

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071473.D
 Acq On : 22 Mar 2022 17:45
 Operator : JC\MD
 Sample : N2064-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20220280-SITE-WATER

Quant Time: Mar 23 07:09:59 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)

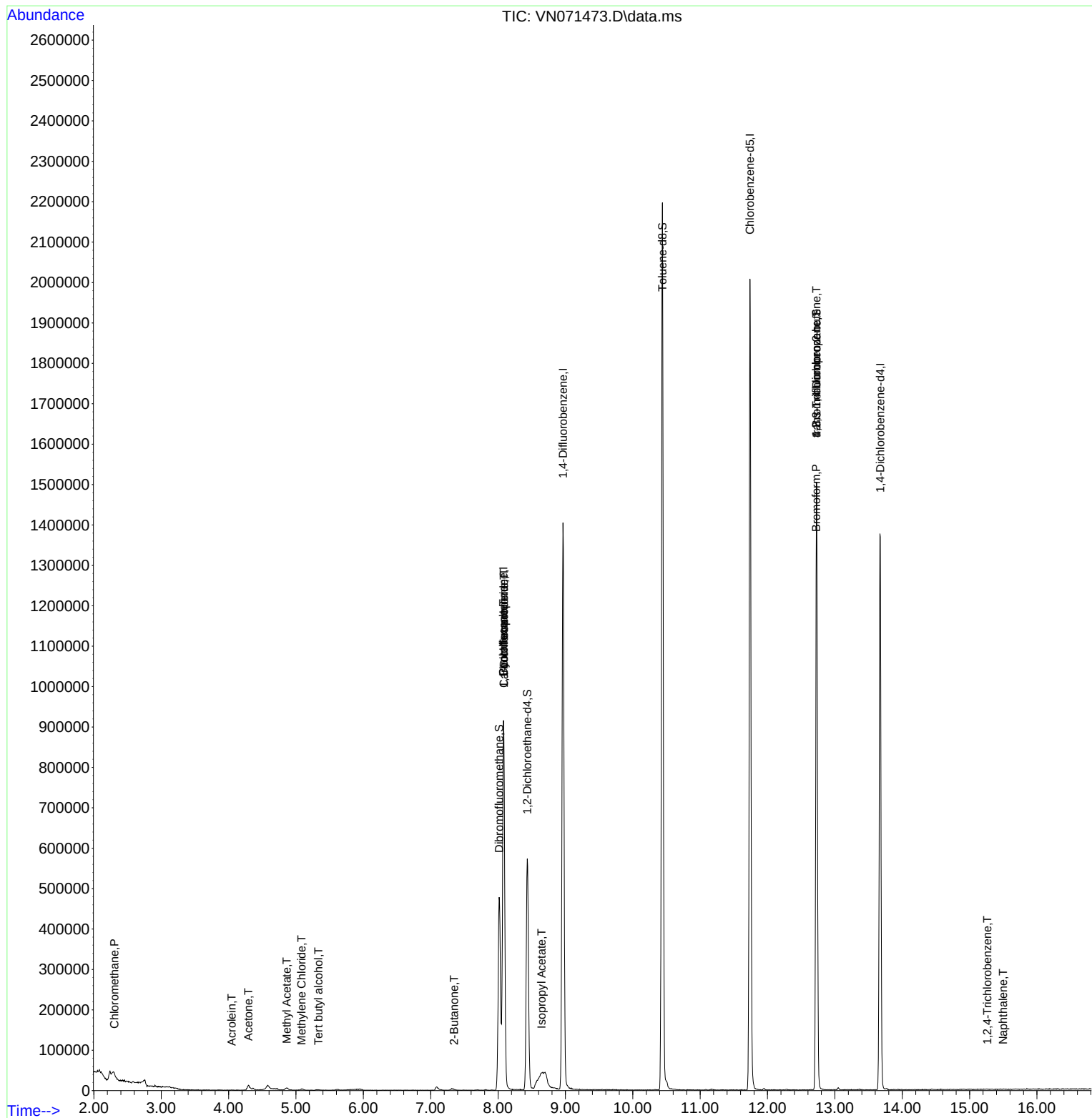
Internal Standards						
1) Pentafluorobenzene	8.080	168	702582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1214789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1138523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	387824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	477670	49.607	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.220%
35) Dibromofluoromethane	8.016	113	357949	46.695	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.380%
50) Toluene-d8	10.439	98	1485744	48.138	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.727	95	521995	49.944	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2805	0.237	ug/l	96
5) Bromomethane	2.863	94	584	Below Cal	#	18
11) Tert butyl alcohol	5.334	59	585	0.309	ug/l #	71
13) Acrolein	4.045	56	456	0.228	ug/l #	37
16) Acetone	4.292	43	19841	4.235	ug/l	95
18) Methyl Acetate	4.863	43	12511	1.455	ug/l #	75
20) Methylene Chloride	5.081	84	2105	0.626	ug/l #	75
25) 2-Butanone	7.345	43	3196	0.423	ug/l	95
31) Cyclohexane	8.080	56	14925	0.971	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	56722	4.618	ug/l #	49
38) Carbon Tetrachloride	8.086	117	67364	5.670	ug/l #	17
43) Isopropyl Acetate	8.645	43	68530	2.711	ug/l #	56
71) Bromoform	12.721	173	2451	0.360	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	254	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	272814	27.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	272814	76.042	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	55	2.997	ug/l #	81
95) Naphthalene	15.498	128	1198	5.128	ug/l #	69

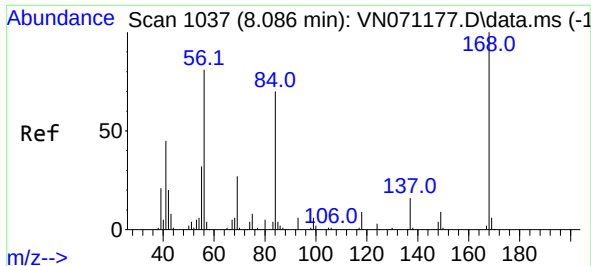
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

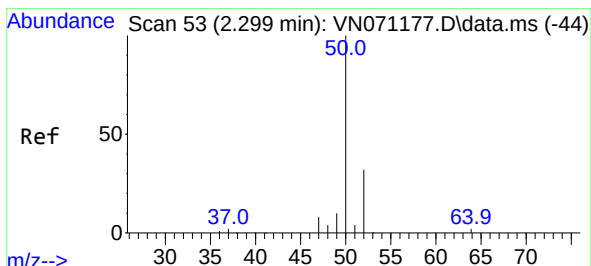
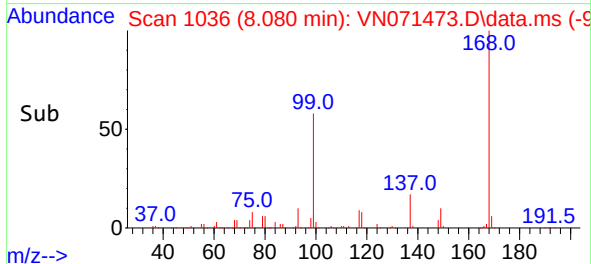
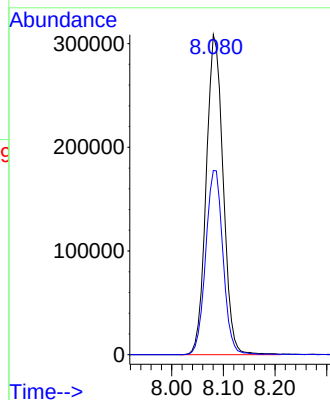
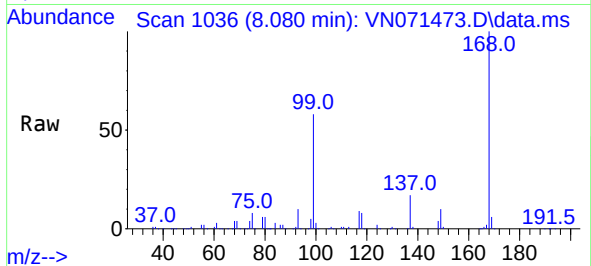




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

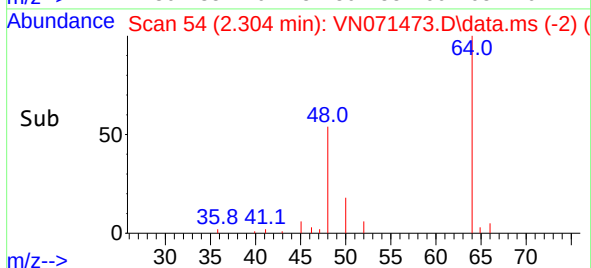
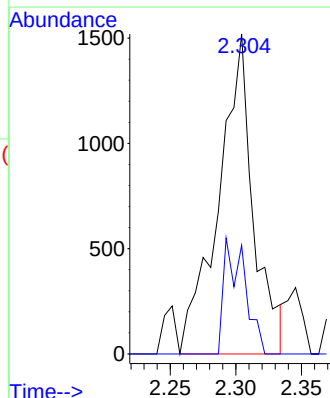
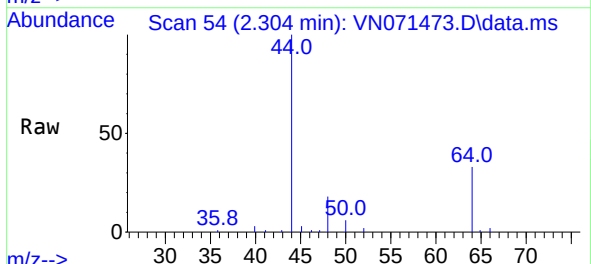
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

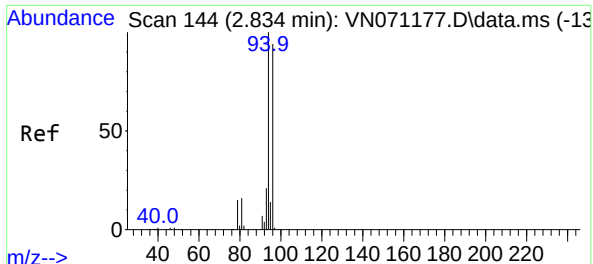
Tgt Ion:168 Resp: 702582
Ion Ratio Lower Upper
168 100
99 57.5 41.3 61.9



#3
Chloromethane
Concen: 0.237 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 50 Resp: 2805
Ion Ratio Lower Upper
50 100
52 33.9 25.4 38.0

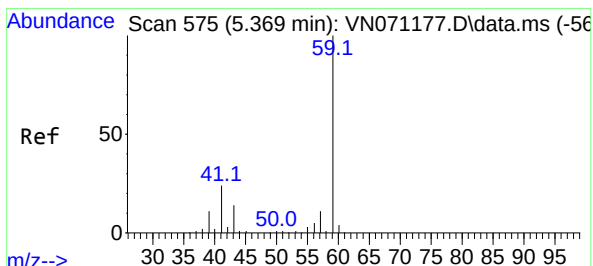
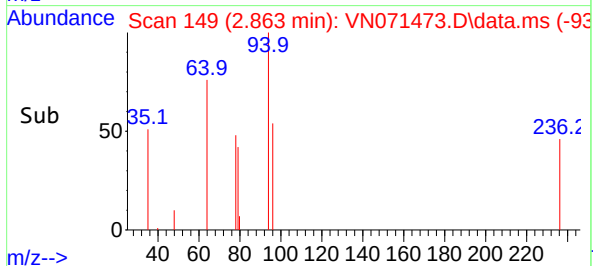
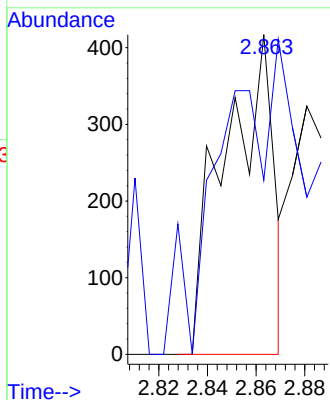
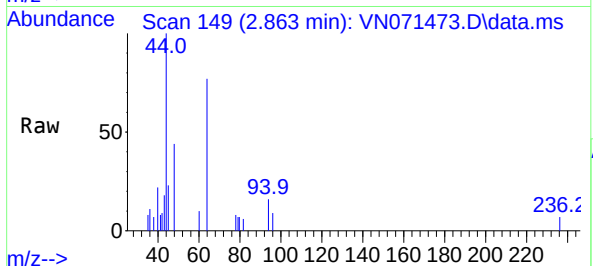




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 14
Delta R.T. 0.029 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

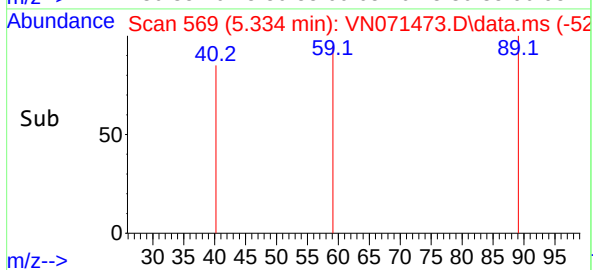
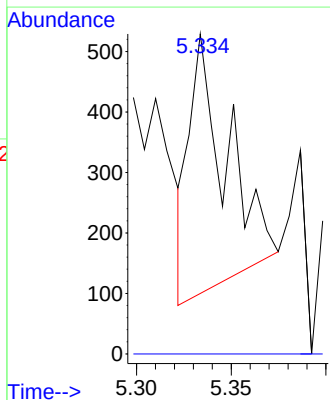
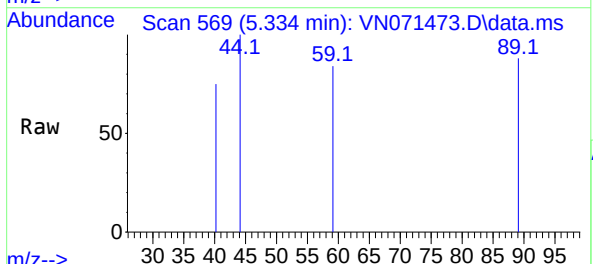
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

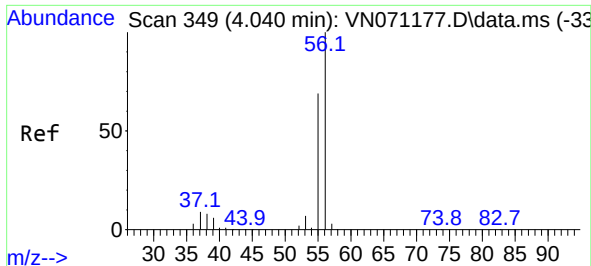
Tgt Ion: 94 Resp: 584
Ion Ratio Lower Upper
94 100
96 13.7 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.309 ug/l
RT: 5.334 min Scan# 569
Delta R.T. -0.035 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

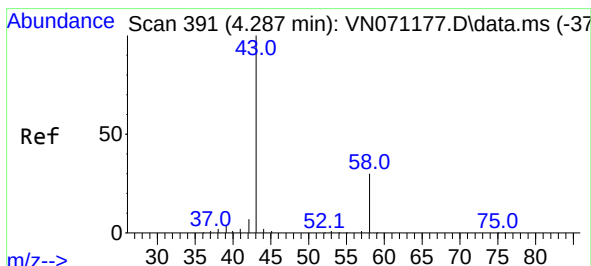
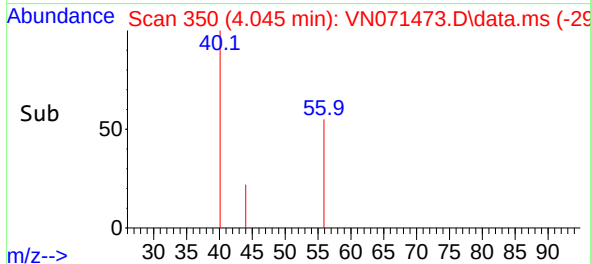
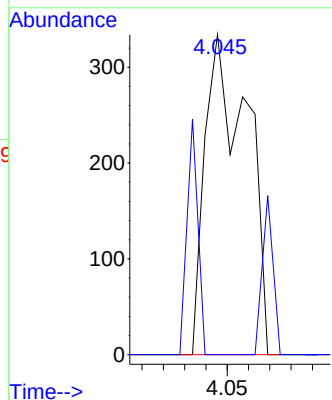
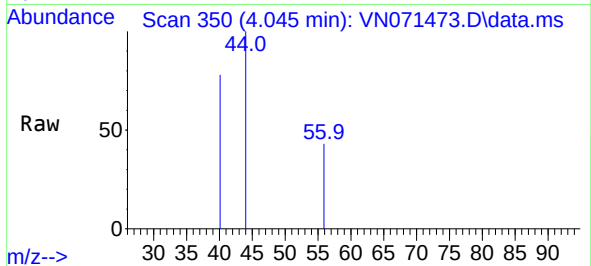




#13
Acrolein
Concen: 0.228 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

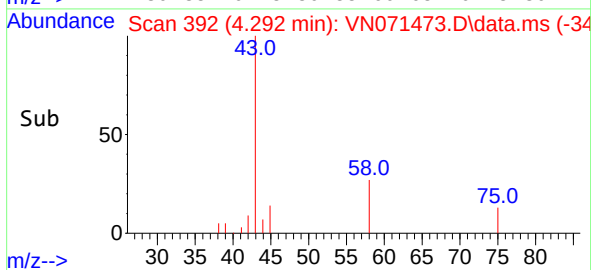
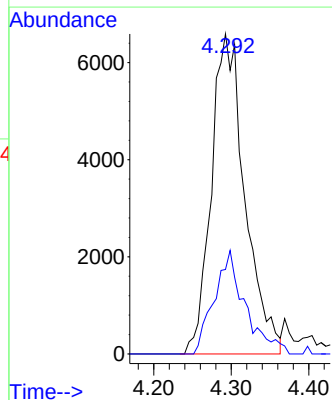
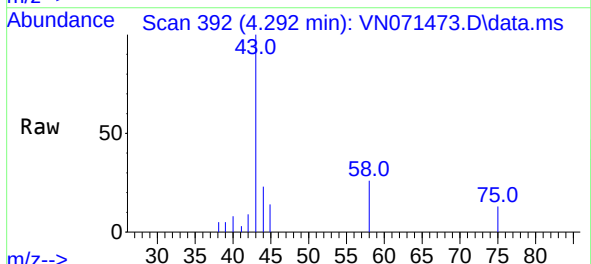
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

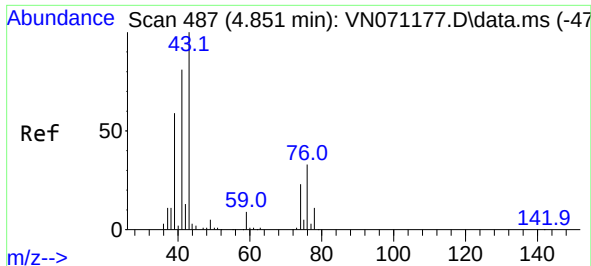
Tgt Ion: 56 Resp: 456
Ion Ratio Lower Upper
56 100
55 19.1 56.6 85.0#



#16
Acetone
Concen: 4.235 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 43 Resp: 19841
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7

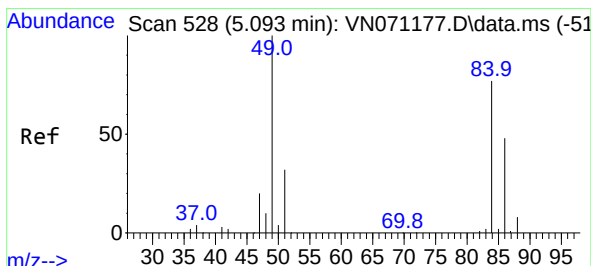
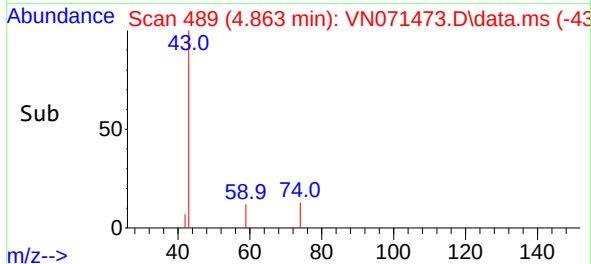
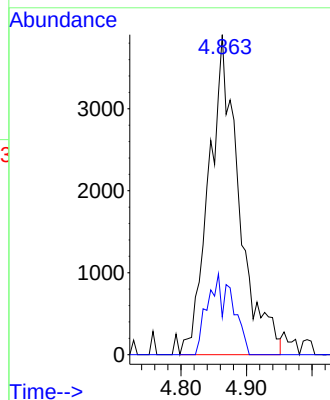
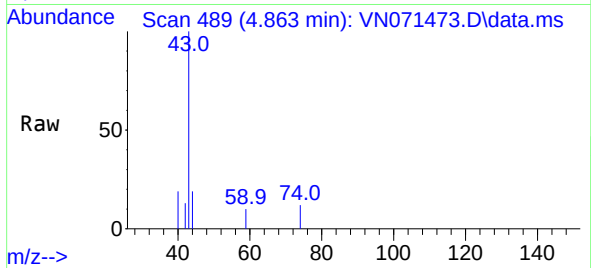




#18
Methyl Acetate
Concen: 1.455 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

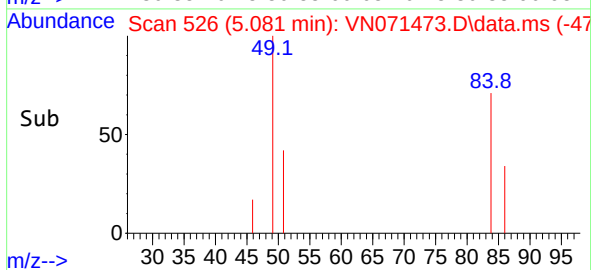
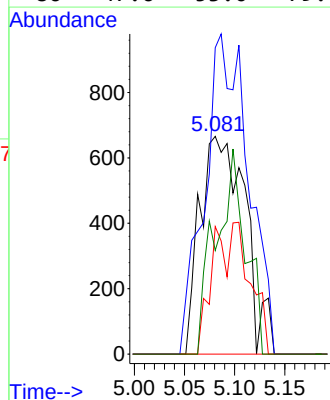
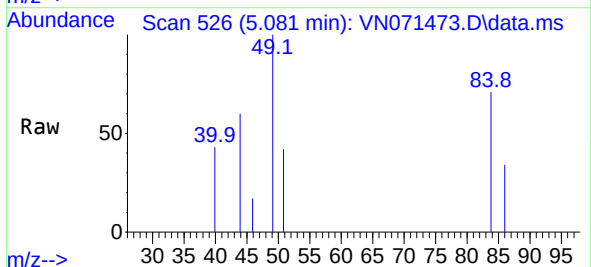
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

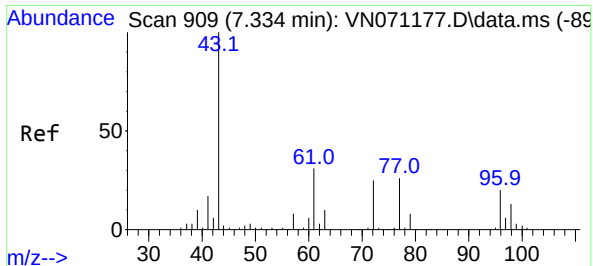
Tgt Ion: 43 Resp: 12511
Ion Ratio Lower Upper
43 100
74 11.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.626 ug/l
RT: 5.081 min Scan# 526
Delta R.T. -0.012 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 84 Resp: 2105
Ion Ratio Lower Upper
84 100
49 140.7 93.5 140.3#
51 58.6 29.4 44.2#
86 47.6 53.0 79.4#

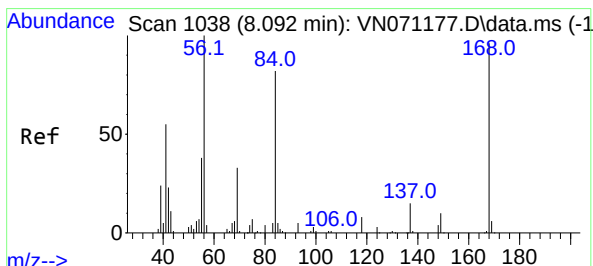
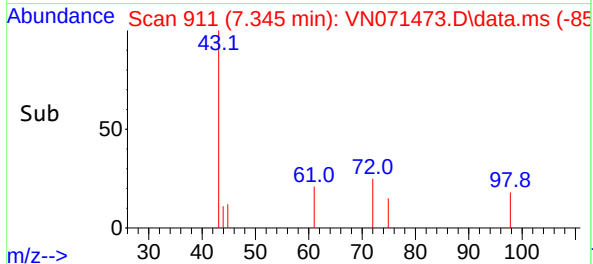
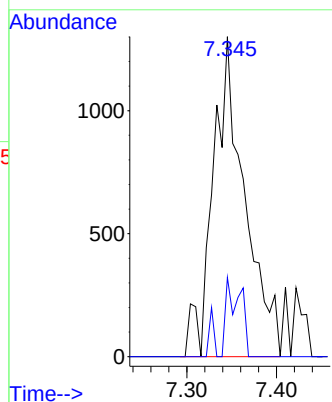
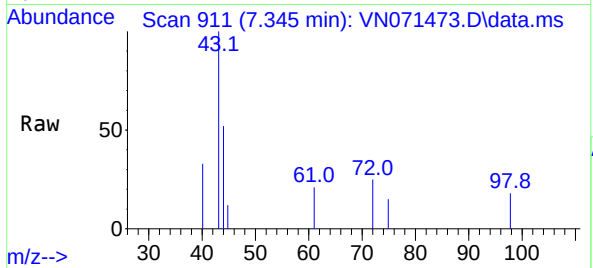




#25
2-Butanone
Concen: 0.423 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

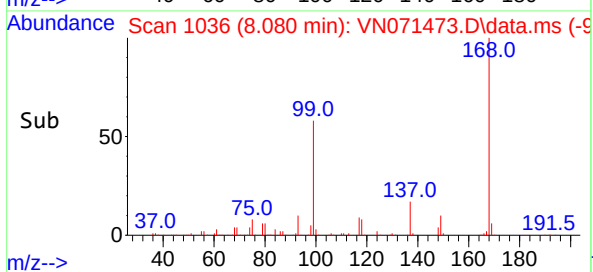
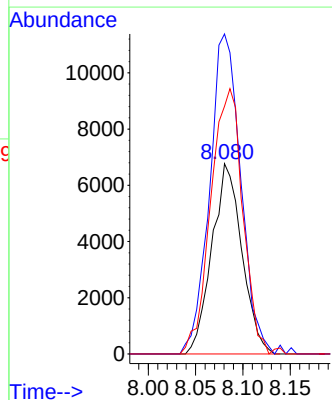
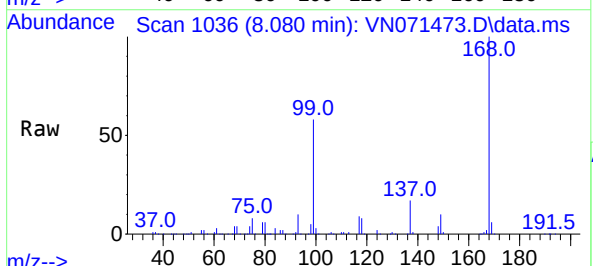
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

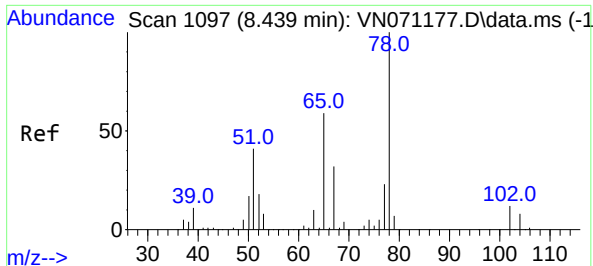
Tgt Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
72 24.8 21.7 32.5



#31
Cyclohexane
Concen: 0.971 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 56 Resp: 14925
Ion Ratio Lower Upper
56 100
69 168.2 27.1 40.7#
84 130.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.607 ug/l

RT: 8.433 min Scan# 1097

Delta R.T. -0.006 min

Lab File: VN071473.D

Acq: 22 Mar 2022 17:45

Instrument :

MSVOA_N

ClientSampleId :

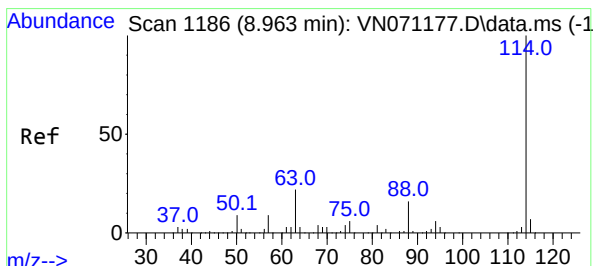
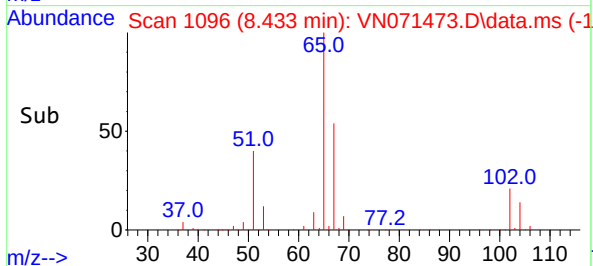
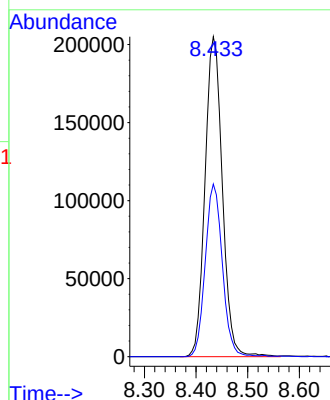
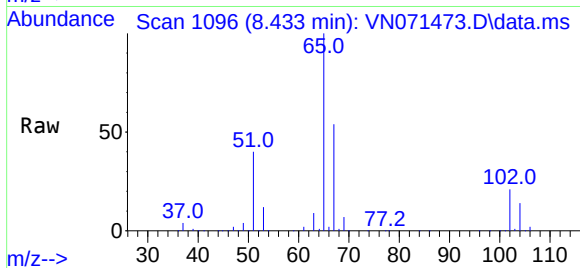
20220280-SITE-WATER

Tgt Ion: 65 Resp: 477670

Ion Ratio Lower Upper

65 100

67 53.1 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: VN071473.D

Acq: 22 Mar 2022 17:45

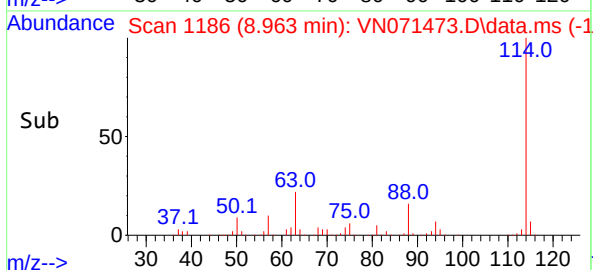
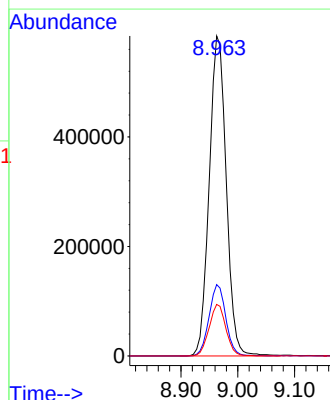
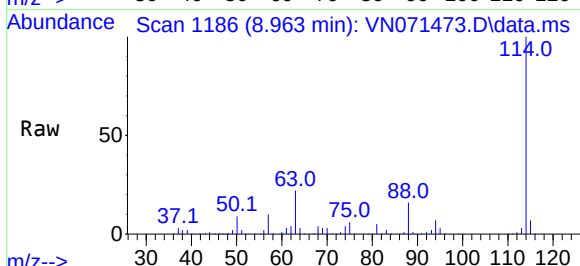
Tgt Ion: 114 Resp: 1214789

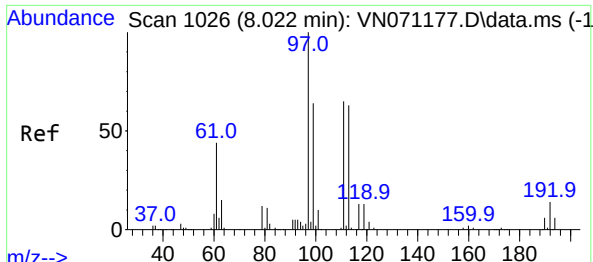
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

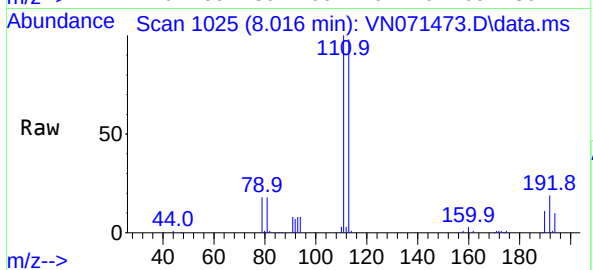
88 16.1 0.0 27.4



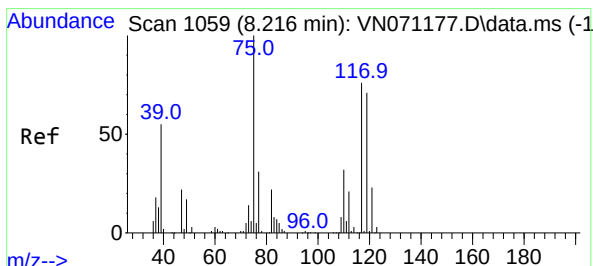
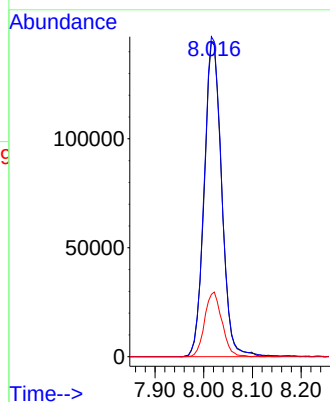
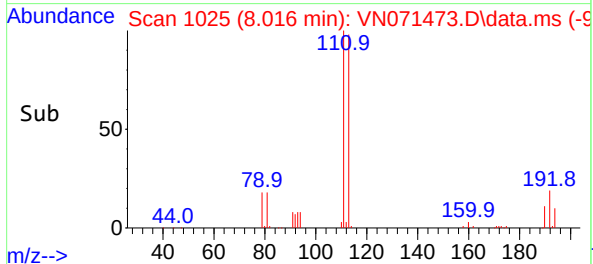


#35
Dibromofluoromethane
Concen: 46.695 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

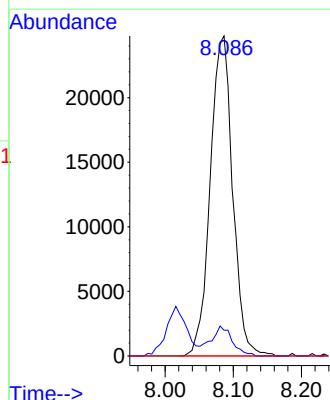
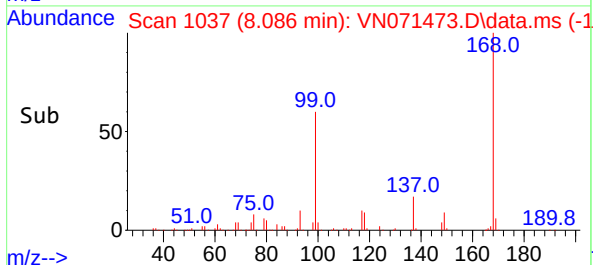
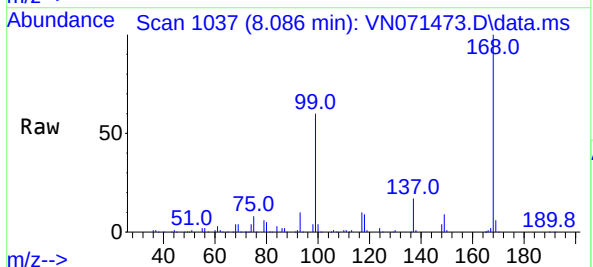


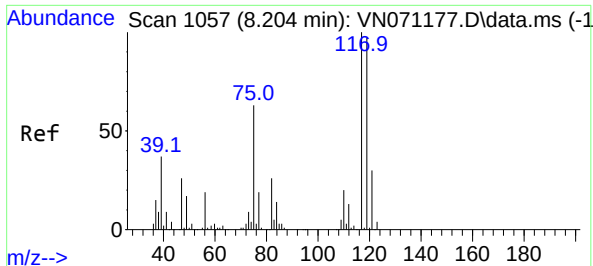
Tgt Ion:113 Resp: 357949
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.618 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 75 Resp: 56722
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

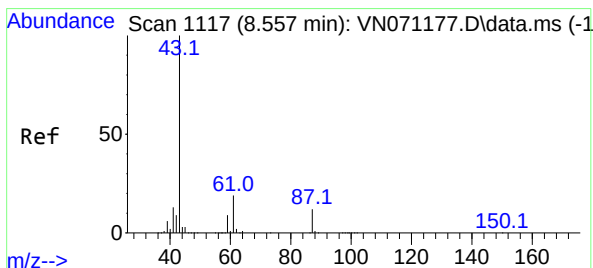
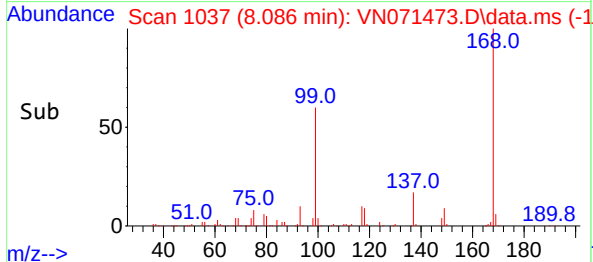
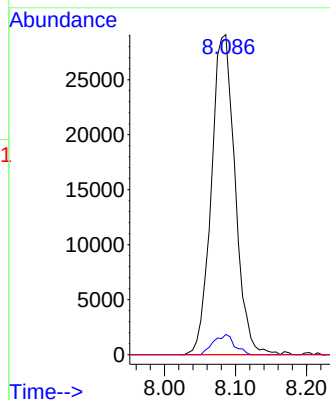
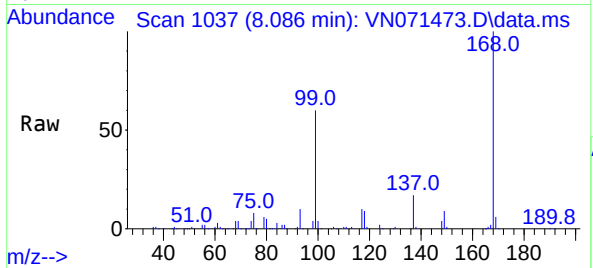




#38
Carbon Tetrachloride
Concen: 5.670 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

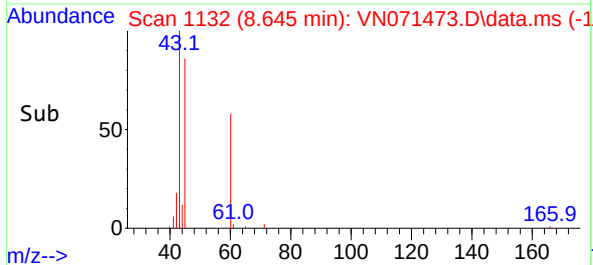
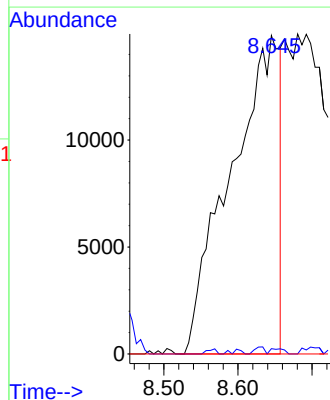
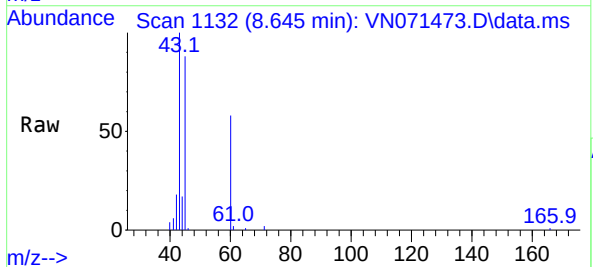
Instrument : MSVOA_N
ClientSampleId : 20220280-SITE-WATER

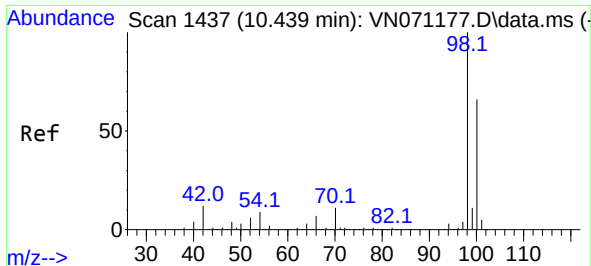
Tgt Ion:117 Resp: 67364
Ion Ratio Lower Upper
117 100
119 6.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.711 ug/l
RT: 8.645 min Scan# 1132
Delta R.T. 0.088 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 43 Resp: 68530
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#

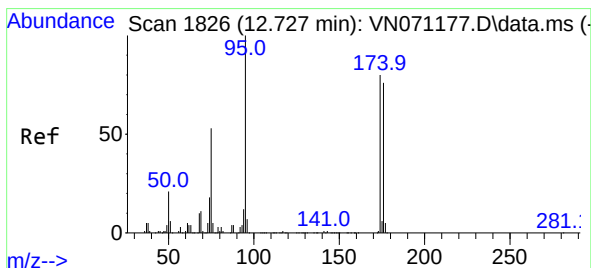
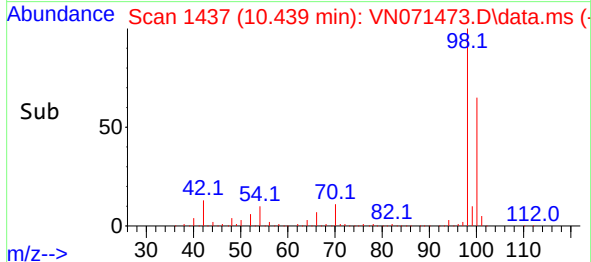
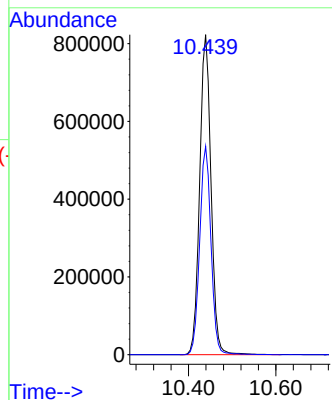
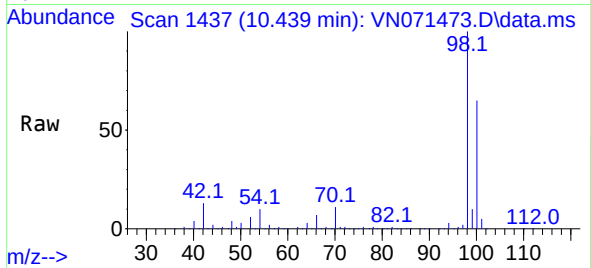




#50
Toluene-d8
Concen: 48.138 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

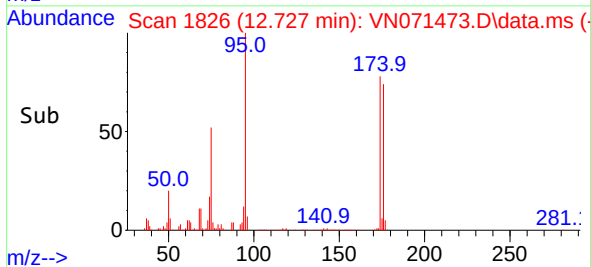
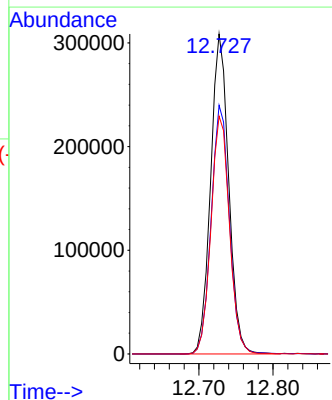
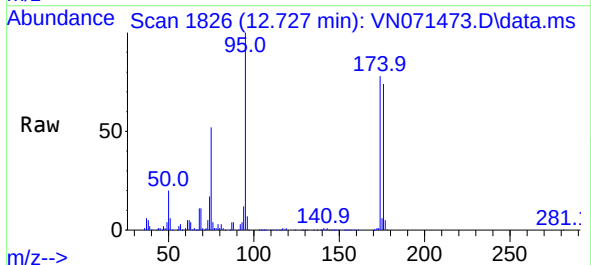
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

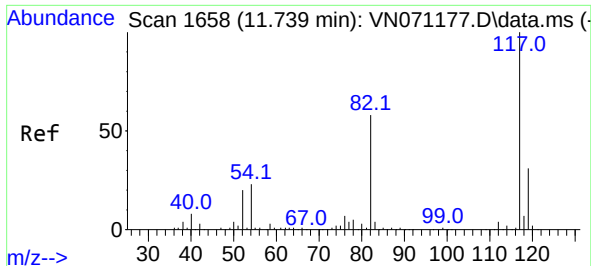
Tgt Ion: 98 Resp: 1485744
Ion Ratio Lower Upper
98 100
100 64.9 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 49.944 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 95 Resp: 521995
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 75.9 0.0 181.4

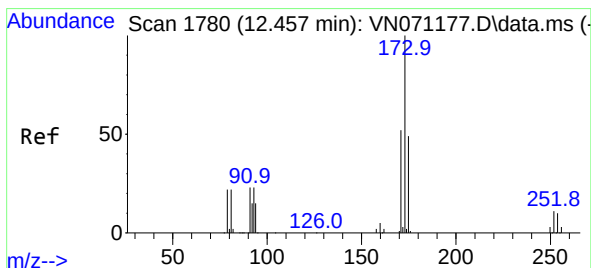
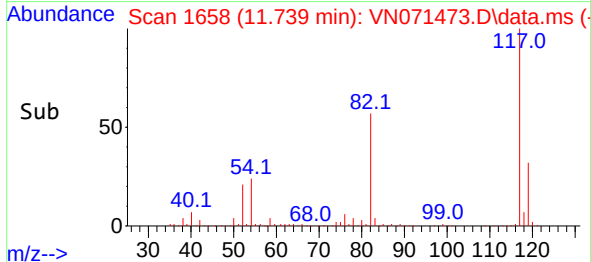
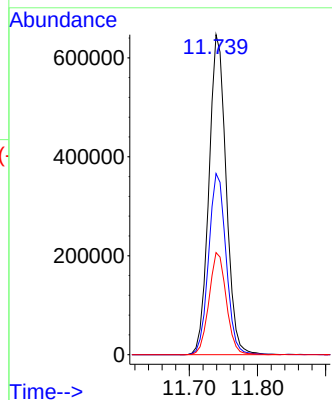
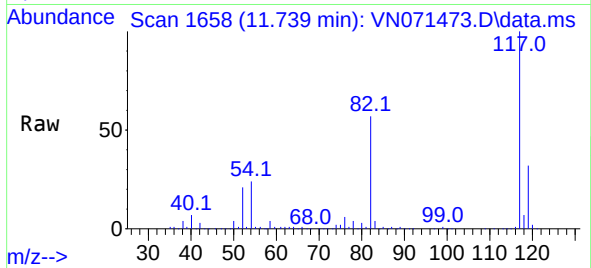




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

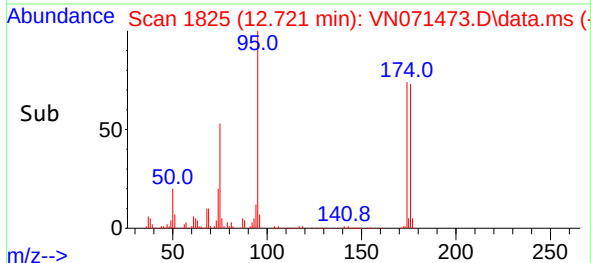
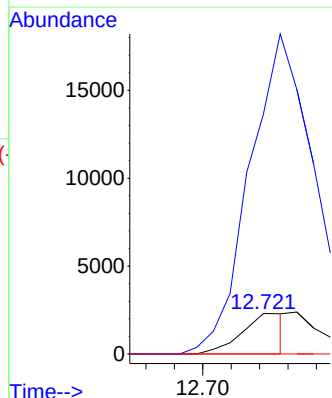
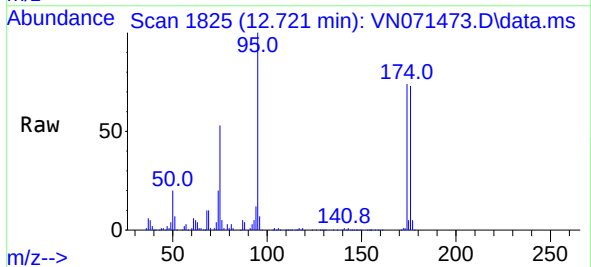
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

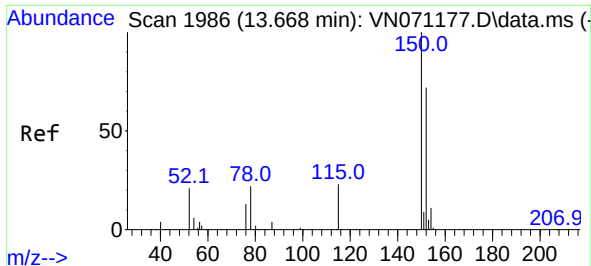
Tgt Ion:117 Resp: 1138523
Ion Ratio Lower Upper
117 100
82 56.6 42.4 63.6
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.360 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion:173 Resp: 2451
Ion Ratio Lower Upper
173 100
175 898.1 24.2 72.6#
254 0.0 0.0 0.0

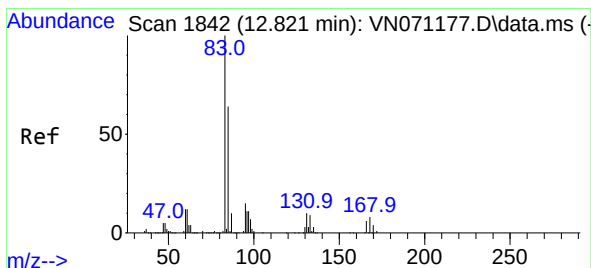
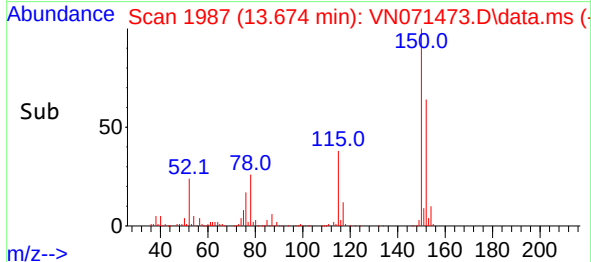
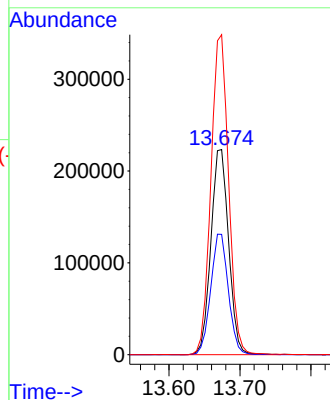
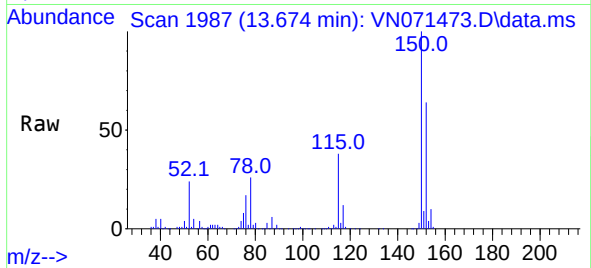




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071473.D
 Acq: 22 Mar 2022 17:45

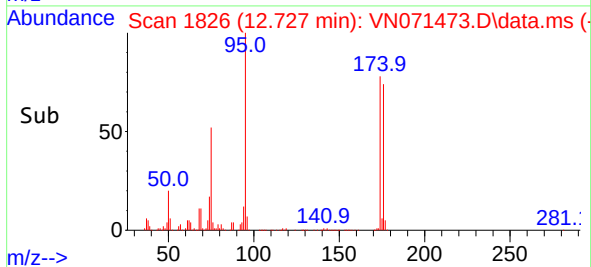
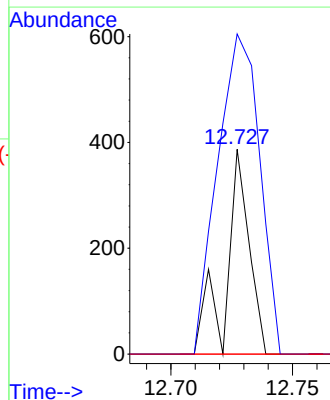
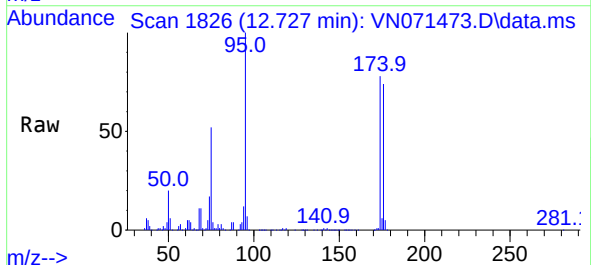
Instrument :
 MSVOA_N
 ClientSampleId :
 20220280-SITE-WATER

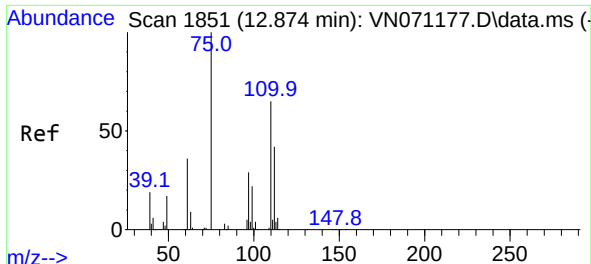
Tgt Ion:152 Resp: 387824
 Ion Ratio Lower Upper
 152 100
 115 58.4 27.5 82.5
 150 155.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.094 min
 Lab File: VN071473.D
 Acq: 22 Mar 2022 17:45

Tgt Ion: 83 Resp: 254
 Ion Ratio Lower Upper
 83 100
 131 287.0 5.5 16.5#
 85 0.0 32.4 97.2#

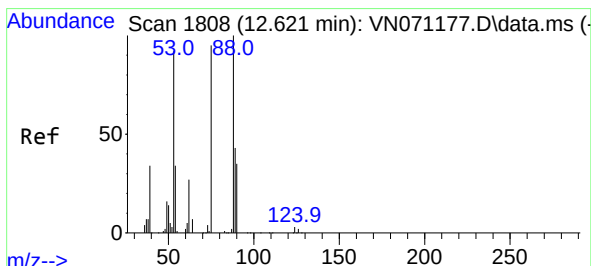
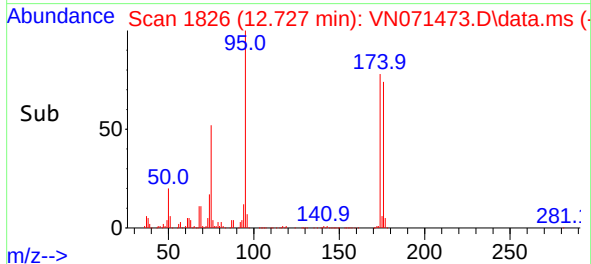
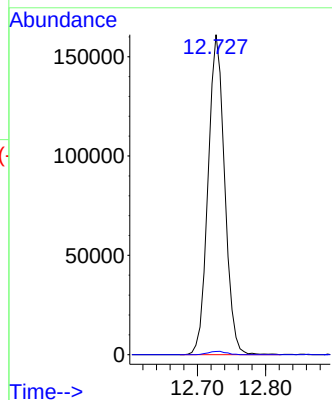
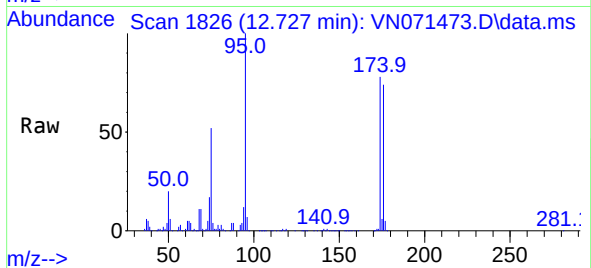




#76
1,2,3-Trichloropropane
Concen: 27.769 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

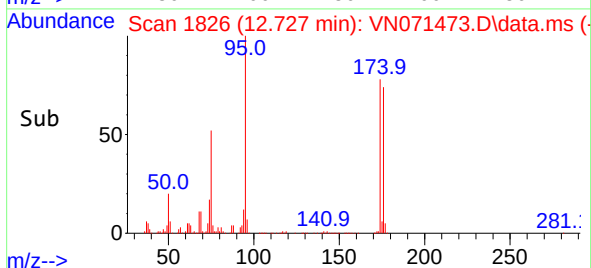
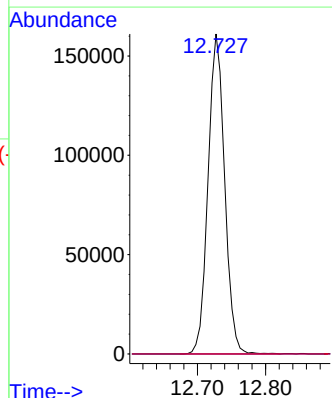
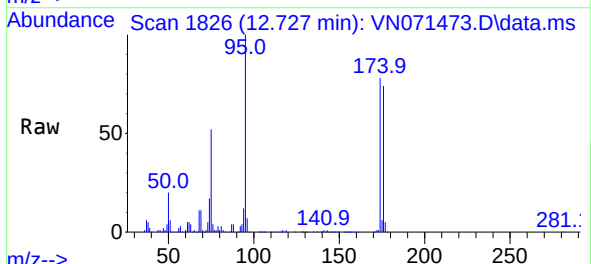
Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

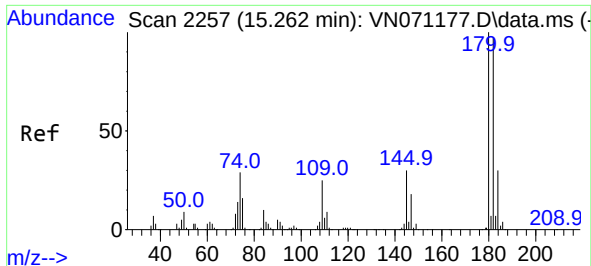
Tgt Ion: 75 Resp: 272814
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.042 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion: 75 Resp: 272814
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

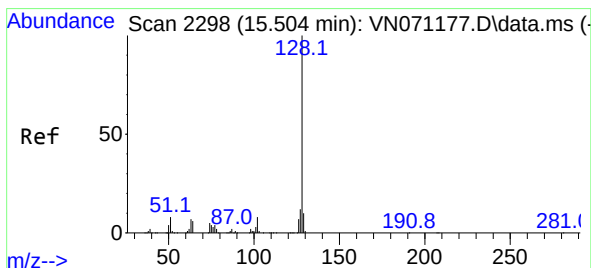
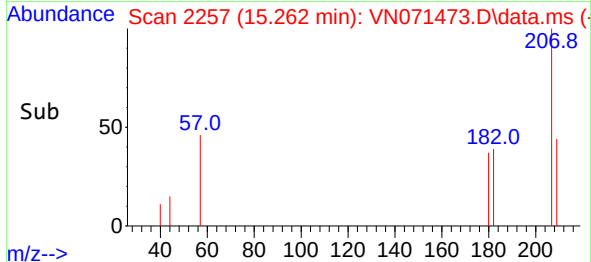
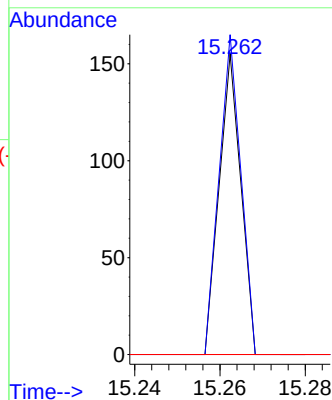
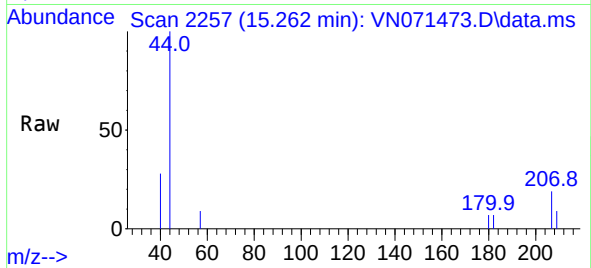




#93
1,2,4-Trichlorobenzene
Concen: 2.997 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Instrument :
MSVOA_N
ClientSampleId :
20220280-SITE-WATER

Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 105.5 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.128 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071473.D
Acq: 22 Mar 2022 17:45

Tgt Ion:128 Resp: 1198
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

