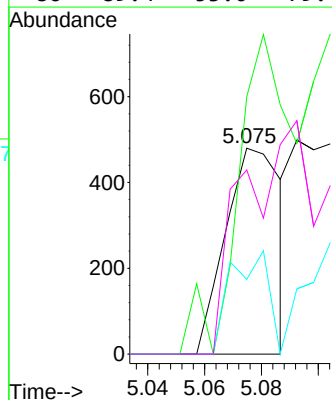
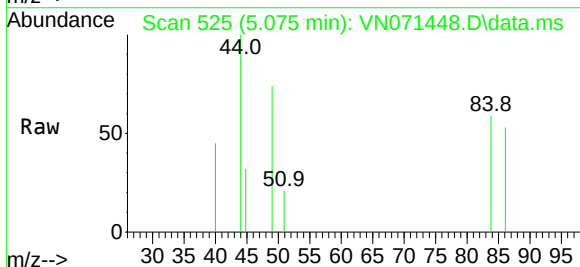
Instrument :
MSVOA_N
ClientSampleId :
MW-4

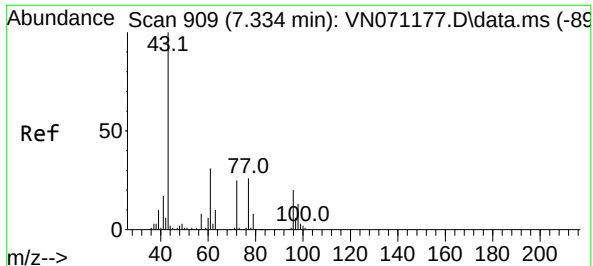
Tgt Ion: 43 Resp: 9638
Ion Ratio Lower Upper
43 100
74 16.7 19.4 29.2#



#20
Methylene Chloride
Concen: 0.450 ug/l
RT: 5.075 min Scan# 525
Delta R.T. -0.018 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 84 Resp: 650
Ion Ratio Lower Upper
84 100
49 125.0 93.5 140.3
51 36.3 29.4 44.2
86 89.4 53.0 79.4#

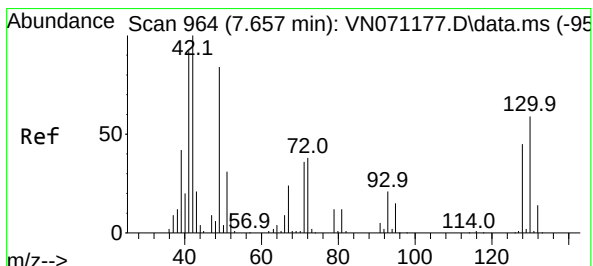
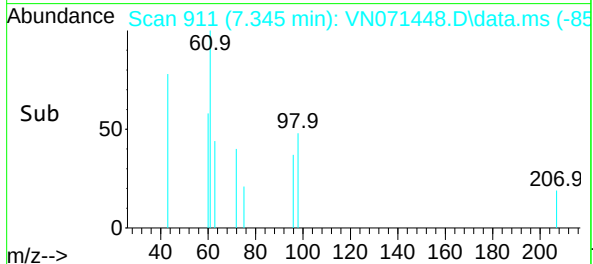
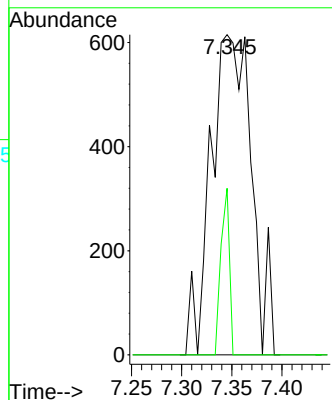
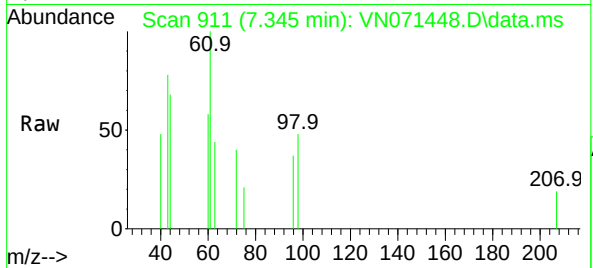




#25
2-Butanone
Concen: 0.210 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

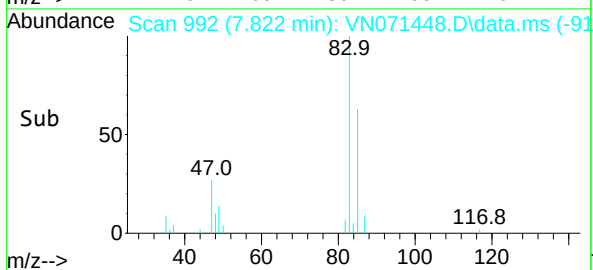
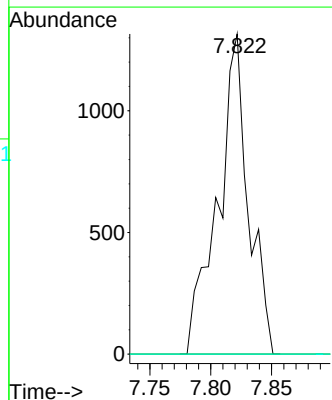
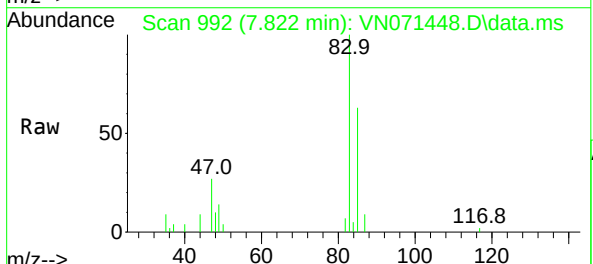
Instrument :
MSVOA_N
ClientSampleId :
MW-4

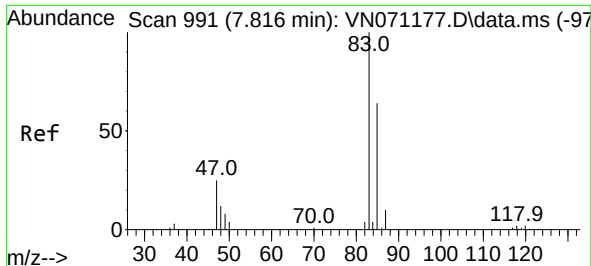
Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
72 52.0 21.7 32.5#



#28
Bromochloromethane
Concen: 0.295 ug/l
RT: 7.822 min Scan# 992
Delta R.T. 0.165 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 49 Resp: 2299
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 67.8 101.8#

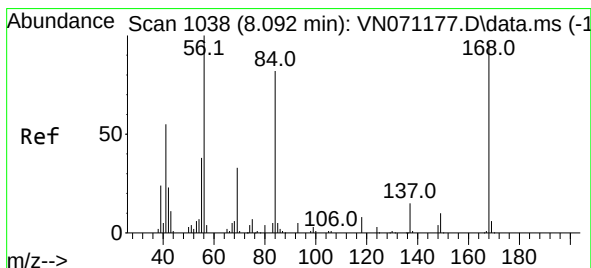
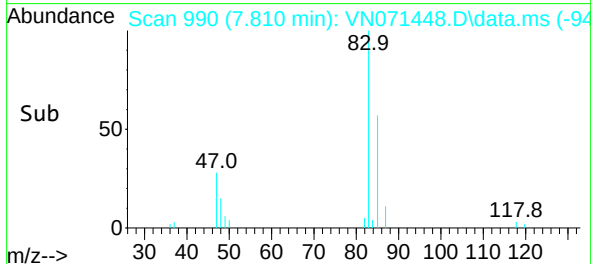
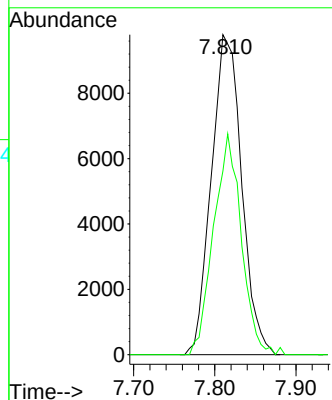
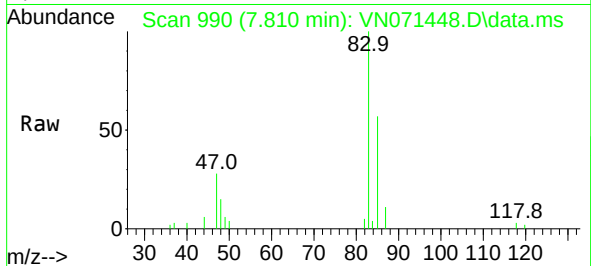




#30
Chloroform
Concen: 1.520 ug/l
RT: 7.810 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

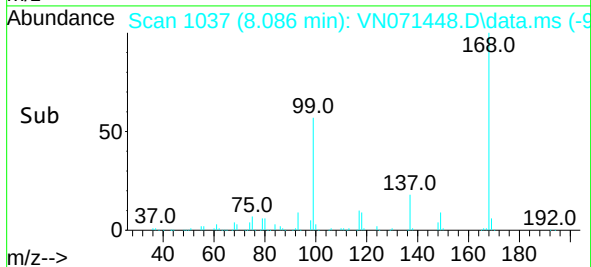
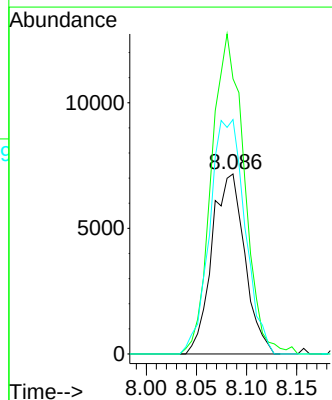
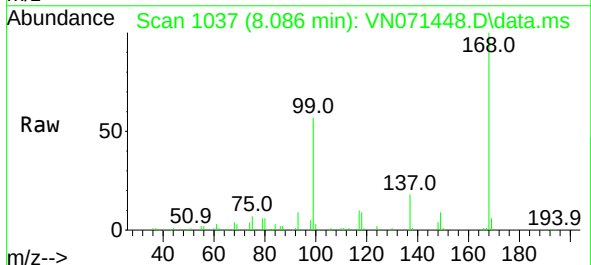
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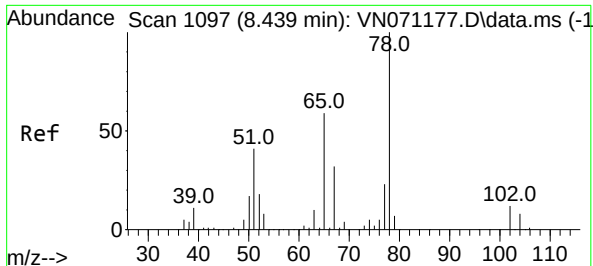
Tgt Ion: 83 Resp: 25396
Ion Ratio Lower Upper
83 100
85 57.4 51.9 77.9



#31
Cyclohexane
Concen: 0.969 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 56 Resp: 16358
Ion Ratio Lower Upper
56 100
69 152.9 27.1 40.7#
84 130.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 47.696 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071448.D

Acq: 22 Mar 2022 04:08

Instrument :

MSVOA_N

ClientSampleId :

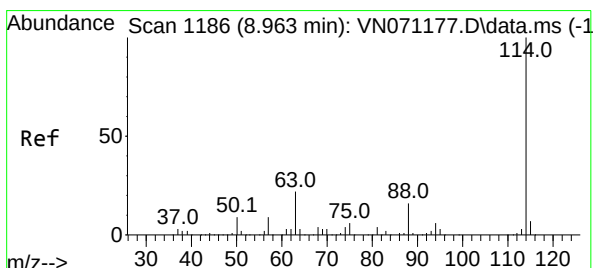
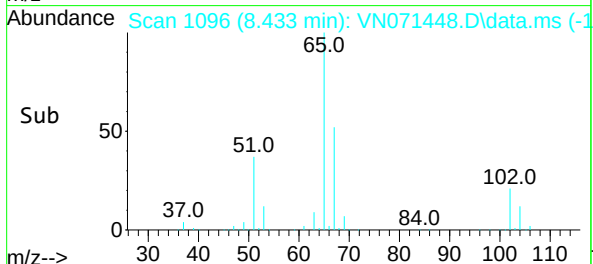
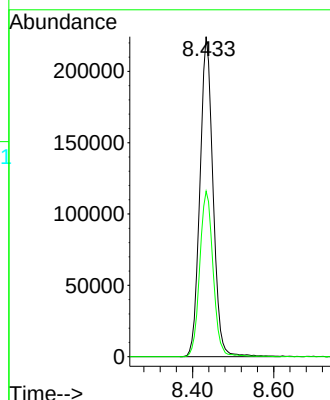
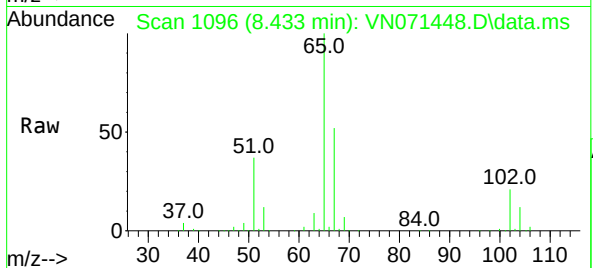
MW-4

Tgt Ion: 65 Resp: 504409

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: VN071448.D

Acq: 22 Mar 2022 04:08

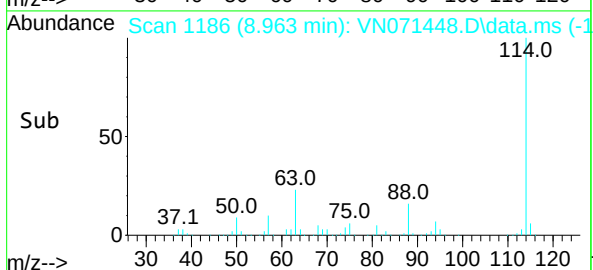
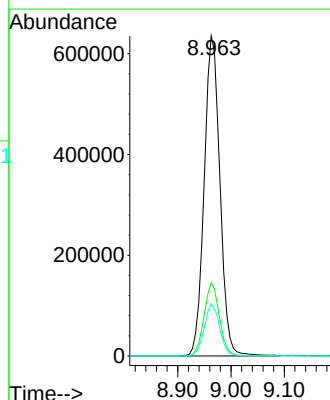
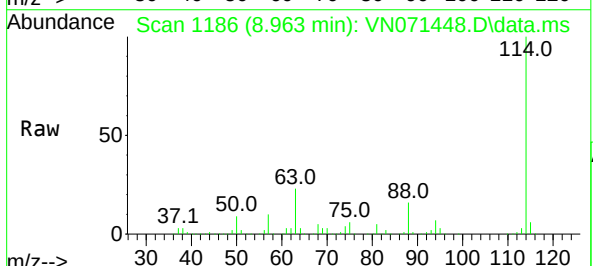
Tgt Ion: 114 Resp: 1307300

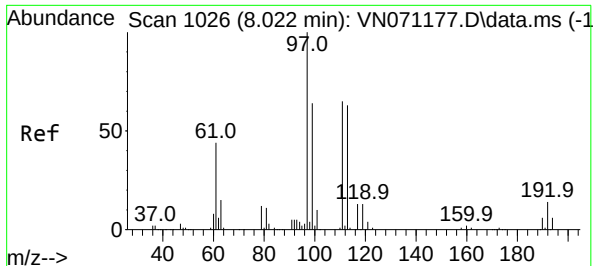
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

88 16.3 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.503 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VN071448.D

Acq: 22 Mar 2022 04:08

Instrument :

MSVOA_N

ClientSampleId :

MW-4

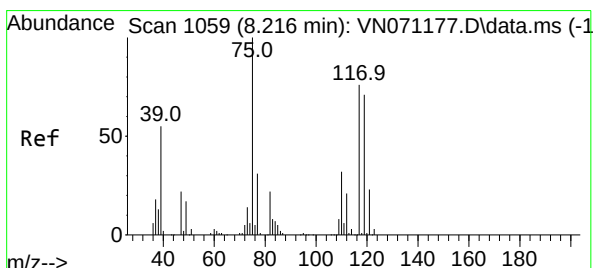
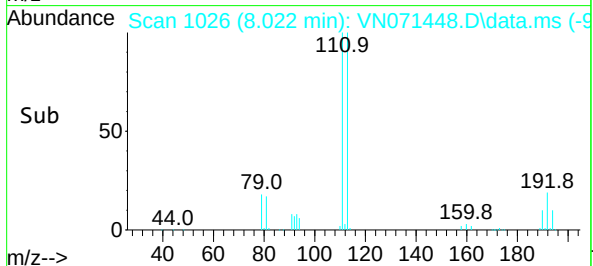
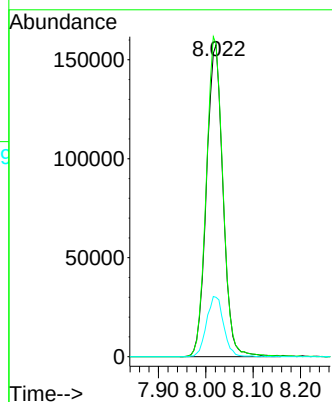
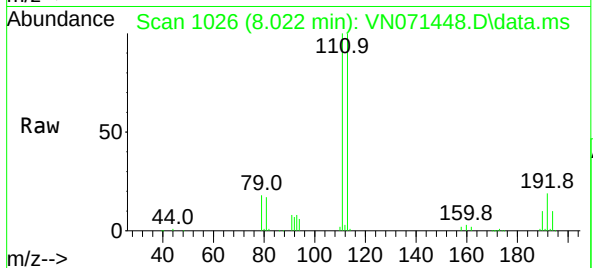
Tgt Ion:113 Resp: 383630

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.539 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071448.D

Acq: 22 Mar 2022 04:08

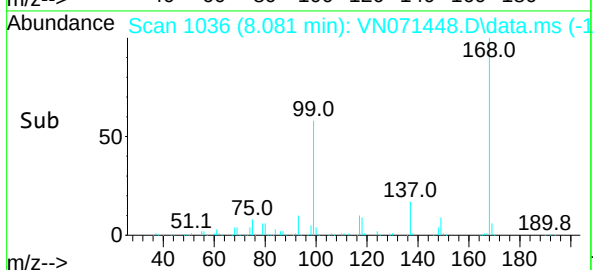
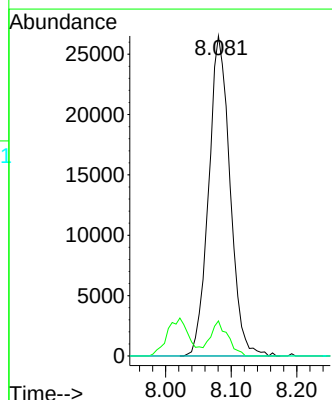
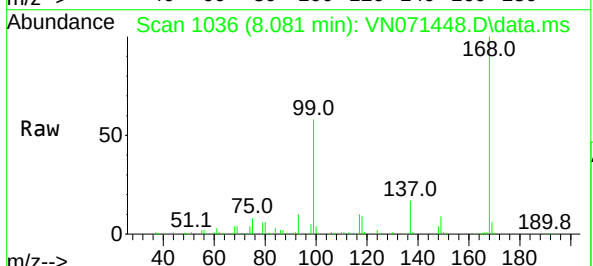
Tgt Ion: 75 Resp: 59990

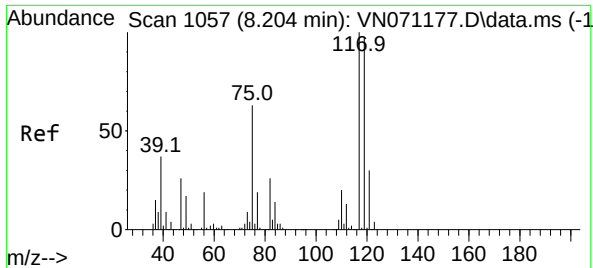
Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 24.4 36.6#

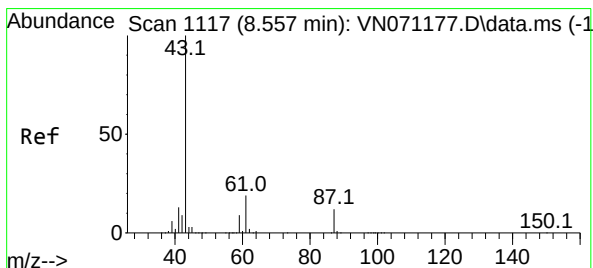
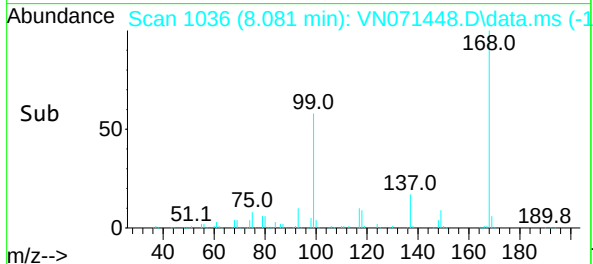
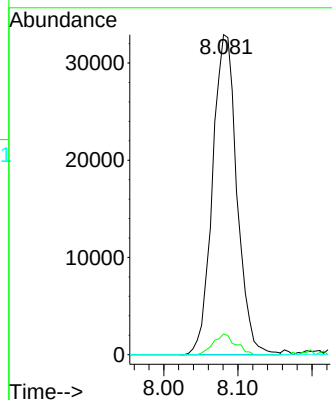
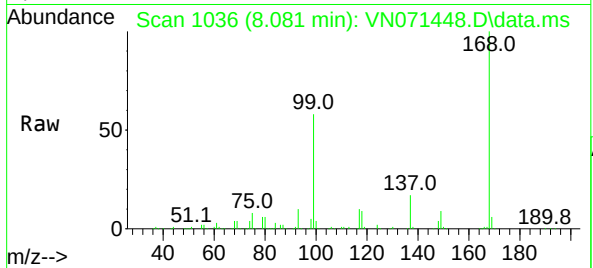




#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 8.081 min Scan# 1133
Delta R.T. -0.124 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

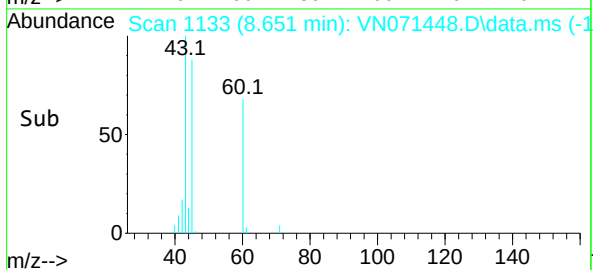
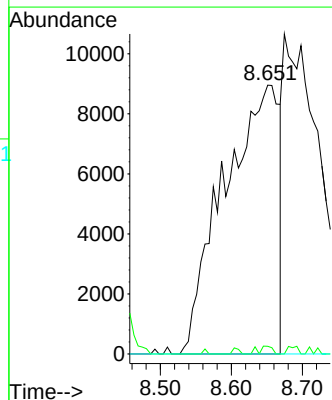
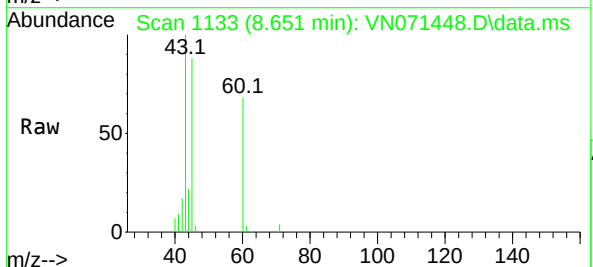
Instrument :
MSVOA_N
ClientSampleId :
MW-4

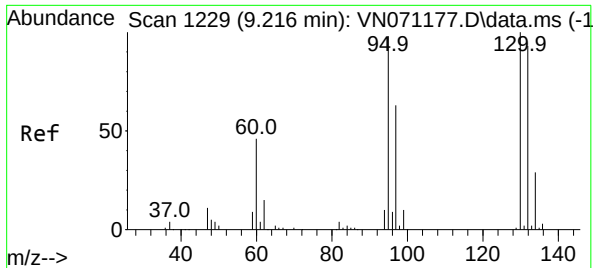
Tgt Ion:117 Resp: 75440
Ion Ratio Lower Upper
117 100
119 6.4 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.764 ug/l
RT: 8.651 min Scan# 1133
Delta R.T. 0.094 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 43 Resp: 47977
Ion Ratio Lower Upper
43 100
61 0.7 20.4 30.6#
87 0.0 11.2 16.8#

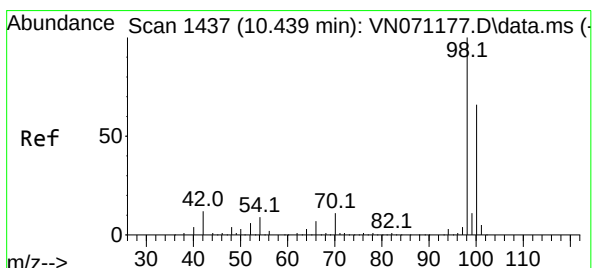
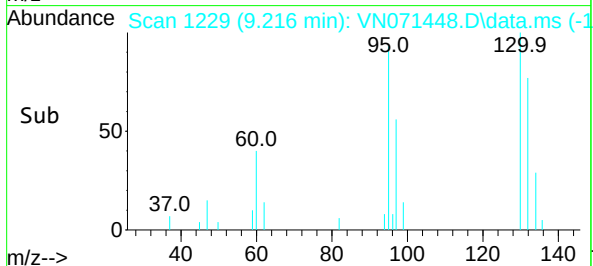
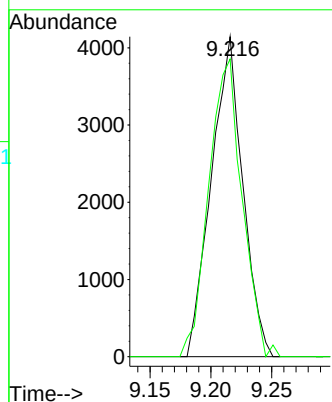
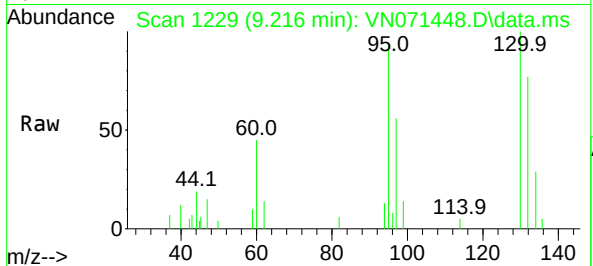




#44
Trichloroethene
Concen: 0.792 ug/l
RT: 9.216 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

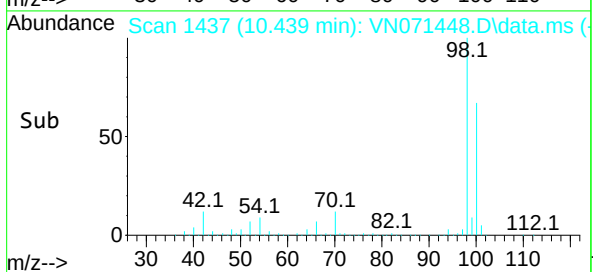
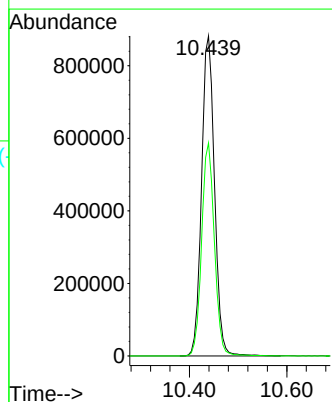
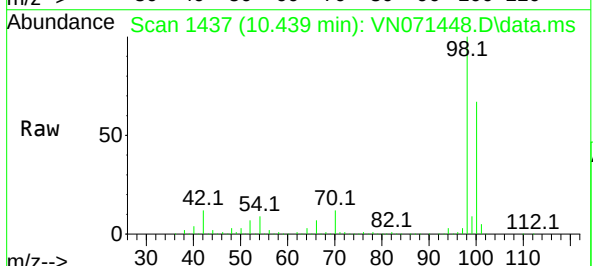
Instrument :
MSVOA_N
ClientSampleId :
MW-4

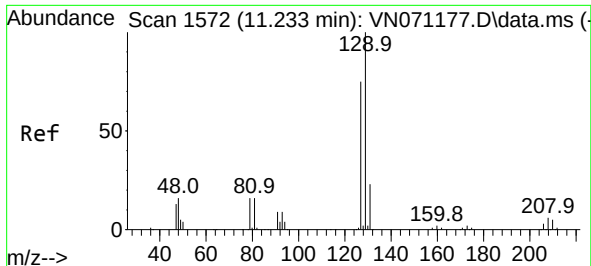
Tgt Ion:130 Resp: 7444
Ion Ratio Lower Upper
130 100
95 93.1 0.0 191.2



#50
Toluene-d8
Concen: 48.927 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 98 Resp: 1625106
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6

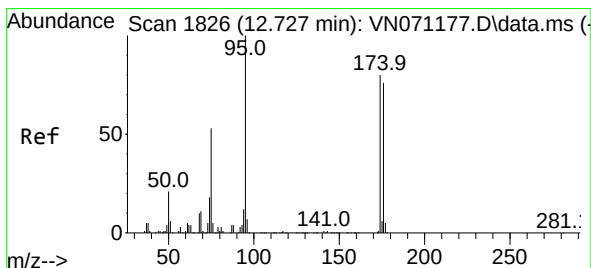
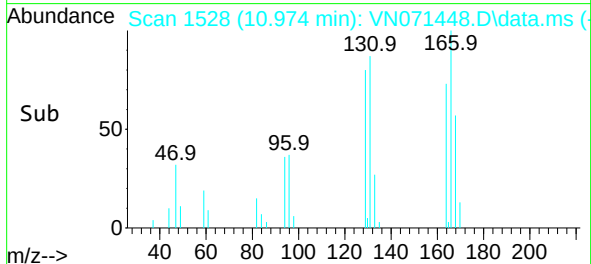
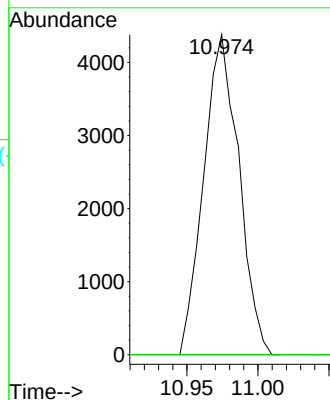
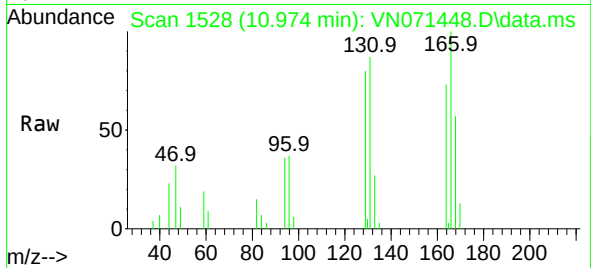




#60
Dibromochloromethane
Concen: 0.773 ug/l
RT: 10.974 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

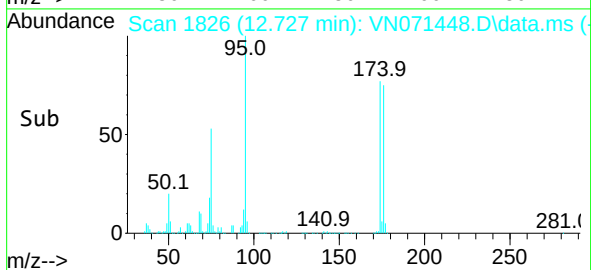
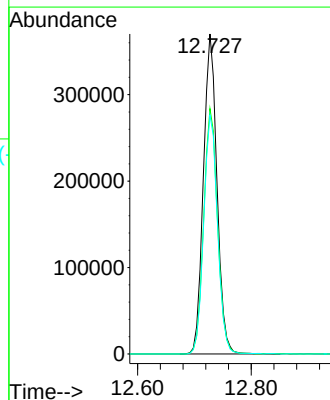
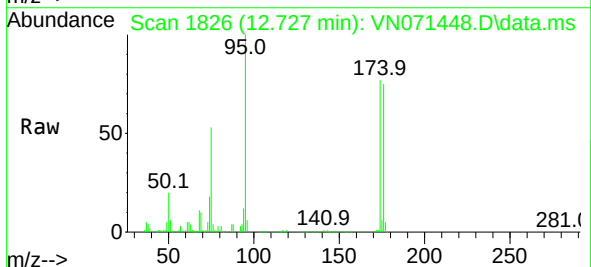
Instrument :
MSVOA_N
ClientSampleId :
MW-4

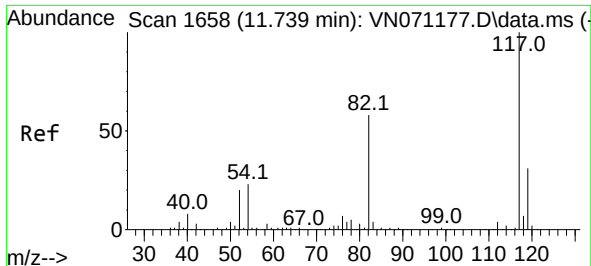
Tgt Ion:129 Resp: 7549
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 54.525 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 95 Resp: 613265
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 75.7 0.0 181.4

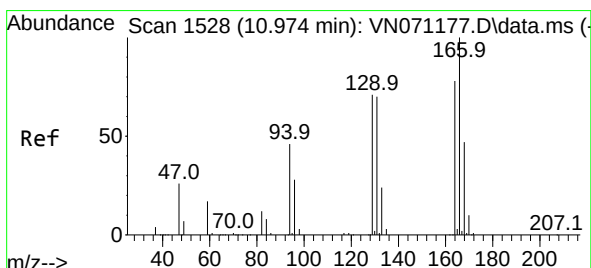
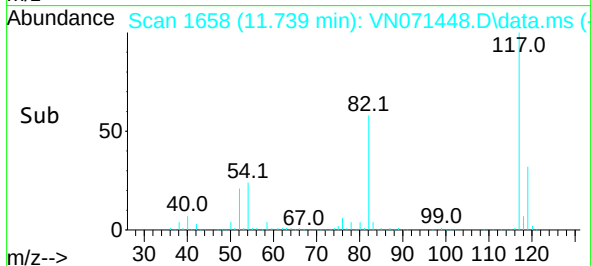
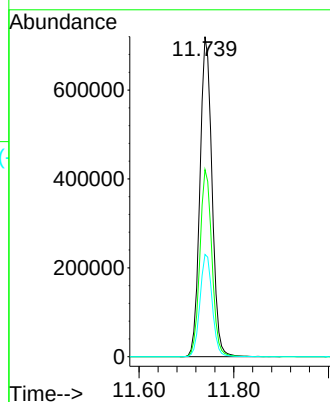
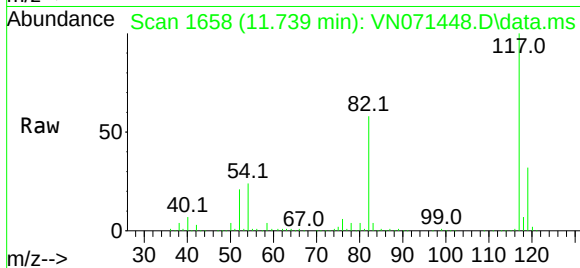




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

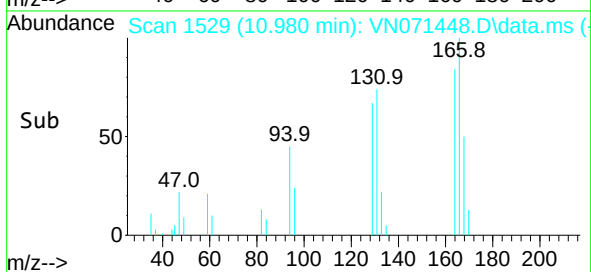
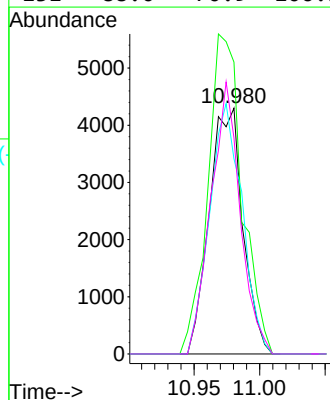
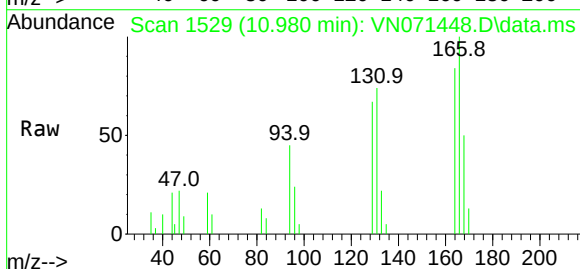
Instrument :
MSVOA_N
ClientSampleId :
MW-4

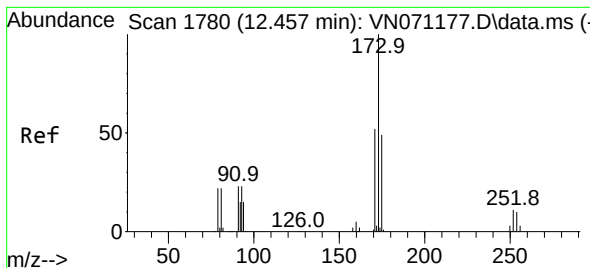
Tgt Ion:117 Resp: 1273847
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.860 ug/l
RT: 10.980 min Scan# 1529
Delta R.T. 0.006 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion:164 Resp: 7638
Ion Ratio Lower Upper
164 100
166 118.7 101.9 152.9
129 79.4 72.0 108.0
131 88.0 70.9 106.3





#71

Bromoform

Concen: 0.411 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.270 min

Lab File: VN071448.D

Acq: 22 Mar 2022 04:08

Instrument :

MSVOA_N

ClientSampleId :

MW-4

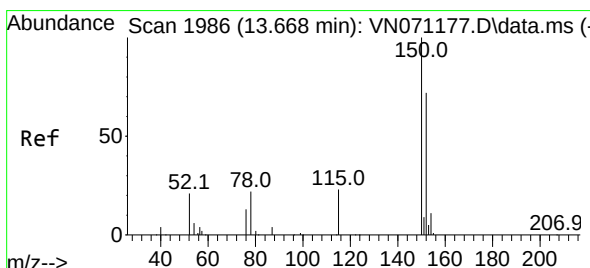
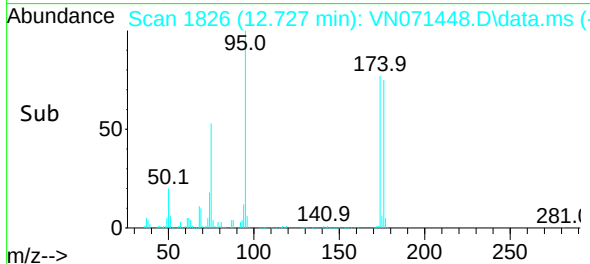
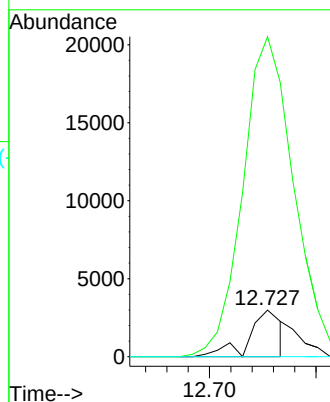
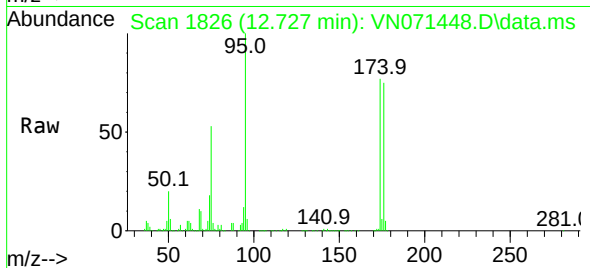
Tgt Ion:173 Resp: 3130

Ion Ratio Lower Upper

173 100

175 836.5 24.2 72.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN071448.D

Acq: 22 Mar 2022 04:08

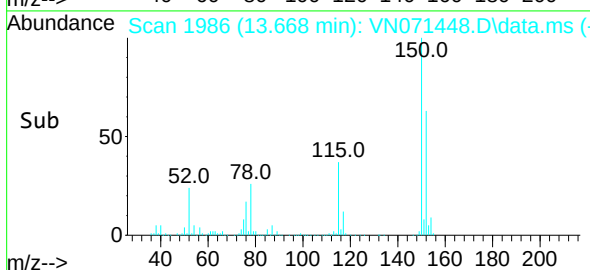
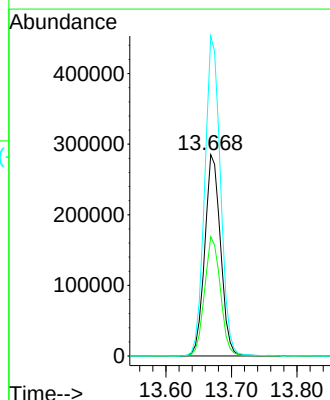
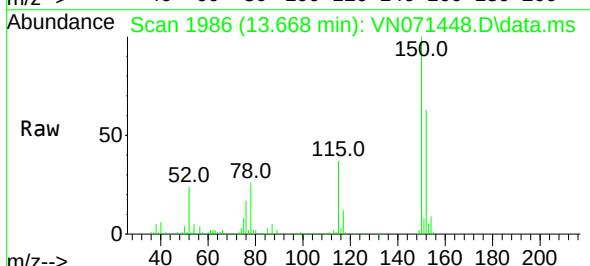
Tgt Ion:152 Resp: 478862

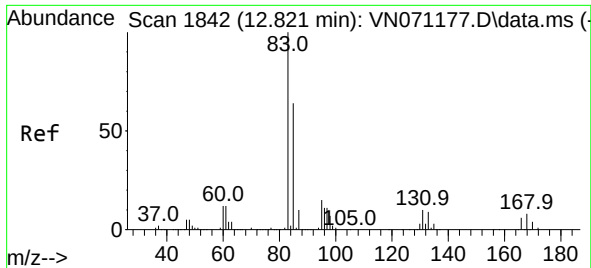
Ion Ratio Lower Upper

152 100

115 59.3 27.5 82.5

150 158.3 0.0 344.4

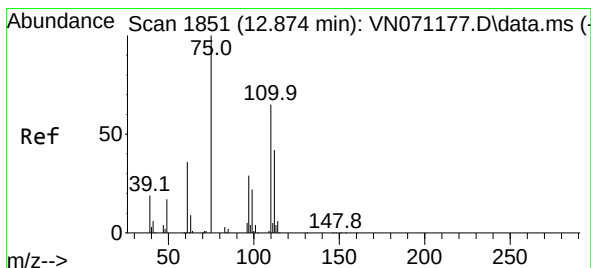
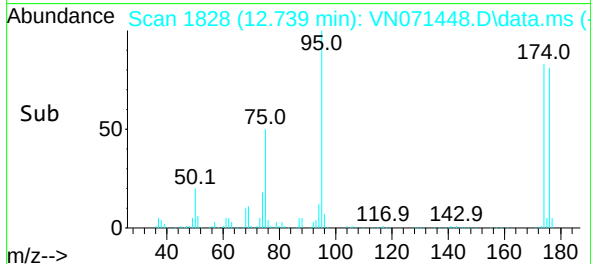
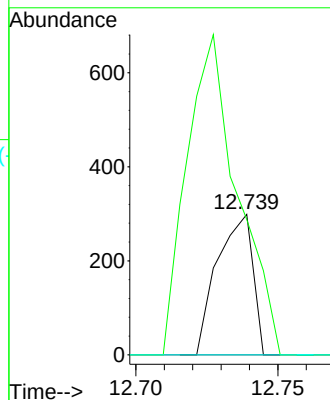
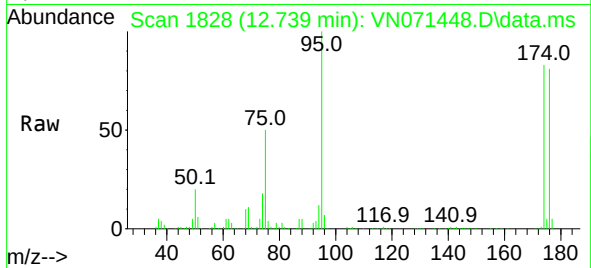




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.739 min Scan# 1826
Delta R.T. -0.082 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

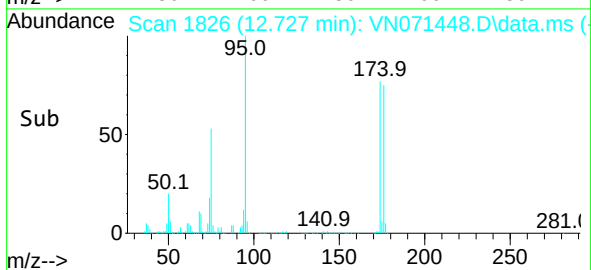
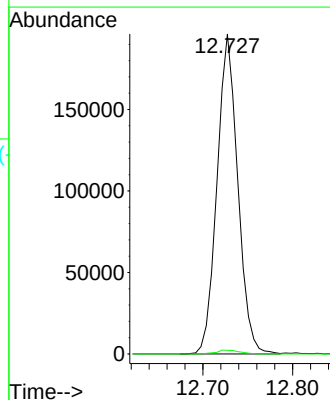
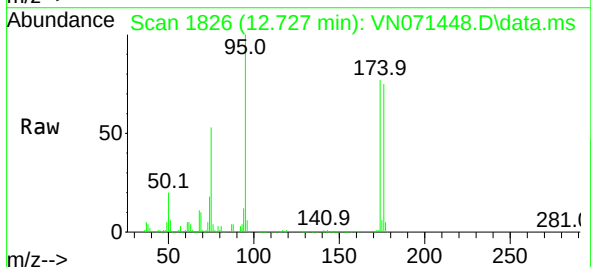
Instrument :
MSVOA_N
ClientSampleId :
MW-4

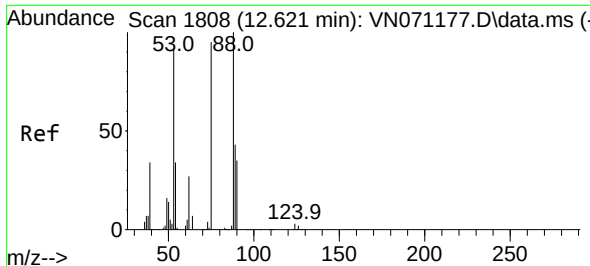
Tgt Ion: 83 Resp: 261
Ion Ratio Lower Upper
83 100
131 324.1 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 25.769 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion: 75 Resp: 314951
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

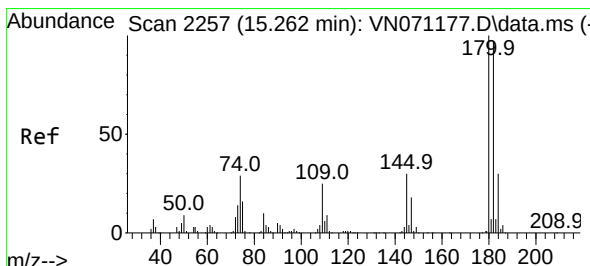
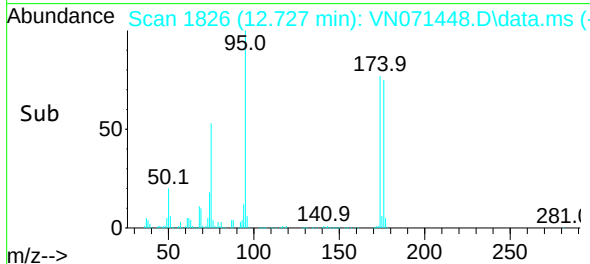
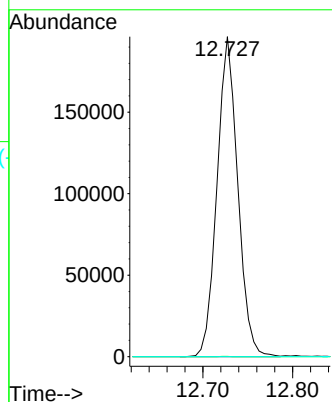
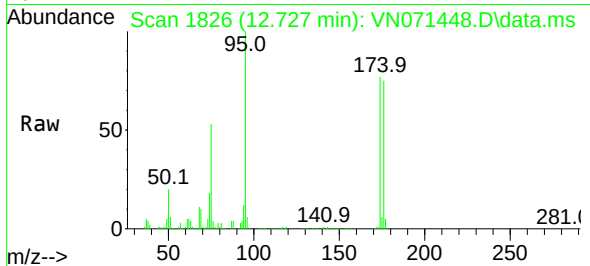




#81
trans-1,4-Dichloro-2-butene
Concen: 71.098 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

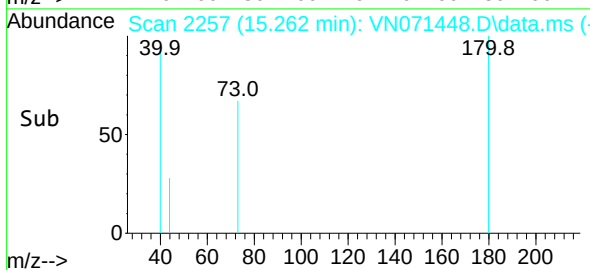
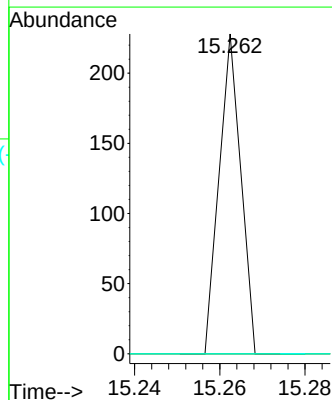
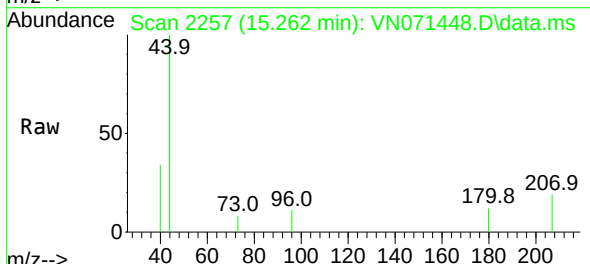
Instrument :
MSVOA_N
ClientSampleId :
MW-4

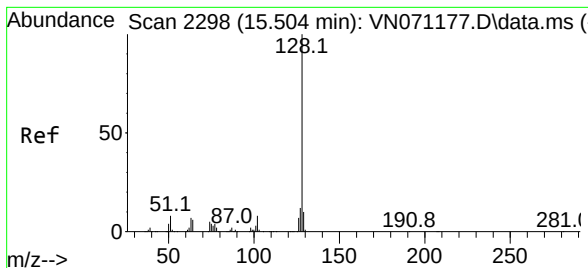
Tgt Ion: 75 Resp: 314951
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.999 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071448.D
Acq: 22 Mar 2022 04:08

Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 5.098 ug/l

RT: 15.509 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071448.D

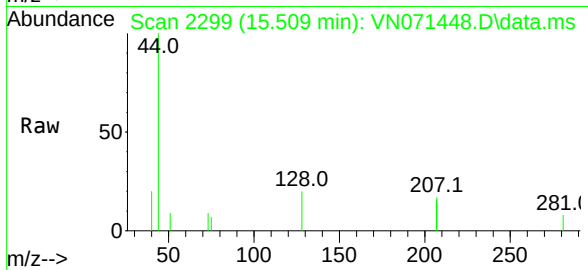
Acq: 22 Mar 2022 04:08

Instrument :

MSVOA_N

ClientSampleId :

MW-4



Tgt Ion:128 Resp: 743

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#

