

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071447.D
 Acq On : 22 Mar 2022 03:44
 Operator : JC\MD
 Sample : N2017-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: Mar 22 06:31:40 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)

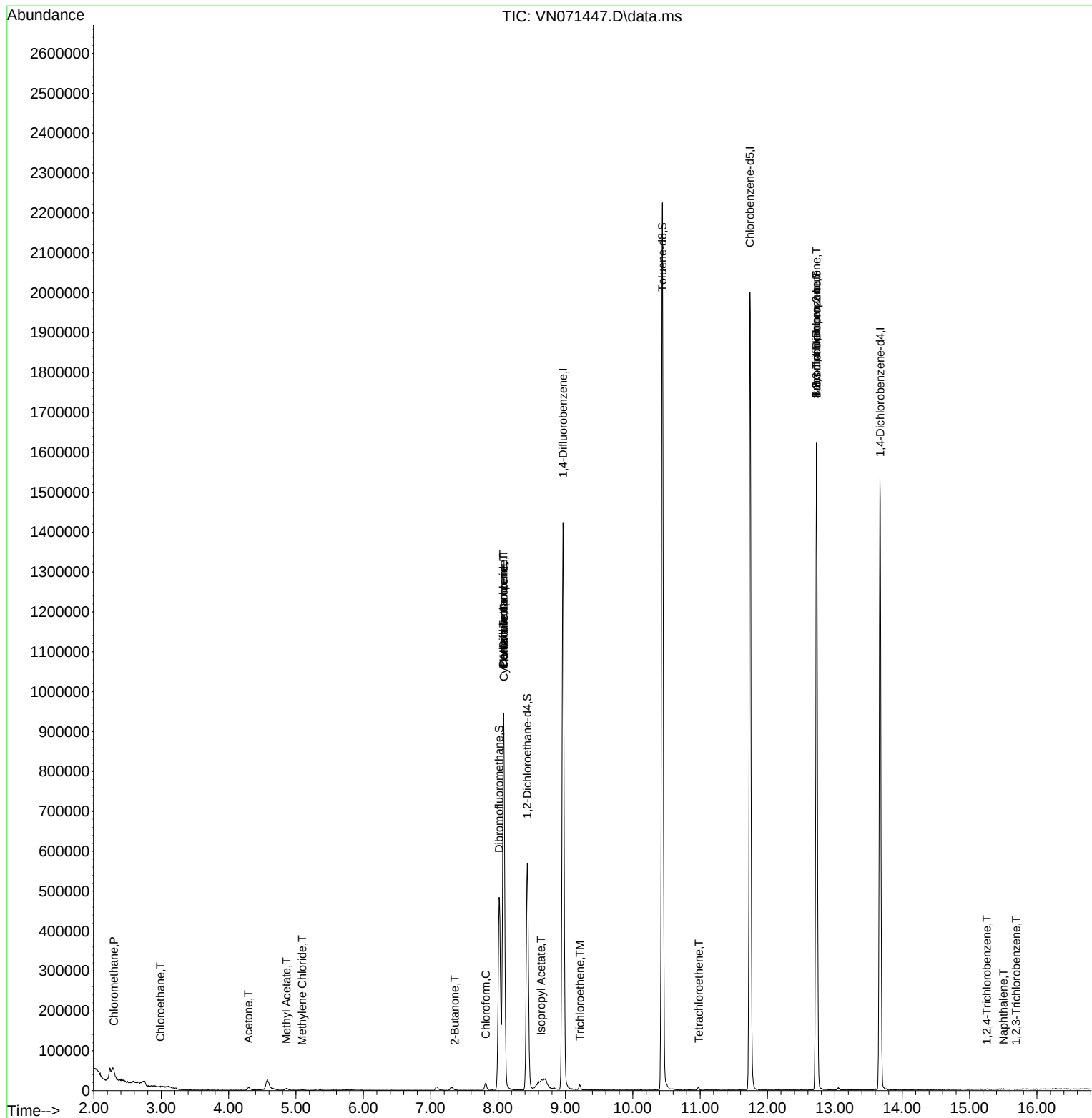
Internal Standards						
1) Pentafluorobenzene	8.080	168	721702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1233870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1169575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	417570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	476267	48.151	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.300%
35) Dibromofluoromethane	8.016	113	360431	46.291	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.580%
50) Toluene-d8	10.439	98	1510559	48.185	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.727	95	553468	52.137	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3442	0.290	ug/l	94
5) Bromomethane	2.869	94	1374	Below Cal	#	62
6) Chloroethane	2.987	64	1284	0.219	ug/l	# 42
16) Acetone	4.292	43	9782	2.033	ug/l	98
18) Methyl Acetate	4.857	43	9797	1.221	ug/l	96
20) Methylene Chloride	5.092	84	1269	0.525	ug/l	# 90
25) 2-Butanone	7.357	43	2468	0.318	ug/l	98
30) Chloroform	7.816	83	17338	1.110	ug/l	99
31) Cyclohexane	8.086	56	15217	0.963	ug/l	# 1
36) 1,1-Dichloropropene	8.080	75	57080	4.576	ug/l	# 48
38) Carbon Tetrachloride	8.080	117	72684	6.024	ug/l	# 17
43) Isopropyl Acetate	8.639	43	41660	1.623	ug/l	# 55
44) Trichloroethene	9.216	130	4419	0.498	ug/l	90
64) Tetrachloroethene	10.980	164	1746	0.214	ug/l	# 71
71) Bromoform	12.727	173	3210	0.459	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.727	83	400	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	289175	27.291	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	289175	74.861	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.256	180	285	3.028	ug/l	# 85
95) Naphthalene	15.503	128	1079	5.118	ug/l	# 75
96) 1,2,3-Trichlorobenzene	15.692	180	285	2.773	ug/l	# 12

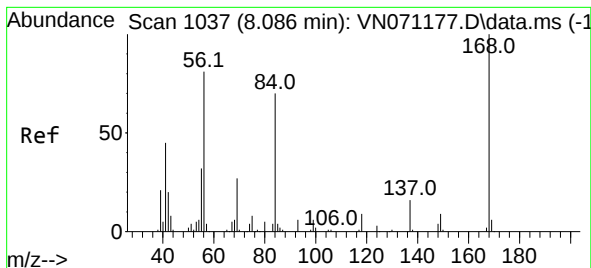
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 08 06:52:46 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

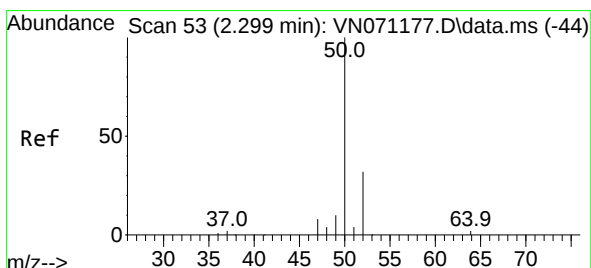
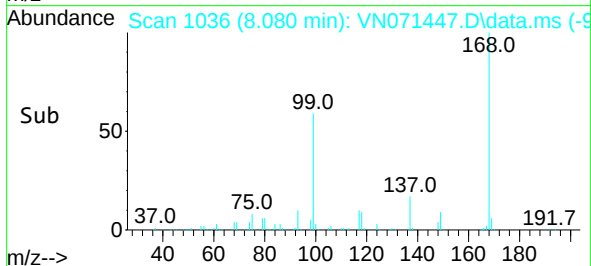
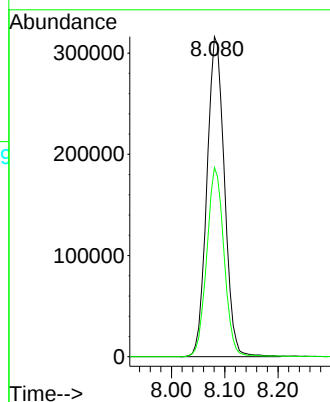
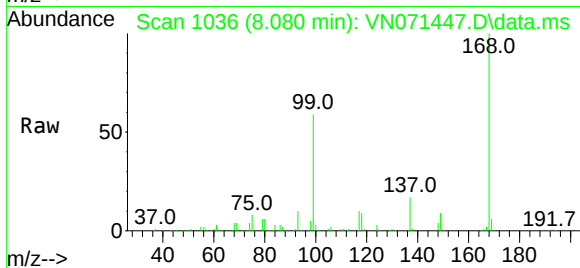
MW-3

Tgt Ion:168 Resp: 721702

Ion Ratio Lower Upper

168 100

99 59.1 41.3 61.9



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.298 min Scan# 53

Delta R.T. -0.001 min

Lab File: VN071447.D

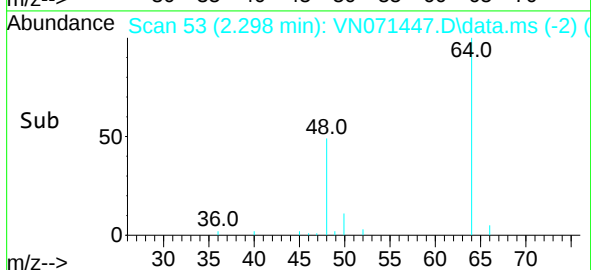
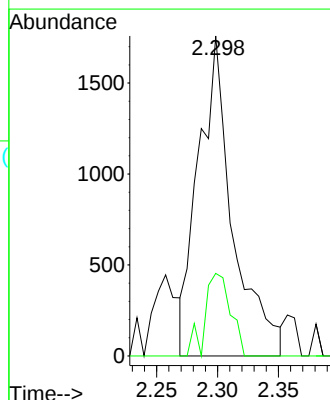
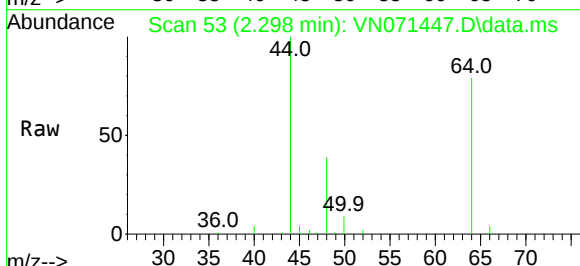
Acq: 22 Mar 2022 03:44

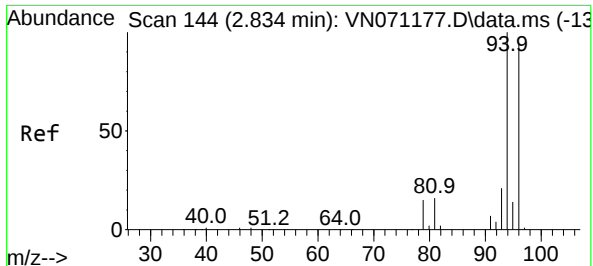
Tgt Ion: 50 Resp: 3442

Ion Ratio Lower Upper

50 100

52 28.4 25.4 38.0

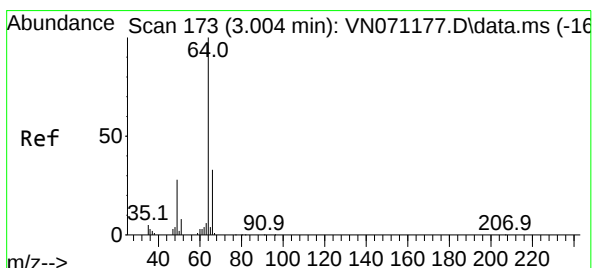
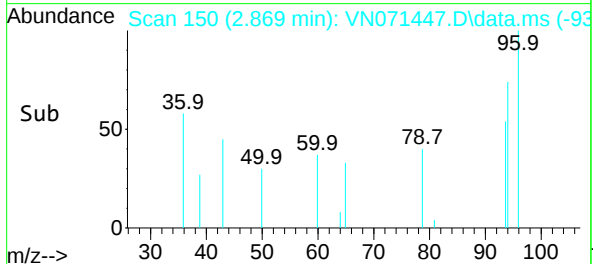
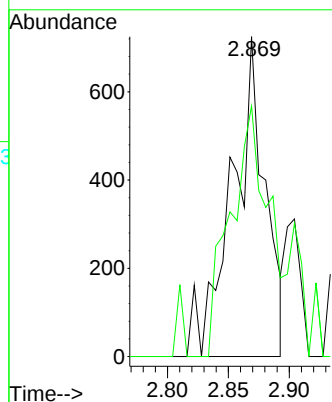
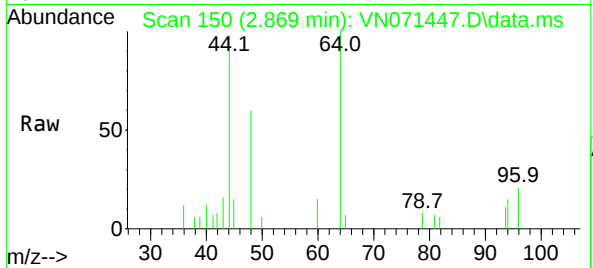




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

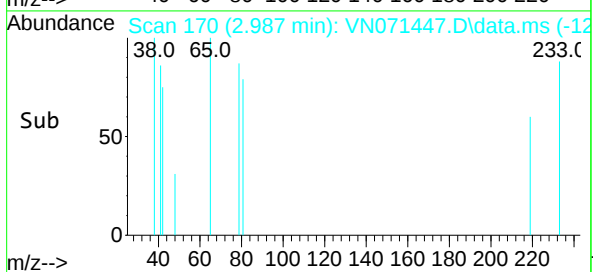
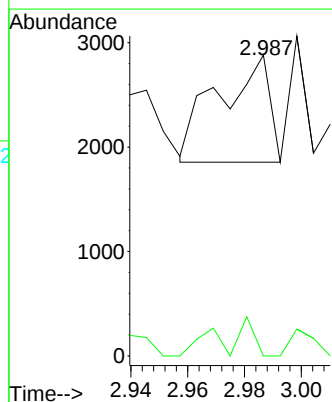
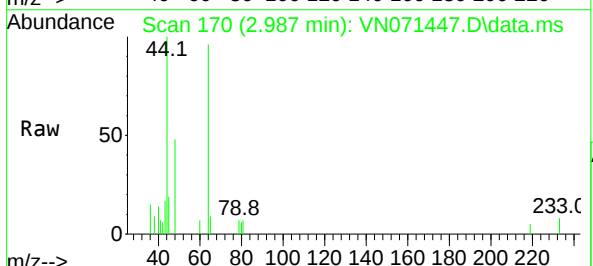
Instrument :
MSVOA_N
ClientSampleId :
MW-3

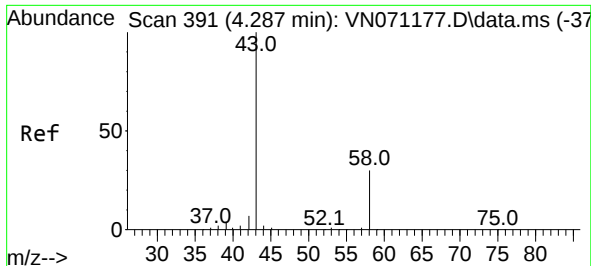
Tgt Ion: 94 Resp: 1374
Ion Ratio Lower Upper
94 100
96 55.9 73.8 110.8#



#6
Chloroethane
Concen: 0.219 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.017 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 64 Resp: 1284
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

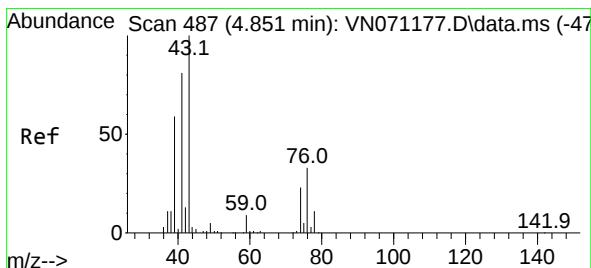
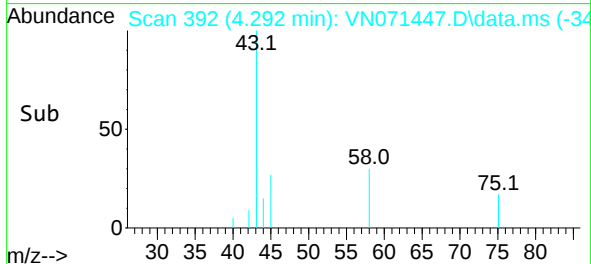
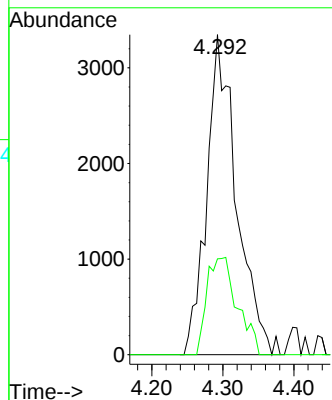
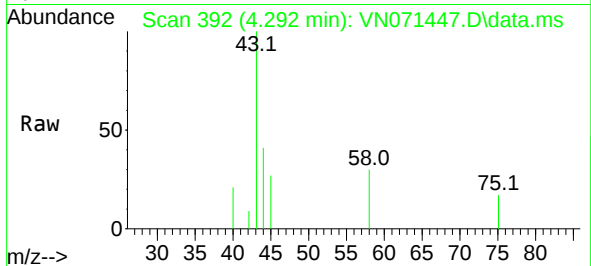




#16
Acetone
Concen: 2.033 ug/l
RT: 4.292 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

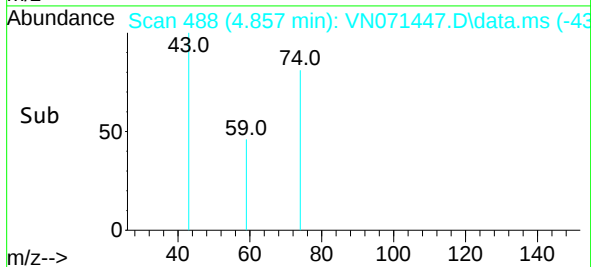
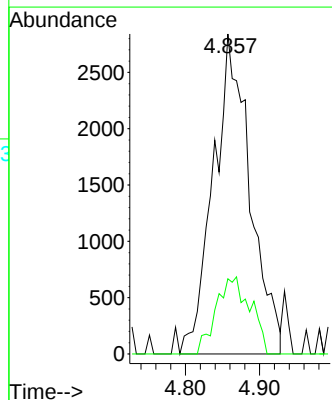
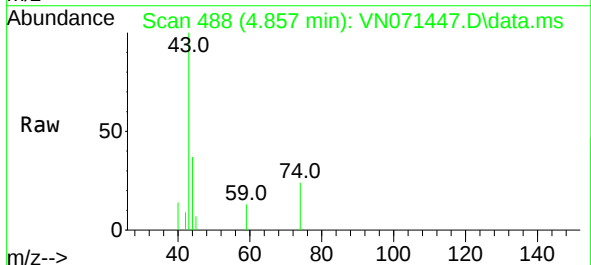
Instrument :
MSVOA_N
ClientSampleId :
MW-3

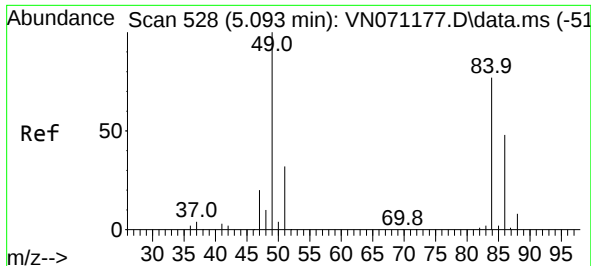
Tgt Ion: 43 Resp: 9782
Ion Ratio Lower Upper
43 100
58 29.9 23.1 34.7



#18
Methyl Acetate
Concen: 1.221 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

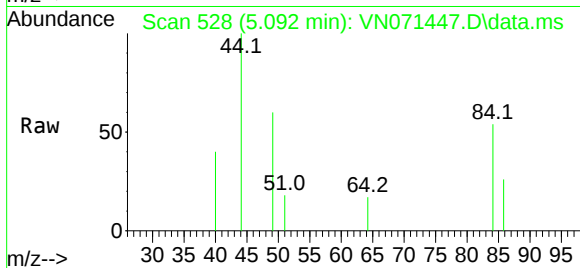
Tgt Ion: 43 Resp: 9797
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2



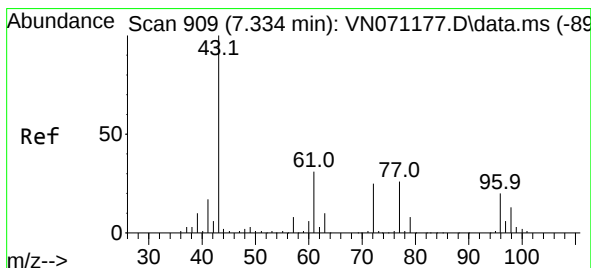
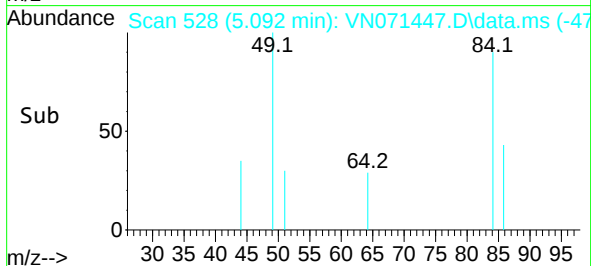
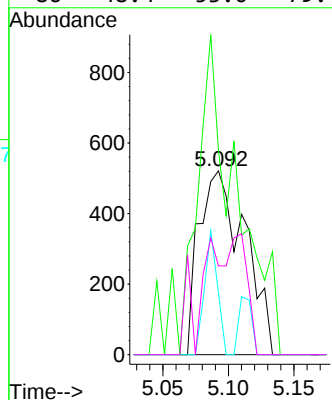


#20
Methylene Chloride
Concen: 0.525 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
MW-3

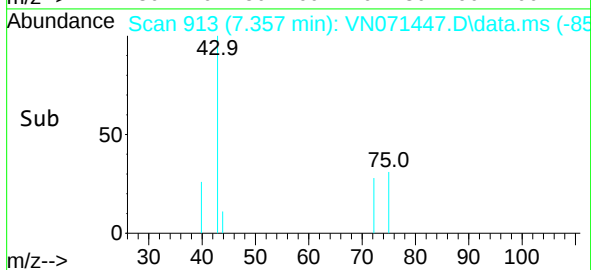
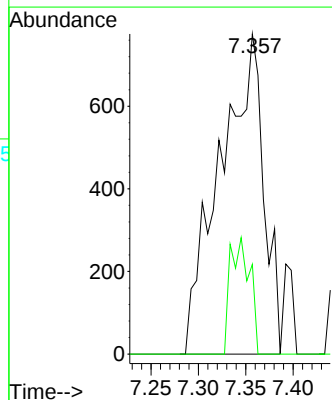
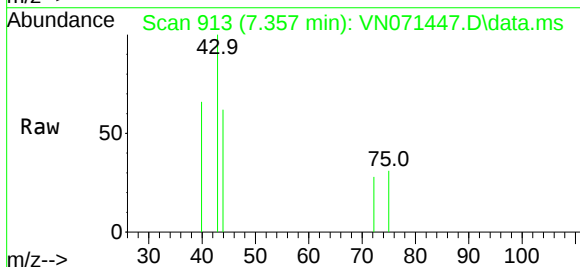


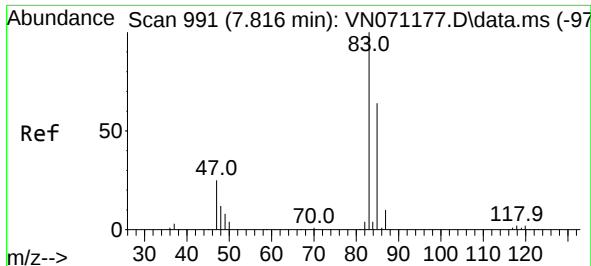
Tgt Ion:	84	Resp:	1269
Ion	Ratio	Lower	Upper
84	100		
49	111.3	93.5	140.3
51	33.8	29.4	44.2
86	48.4	53.0	79.4



#25
2-Butanone
Concen: 0.318 ug/l
RT: 7.357 min Scan# 913
Delta R.T. 0.023 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion:	43	Resp:	2468
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.7	32.5

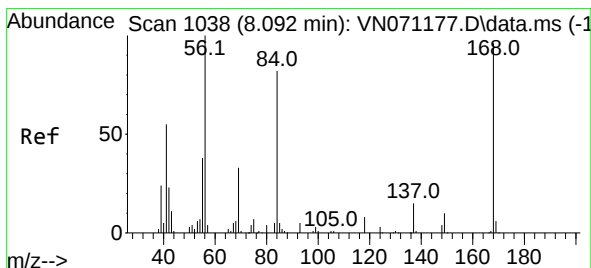
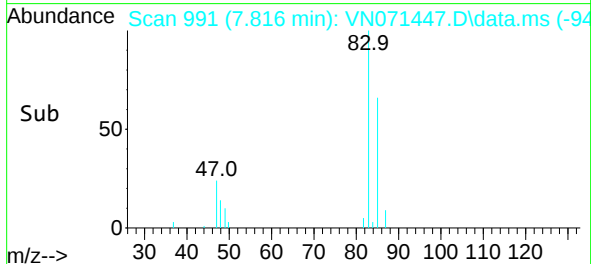
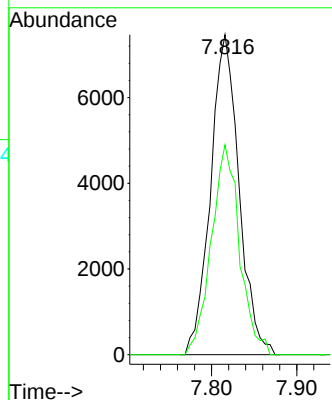
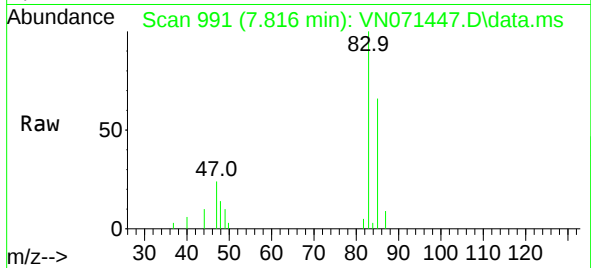




#30
Chloroform
Concen: 1.110 ug/l
RT: 7.816 min Scan# 991
Delta R.T. -0.000 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

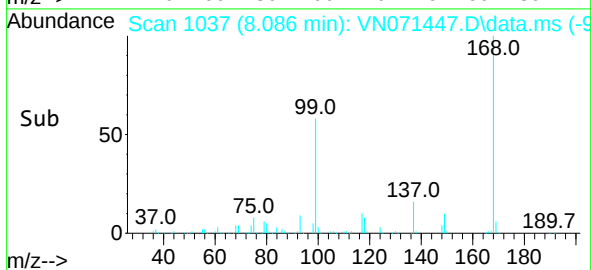
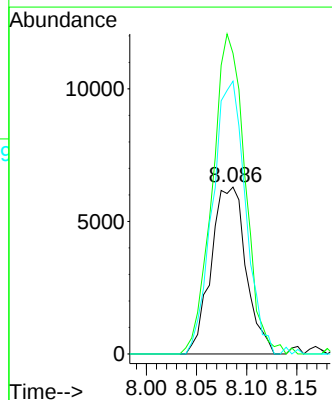
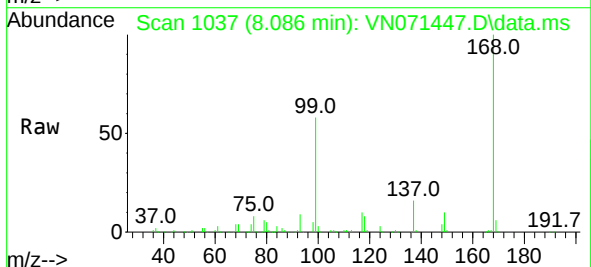
Instrument :
MSVOA_N
ClientSampleId :
MW-3

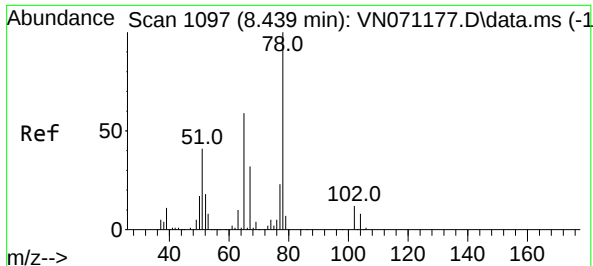
Tgt Ion: 83 Resp: 17338
Ion Ratio Lower Upper
83 100
85 65.5 51.9 77.9



#31
Cyclohexane
Concen: 0.963 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 56 Resp: 15217
Ion Ratio Lower Upper
56 100
69 180.2 27.1 40.7#
84 163.6 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.151 ug/l

RT: 8.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

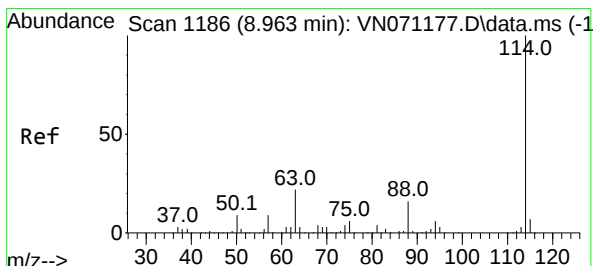
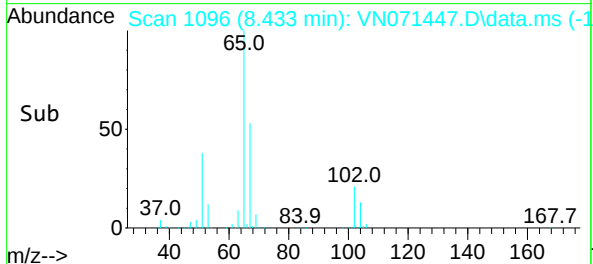
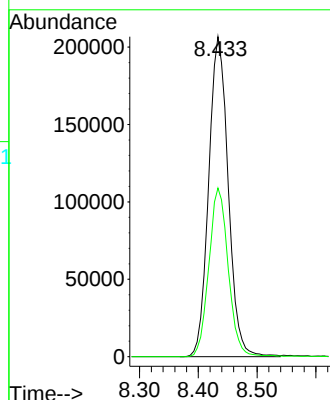
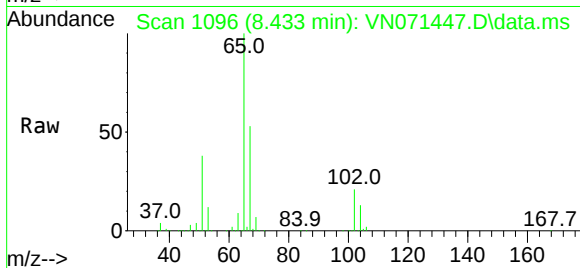
MW-3

Tgt Ion: 65 Resp: 476267

Ion Ratio Lower Upper

65 100

67 52.3 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: VN071447.D

Acq: 22 Mar 2022 03:44

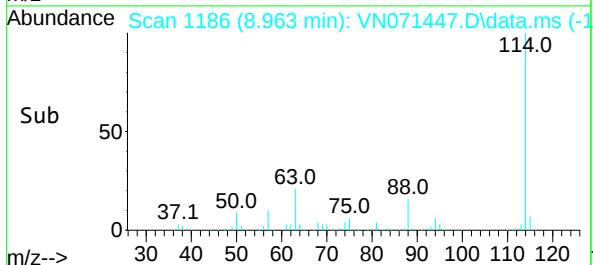
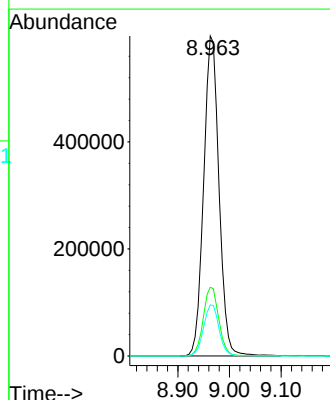
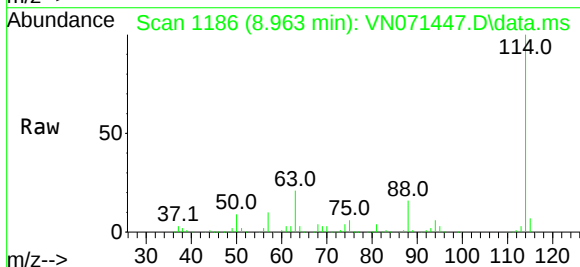
Tgt Ion: 114 Resp: 1233870

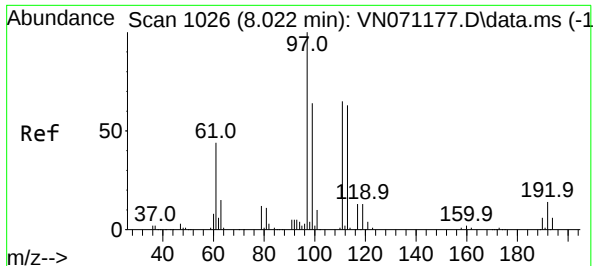
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 15.9 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.291 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

MW-3

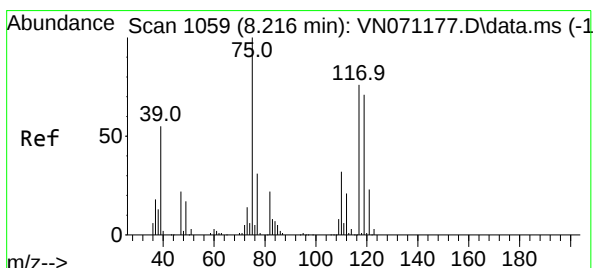
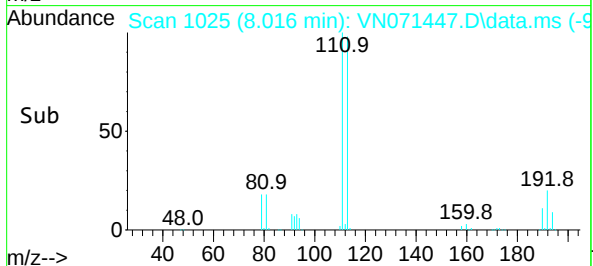
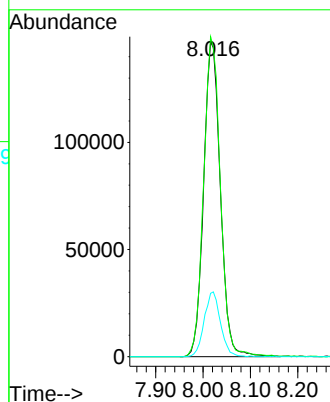
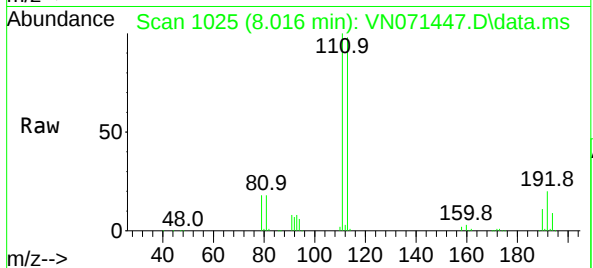
Tgt Ion:113 Resp: 360431

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 20.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.576 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

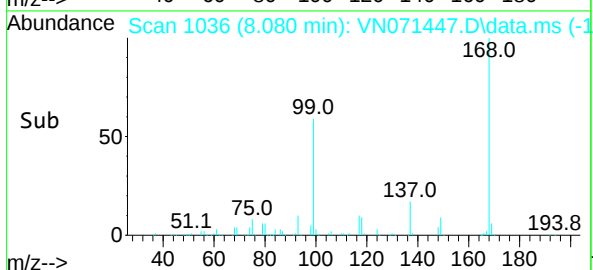
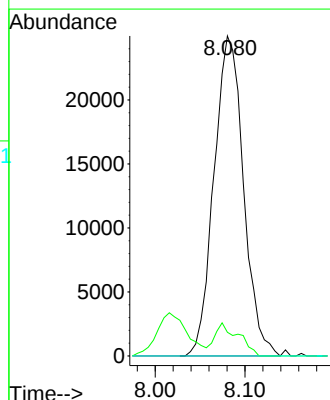
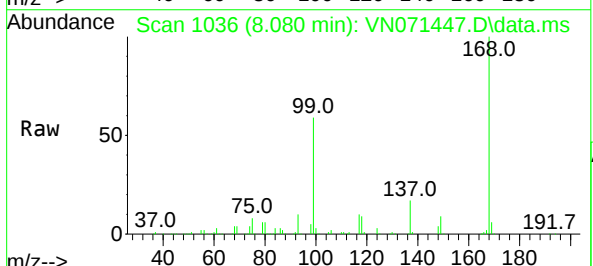
Tgt Ion: 75 Resp: 57080

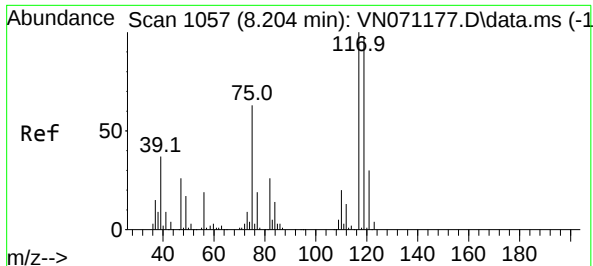
Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

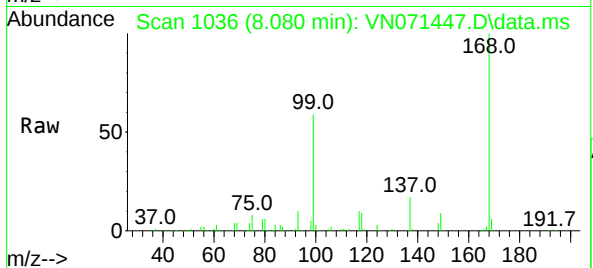
77 0.0 24.4 36.6#



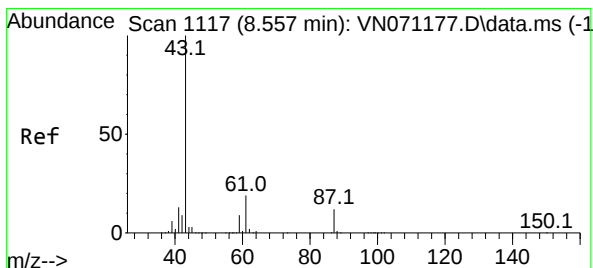
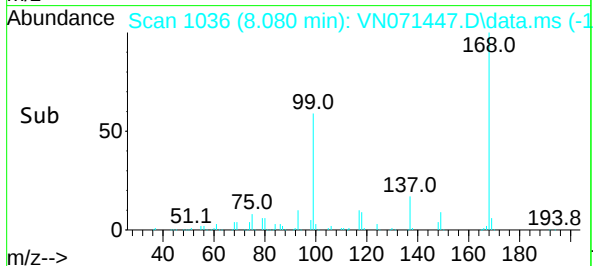
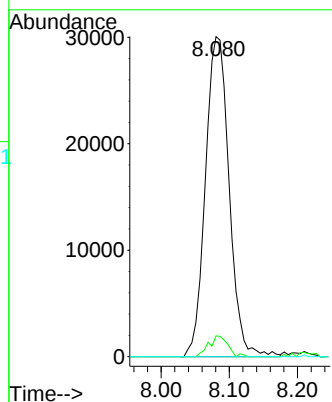


#38
Carbon Tetrachloride
Concen: 6.024 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
MW-3

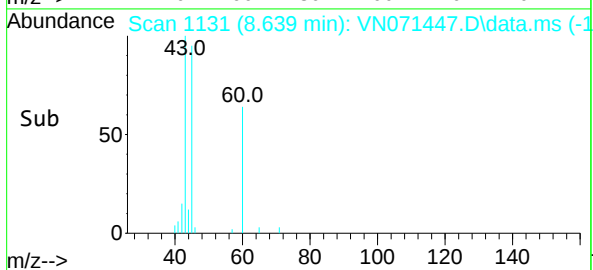
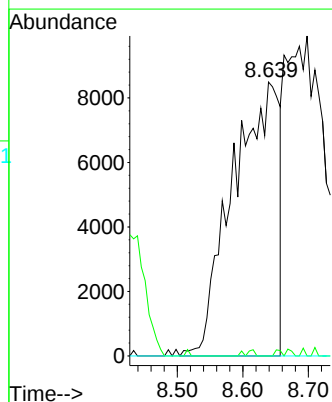
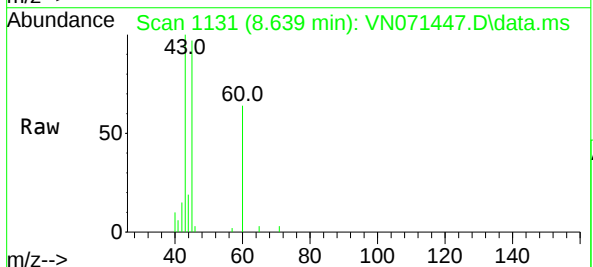


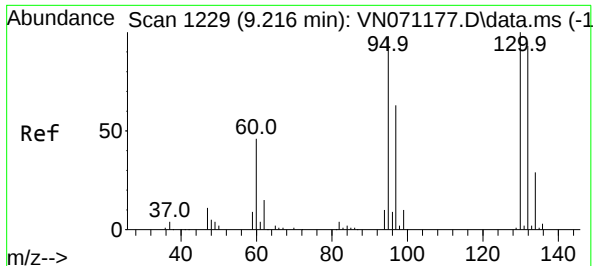
Tgt Ion:117 Resp: 72684
Ion Ratio Lower Upper
117 100
119 6.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.623 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.082 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 43 Resp: 41660
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

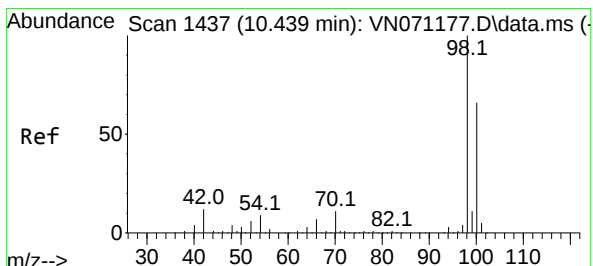
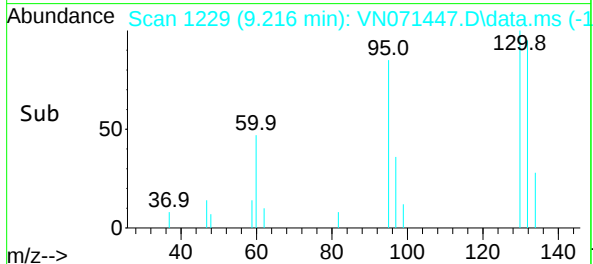
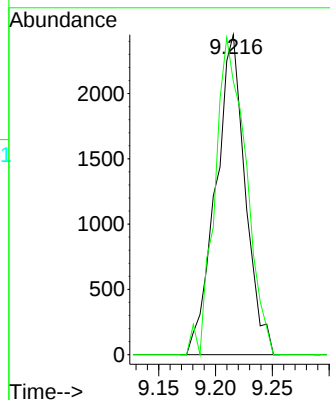
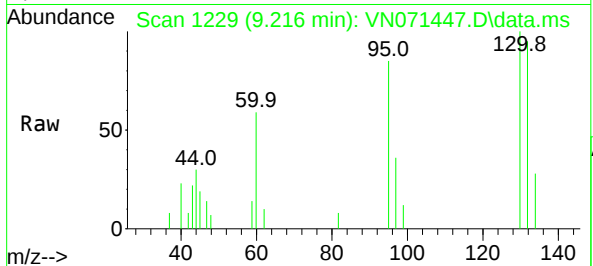




#44
Trichloroethene
Concen: 0.498 ug/l
RT: 9.216 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

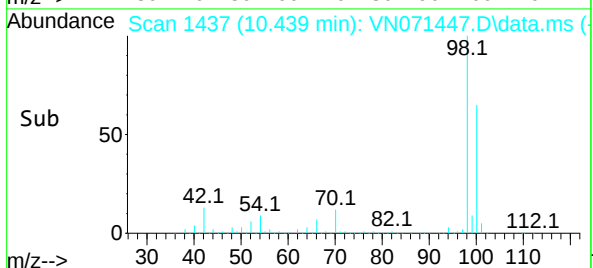
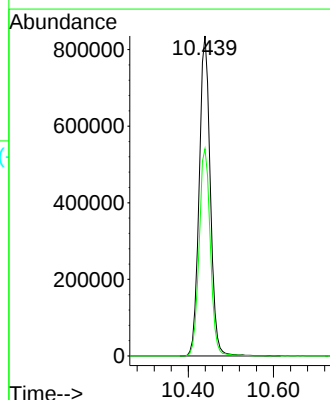
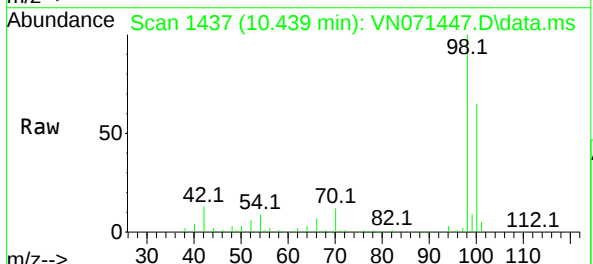
Instrument :
MSVOA_N
ClientSampleId :
MW-3

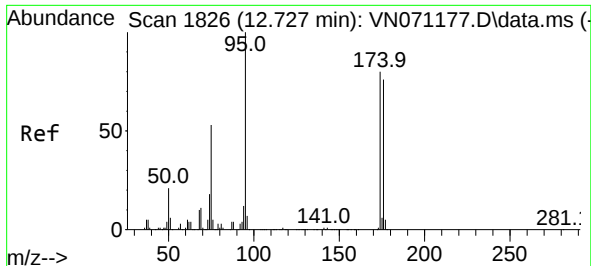
Tgt Ion:130 Resp: 4419
Ion Ratio Lower Upper
130 100
95 85.4 0.0 191.2



#50
Toluene-d8
Concen: 48.185 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 98 Resp: 1510559
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

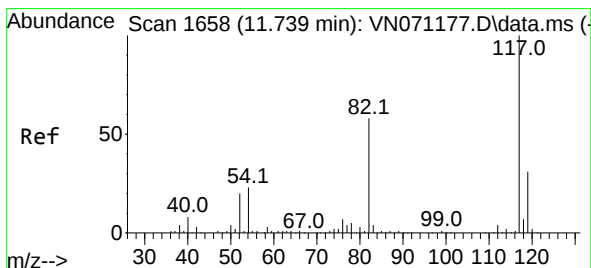
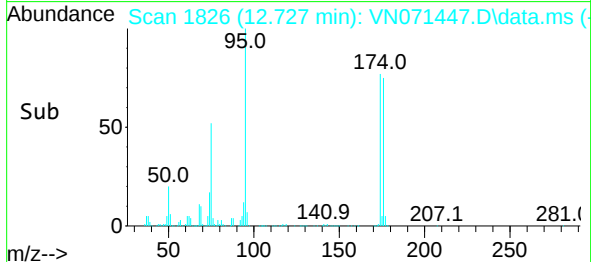
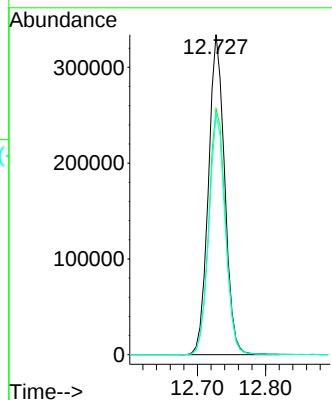
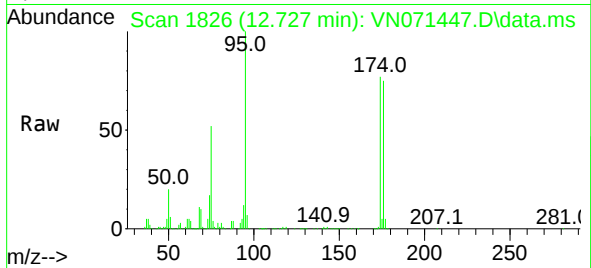




#62
4-Bromofluorobenzene
Concen: 52.137 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

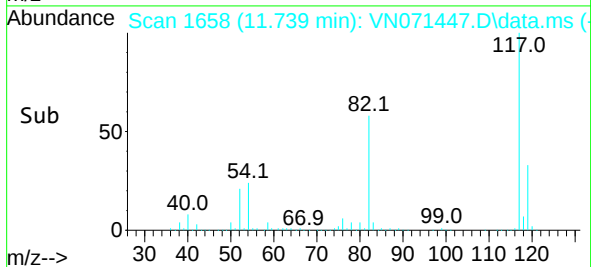
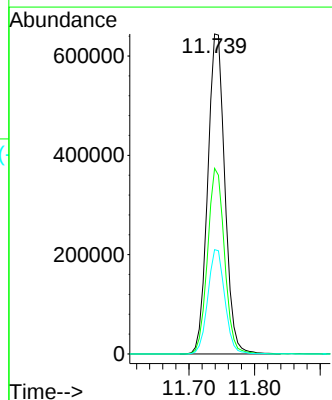
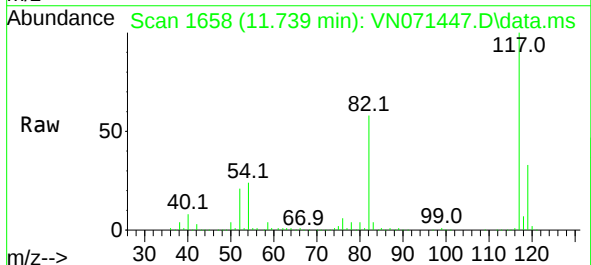
Instrument :
MSVOA_N
ClientSampleId :
MW-3

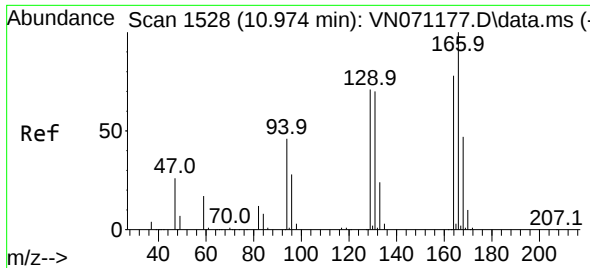
Tgt Ion: 95 Resp: 553468
Ion Ratio Lower Upper
95 100
174 78.9 0.0 187.2
176 75.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 117 Resp: 1169575
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 32.6 25.4 38.2

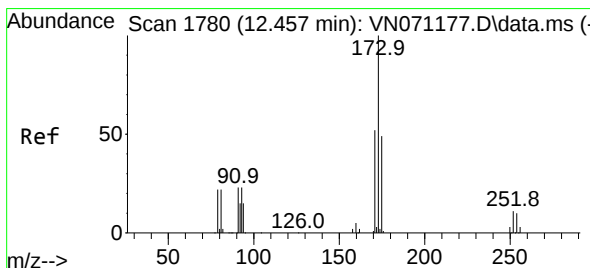
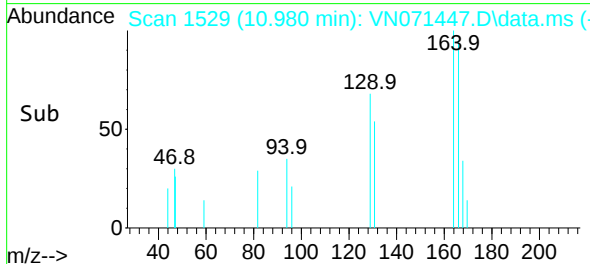
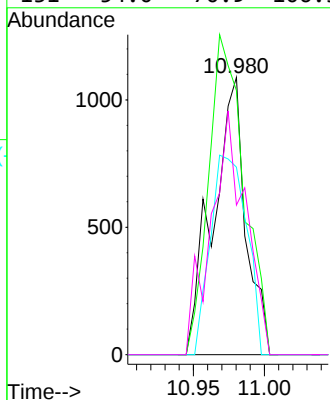
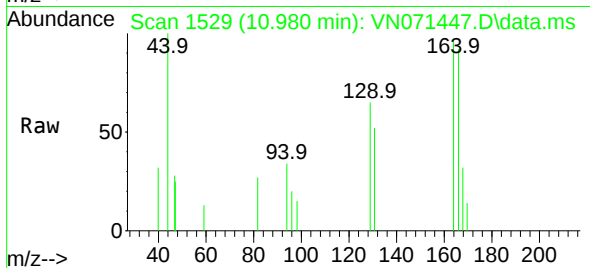




#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 10.980 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

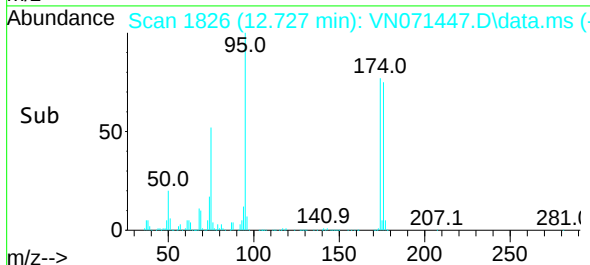
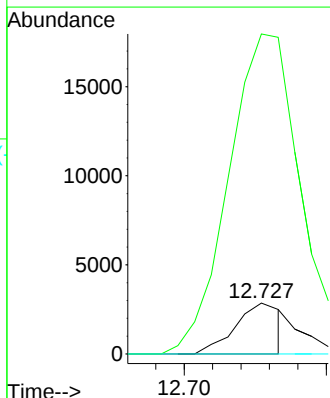
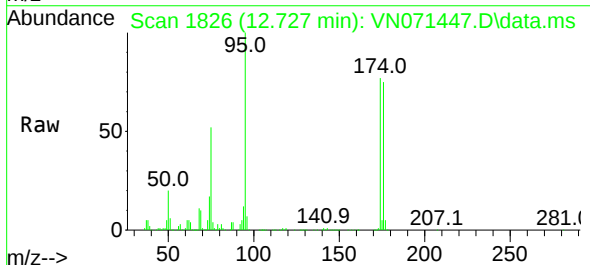
Instrument :
MSVOA_N
ClientSampleId :
MW-3

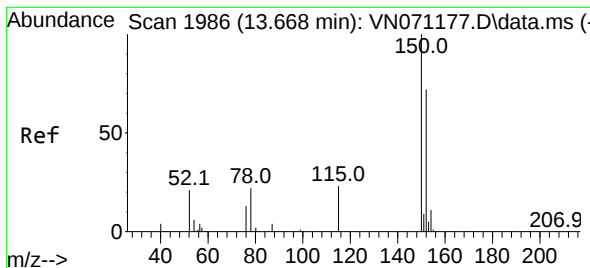
Tgt Ion:164 Resp: 1746
Ion Ratio Lower Upper
164 100
166 95.3 101.9 152.9#
129 67.6 72.0 108.0#
131 54.0 70.9 106.3#



#71
Bromoform
Concen: 0.459 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion:173 Resp: 3210
Ion Ratio Lower Upper
173 100
175 742.3 24.2 72.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1986

Delta R.T. 0.006 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

MW-3

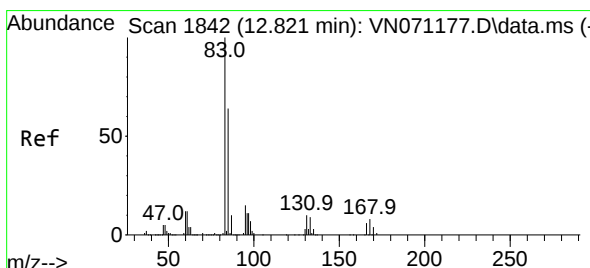
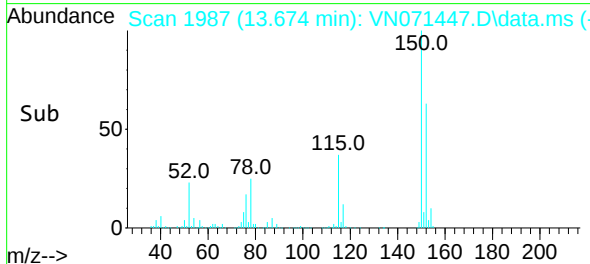
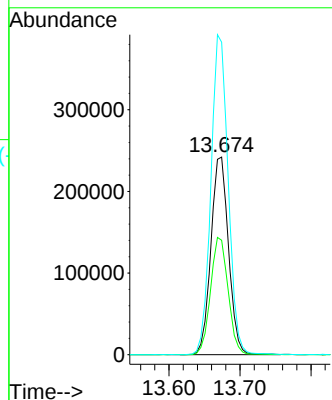
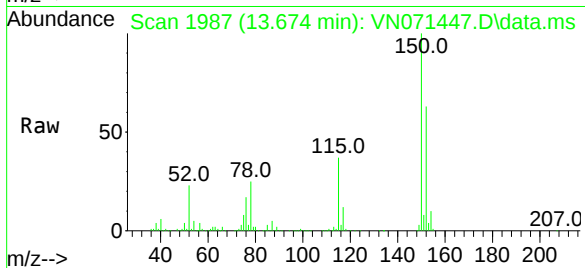
Tgt Ion:152 Resp: 417570

Ion Ratio Lower Upper

152 100

115 59.2 27.5 82.5

150 158.4 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.727 min Scan# 1826

Delta R.T. -0.094 min

Lab File: VN071447.D

Acq: 22 Mar 2022 03:44

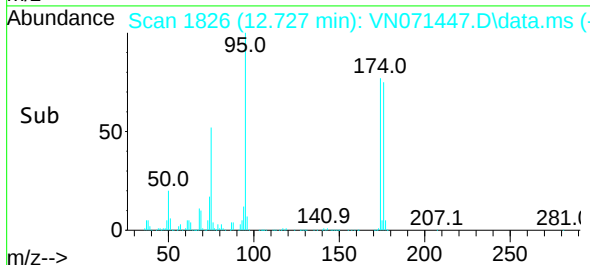
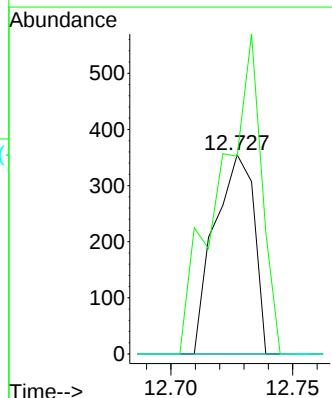
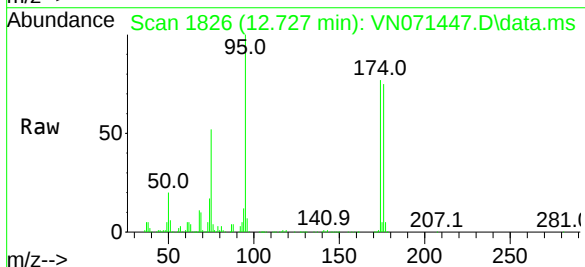
Tgt Ion: 83 Resp: 400

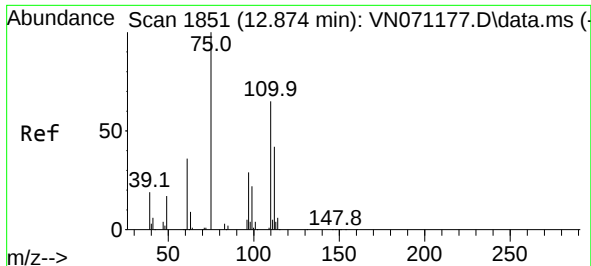
Ion Ratio Lower Upper

83 100

131 168.5 5.5 16.5#

85 0.0 32.4 97.2#

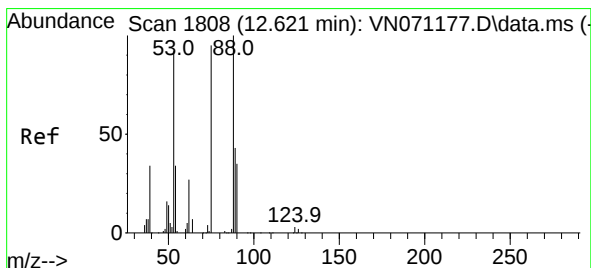
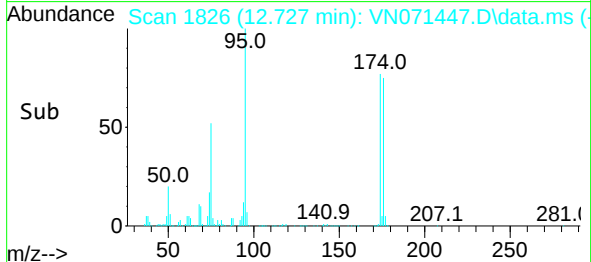
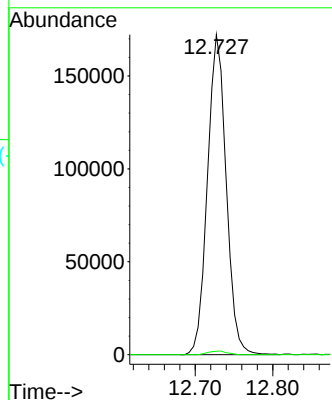
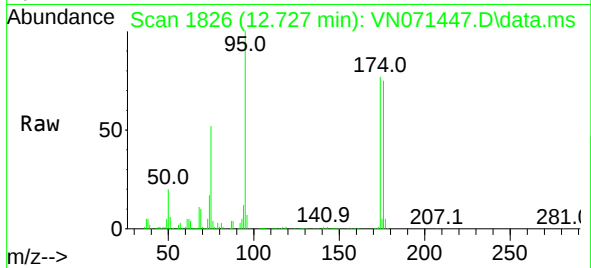




#76
1,2,3-Trichloropropane
Concen: 27.291 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

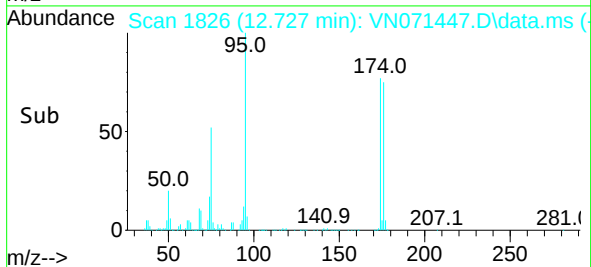
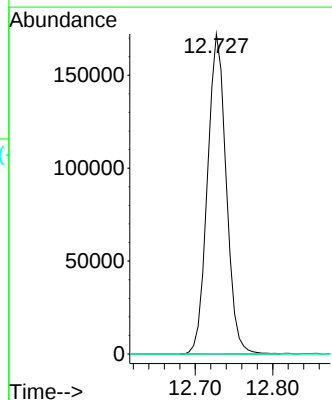
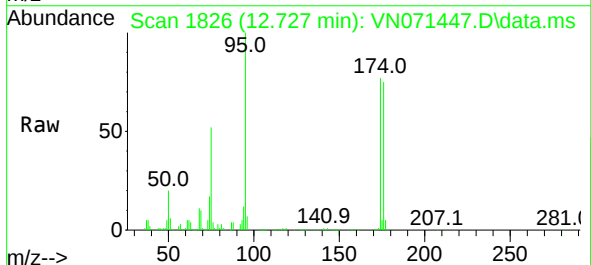
Instrument :
MSVOA_N
ClientSampleId :
MW-3

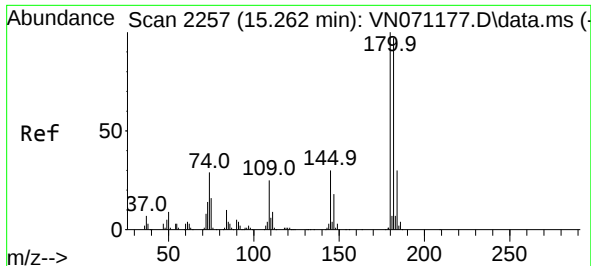
Tgt Ion: 75 Resp: 289175
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.861 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

Tgt Ion: 75 Resp: 289175
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

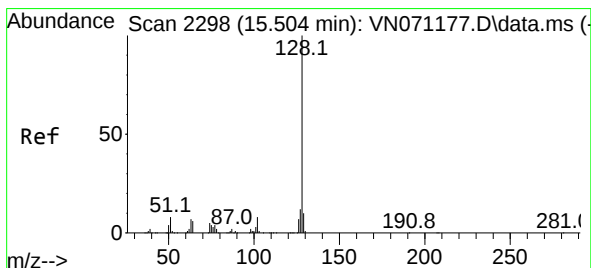
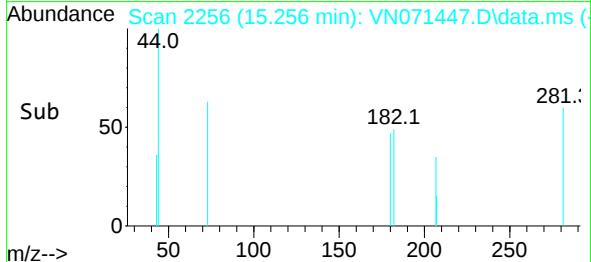
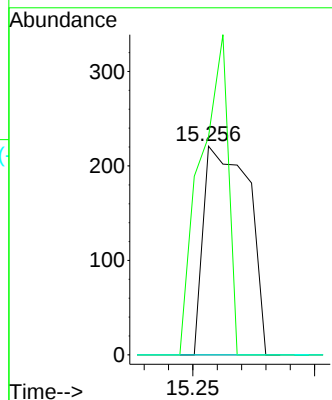
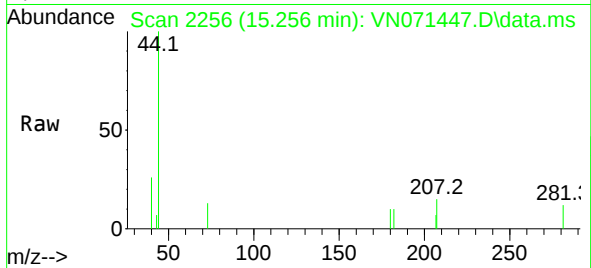




#93
1,2,4-Trichlorobenzene
Concen: 3.028 ug/l
RT: 15.256 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

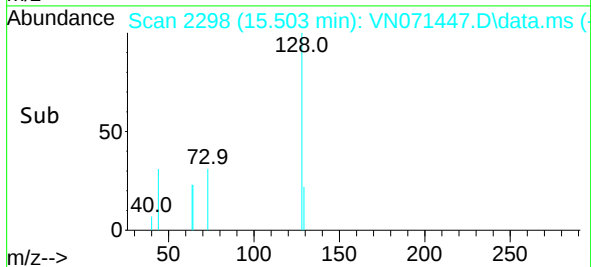
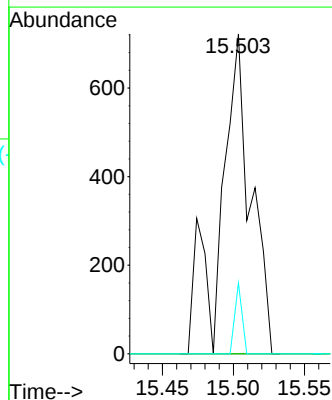
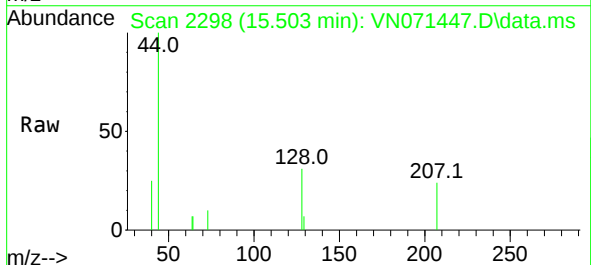
Instrument :
MSVOA_N
ClientSampleId :
MW-3

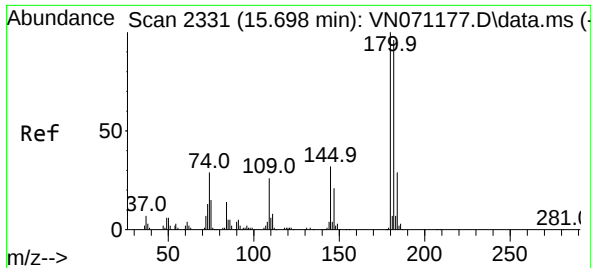
Tgt Ion:180 Resp: 285
Ion Ratio Lower Upper
180 100
182 94.0 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.118 ug/l
RT: 15.503 min Scan# 2298
Delta R.T. -0.001 min
Lab File: VN071447.D
Acq: 22 Mar 2022 03:44

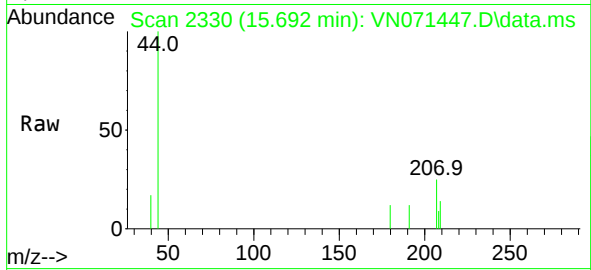
Tgt Ion:128 Resp: 1079
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 5.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.773 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071447.D
 Acq: 22 Mar 2022 03:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3



Tgt Ion:180 Resp: 285
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

