

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123021\
 Data File : VN070398.D
 Acq On : 30 Dec 2021 14:41
 Operator : JC/MD
 Sample : M5177-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Dec 31 05:18:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	933713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1590189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1470414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	541396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	698462	52.027	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.060%
35) Dibromofluoromethane	8.024	113	491589	51.093	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.180%
50) Toluene-d8	10.443	98	1942247	49.415	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.731	95	736055	51.850	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.700%

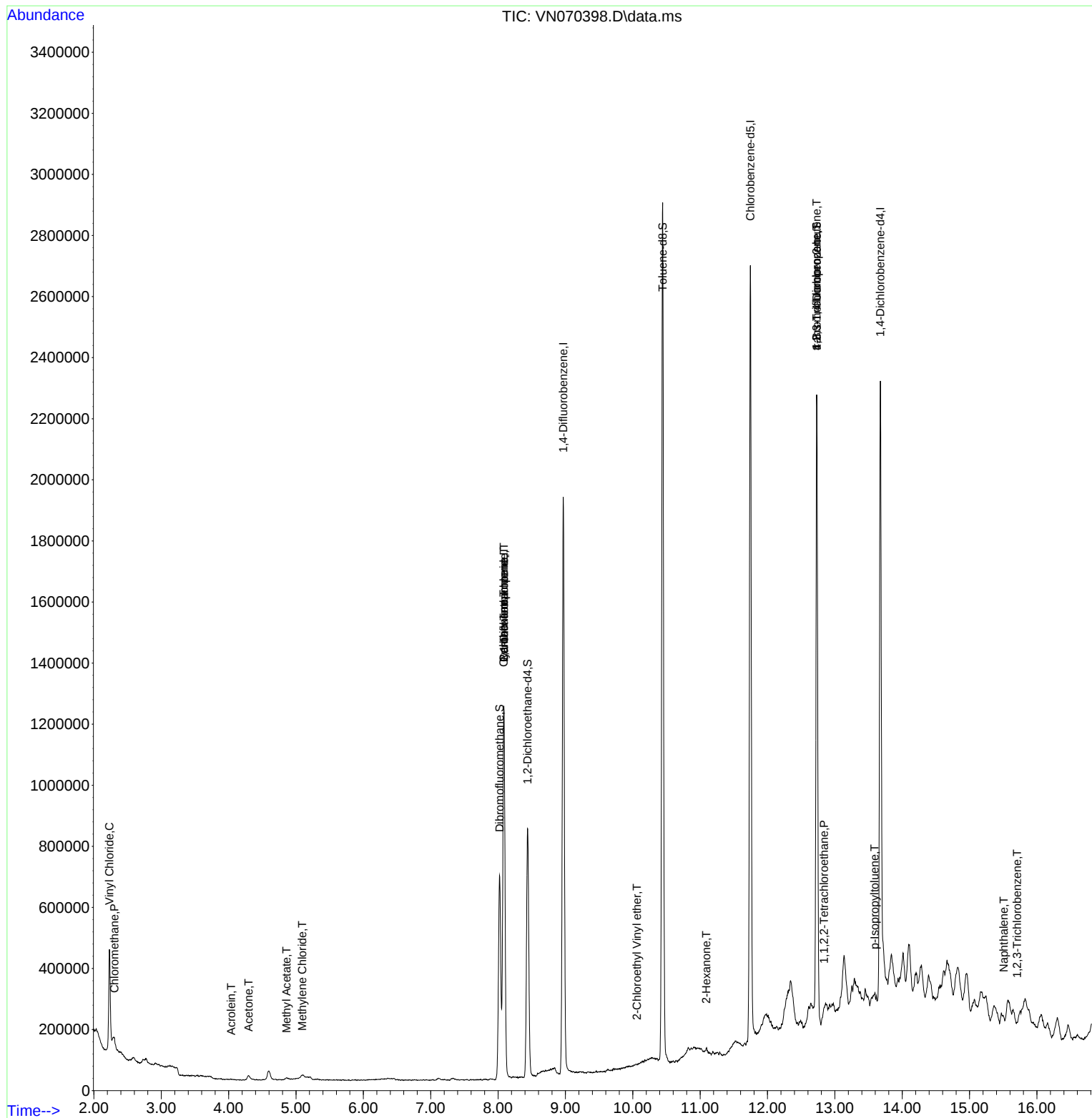
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.303	50	4859	0.337	ug/l	97
4) Vinyl Chloride	2.231	62	3645	0.278	ug/l #	1
13) Acrolein	4.039	56	676	0.373	ug/l #	77
16) Acetone	4.296	43	19209	2.204	ug/l	90
18) Methyl Acetate	4.856	43	5339	0.212	ug/l	93
20) Methylene Chloride	5.093	84	5825	0.483	ug/l	91
31) Cyclohexane	8.083	56	22157	1.046	ug/l #	2
36) 1,1-Dichloropropene	8.086	75	76186	4.787	ug/l #	48
38) Carbon Tetrachloride	8.086	117	92141	6.063	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.060	63	642	18.633	ug/l	95
59) 2-Hexanone	11.089	43	4224	0.283	ug/l	80
75) 1,1,2,2-Tetrachloroethane	12.838	83	737	0.487	ug/l #	73
76) 1,2,3-Trichloropropane	12.731	75	391902	25.848	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	391902	88.441	ug/l #	5
86) p-Isopropyltoluene	13.589	119	31527	0.833	ug/l #	53
95) Naphthalene	15.507	128	21674	2.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.705	180	1370	0.984	ug/l #	12

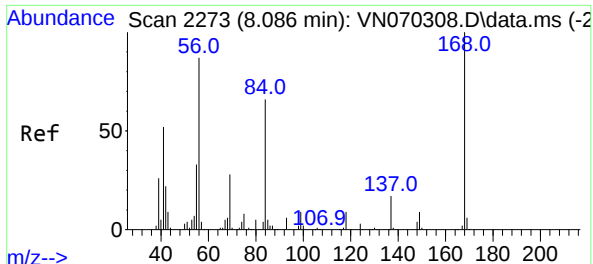
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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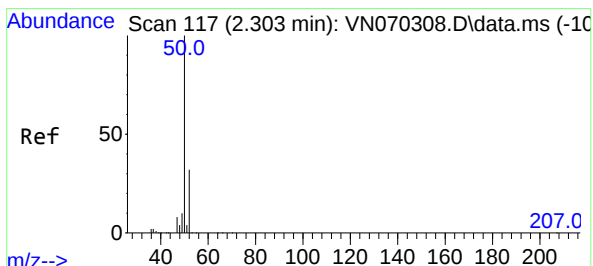
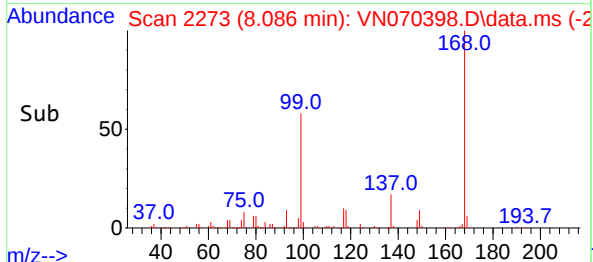
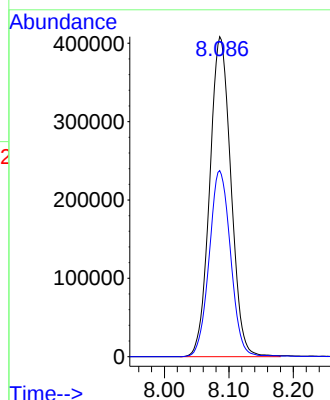
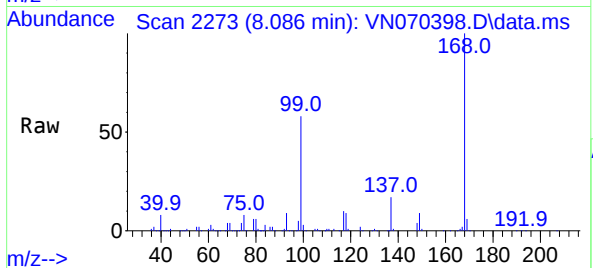




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

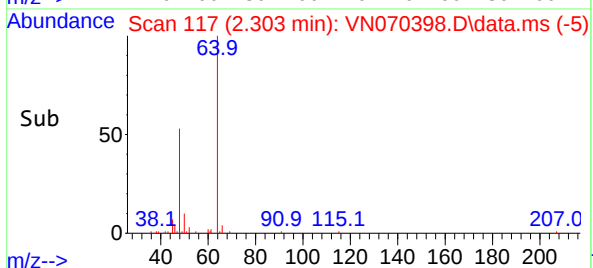
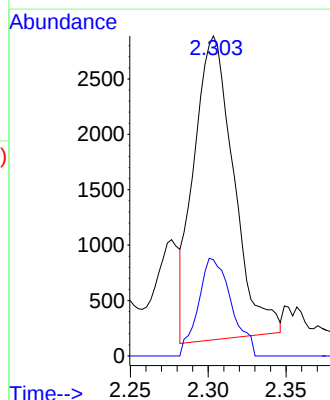
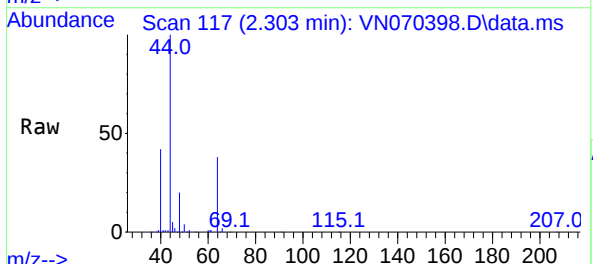
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

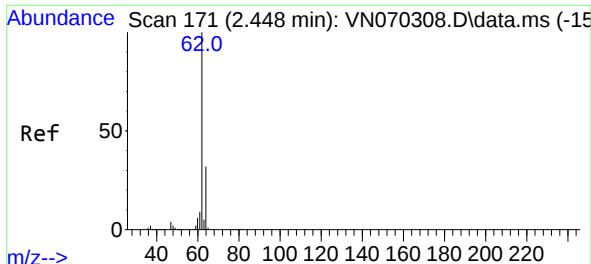
Tgt Ion:168 Resp: 933713
Ion Ratio Lower Upper
168 100
99 58.2 41.3 61.9



#3
Chloromethane
Concen: 0.337 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 50 Resp: 4859
Ion Ratio Lower Upper
50 100
52 33.6 25.4 38.0

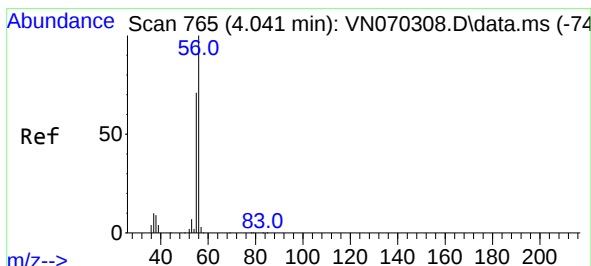
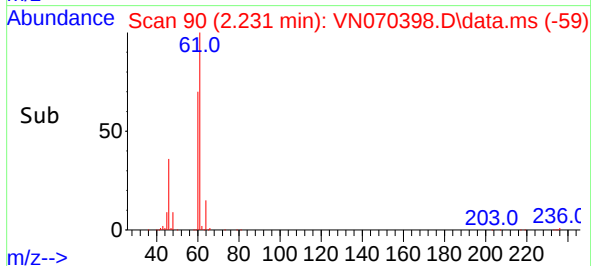
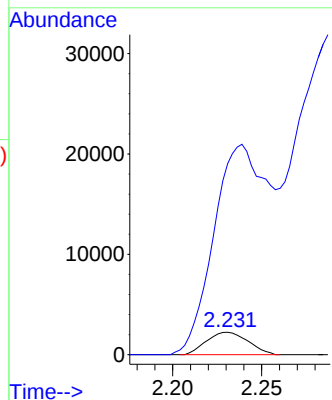
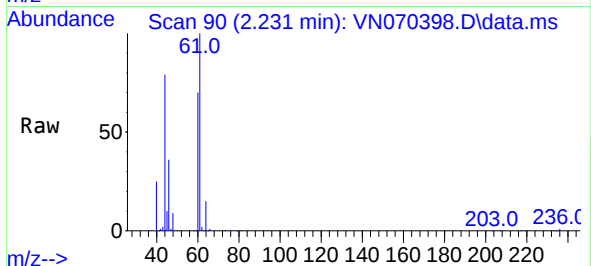




#4
 Vinyl Chloride
 Concen: 0.278 ug/l
 RT: 2.231 min Scan# 90
 Delta R.T. -0.217 min
 Lab File: VN070398.D
 Acq: 30 Dec 2021 14:41

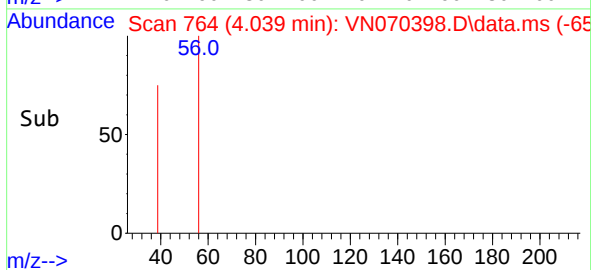
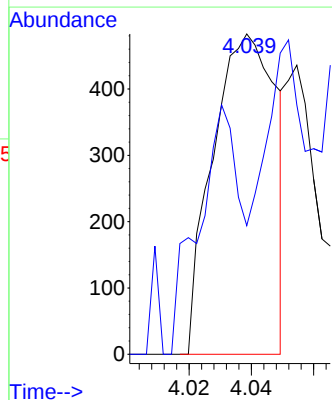
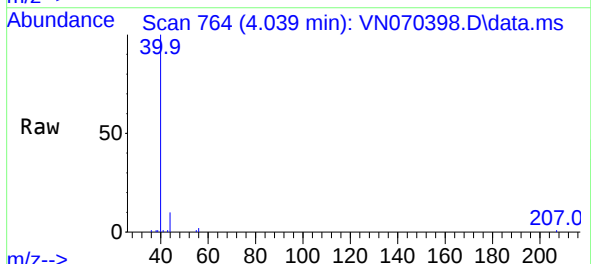
Instrument :
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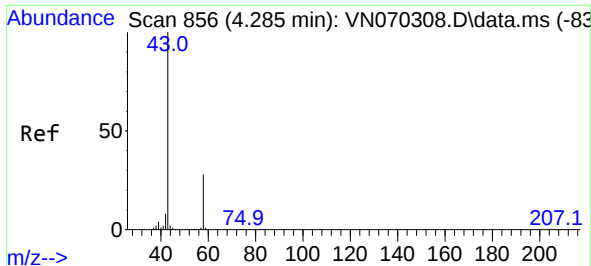
Tgt Ion: 62 Resp: 3645
 Ion Ratio Lower Upper
 62 100
 64 831.8 25.8 38.6#



#13
 Acrolein
 Concen: 0.373 ug/l
 RT: 4.039 min Scan# 764
 Delta R.T. -0.003 min
 Lab File: VN070398.D
 Acq: 30 Dec 2021 14:41

Tgt Ion: 56 Resp: 676
 Ion Ratio Lower Upper
 56 100
 55 51.9 56.6 85.0#

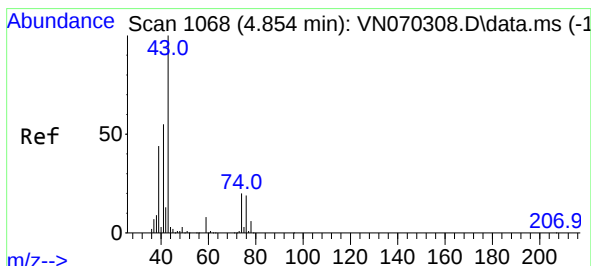
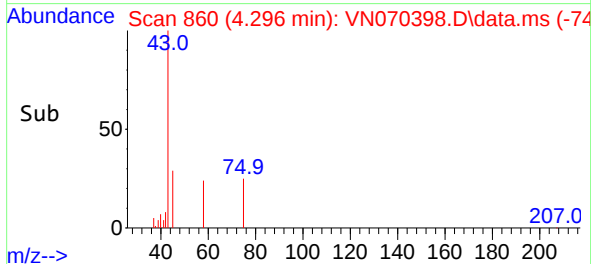
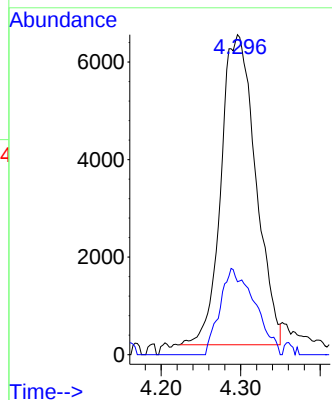
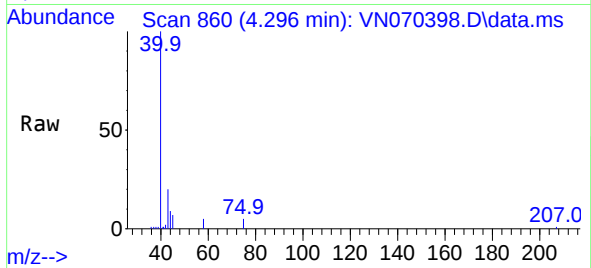




#16
Acetone
Concen: 2.204 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

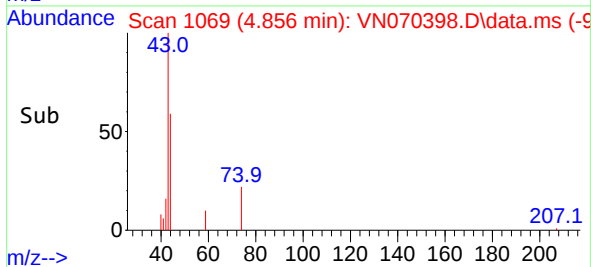
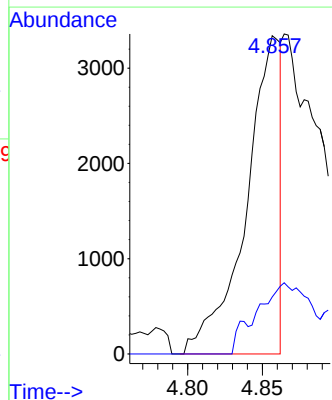
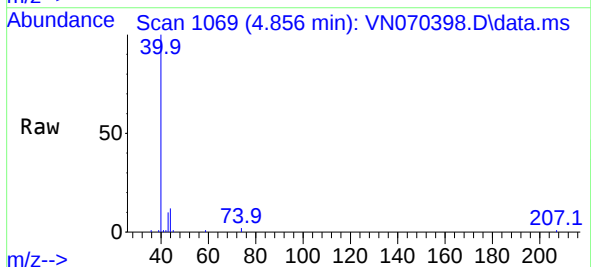
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

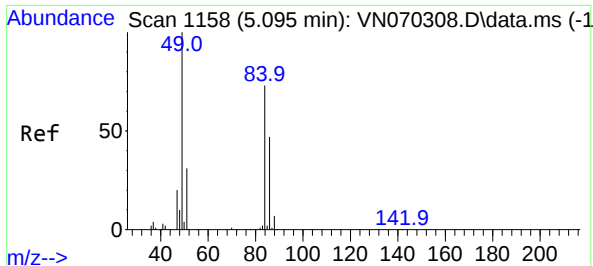
Tgt Ion: 43 Resp: 19209
Ion Ratio Lower Upper
43 100
58 23.5 23.1 34.7



#18
Methyl Acetate
Concen: 0.212 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 43 Resp: 5339
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2



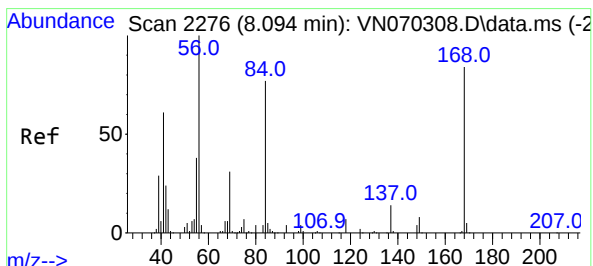
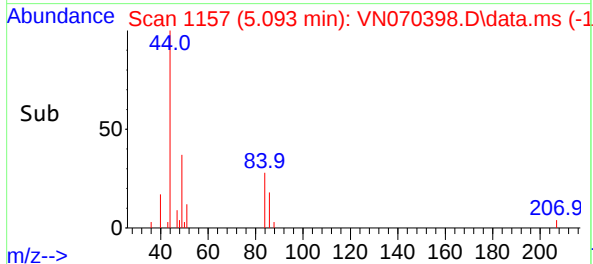
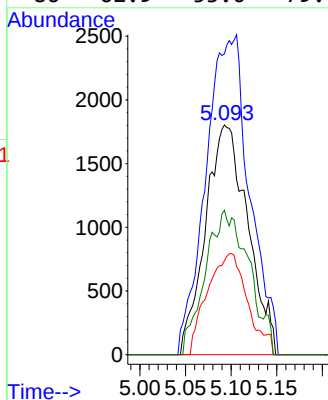
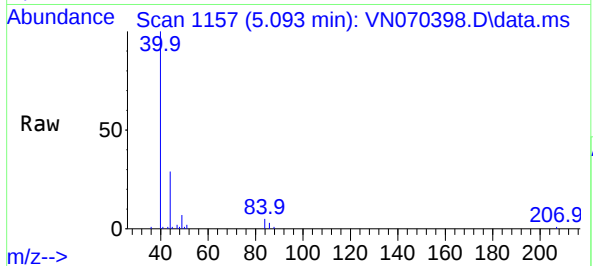


#20
Methylene Chloride
Concen: 0.483 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion: 84 Resp: 5825

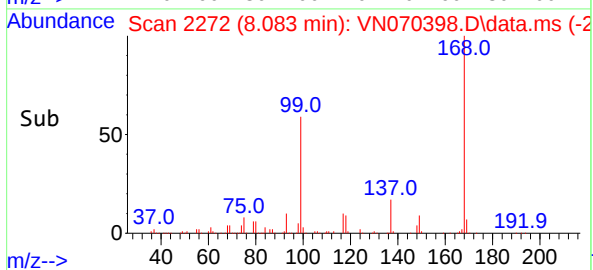
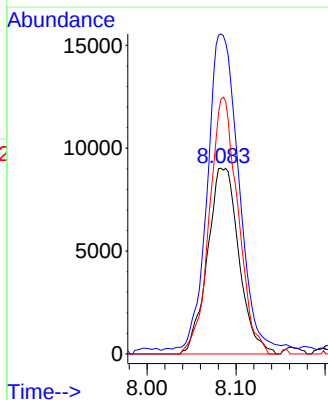
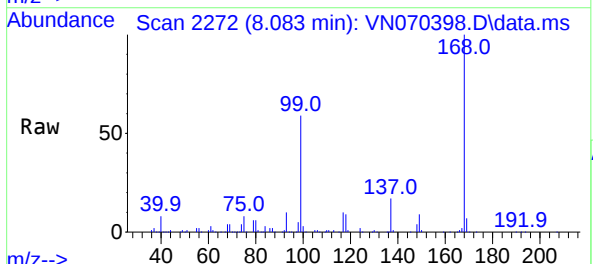
Ion	Ratio	Lower	Upper
84	100		
49	130.9	93.5	140.3
51	40.9	29.4	44.2
86	62.9	53.0	79.4

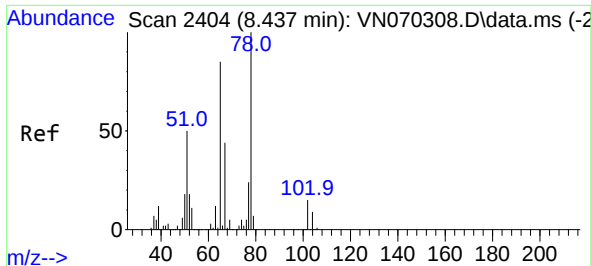


#31
Cyclohexane
Concen: 1.046 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 56 Resp: 22157

Ion	Ratio	Lower	Upper
56	100		
69	168.6	27.1	40.7#
84	137.1	73.4	110.0#

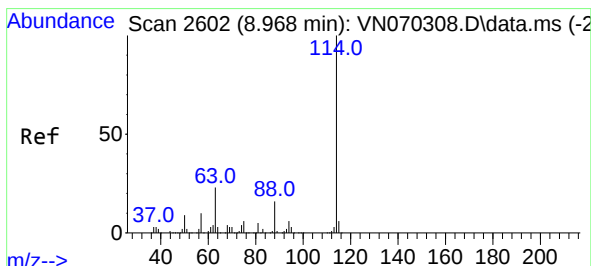
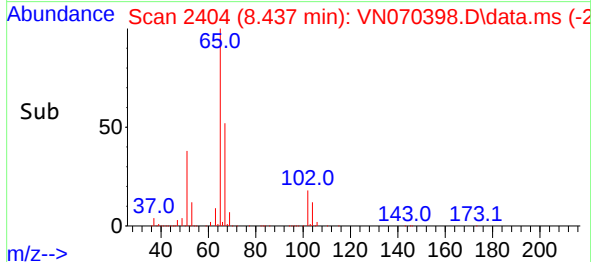
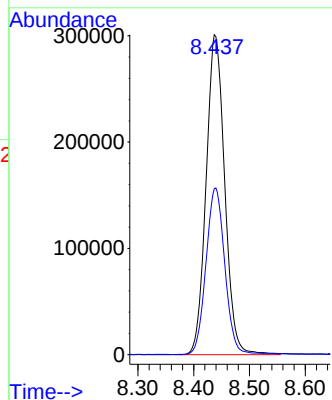
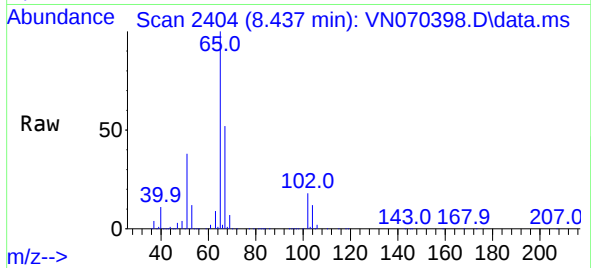




#33
1,2-Dichloroethane-d4
Concen: 52.027 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

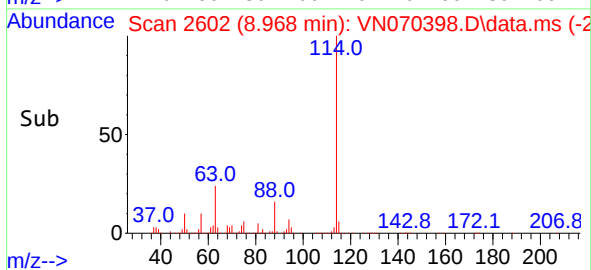
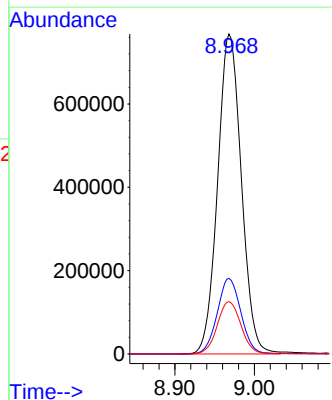
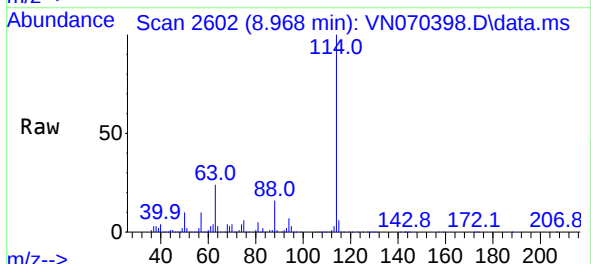
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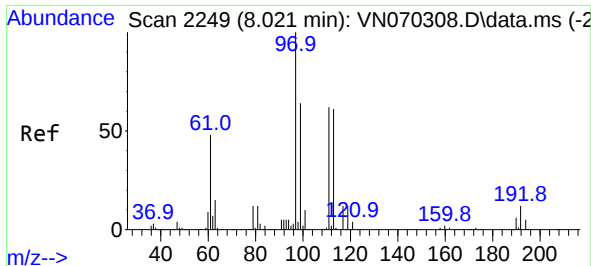
Tgt Ion: 65 Resp: 698462
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion:114 Resp: 1590189
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.3 0.0 27.4

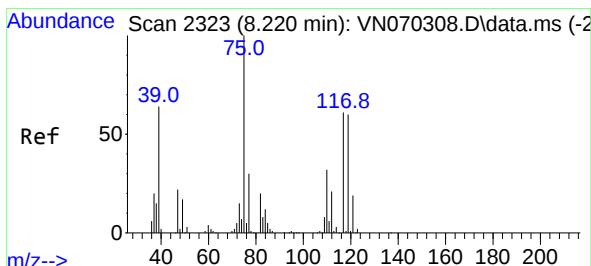
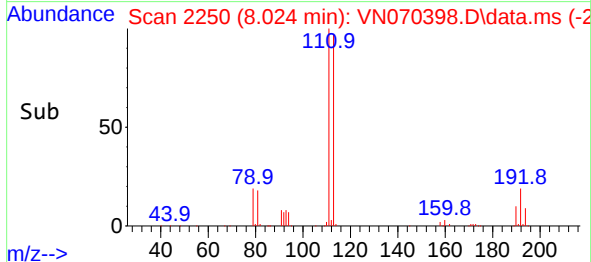
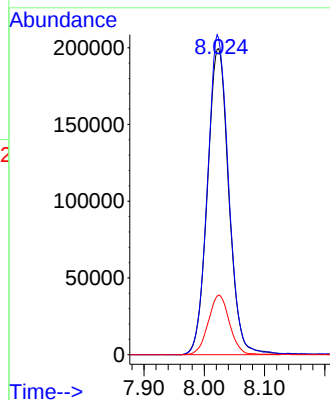
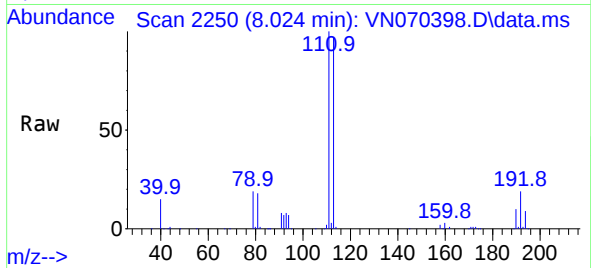




#35
Dibromofluoromethane
Concen: 51.093 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

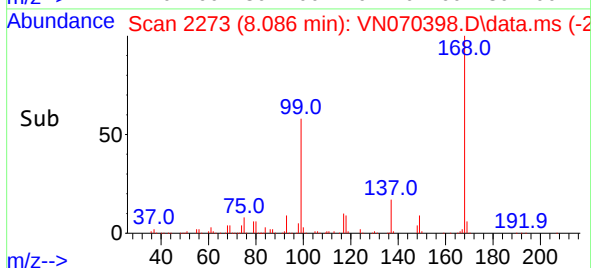
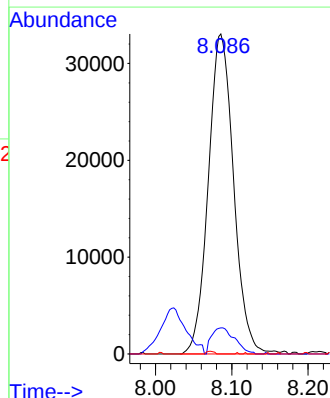
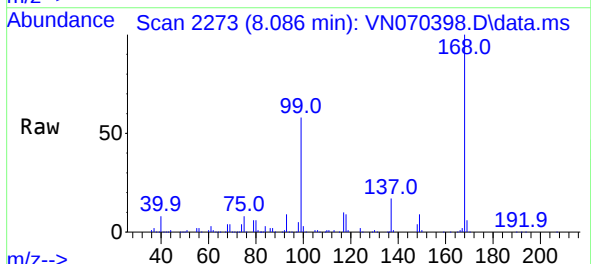
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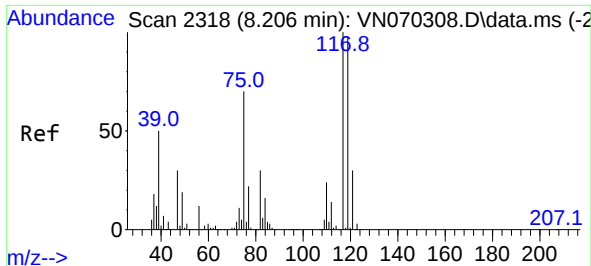
Tgt Ion:113 Resp: 491589
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 75 Resp: 76186
Ion Ratio Lower Upper
75 100
110 7.5 18.4 55.2#
77 0.2 24.4 36.6#

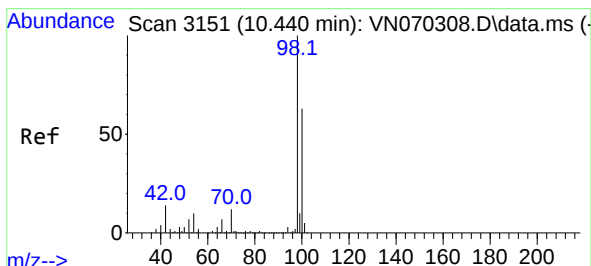
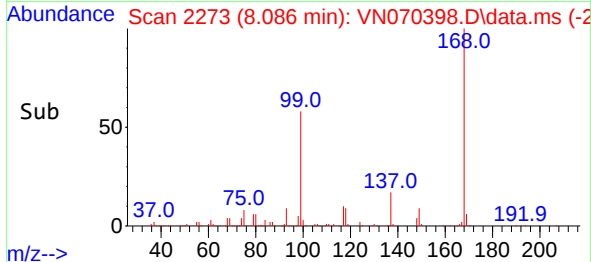
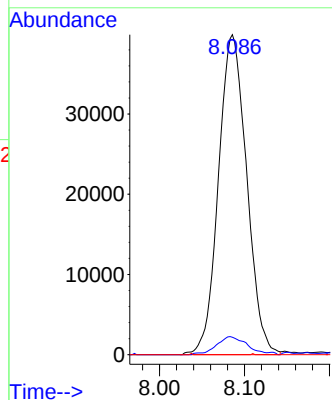
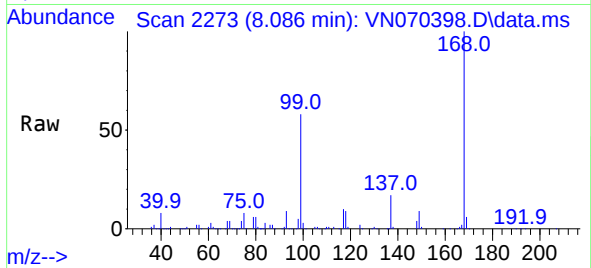




#38
Carbon Tetrachloride
Concen: 6.063 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

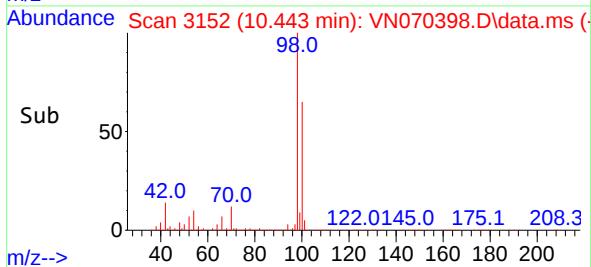
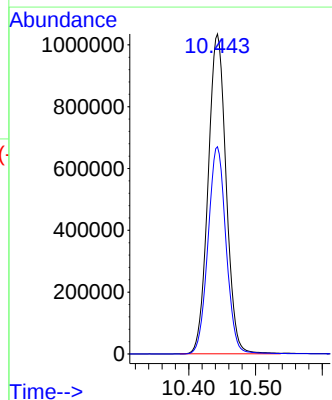
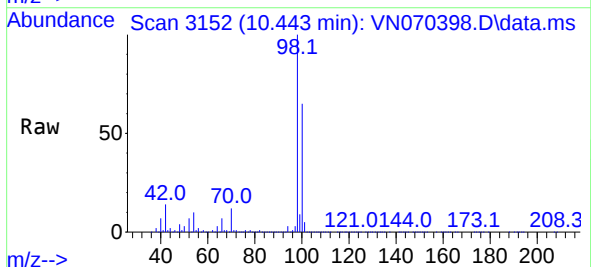
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

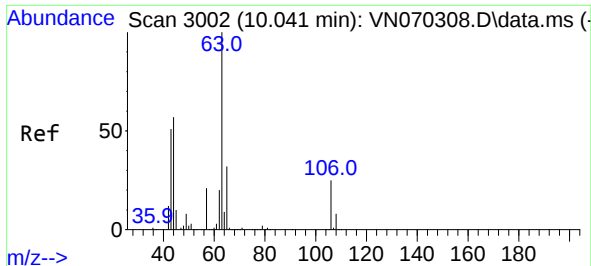
Tgt Ion:117 Resp: 92141
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.415 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 98 Resp: 1942247
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6

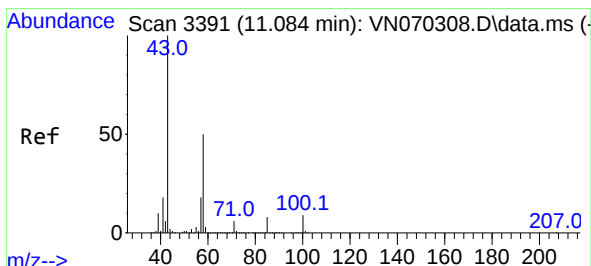
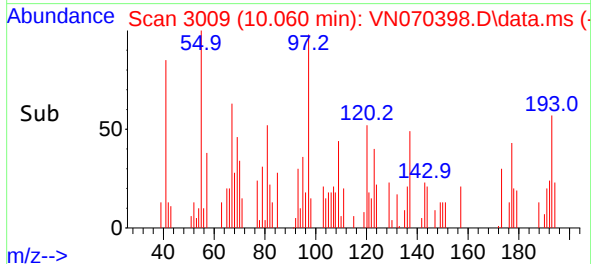
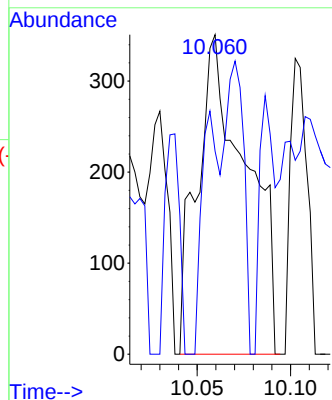
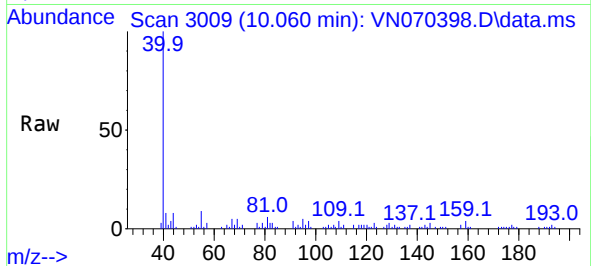




#58
2-Chloroethyl Vinyl ether
Concen: 18.633 ug/l
RT: 10.060 min Scan# 3009
Delta R.T. 0.019 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

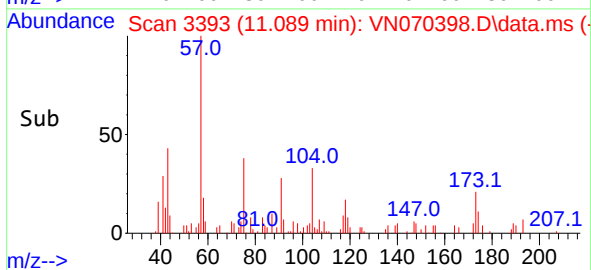
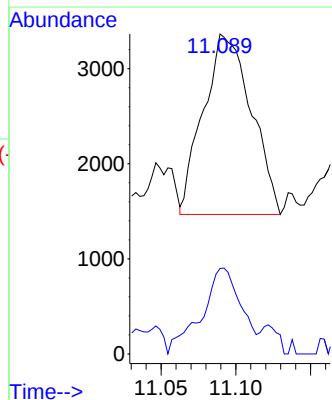
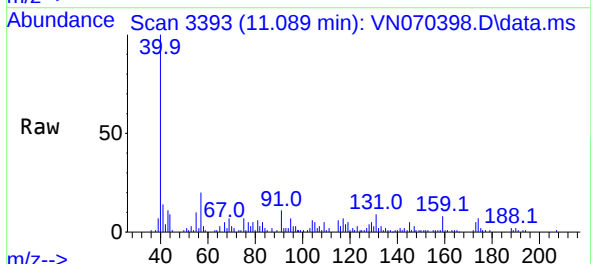
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

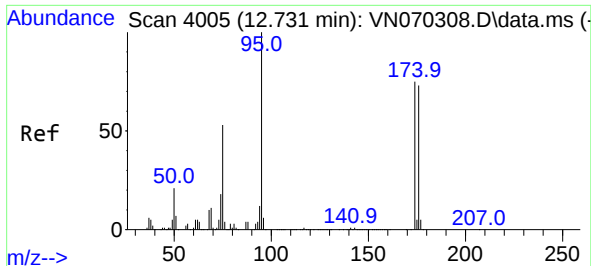
Tgt Ion: 63 Resp: 642
Ion Ratio Lower Upper
63 100
106 27.1 23.9 35.9



#59
2-Hexanone
Concen: 0.283 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
58 39.5 26.9 80.7

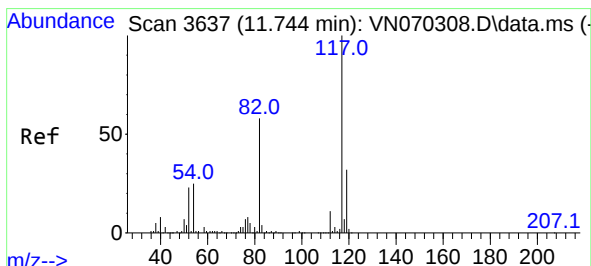
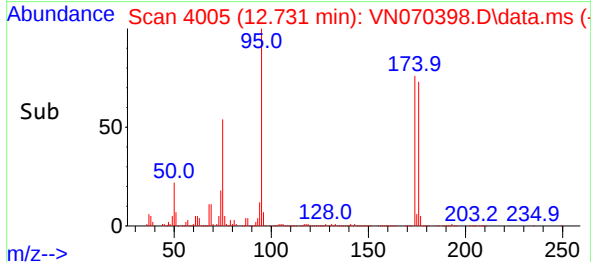
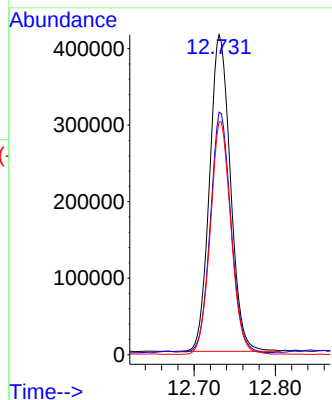
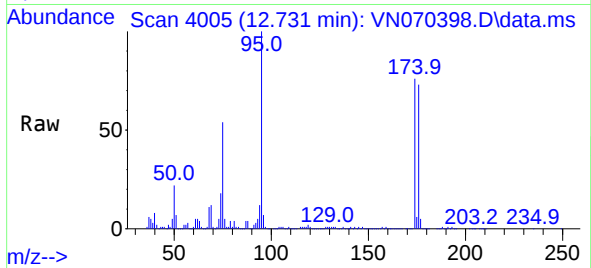




#62
4-Bromofluorobenzene
Concen: 51.850 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

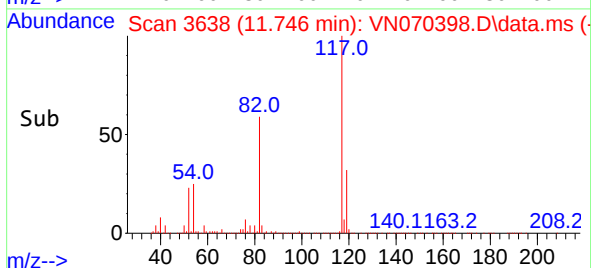
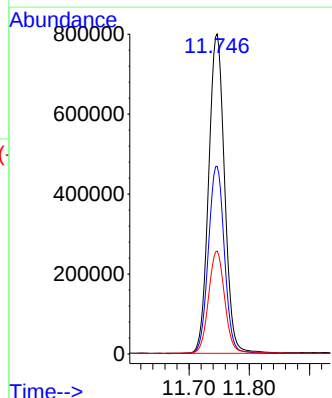
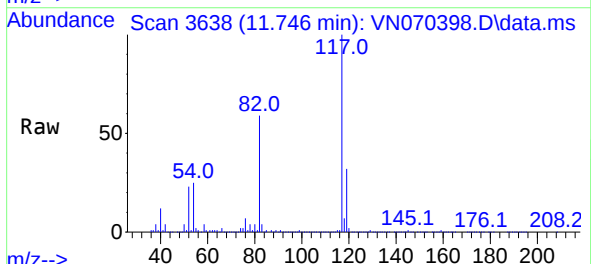
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

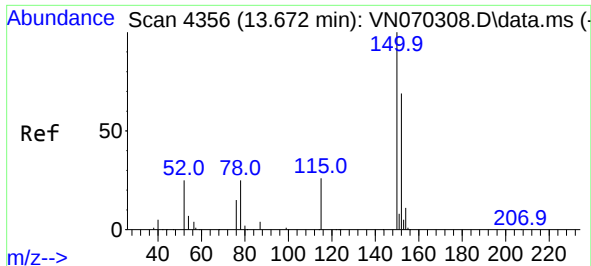
Tgt Ion: 95 Resp: 736055
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.002 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 117 Resp: 1470414
Ion Ratio Lower Upper
117 100
82 58.6 42.4 63.6
119 32.0 25.4 38.2

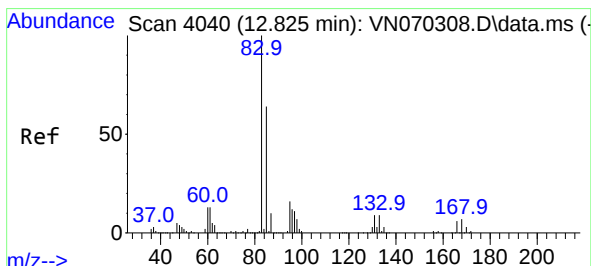
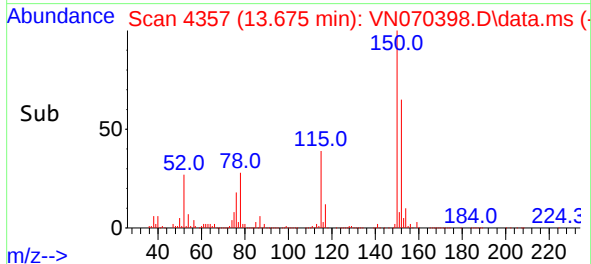
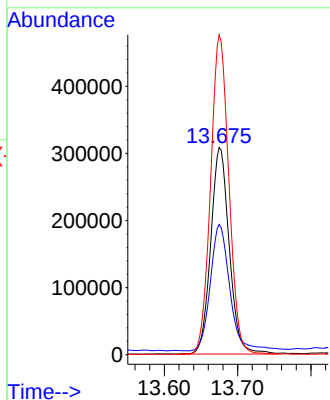
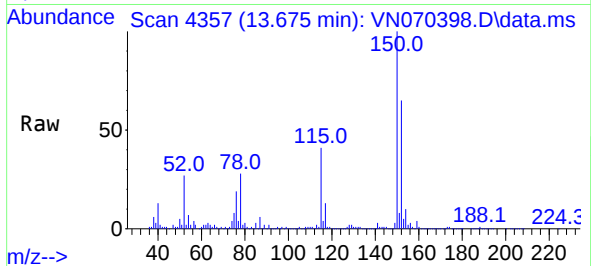




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

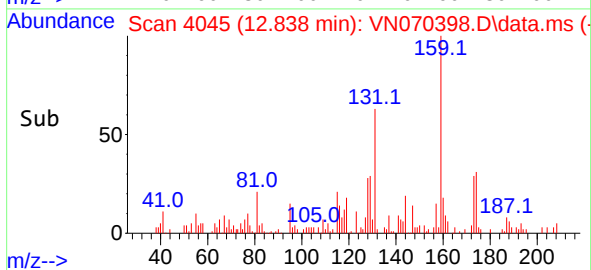
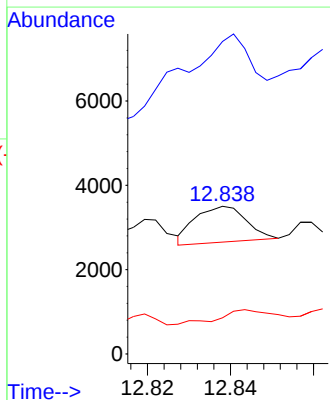
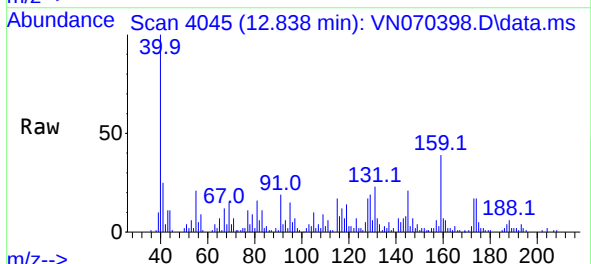
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

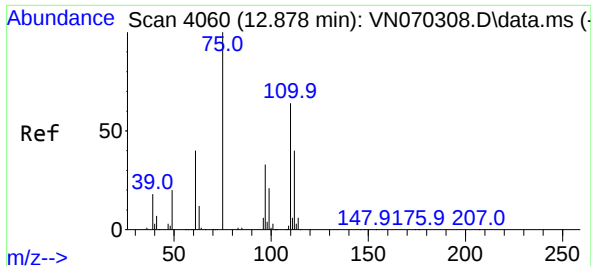
Tgt Ion:152 Resp: 541396
Ion Ratio Lower Upper
152 100
115 64.6 27.5 82.5
150 152.2 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.487 ug/l
RT: 12.838 min Scan# 4045
Delta R.T. 0.013 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 83 Resp: 737
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 43.8 32.4 97.2

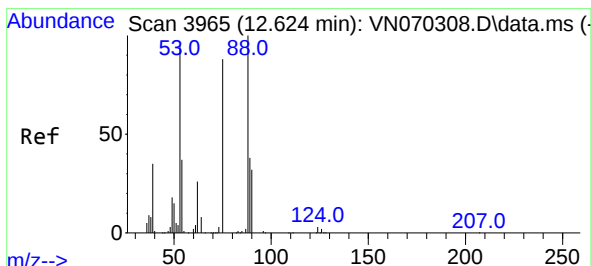
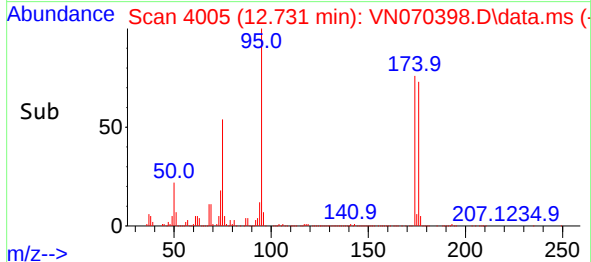
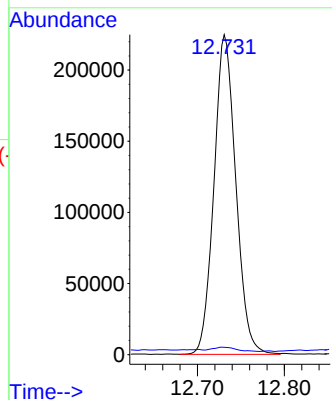
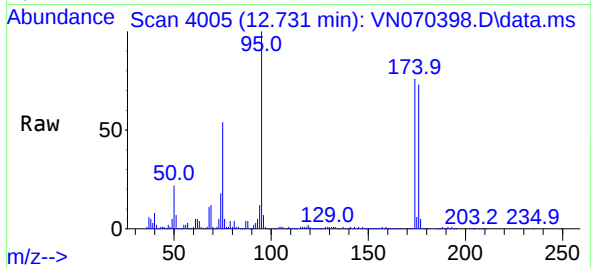




#76
1,2,3-Trichloropropane
Concen: 25.848 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

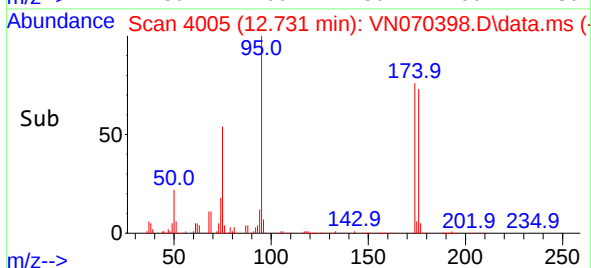
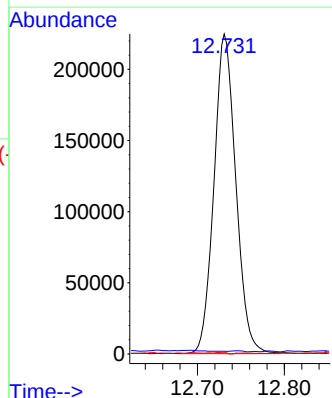
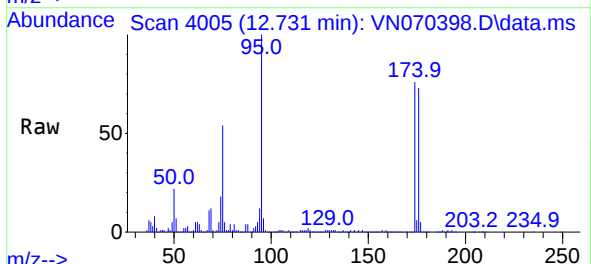
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

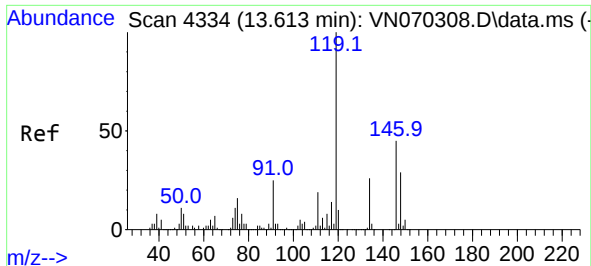
Tgt Ion: 75 Resp: 391902
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.441 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

Tgt Ion: 75 Resp: 391902
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.3 38.2 57.4#

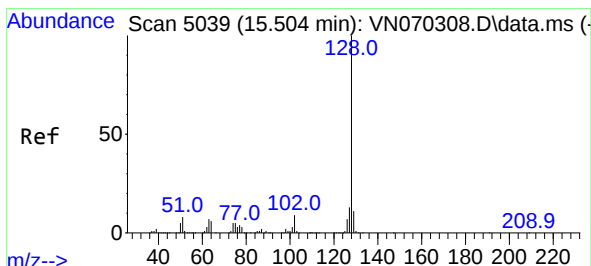
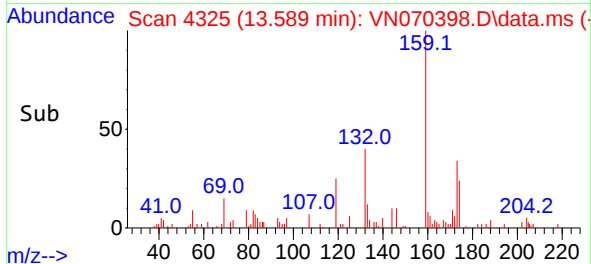
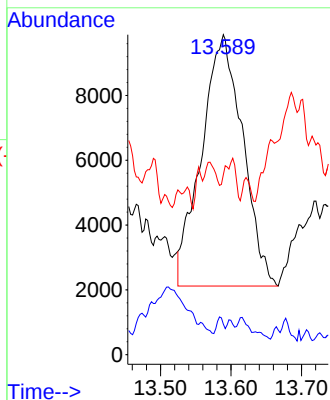
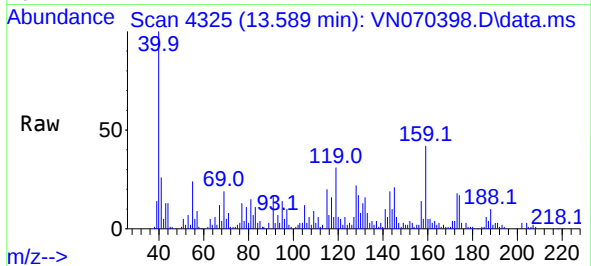




#86
p-Isopropyltoluene
Concen: 0.833 ug/l
RT: 13.589 min Scan# 41
Delta R.T. -0.024 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

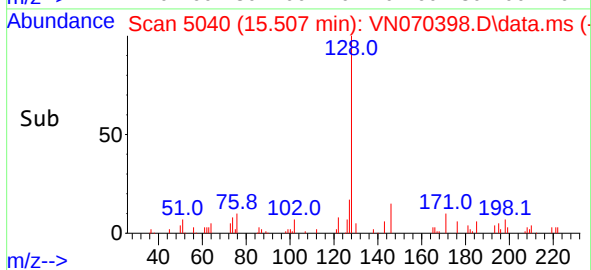
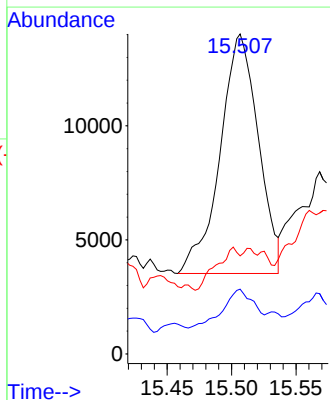
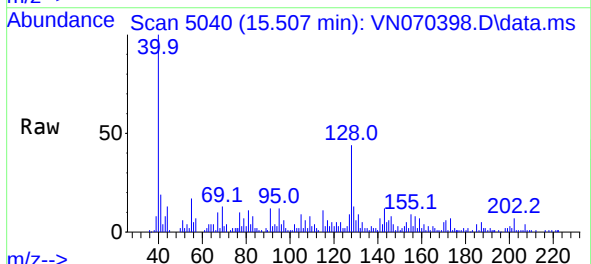
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

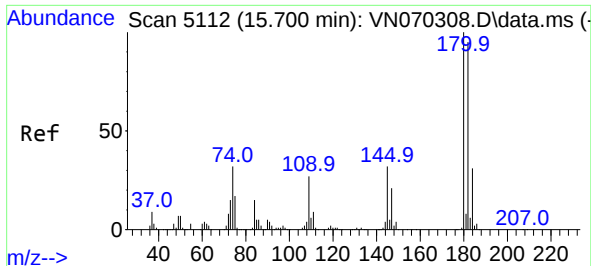
Tgt Ion:119 Resp: 31527
Ion Ratio Lower Upper
119 100
134 1.0 13.6 40.7#
91 2.0 11.4 34.1#



#95
Naphthalene
Concen: 2.644 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070398.D
Acq: 30 Dec 2021 14:41

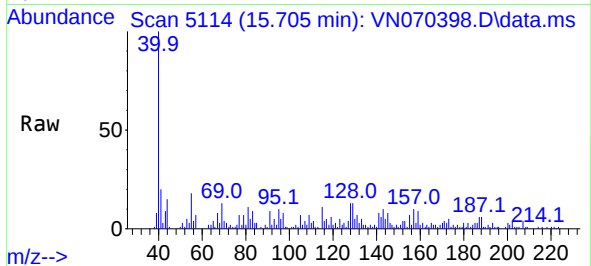
Tgt Ion:128 Resp: 21674
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.984 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070398.D
 Acq: 30 Dec 2021 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5



Tgt Ion:180 Resp: 1370
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 15.0 45.1#

