

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071450.D
 Acq On : 22 Mar 2022 04:56
 Operator : JC\MD
 Sample : N2017-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4

Quant Time: Mar 22 06:32:52 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

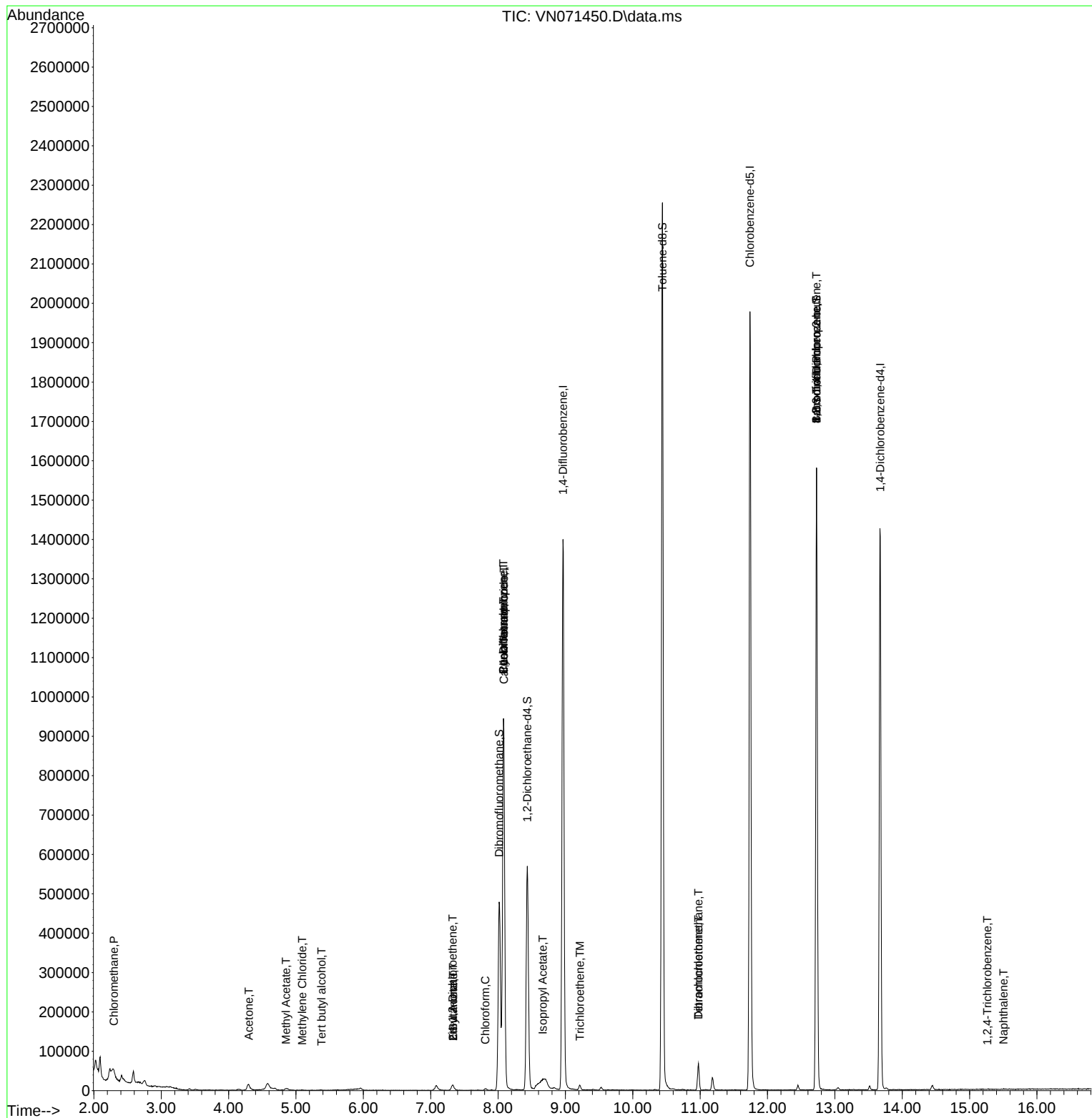
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	726806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1227149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1146706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	401384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	475785	47.764	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.520%
35) Dibromofluoromethane	8.016	113	357615	46.181	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.360%
50) Toluene-d8	10.439	98	1517460	48.670	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.727	95	539958	51.143	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	3440	0.287	ug/l #	83
5) Bromomethane	2.851	94	503	Below Cal	#	58
11) Tert butyl alcohol	5.381	59	1853	0.947	ug/l #	71
16) Acetone	4.298	43	25838	5.331	ug/l	91
18) Methyl Acetate	4.851	43	10683	1.283	ug/l	95
20) Methylene Chloride	5.092	84	247	0.410	ug/l #	38
25) 2-Butanone	7.333	43	5792	0.742	ug/l #	84
27) cis-1,2-Dichloroethene	7.328	96	6414	0.678	ug/l	90
30) Chloroform	7.810	83	3954	0.251	ug/l	85
31) Cyclohexane	8.080	56	15235	0.958	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	56121	4.523	ug/l #	49
37) Ethyl Acetate	7.333	43	5792	0.339	ug/l #	1
38) Carbon Tetrachloride	8.086	117	70744	5.895	ug/l #	16
43) Isopropyl Acetate	8.663	43	44203	1.731	ug/l #	55
44) Trichloroethene	9.216	130	4388	0.497	ug/l	71
60) Dibromochloromethane	10.974	129	14929	1.629	ug/l #	11
64) Tetrachloroethene	10.974	164	15157	1.895	ug/l	94
71) Bromoform	12.727	173	3072	0.448	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.715	83	287	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	283393	27.883	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	283393	76.323	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	158	3.012	ug/l #	12
95) Naphthalene	15.503	128	1038	5.118	ug/l #	76

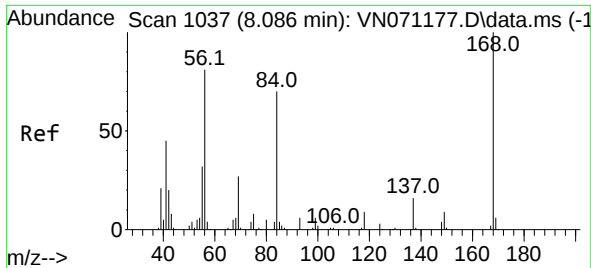
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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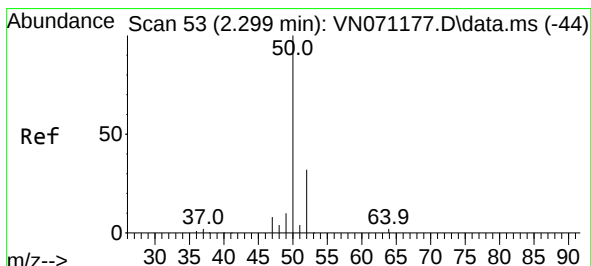
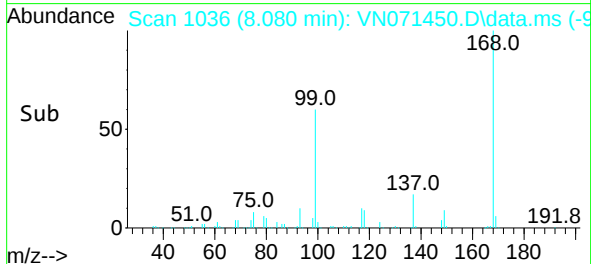
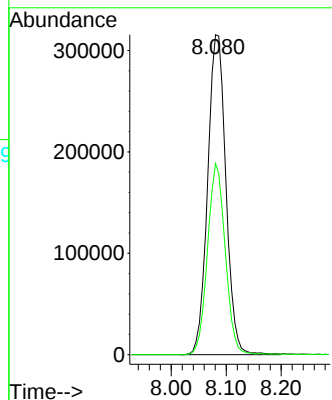
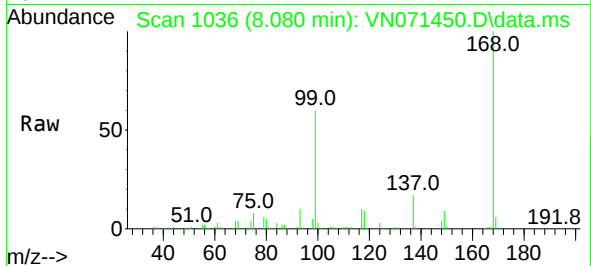




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

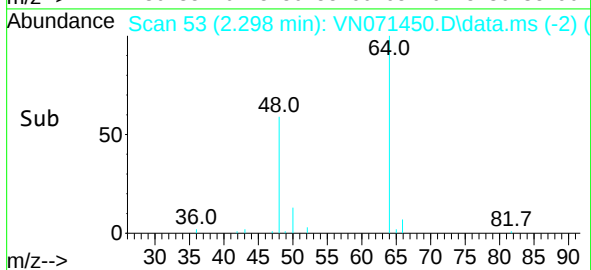
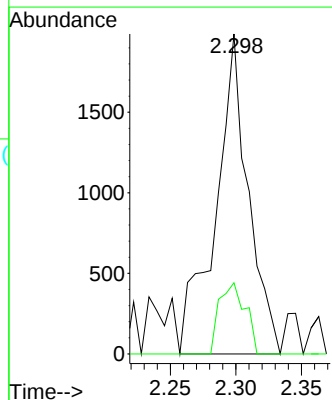
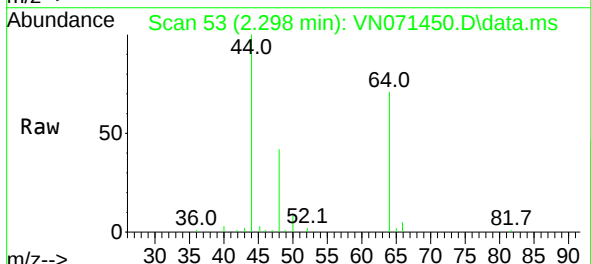
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

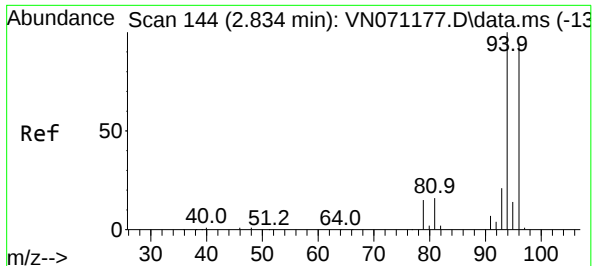
Tgt Ion:168 Resp: 726806
Ion Ratio Lower Upper
168 100
99 59.7 41.3 61.9



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 50 Resp: 3440
Ion Ratio Lower Upper
50 100
52 22.3 25.4 38.0#

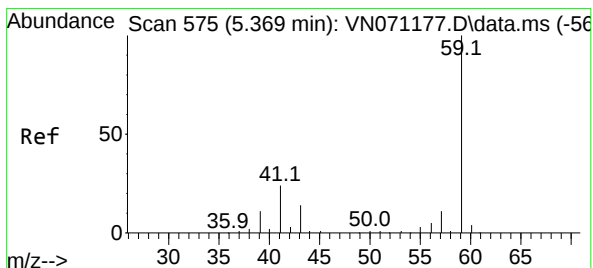
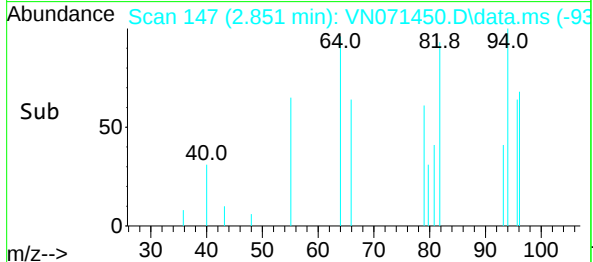
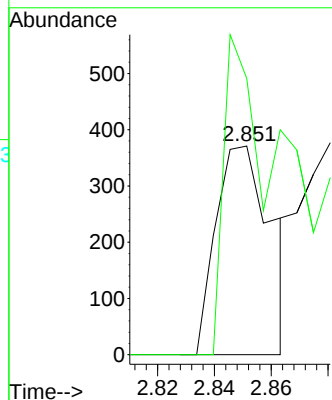
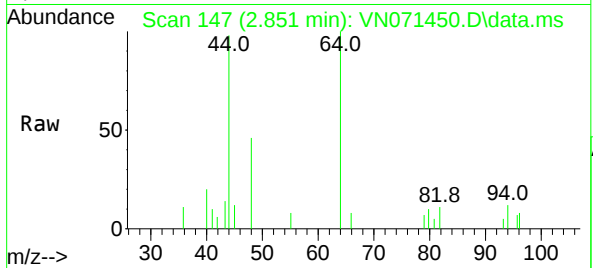




#5
Bromomethane
Concen: Below Cal
RT: 2.851 min Scan# 14
Delta R.T. 0.017 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

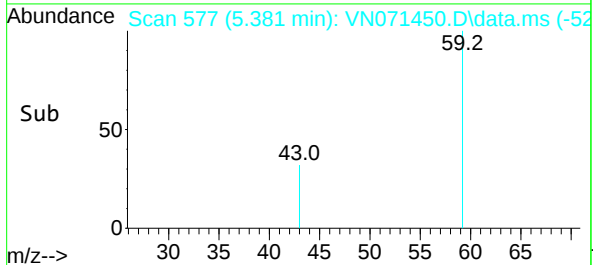
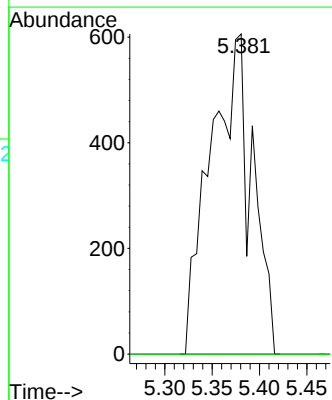
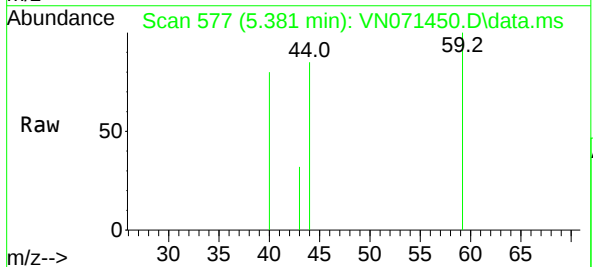
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

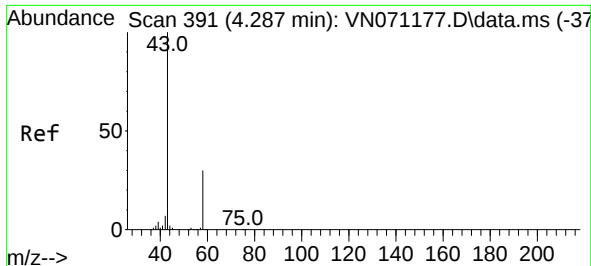
Tgt Ion: 94 Resp: 503
Ion Ratio Lower Upper
94 100
96 132.3 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.947 ug/l
RT: 5.381 min Scan# 577
Delta R.T. 0.012 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 59 Resp: 1853
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

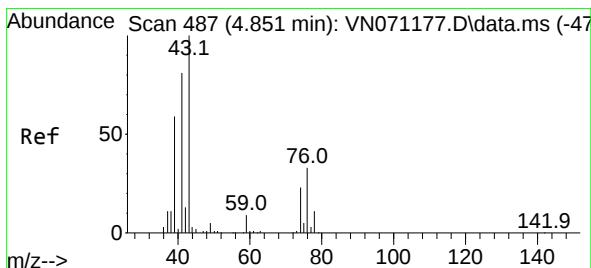
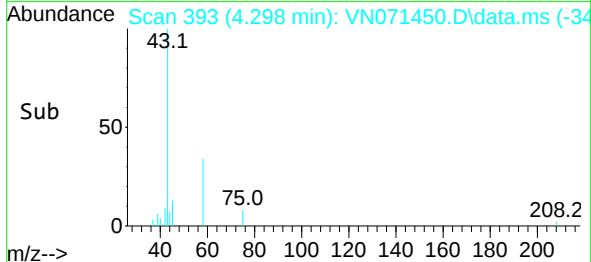
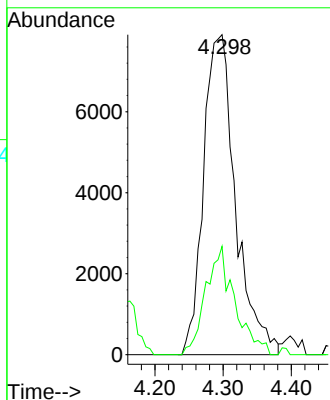
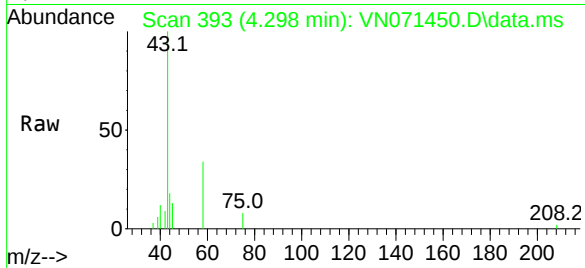




#16
Acetone
Concen: 5.331 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

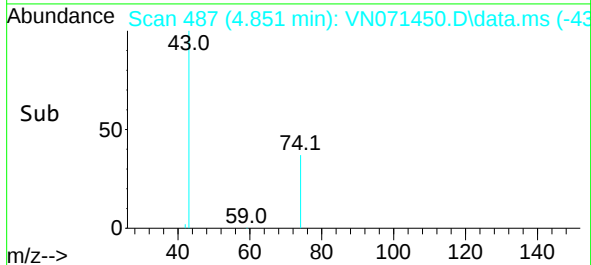
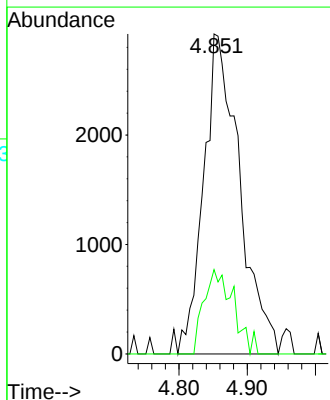
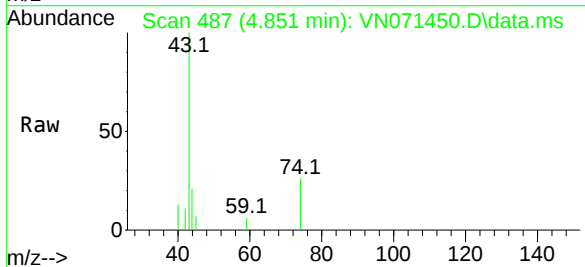
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

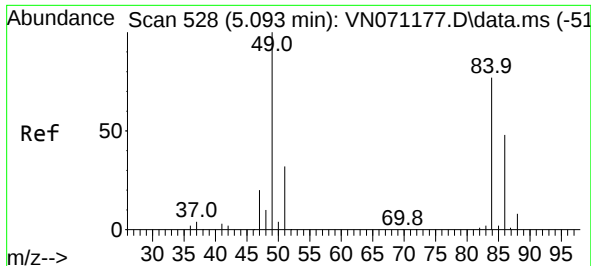
Tgt Ion: 43 Resp: 25838
Ion Ratio Lower Upper
43 100
58 33.9 23.1 34.7



#18
Methyl Acetate
Concen: 1.283 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

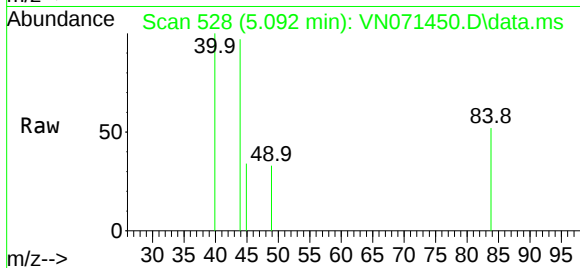
Tgt Ion: 43 Resp: 10683
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2



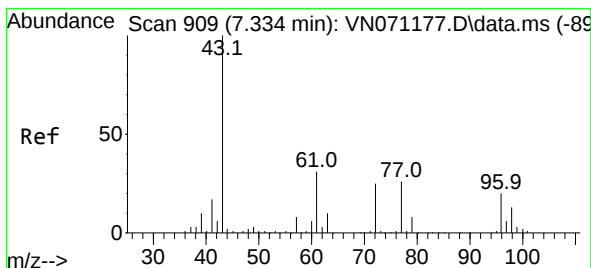
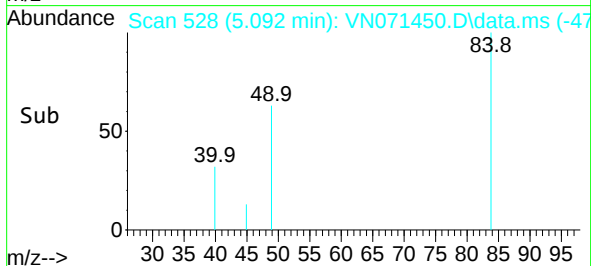
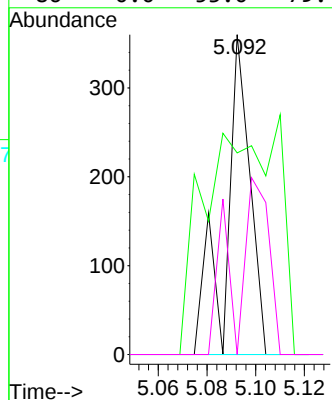


#20
Methylene Chloride
Concen: 0.410 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Instrument :
MSVOA_N
ClientSampleId :
TWP-4

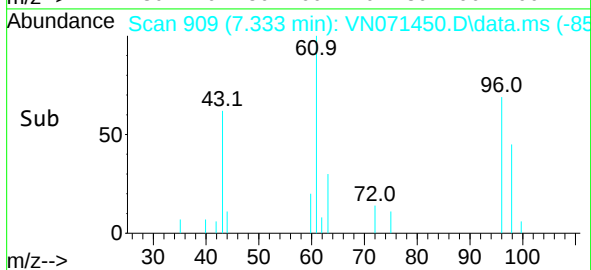
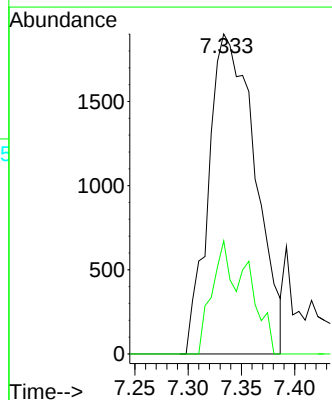
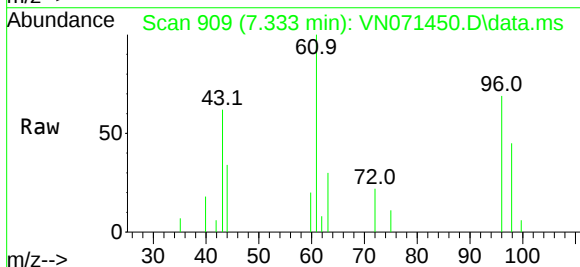


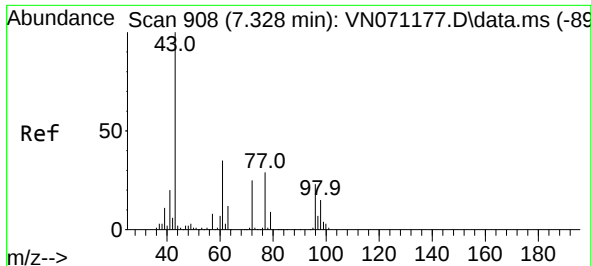
Tgt Ion:	84	Resp:	247
Ion	Ratio	Lower	Upper
84	100		
49	63.1	93.5	140.3#
51	0.0	29.4	44.2#
86	0.0	53.0	79.4#



#25
2-Butanone
Concen: 0.742 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion:	43	Resp:	5792
Ion	Ratio	Lower	Upper
43	100		
72	35.3	21.7	32.5#





#27

cis-1,2-Dichloroethene

Concen: 0.678 ug/l

RT: 7.328 min Scan# 908

Delta R.T. -0.000 min

Lab File: VN071450.D

Acq: 22 Mar 2022 04:56

Instrument :

MSVOA_N

ClientSampleId :

TWP-4

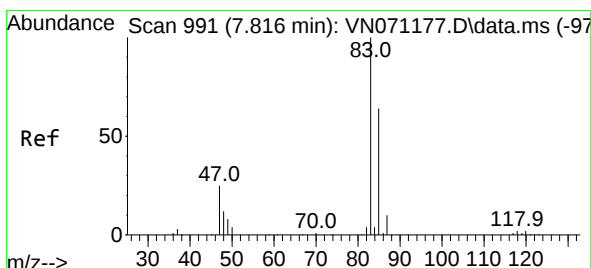
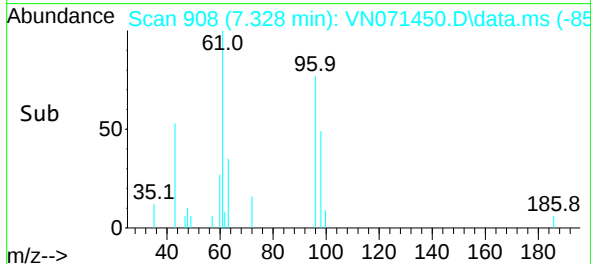
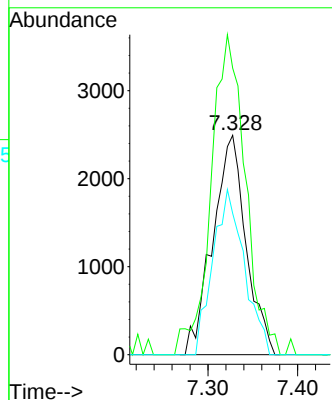
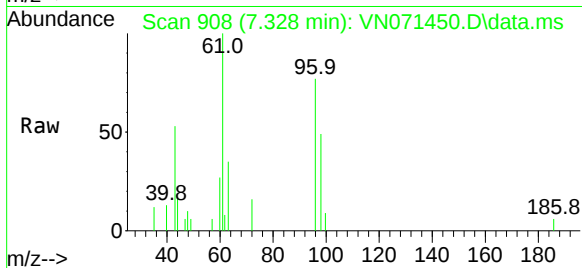
Tgt Ion: 96 Resp: 6414

Ion Ratio Lower Upper

96 100

61 150.9 0.0 275.0

98 71.0 0.0 129.6



#30

Chloroform

Concen: 0.251 ug/l

RT: 7.810 min Scan# 990

Delta R.T. -0.006 min

Lab File: VN071450.D

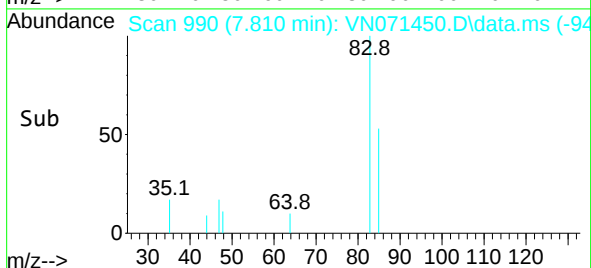
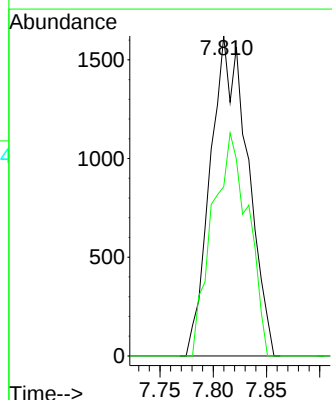
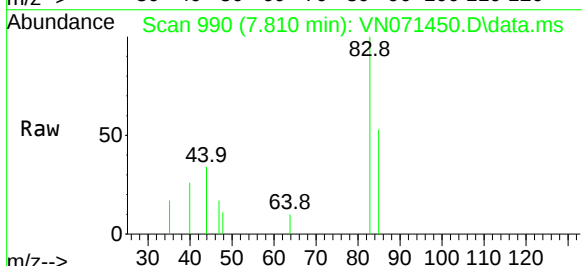
Acq: 22 Mar 2022 04:56

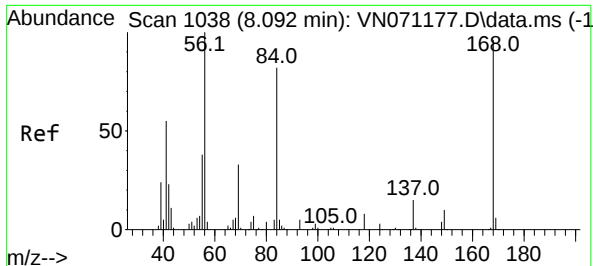
Tgt Ion: 83 Resp: 3954

Ion Ratio Lower Upper

83 100

85 52.9 51.9 77.9





#31

Cyclohexane

Concen: 0.958 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071450.D

Acq: 22 Mar 2022 04:56

Instrument :

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ClientSampleId :

TWP-4

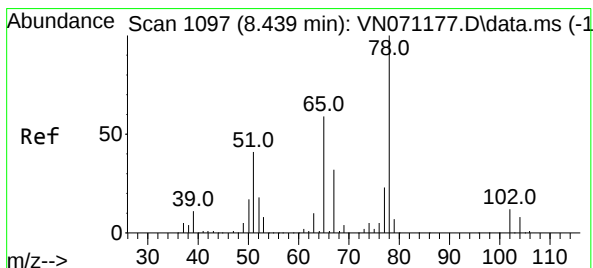
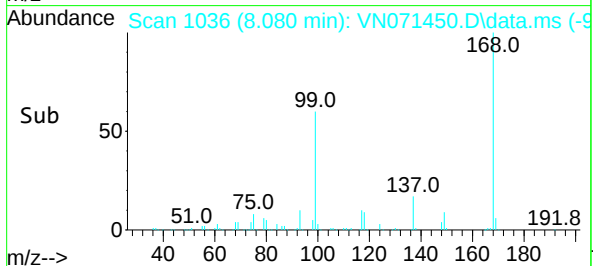
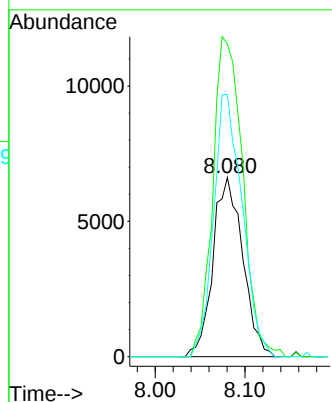
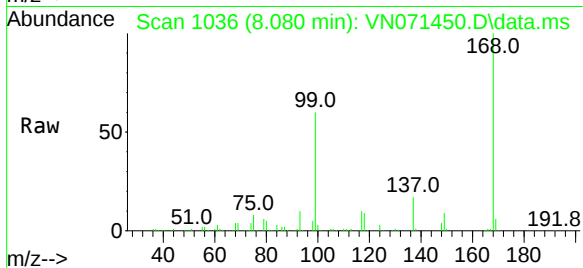
Tgt Ion: 56 Resp: 15235

Ion Ratio Lower Upper

56 100

69 174.5 27.1 40.7#

84 146.3 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.764 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071450.D

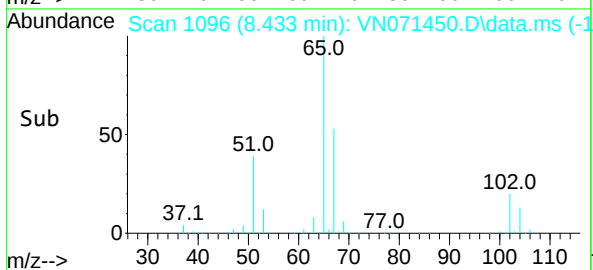
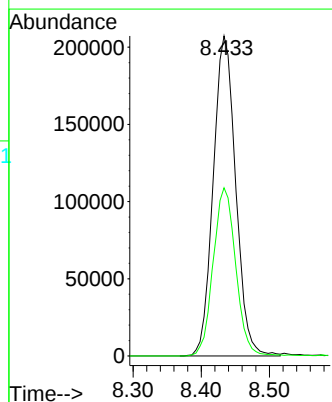
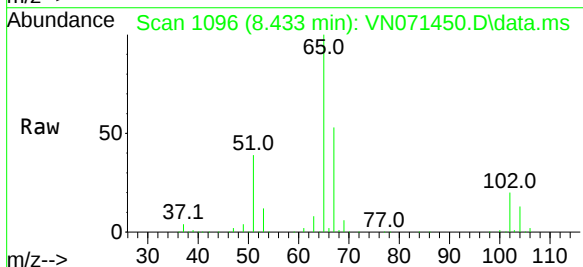
Acq: 22 Mar 2022 04:56

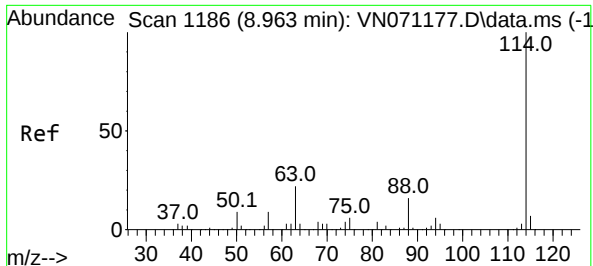
Tgt Ion: 65 Resp: 475785

Ion Ratio Lower Upper

65 100

67 52.8 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: VN071450.D

Acq: 22 Mar 2022 04:56

Instrument :

MSVOA_N

ClientSampleId :

TWP-4

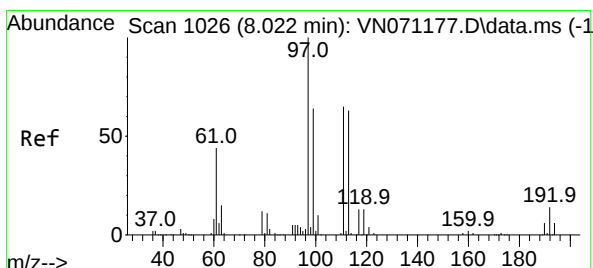
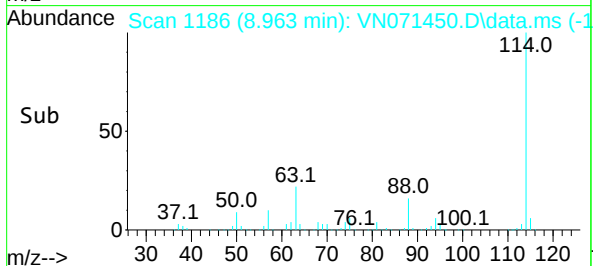
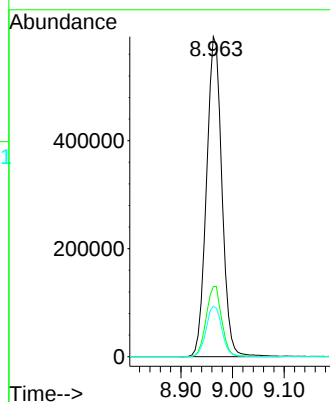
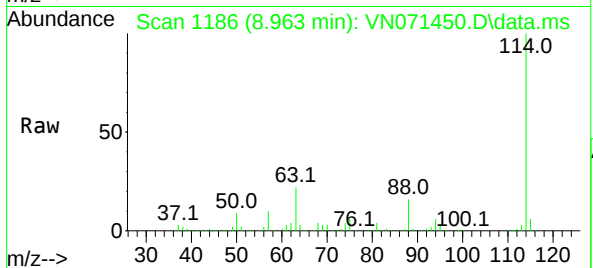
Tgt Ion:114 Resp: 1227149

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.181 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071450.D

Acq: 22 Mar 2022 04:56

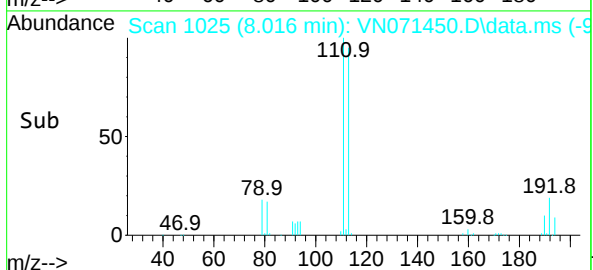
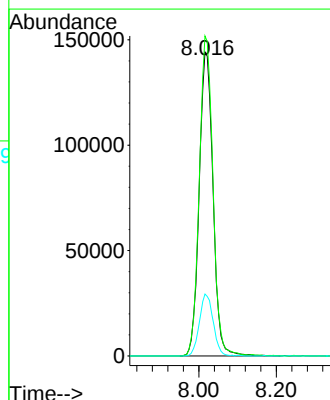
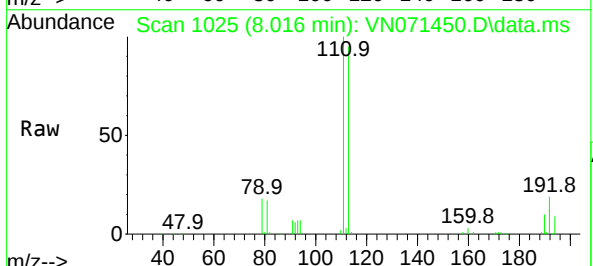
Tgt Ion:113 Resp: 357615

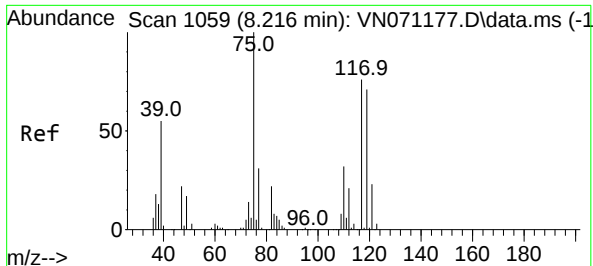
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.523 ug/l

RT: 8.080 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN071450.D

Acq: 22 Mar 2022 04:56

Instrument :

MSVOA_N

ClientSampleId :

TWP-4

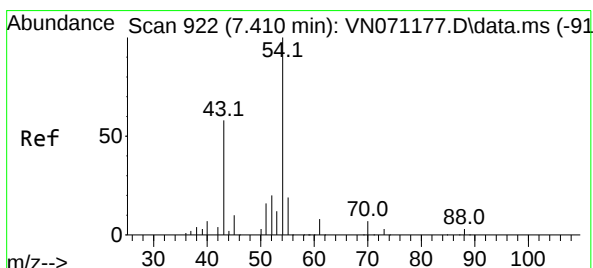
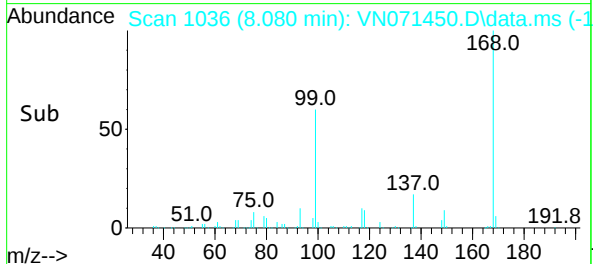
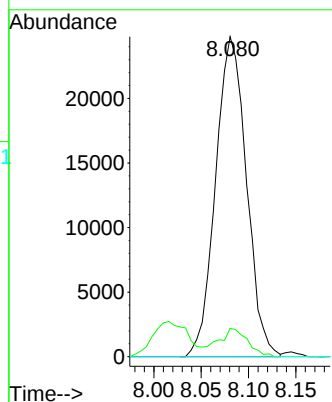
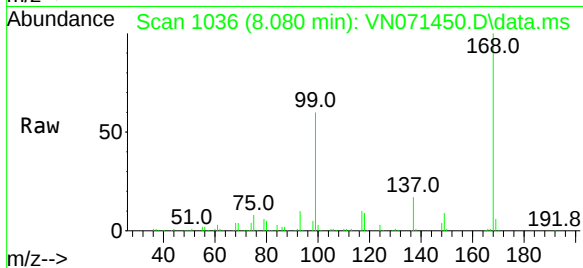
Tgt Ion: 75 Resp: 56121

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.339 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.077 min

Lab File: VN071450.D

Acq: 22 Mar 2022 04:56

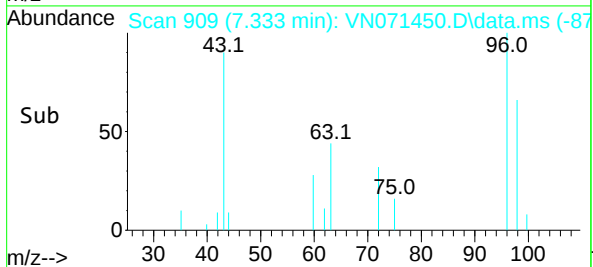
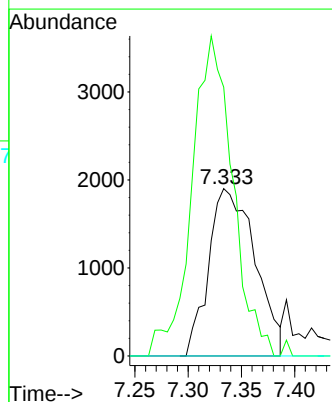
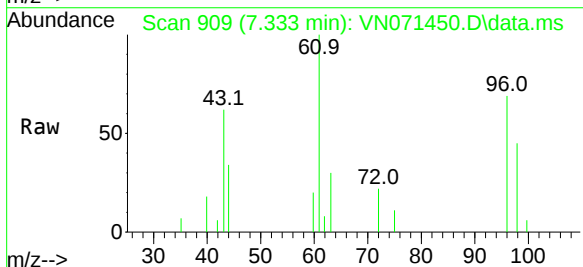
Tgt Ion: 43 Resp: 5792

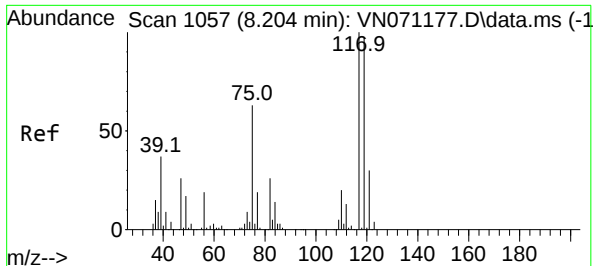
Ion Ratio Lower Upper

43 100

61 167.1 11.5 17.3#

70 0.0 7.9 11.9#

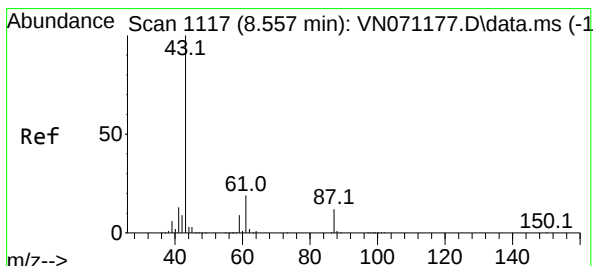
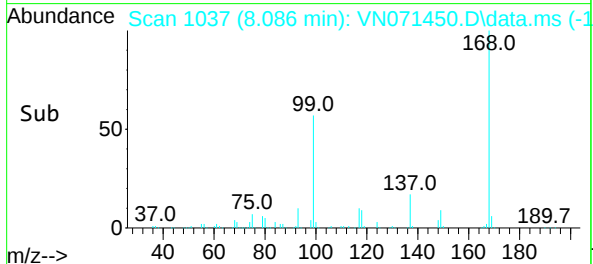
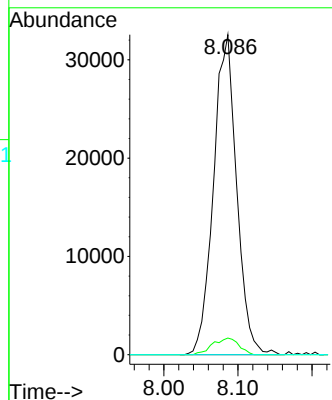
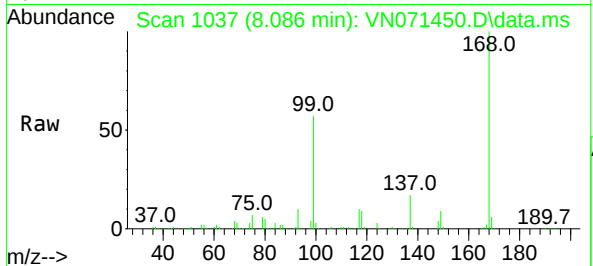




#38
Carbon Tetrachloride
Concen: 5.895 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

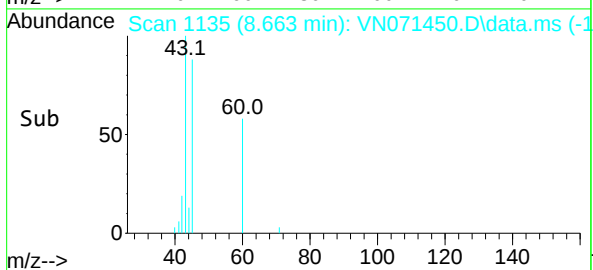
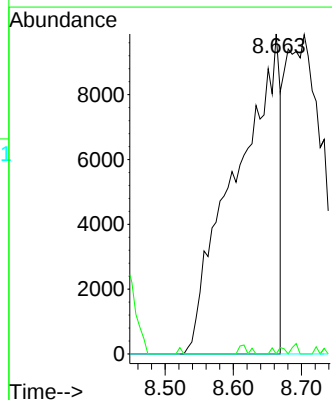
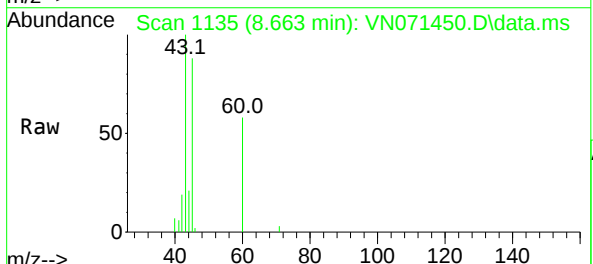
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

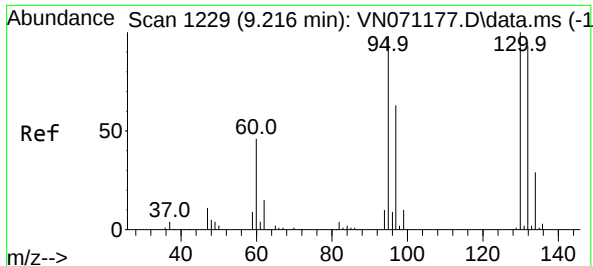
Tgt Ion:117 Resp: 70744
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.731 ug/l
RT: 8.663 min Scan# 1135
Delta R.T. 0.106 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 43 Resp: 44203
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

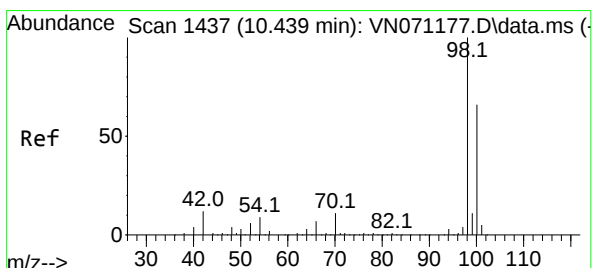
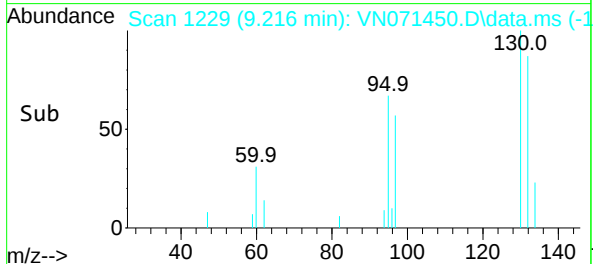
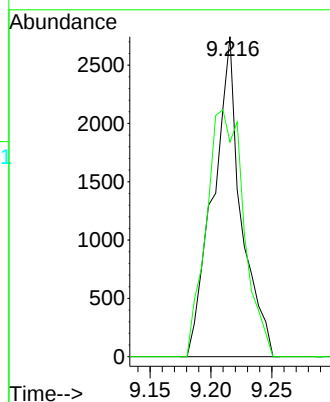
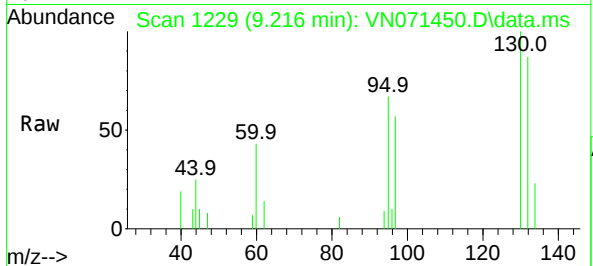




#44
Trichloroethene
Concen: 0.497 ug/l
RT: 9.216 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

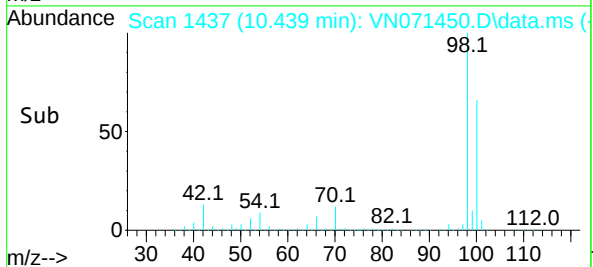
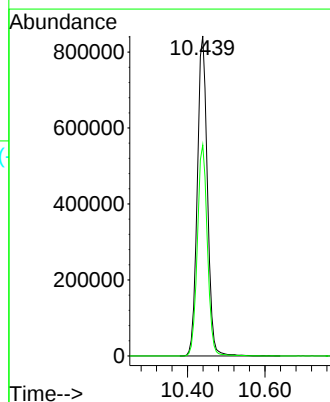
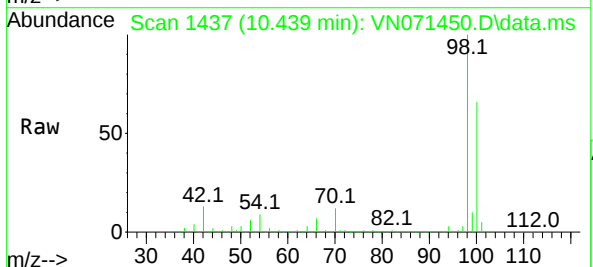
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

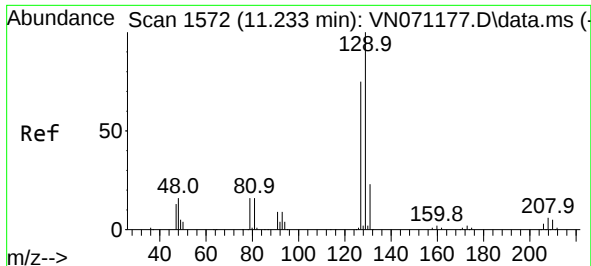
Tgt Ion:130 Resp: 4388
Ion Ratio Lower Upper
130 100
95 67.1 0.0 191.2



#50
Toluene-d8
Concen: 48.670 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 98 Resp: 1517460
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

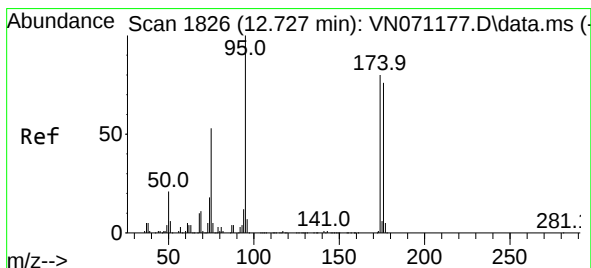
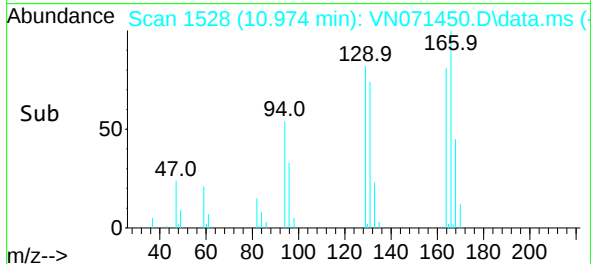
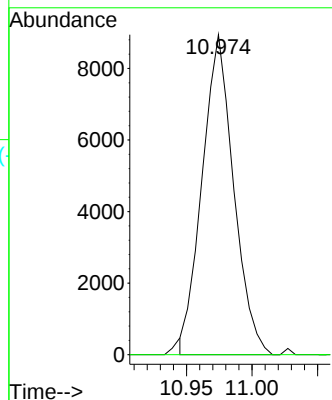
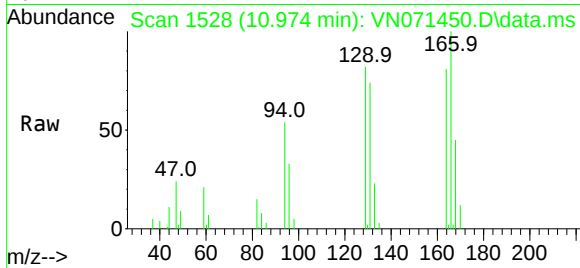




#60
Dibromochloromethane
Concen: 1.629 ug/l
RT: 10.974 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

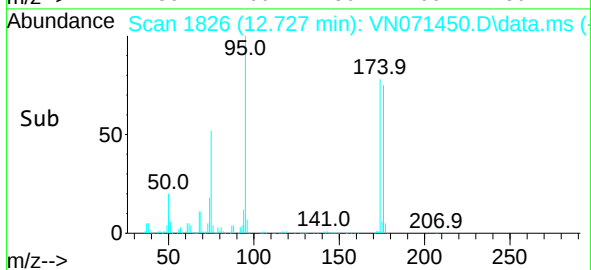
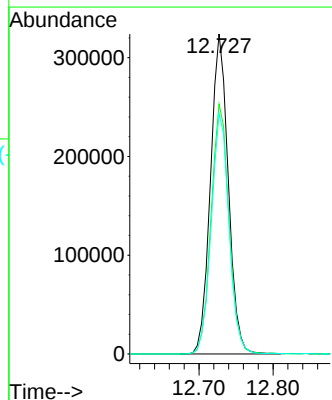
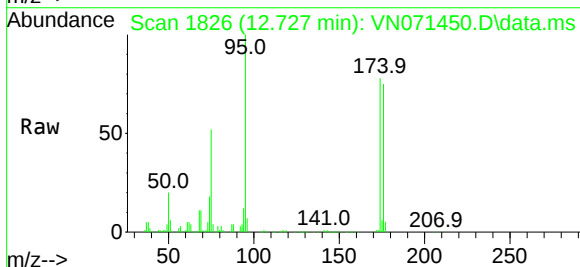
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

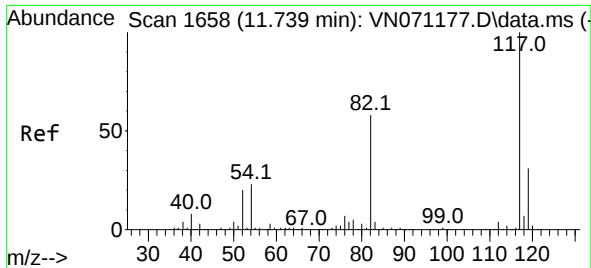
Tgt Ion:129 Resp: 14929
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 51.143 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 95 Resp: 539958
Ion Ratio Lower Upper
95 100
174 78.6 0.0 187.2
176 75.2 0.0 181.4

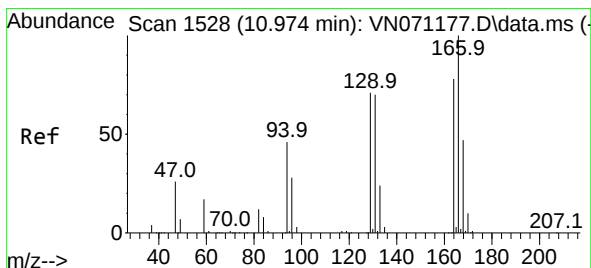
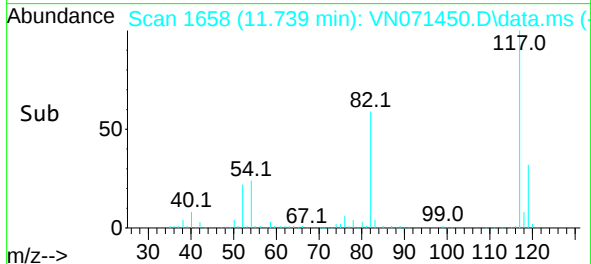
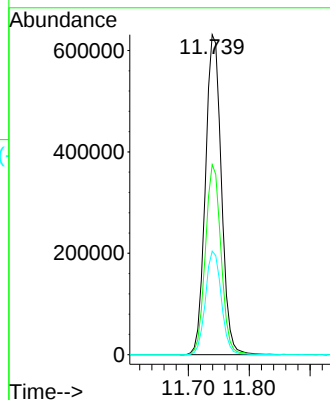
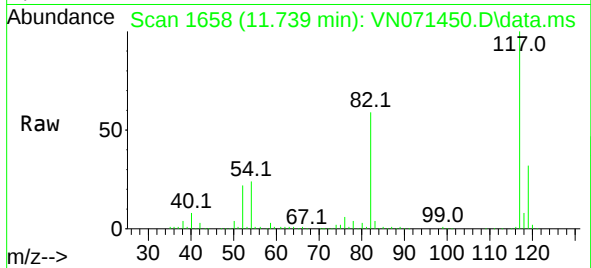




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

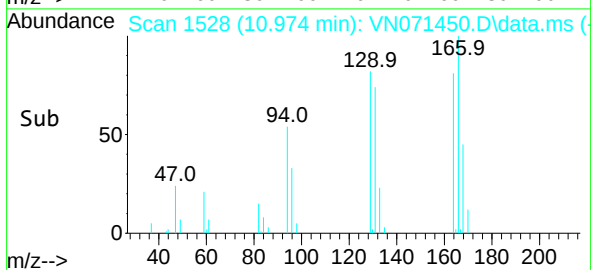
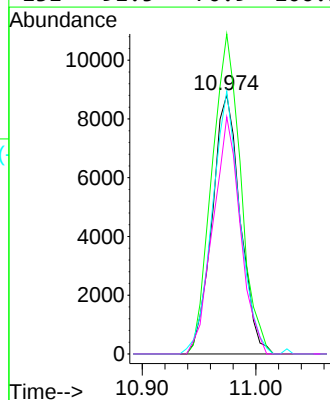
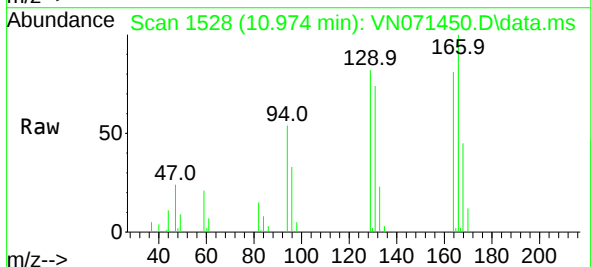
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

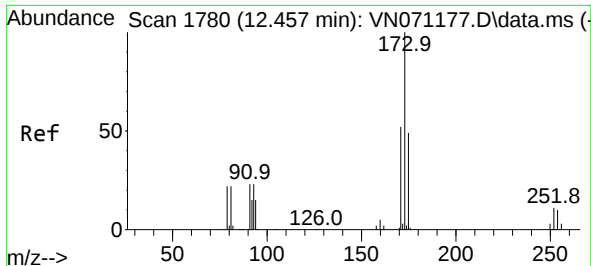
Tgt Ion:117 Resp: 1146706
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 1.895 ug/l
RT: 10.974 min Scan# 1528
Delta R.T. 0.000 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion:164 Resp: 15157
Ion Ratio Lower Upper
164 100
166 123.5 101.9 152.9
129 101.4 72.0 108.0
131 91.5 70.9 106.3

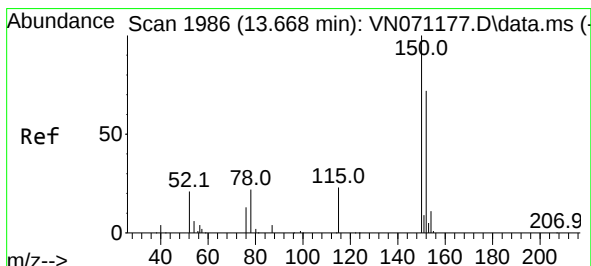
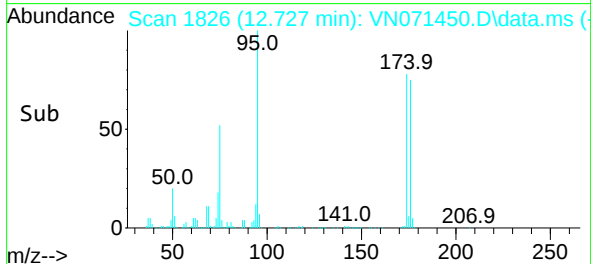
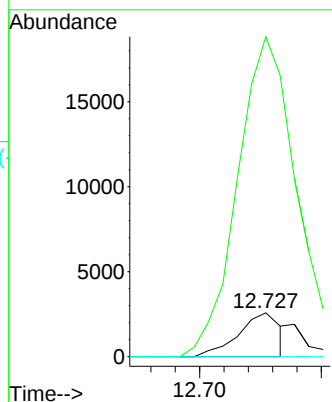
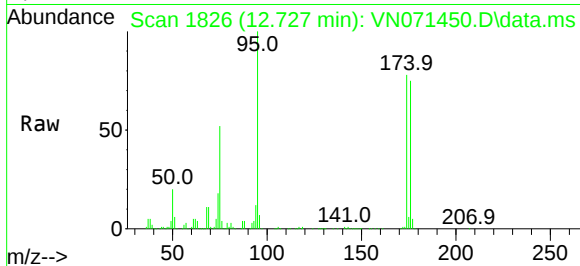




#71
Bromoform
Concen: 0.448 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

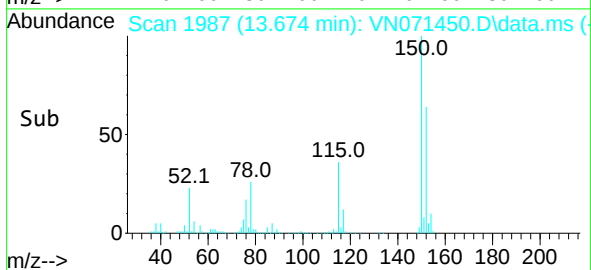
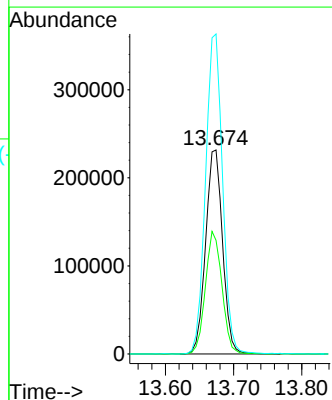
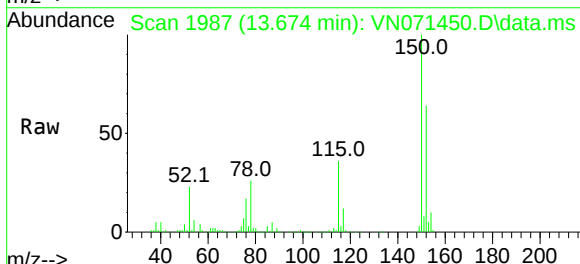
Instrument :
MSVOA_N
ClientSampleId :
TWP-4

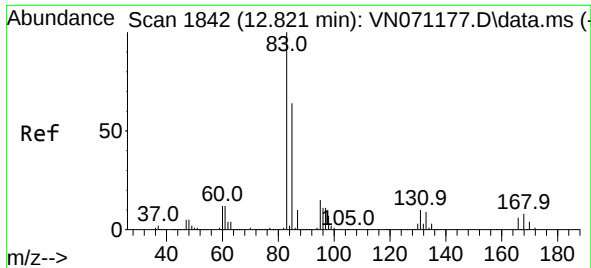
Tgt Ion:173 Resp: 3072
Ion Ratio Lower Upper
173 100
175 789.3 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion:152 Resp: 401384
Ion Ratio Lower Upper
152 100
115 58.7 27.5 82.5
150 157.3 0.0 344.4

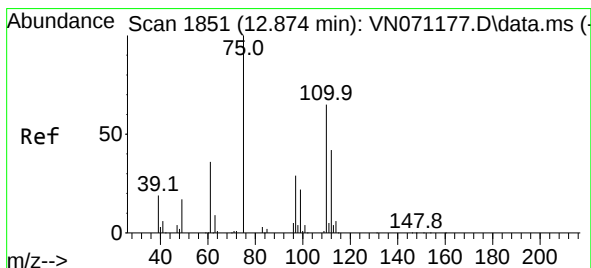
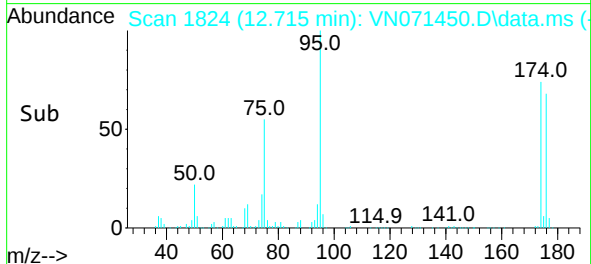
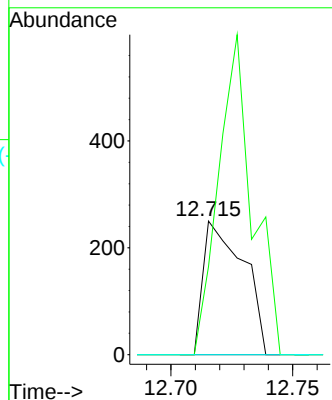
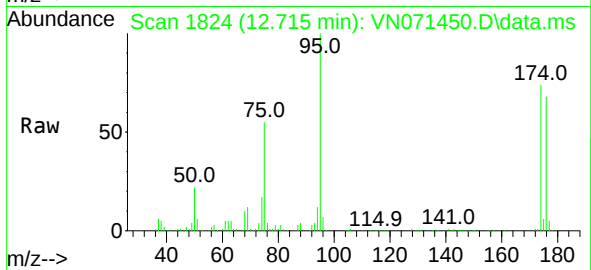




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.715 min Scan# 1824
Delta R.T. -0.106 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

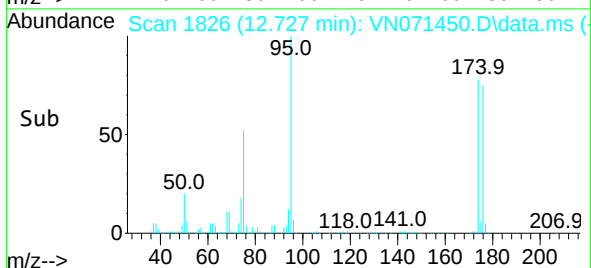
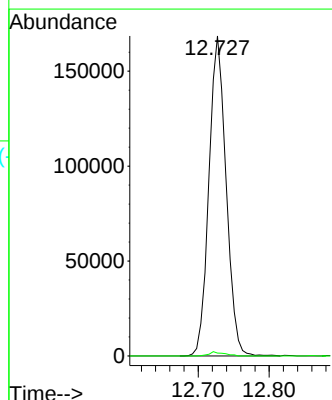
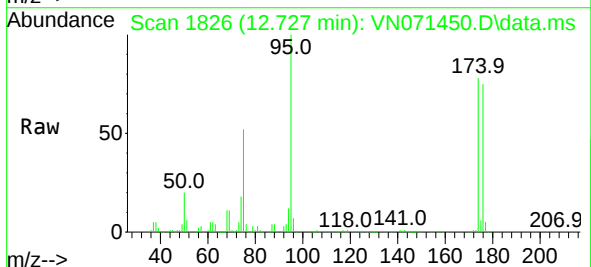
Instrument : MSVOA_N
ClientSampleId : TWP-4

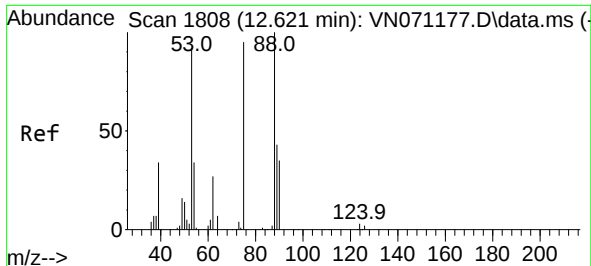
Tgt Ion: 83 Resp: 287
Ion Ratio Lower Upper
83 100
131 203.1 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.883 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Tgt Ion: 75 Resp: 283393
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

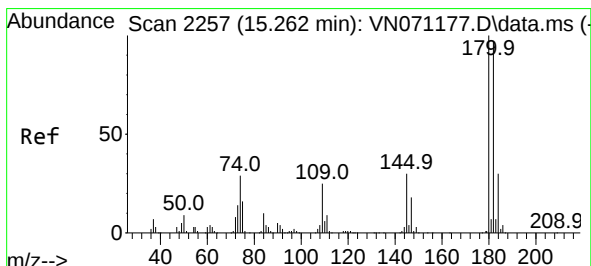
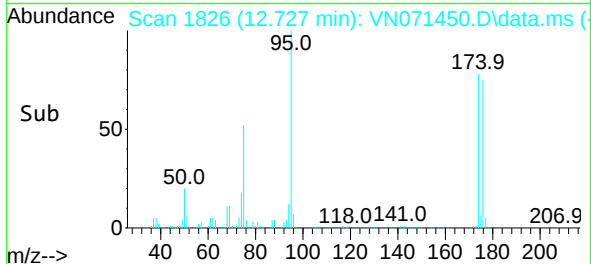
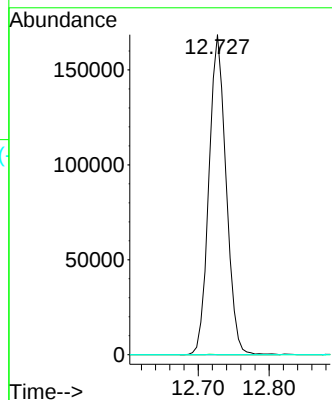
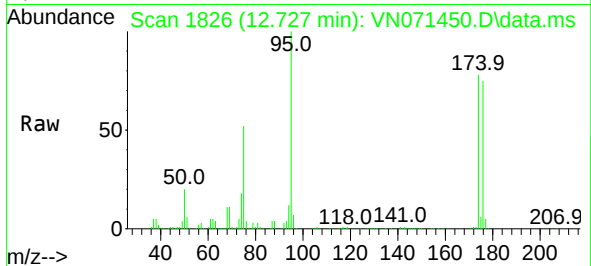




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.323 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071450.D
 Acq: 22 Mar 2022 04:56

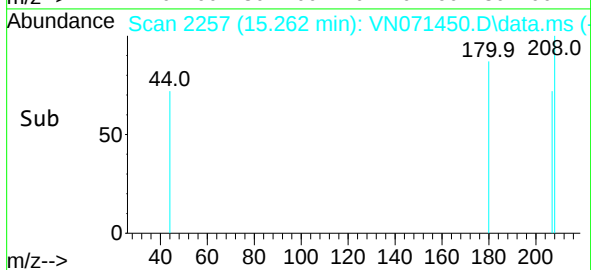
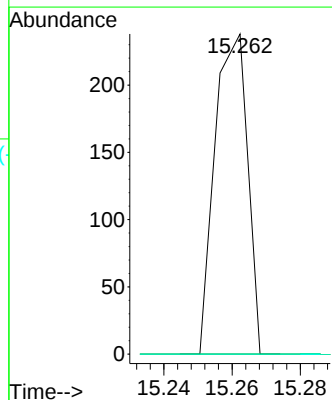
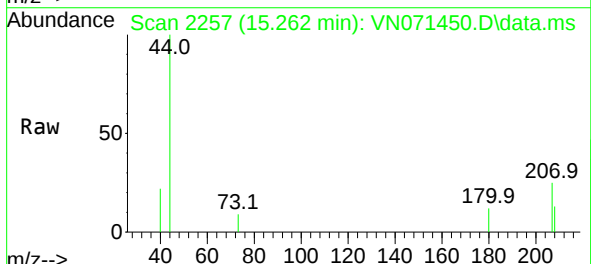
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-4

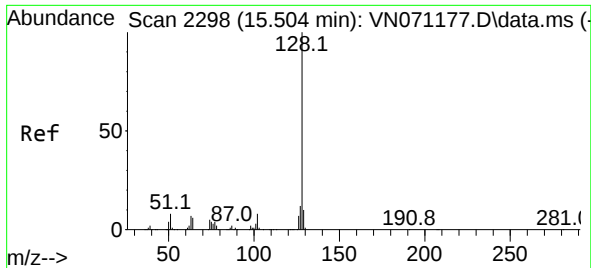
Tgt Ion: 75 Resp: 283393
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.012 ug/l
 RT: 15.262 min Scan# 2257
 Delta R.T. 0.000 min
 Lab File: VN071450.D
 Acq: 22 Mar 2022 04:56

Tgt Ion: 180 Resp: 158
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 5.118 ug/l
RT: 15.503 min Scan# 21
Delta R.T. -0.001 min
Lab File: VN071450.D
Acq: 22 Mar 2022 04:56

Instrument :
MSVOA_N
ClientSampleId :
TWP-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.5	15.7#
129	0.0	8.7	13.1#

