

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050622\
 Data File : VN072360.D
 Acq On : 06 May 2022 17:24
 Operator : JC\MD
 Sample : N2712-13 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GROUND-WATER

Quant Time: May 09 03:14:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

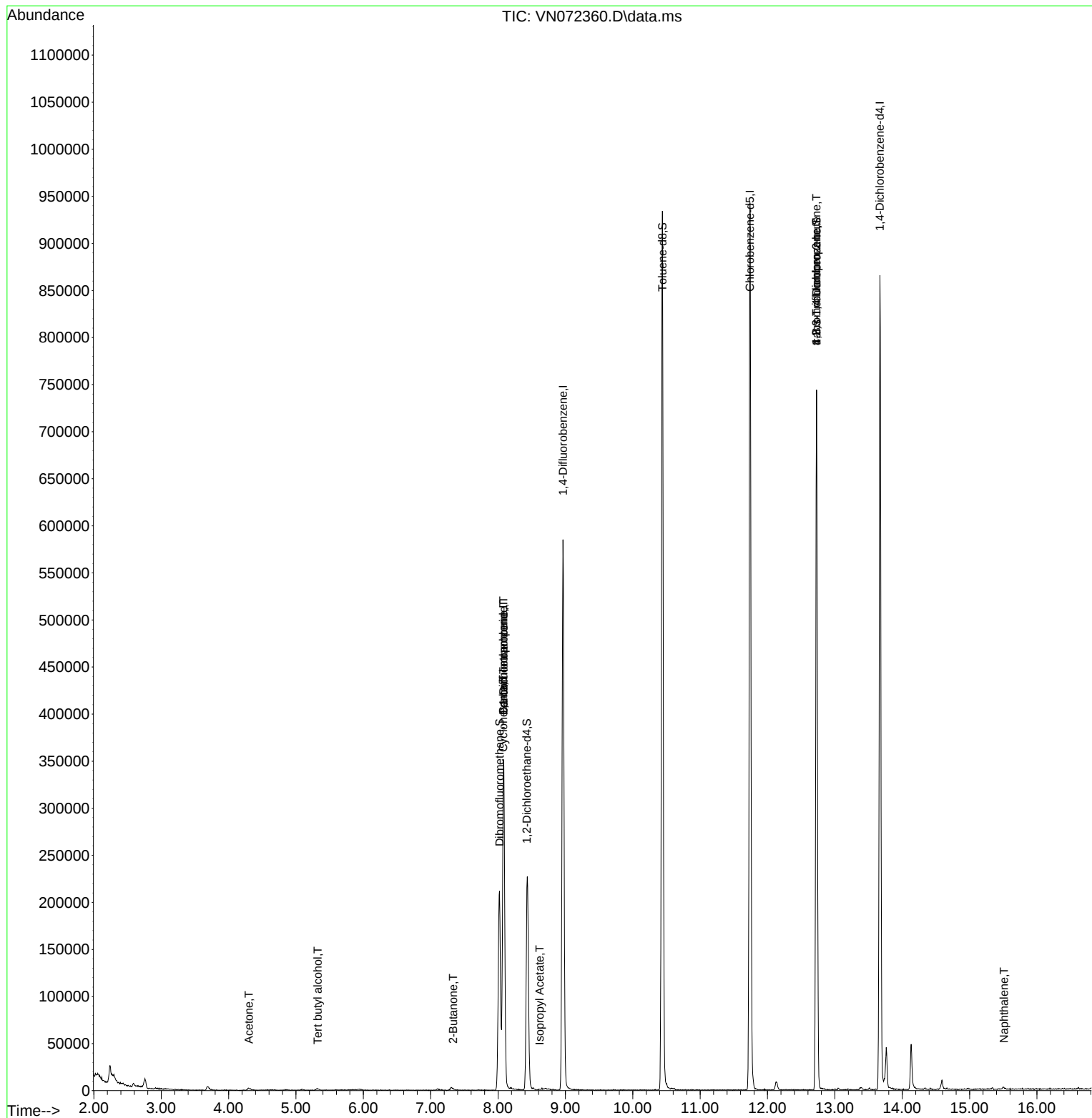
Internal Standards						
1) Pentafluorobenzene	8.081	168	258046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	495335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	544669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	228064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	197585	49.875	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.760%	
35) Dibromofluoromethane	8.022	113	154930	48.867	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	97.740%	
50) Toluene-d8	10.439	98	630732	50.629	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	101.260%	
62) 4-Bromofluorobenzene	12.727	95	257001	62.153	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	124.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1290	Below Cal	#	43
5) Bromomethane	2.863	94	58	Below Cal		86
6) Chloroethane	3.040	64	189	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	1357	2.084	ug/l #	72
16) Acetone	4.299	43	3880	2.272	ug/l #	74
25) 2-Butanone	7.334	43	1198	0.440	ug/l #	45
31) Cyclohexane	8.075	56	5991	1.132	ug/l #	24
36) 1,1-Dichloropropene	8.081	75	22057	4.780	ug/l #	49
38) Carbon Tetrachloride	8.081	117	27311	5.526	ug/l #	17
43) Isopropyl Acetate	8.616	43	562	0.859	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.727	83	96	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	135521	26.423	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	135521	68.708	ug/l #	10
95) Naphthalene	15.510	128	3351	4.559	ug/l #	81

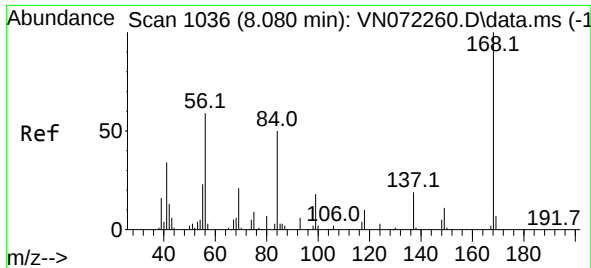
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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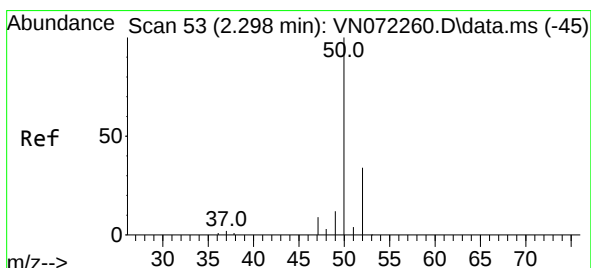
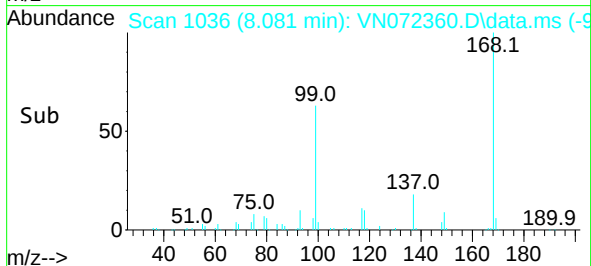
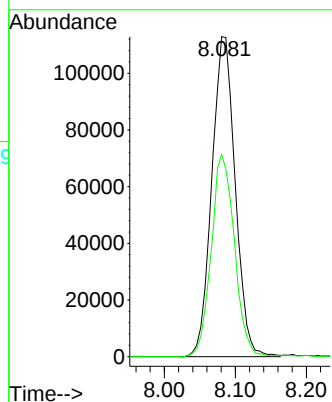
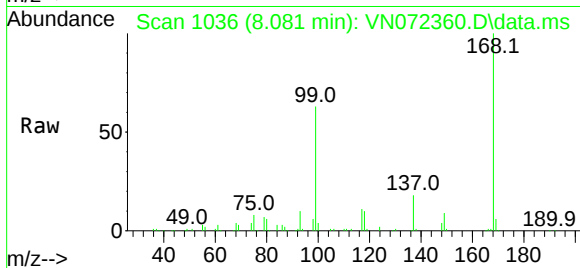




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

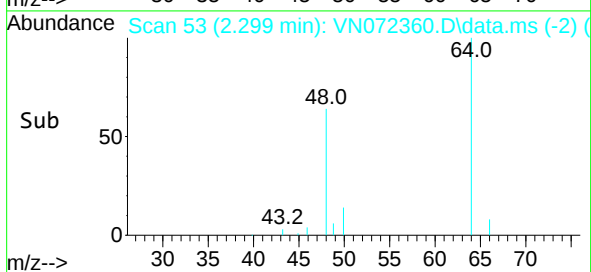
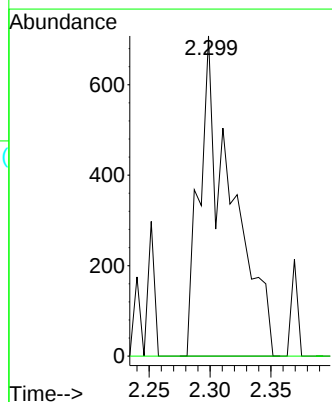
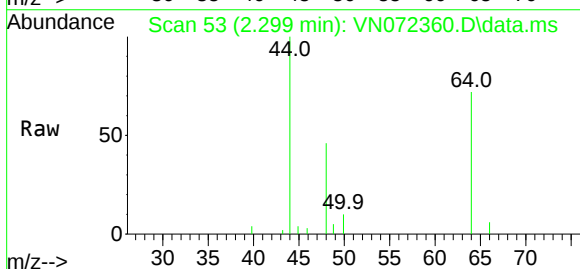
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

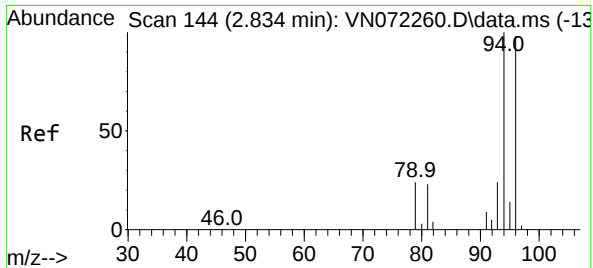
Tgt Ion:168 Resp: 258046
Ion Ratio Lower Upper
168 100
99 63.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion: 50 Resp: 1290
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.863 min Scan# 144

Delta R.T. 0.029 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

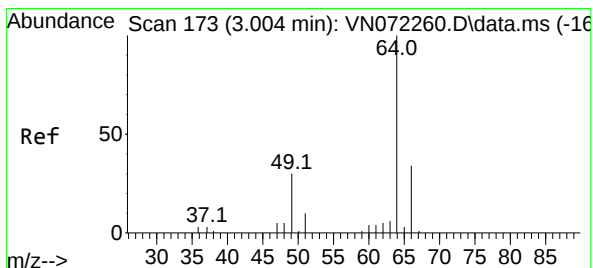
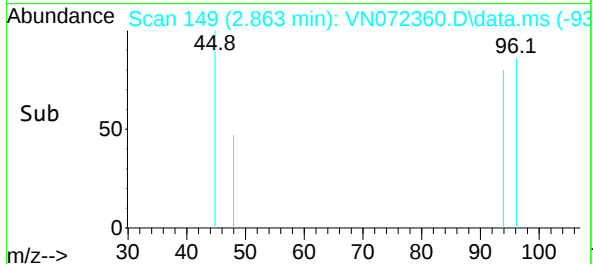
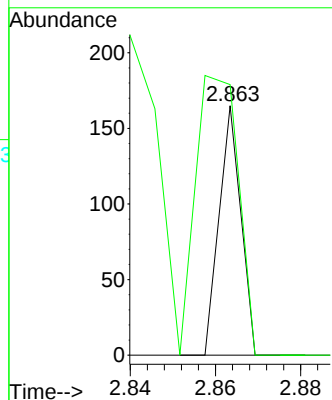
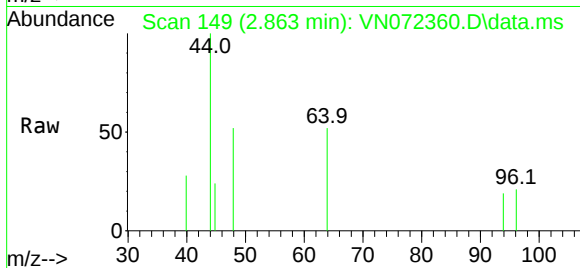
GROUND-WATER

Tgt Ion: 94 Resp: 58

Ion Ratio Lower Upper

94 100

96 108.5 76.0 114.0



#6

Chloroethane

Concen: Below Cal

RT: 3.040 min Scan# 179

Delta R.T. 0.035 min

Lab File: VN072360.D

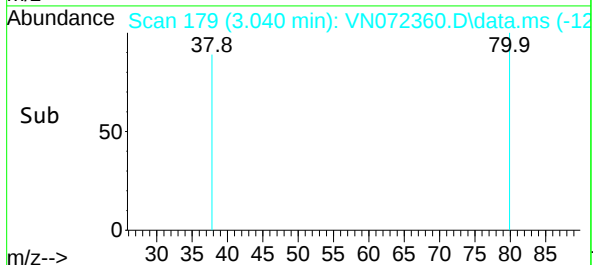
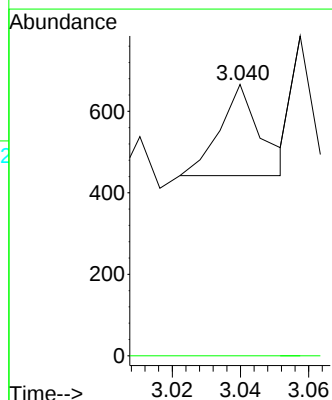
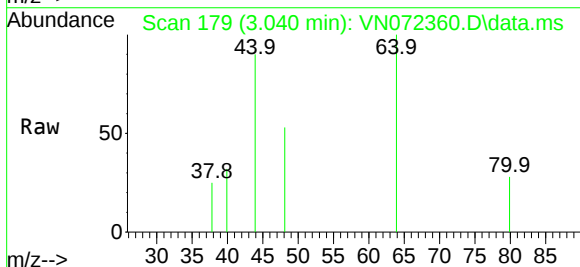
Acq: 06 May 2022 17:24

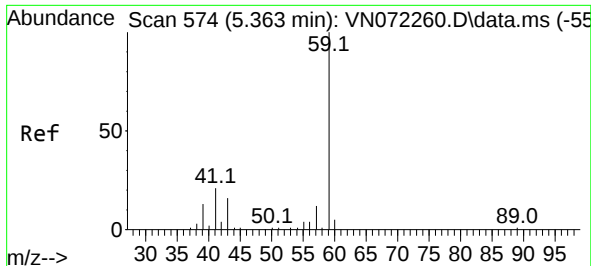
Tgt Ion: 64 Resp: 189

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

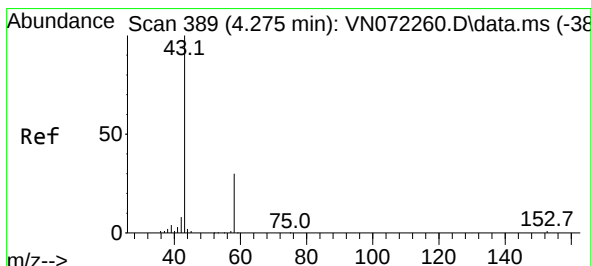
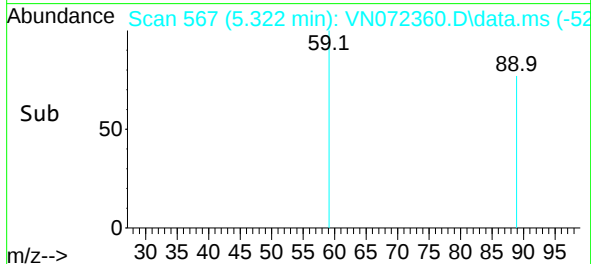
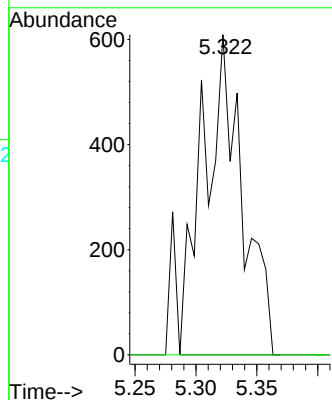
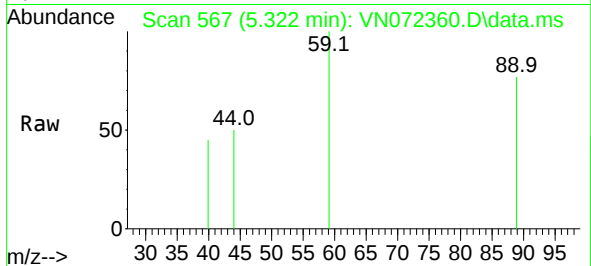




#11
Tert butyl alcohol
Concen: 2.084 ug/l
RT: 5.322 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

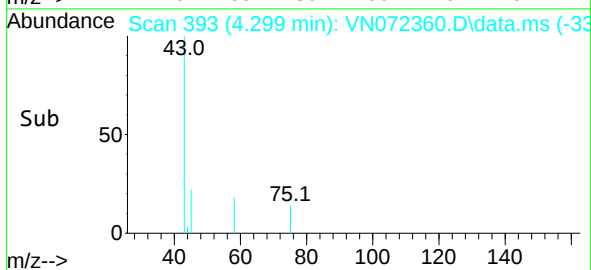
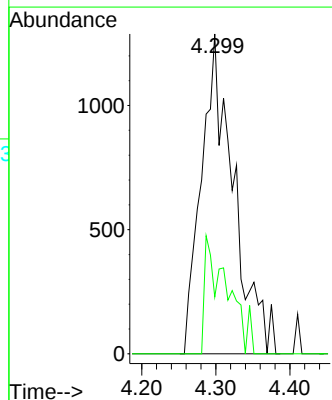
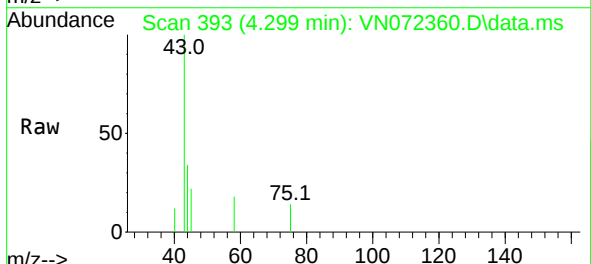
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

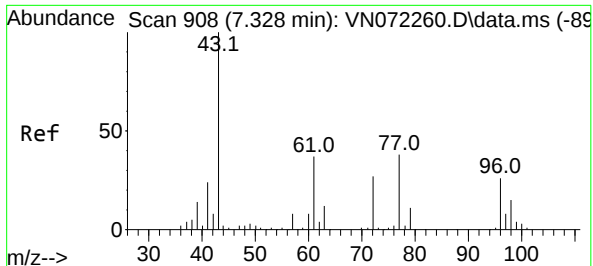
Tgt Ion: 59 Resp: 1357
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.272 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion: 43 Resp: 3880
Ion Ratio Lower Upper
43 100
58 17.8 26.0 39.0#





#25

2-Butanone

Concen: 0.440 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

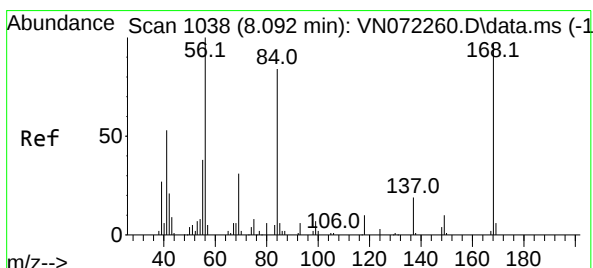
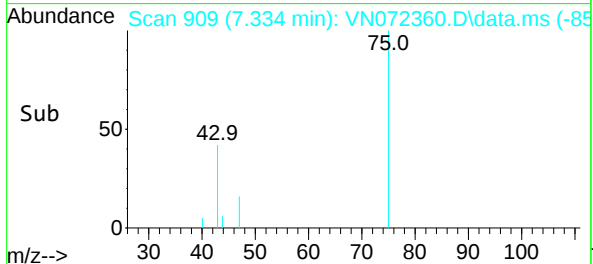
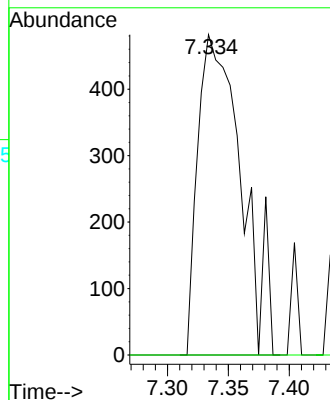
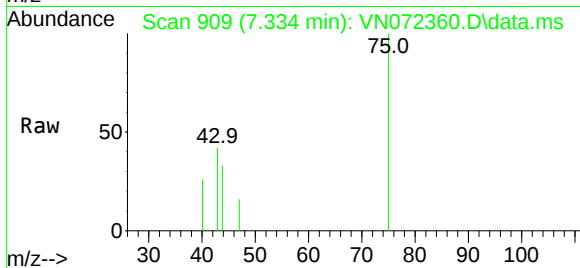
GROUND-WATER

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

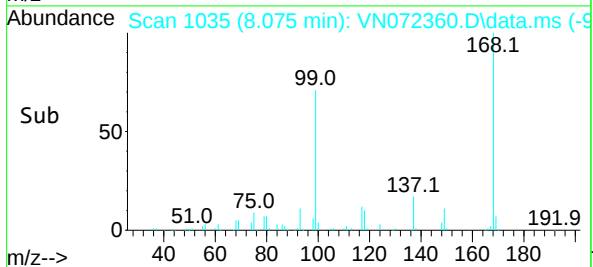
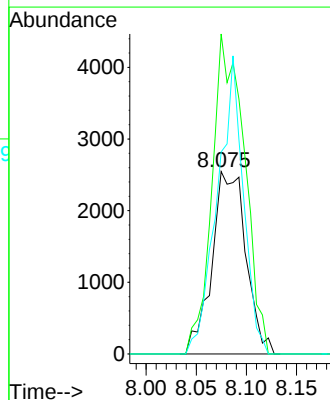
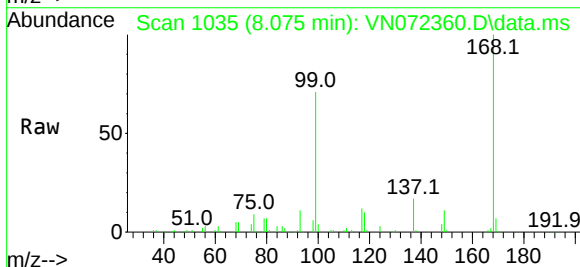
Tgt Ion: 56 Resp: 5991

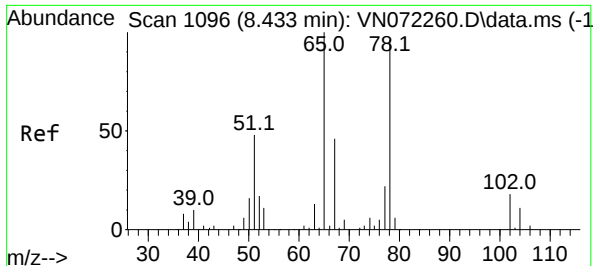
Ion Ratio Lower Upper

56 100

69 175.4 27.8 41.8#

84 110.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.875 ug/l

RT: 8.428 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

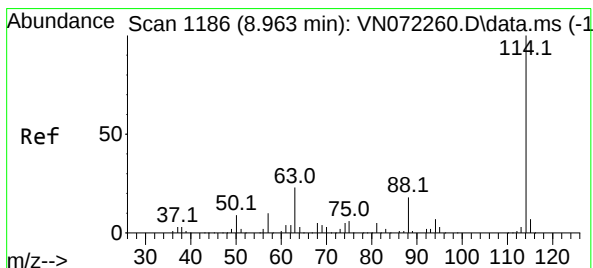
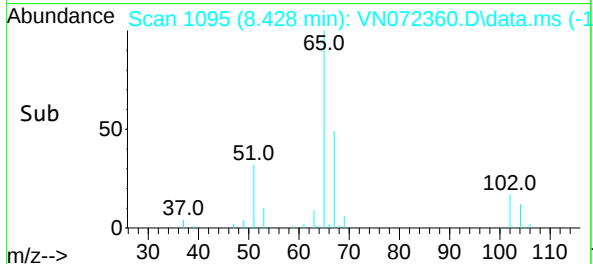
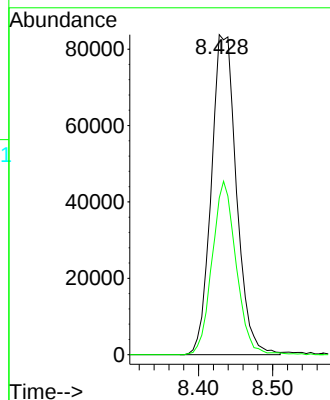
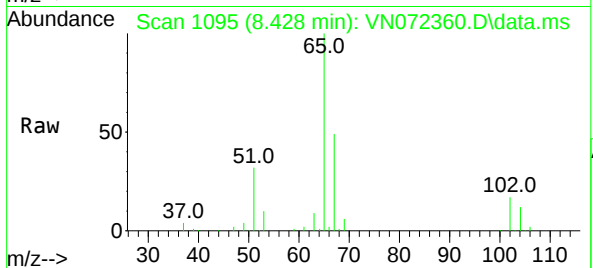
GROUND-WATER

Tgt Ion: 65 Resp: 197585

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

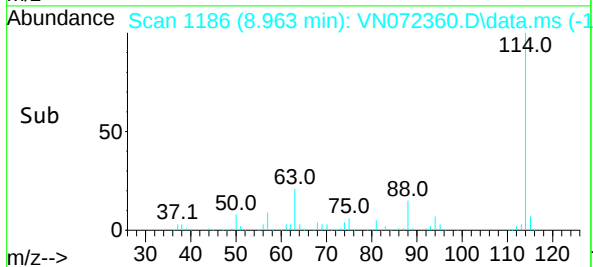
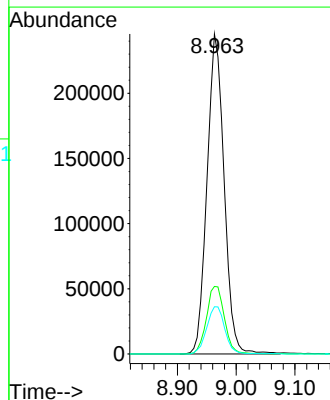
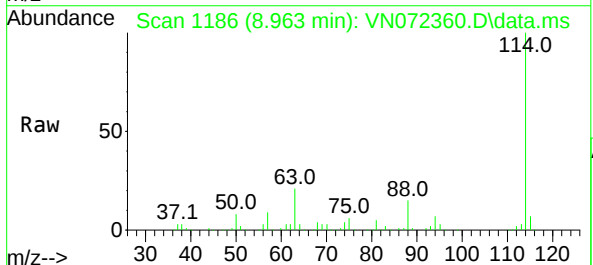
Tgt Ion: 114 Resp: 495335

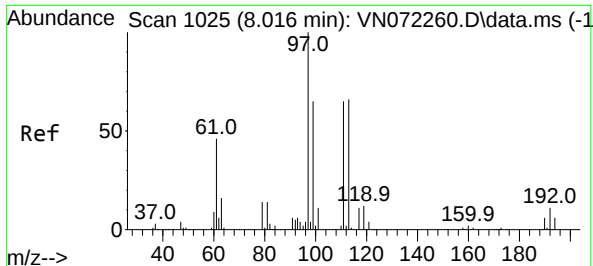
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.867 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VN072360.D

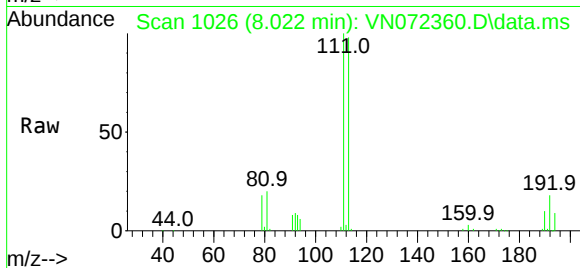
Acq: 06 May 2022 17:24

Instrument :

MSVOA_N

ClientSampleId :

GROUND-WATER



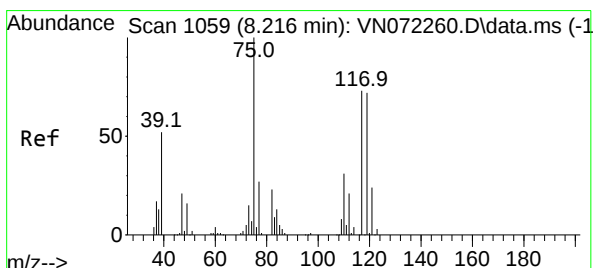
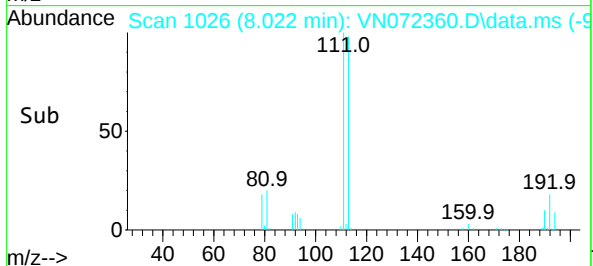
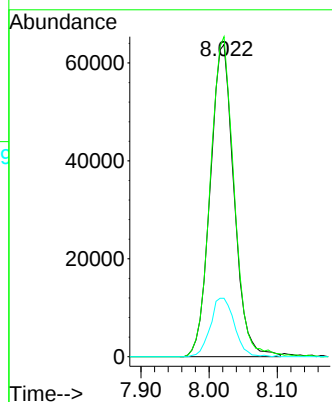
Tgt Ion:113 Resp: 154930

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072360.D

Acq: 06 May 2022 17:24

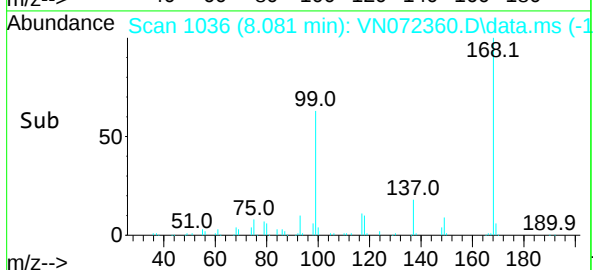
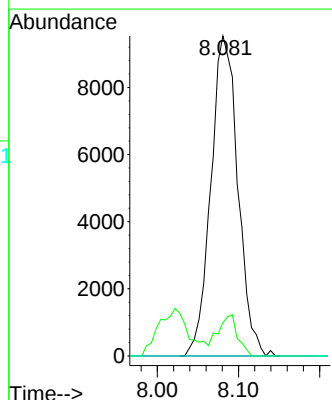
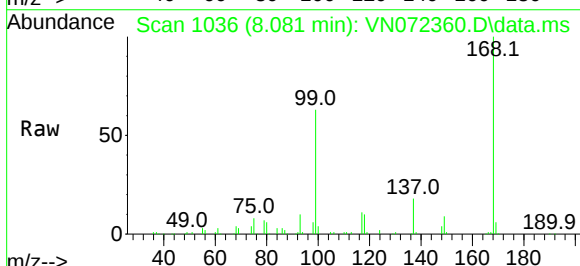
Tgt Ion: 75 Resp: 22057

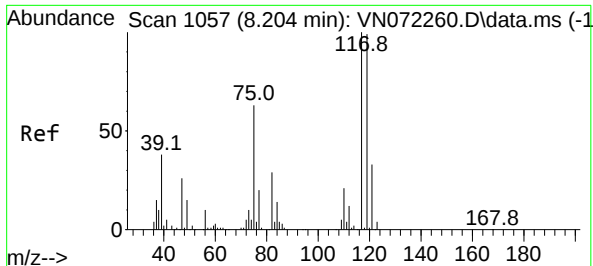
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#

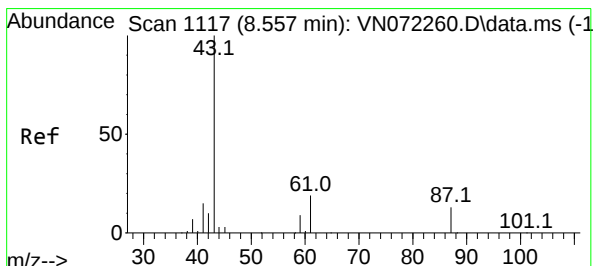
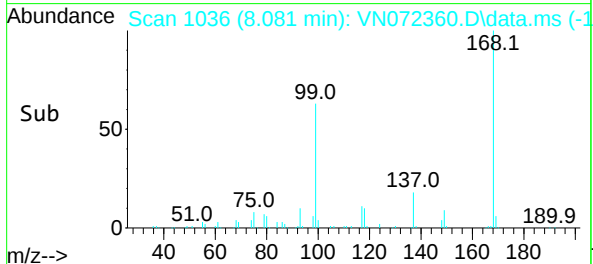
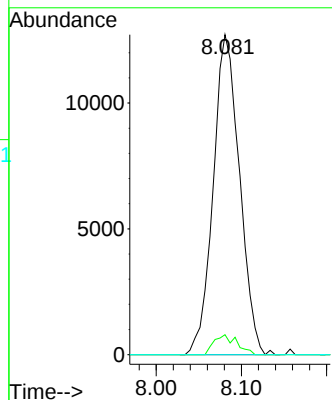
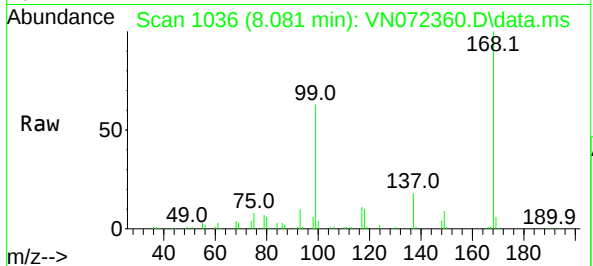




#38
Carbon Tetrachloride
Concen: 5.526 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

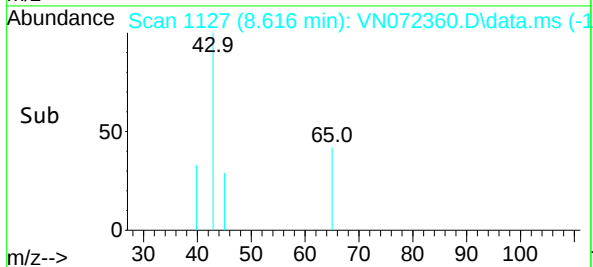
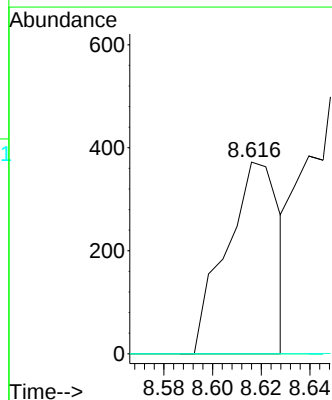
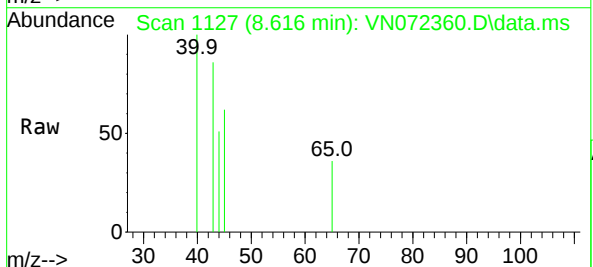
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

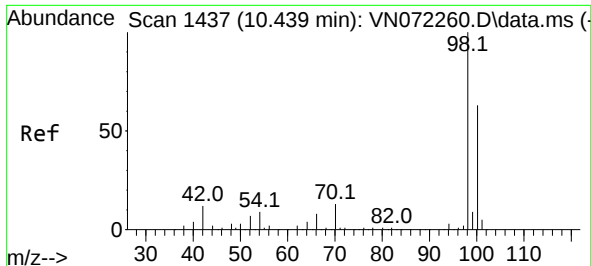
Tgt Ion:117 Resp: 27311
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.859 ug/l
RT: 8.616 min Scan# 1127
Delta R.T. 0.059 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

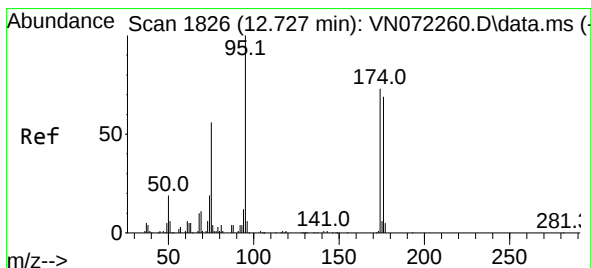
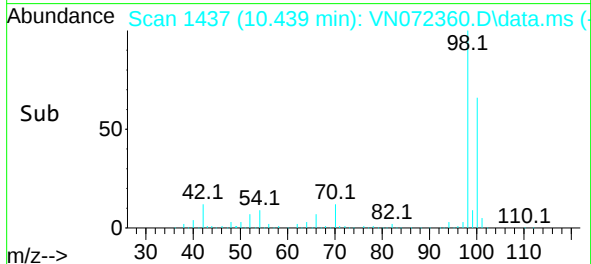
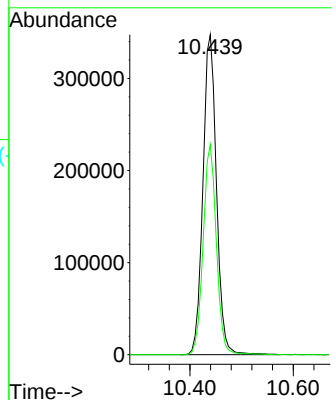
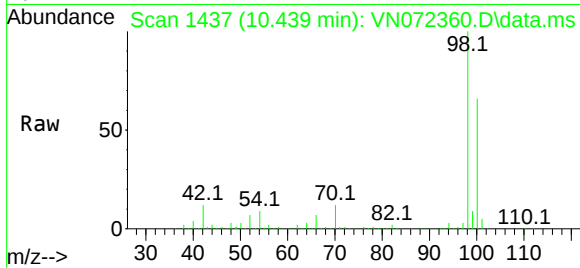




#50
Toluene-d8
Concen: 50.629 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

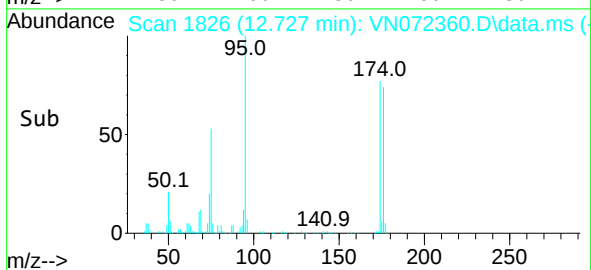
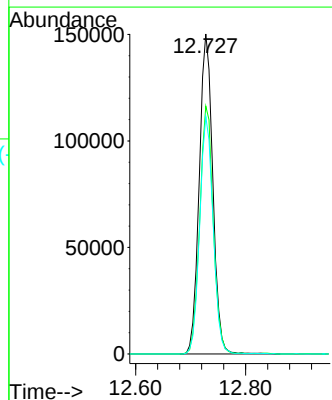
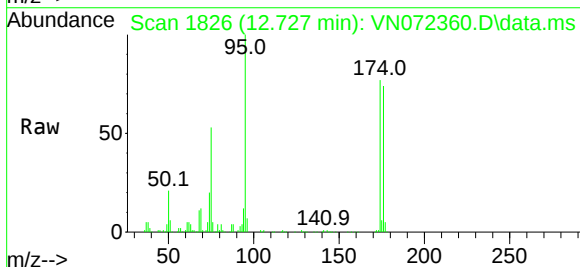
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

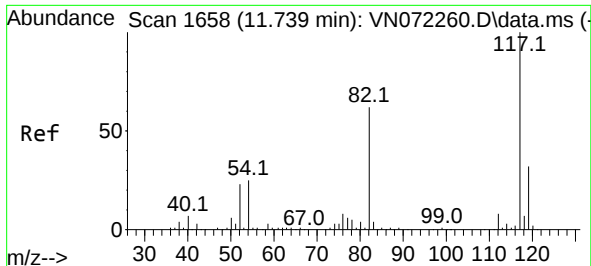
Tgt Ion: 98 Resp: 630732
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 62.153 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion: 95 Resp: 257001
Ion Ratio Lower Upper
95 100
174 77.5 0.0 167.6
176 73.5 0.0 163.4

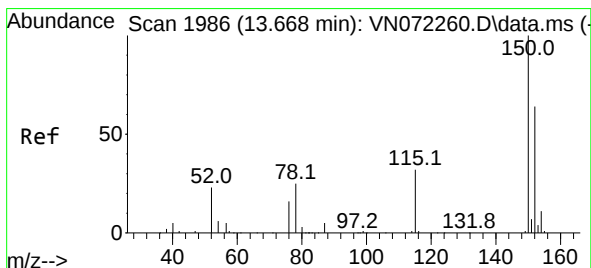
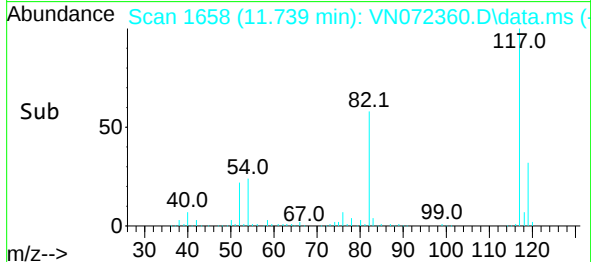
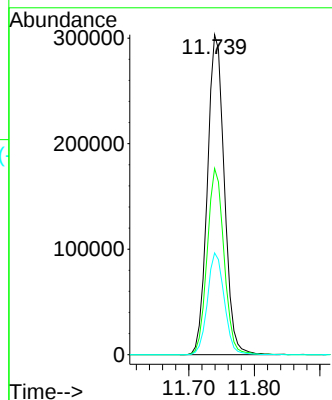
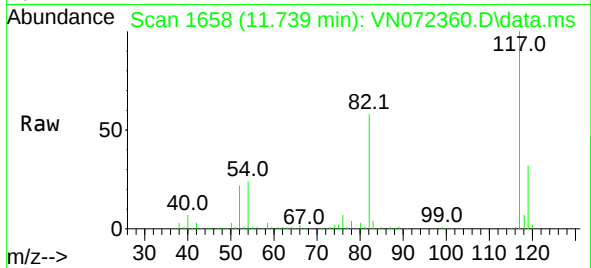




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

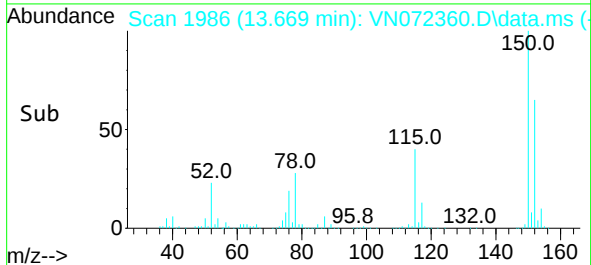
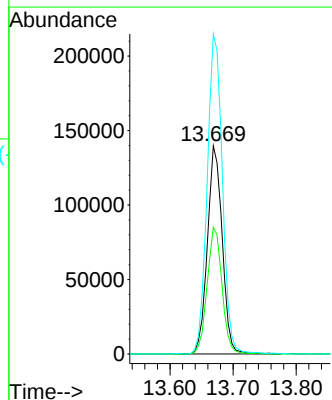
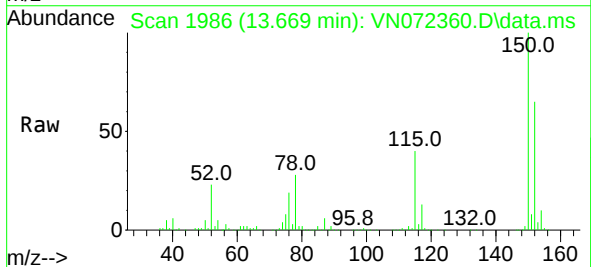
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

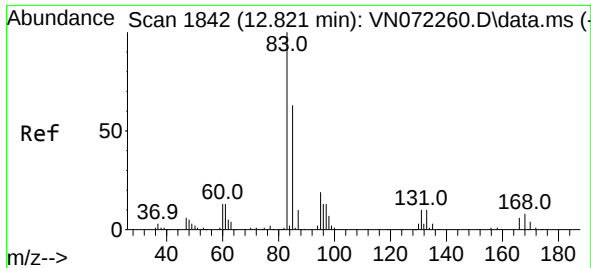
Tgt Ion:117 Resp: 544669
Ion Ratio Lower Upper
117 100
82 58.2 44.2 66.2
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion:152 Resp: 228064
Ion Ratio Lower Upper
152 100
115 61.0 28.9 86.7
150 157.2 0.0 356.2

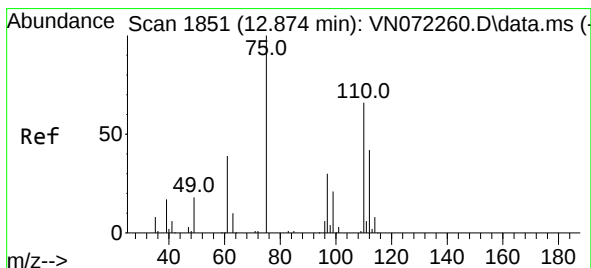
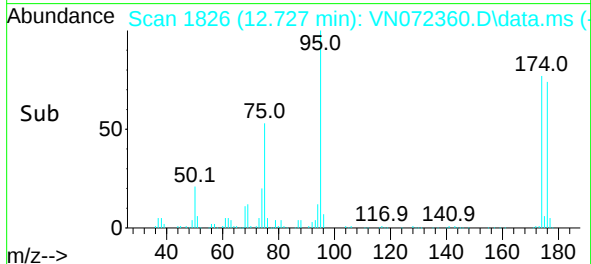
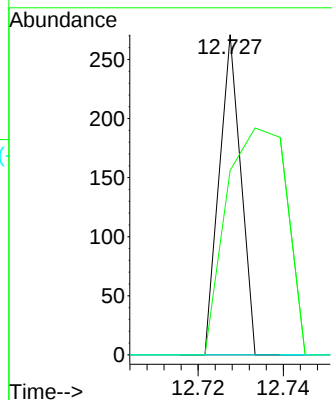
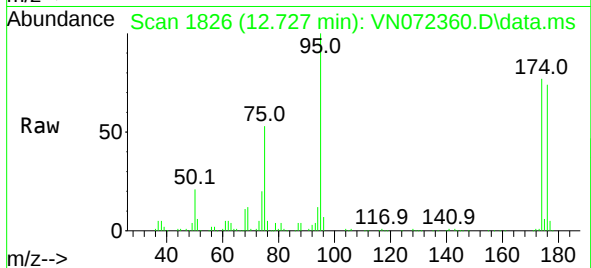




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.095 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

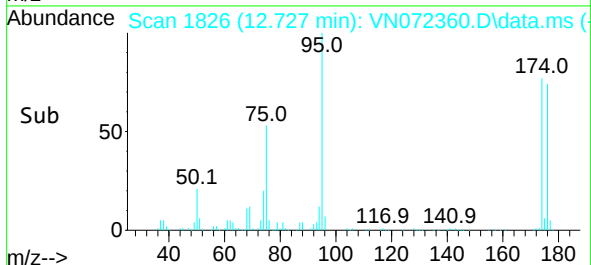
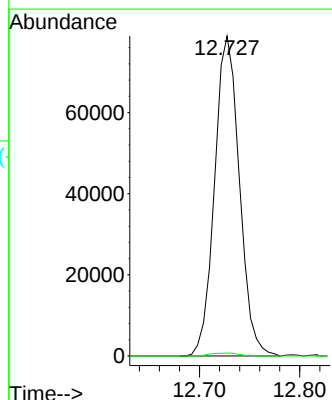
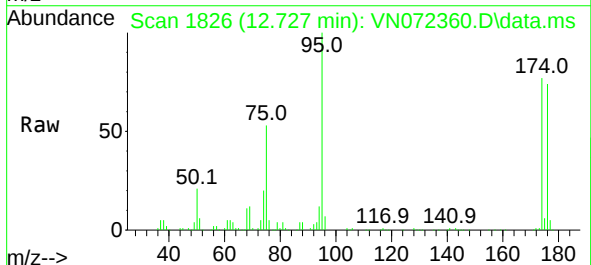
Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

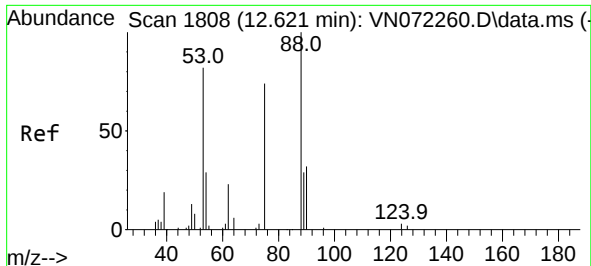
Tgt Ion: 83 Resp: 96
Ion Ratio Lower Upper
83 100
131 195.8 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 26.423 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion: 75 Resp: 135521
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

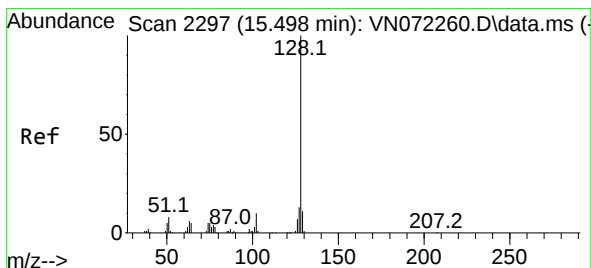
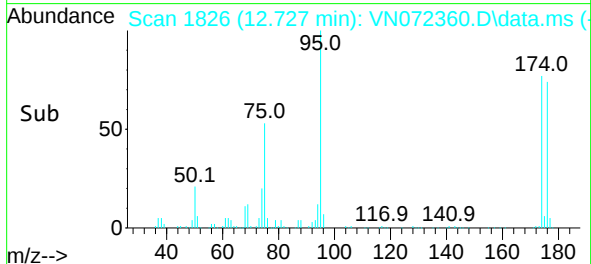
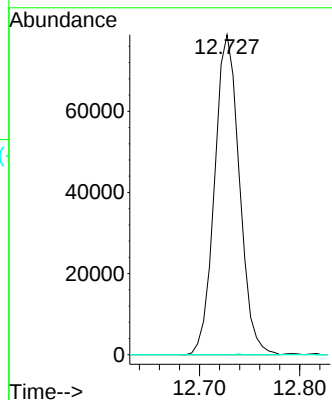
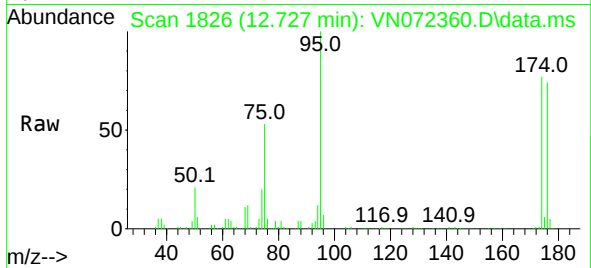




#81
trans-1,4-Dichloro-2-butene
Concen: 68.708 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Instrument :
MSVOA_N
ClientSampleId :
GROUND-WATER

Tgt Ion: 75 Resp: 135521
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 4.559 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN072360.D
Acq: 06 May 2022 17:24

Tgt Ion:128 Resp: 3351
Ion Ratio Lower Upper
128 100
127 2.6 10.3 15.5#
129 6.6 8.6 13.0#

