

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077954.D
 Acq On : 27 May 2023 04:03
 Operator : JC\MD
 Sample : 02970-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: May 29 01:43:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

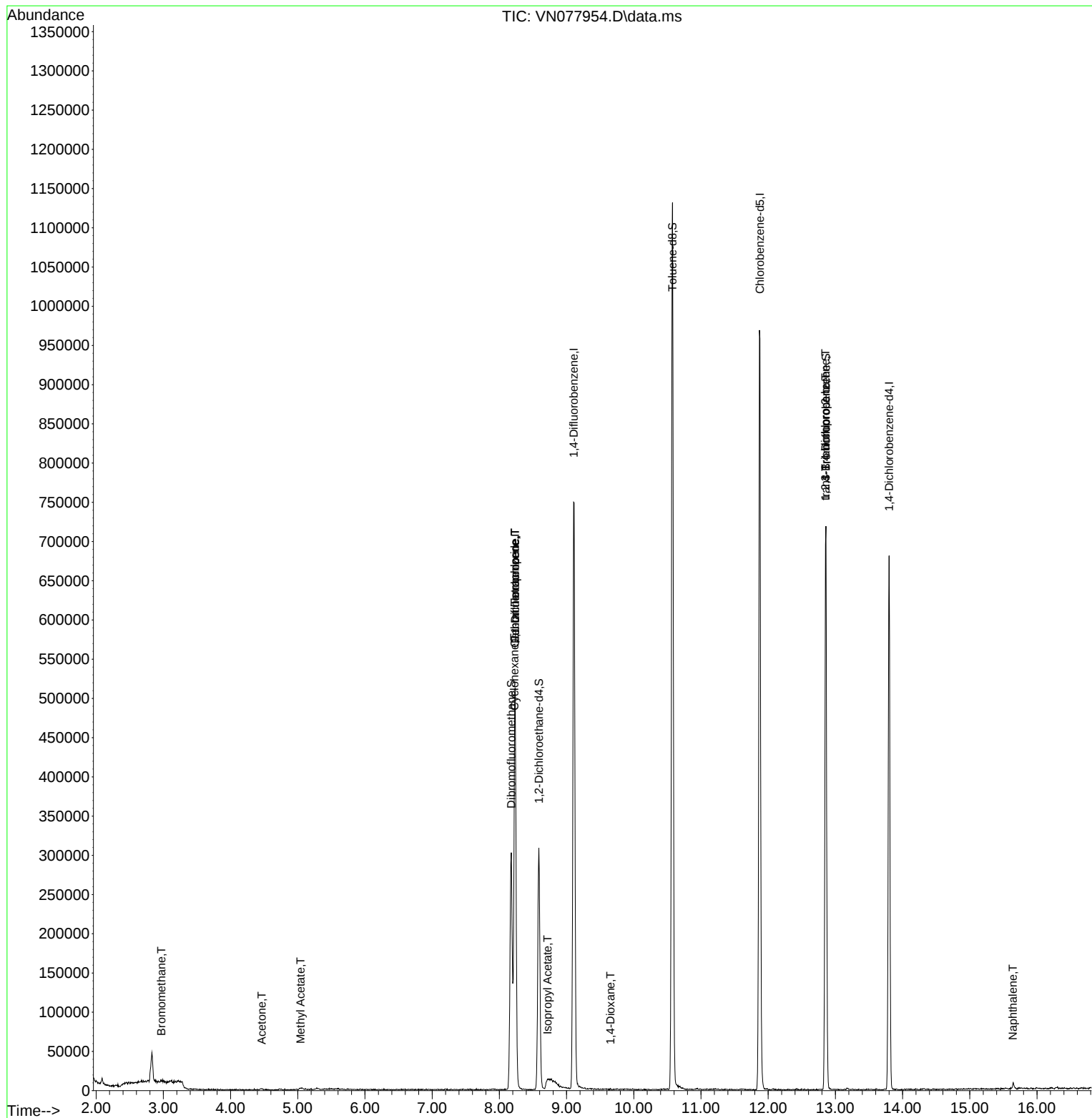
Internal Standards						
1) Pentafluorobenzene	8.235	168	363577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	677376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	582001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	179984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	251667	46.262	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.520%		
35) Dibromofluoromethane	8.177	113	220078	49.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.576	98	830100	48.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.859	95	265834	44.271	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1549	Below Cal	#	42
5) Bromomethane	2.971	94	929	0.241	ug/l	84
13) Acrolein	4.218	56	182	Below Cal	#	53
16) Acetone	4.465	43	1659	0.969	ug/l	# 40
18) Methyl Acetate	5.041	43	2810	0.391	ug/l	# 71
20) Methylene Chloride	5.283	84	791	Below Cal	#	80
31) Cyclohexane	8.224	56	8286	1.121	ug/l	# 25
36) 1,1-Dichloropropene	8.235	75	31703	4.907	ug/l	# 47
38) Carbon Tetrachloride	8.229	117	40447	6.200	ug/l	# 17
43) Isopropyl Acetate	8.718	43	12110	1.287	ug/l	# 49
49) 1,4-Dioxane	9.653	88	65	0.772	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	139117	30.864	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	139117	98.657	ug/l	# 15
95) Naphthalene	15.641	128	6404	0.520	ug/l	# 94

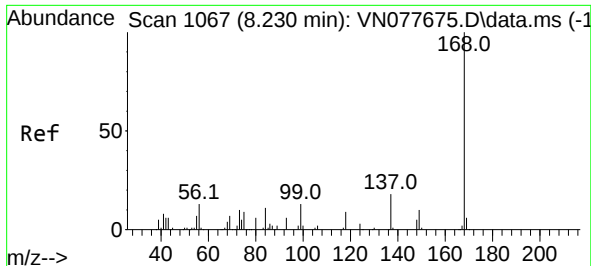
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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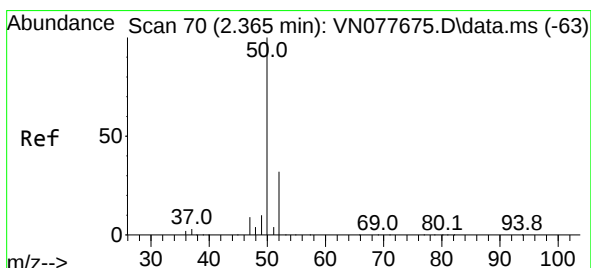
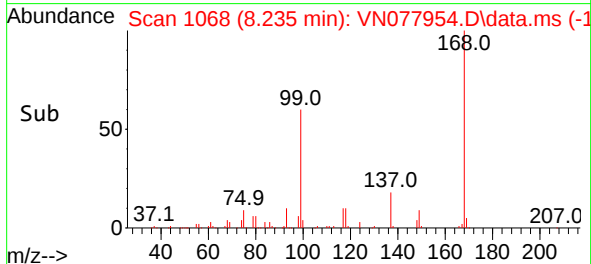
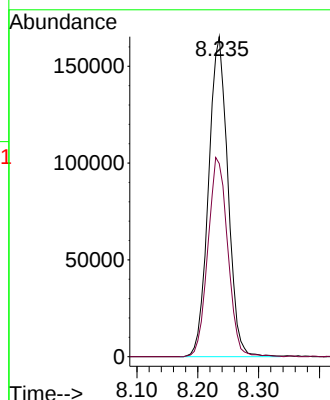
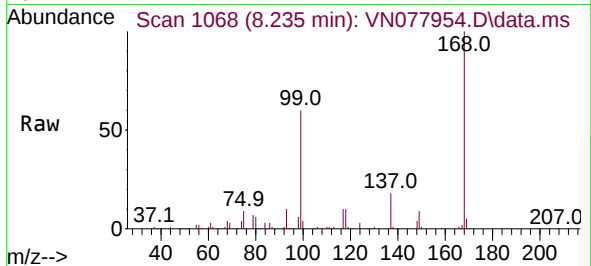




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

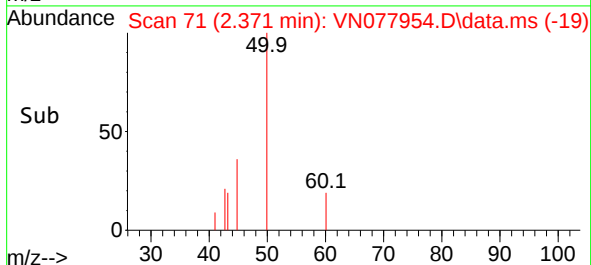
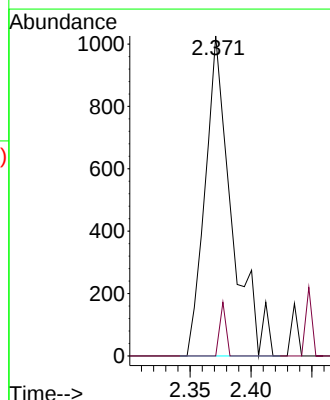
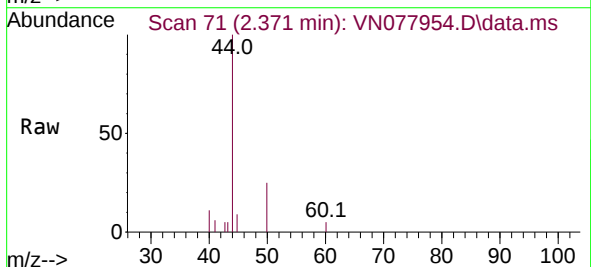
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

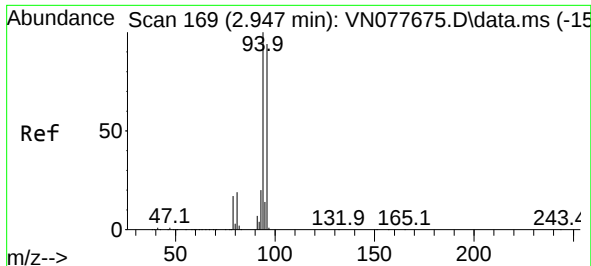
Tgt Ion:168 Resp: 363577
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 50 Resp: 1549
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

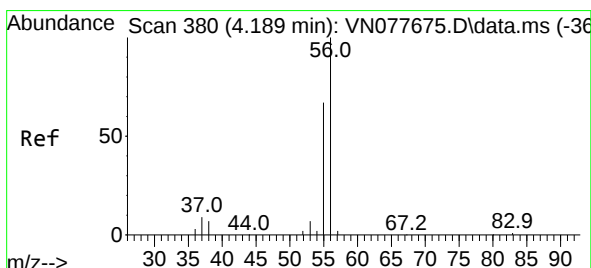
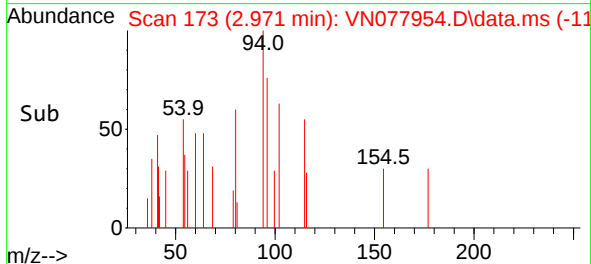
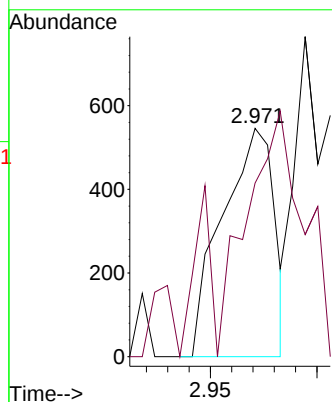
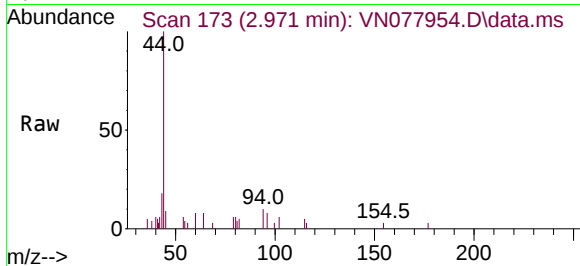




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

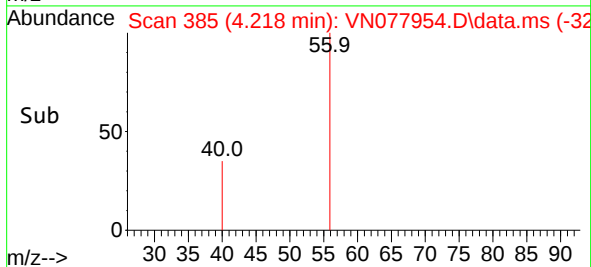
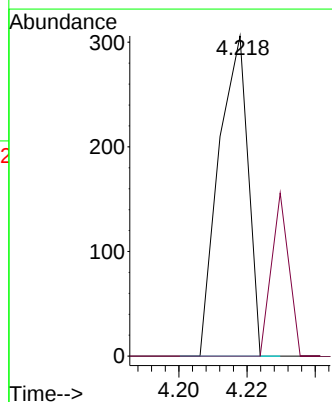
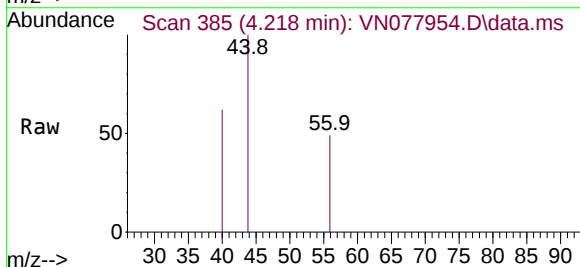
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

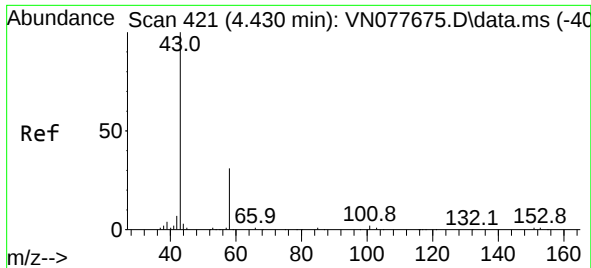
Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 76.0 73.1 109.7



#13
Acrolein
Concen: Below Cal
RT: 4.218 min Scan# 385
Delta R.T. 0.029 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 30.2 54.5 81.7#

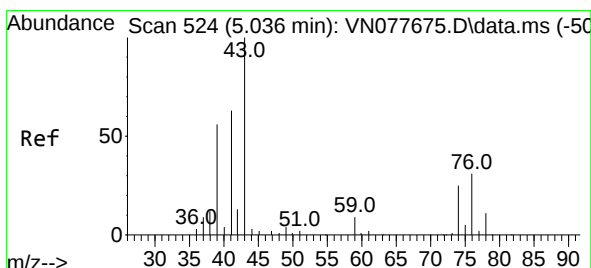
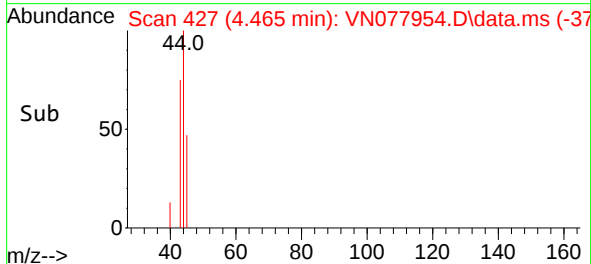
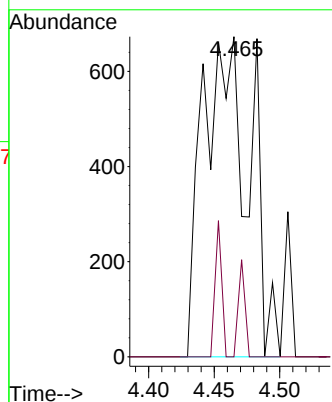
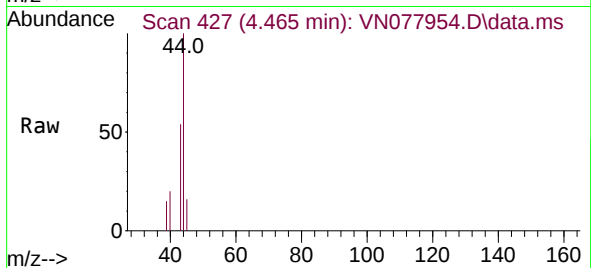




#16
Acetone
Concen: 0.969 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

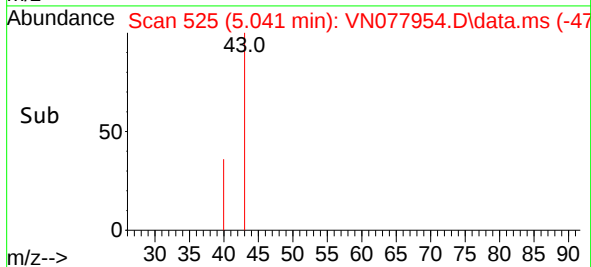
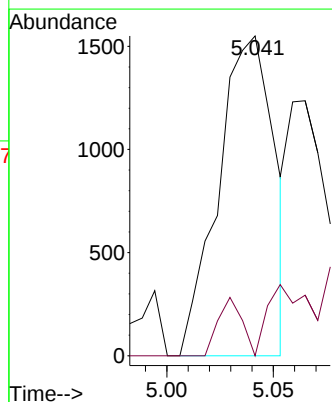
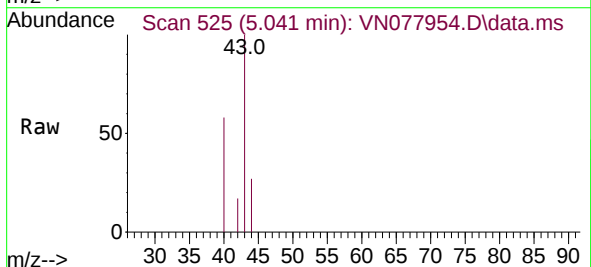
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

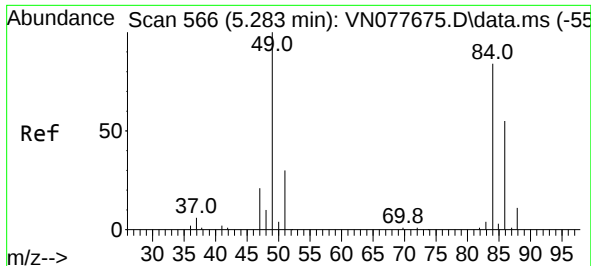
Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.391 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
74 16.4 26.2 39.4#

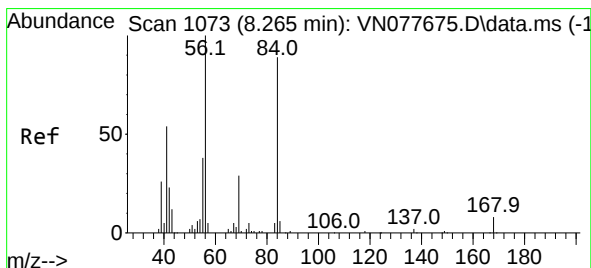
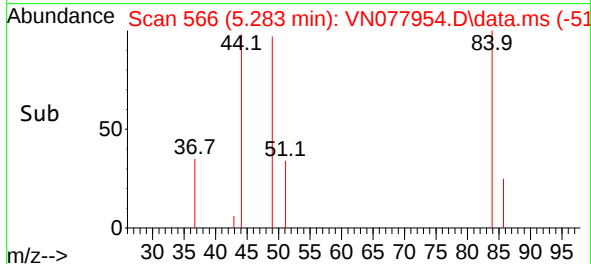
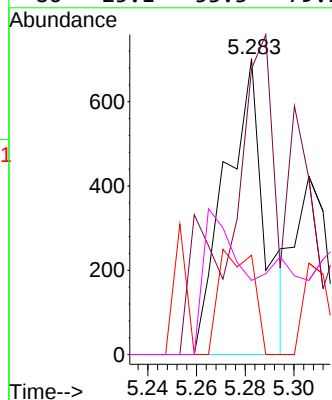
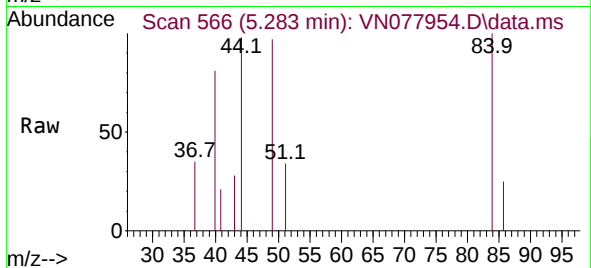




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

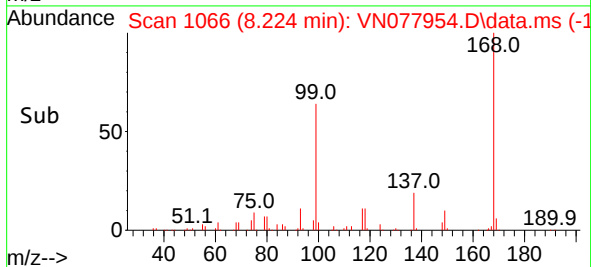
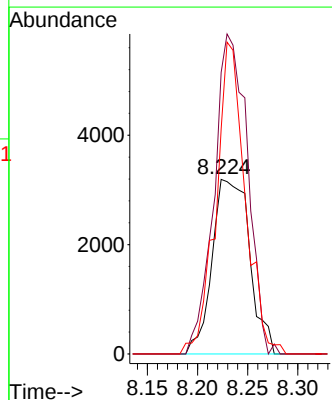
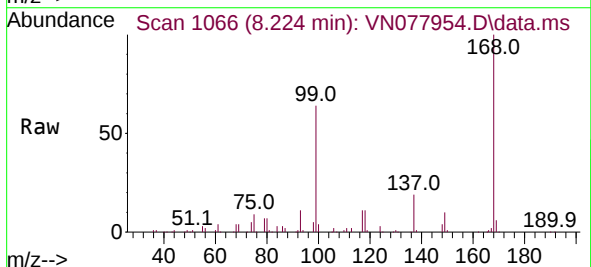
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

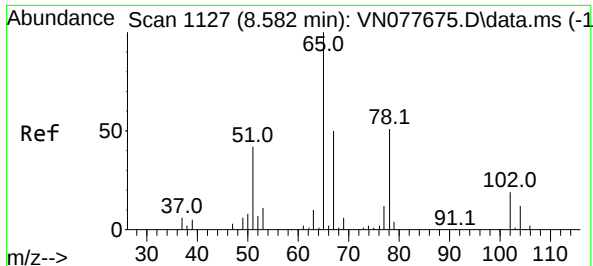
Tgt Ion:	84	Resp:	791
Ion	Ratio	Lower	Upper
84	100		
49	96.6	79.7	119.5
51	33.6	25.2	37.8
86	25.1	53.3	79.9#



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion:	56	Resp:	8286
Ion	Ratio	Lower	Upper
56	100		
69	161.2	26.8	40.2#
84	128.8	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 46.262 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077954.D

Acq: 27 May 2023 04:03

Instrument :

MSVOA_N

ClientSampleId :

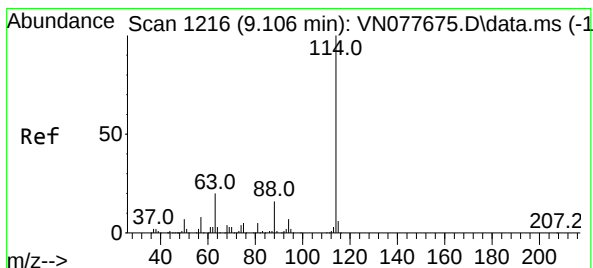
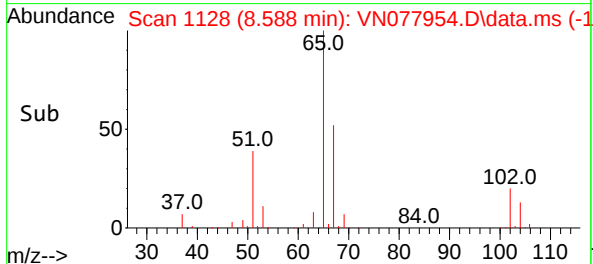
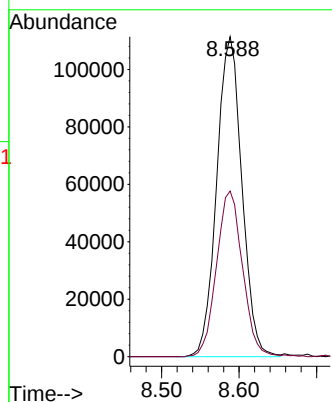
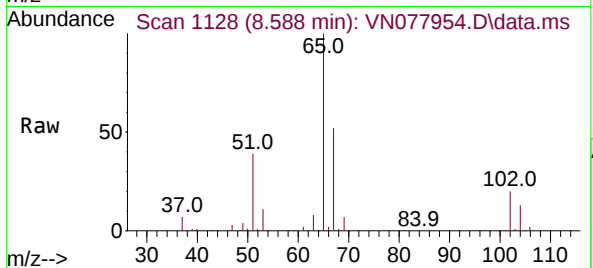
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 251667

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077954.D

Acq: 27 May 2023 04:03

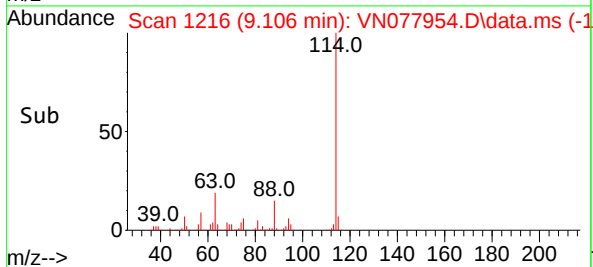
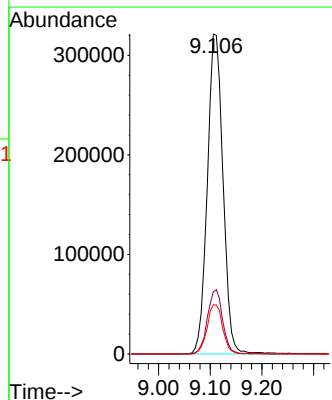
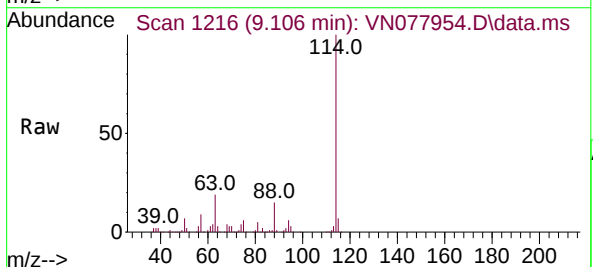
Tgt Ion: 114 Resp: 677376

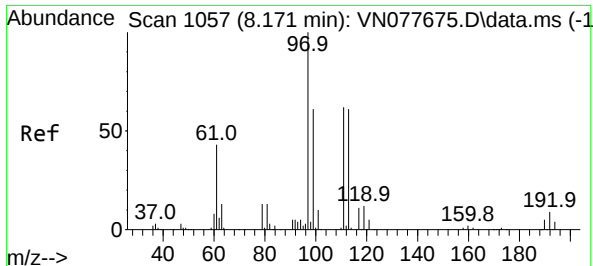
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.824 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077954.D

Acq: 27 May 2023 04:03

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

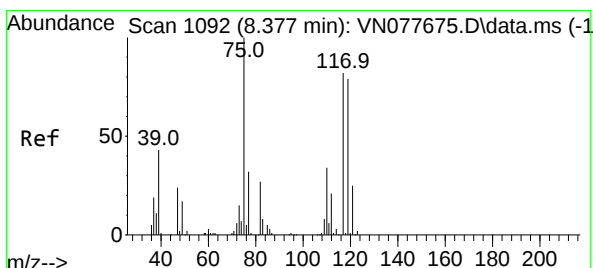
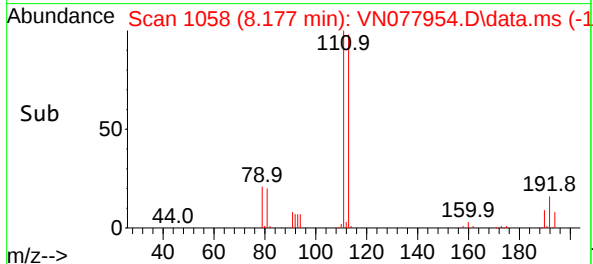
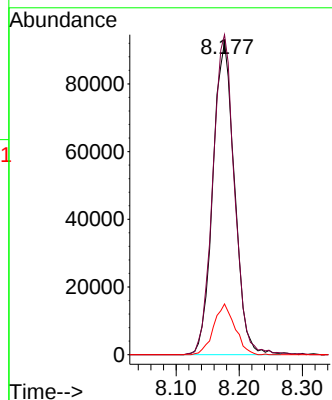
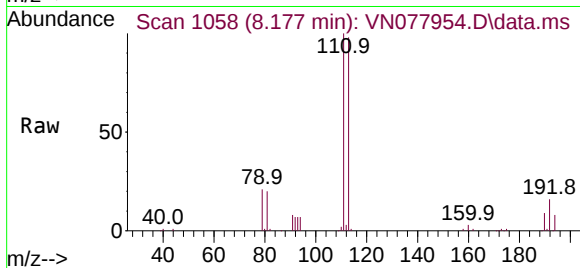
Tgt Ion:113 Resp: 220078

Ion Ratio Lower Upper

113 100

111 102.5 82.6 123.8

192 15.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077954.D

Acq: 27 May 2023 04:03

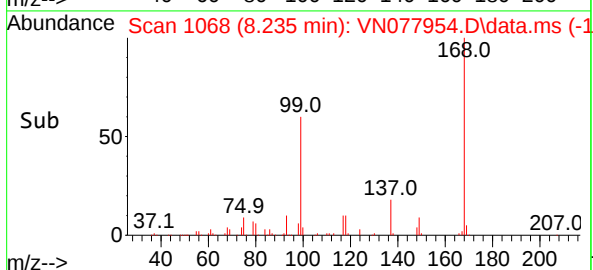
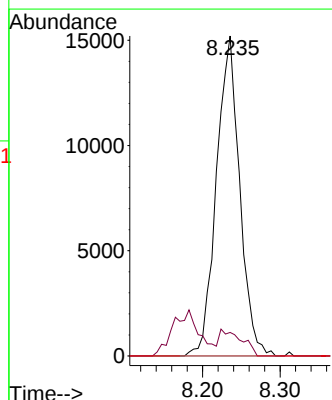
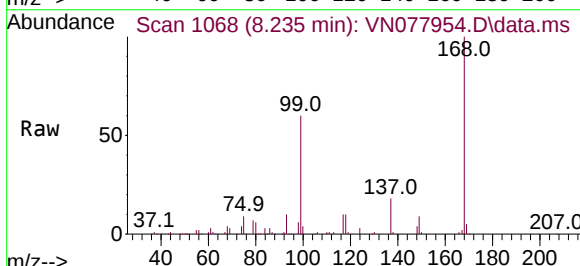
Tgt Ion: 75 Resp: 31703

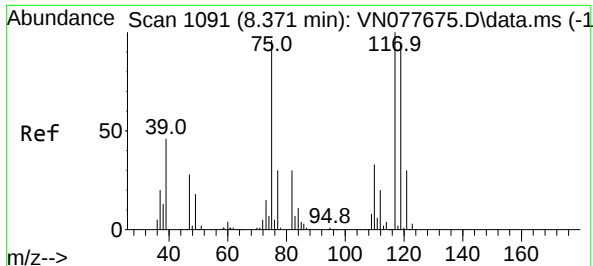
Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

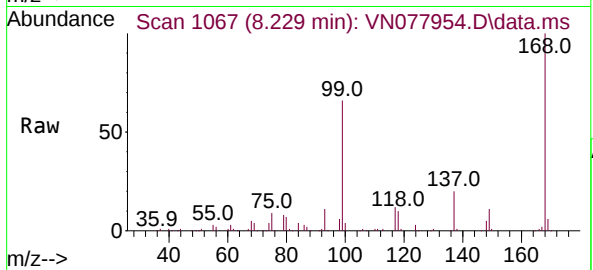
77 0.0 25.0 37.4#



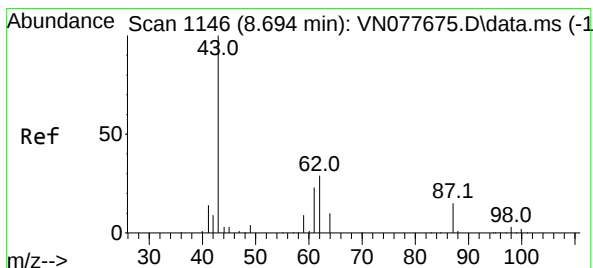
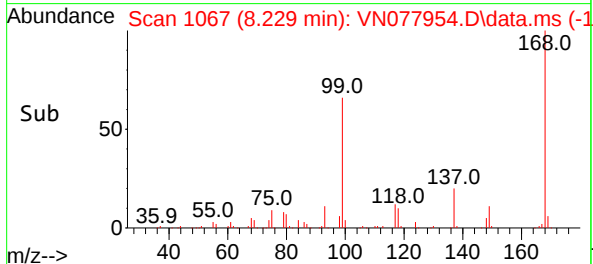
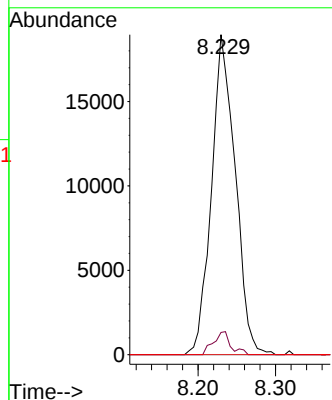


#38
Carbon Tetrachloride
Concen: 6.200 ug/l
RT: 8.229 min Scan# 1150
Delta R.T. -0.142 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

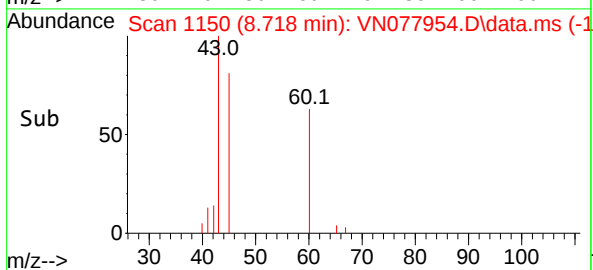
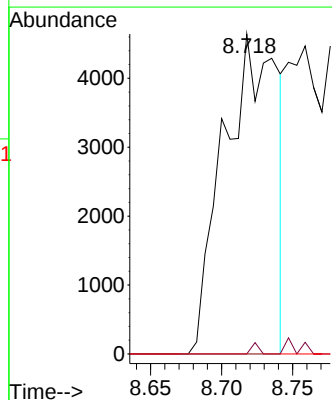
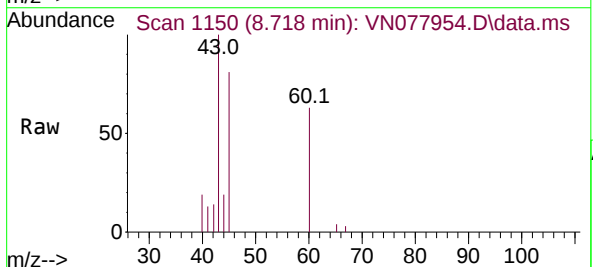


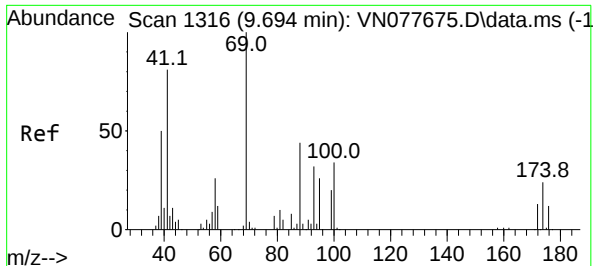
Tgt Ion:117 Resp: 40447
Ion Ratio Lower Upper
117 100
119 7.0 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.287 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.024 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 43 Resp: 12110
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.772 ug/l

RT: 9.653 min Scan# 11

Delta R.T. -0.041 min

Lab File: VN077954.D

Acq: 27 May 2023 04:03

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

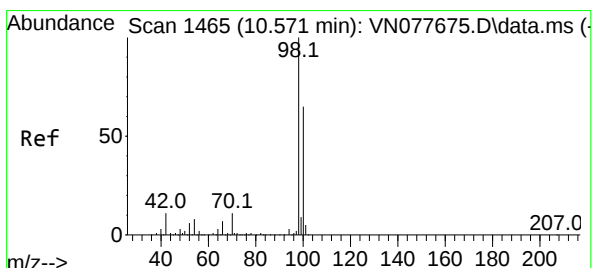
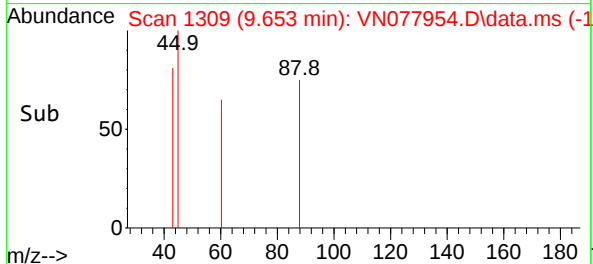
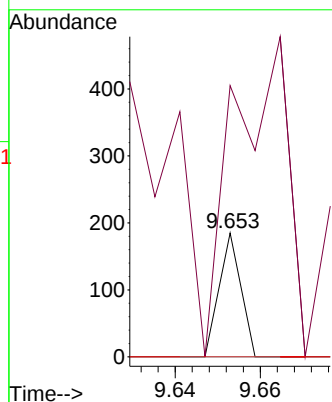
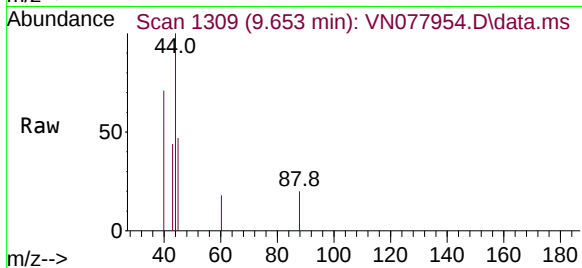
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 646.2 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.824 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077954.D

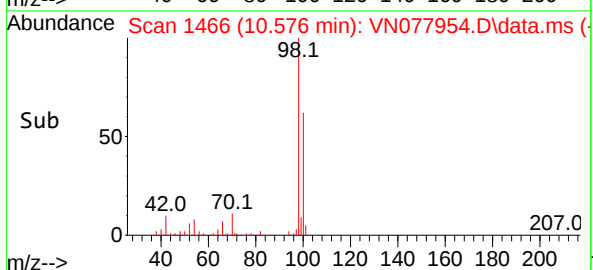
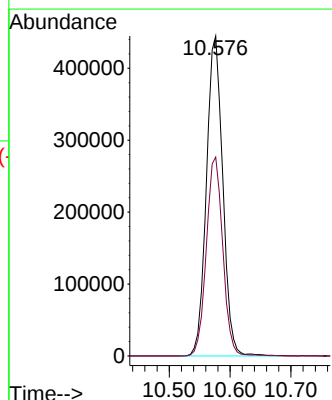
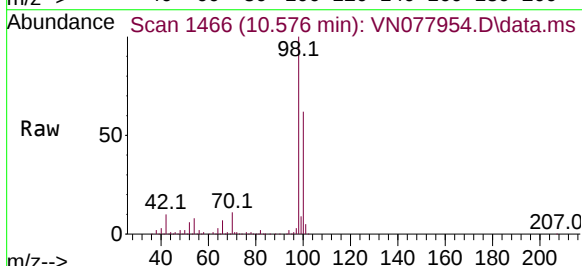
Acq: 27 May 2023 04:03

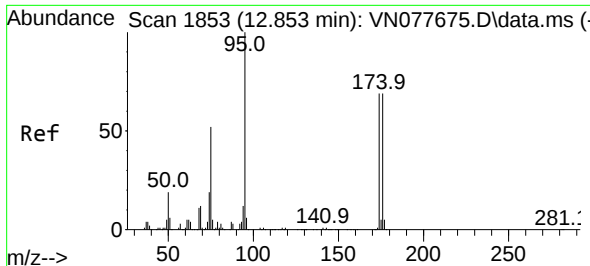
Tgt Ion: 98 Resp: 830100

Ion Ratio Lower Upper

98 100

100 62.6 52.0 78.0

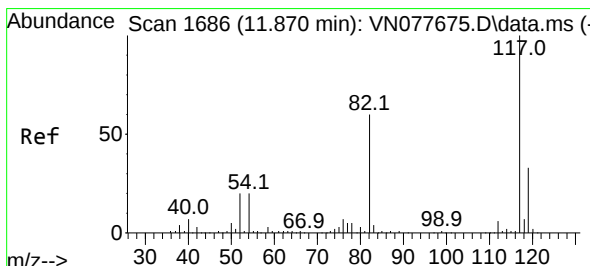
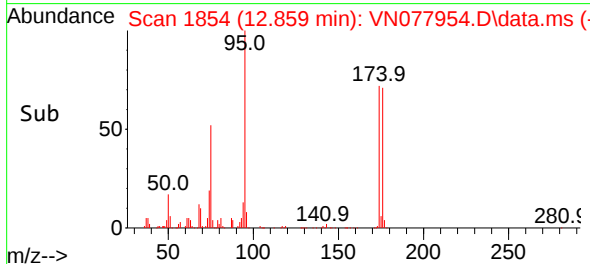
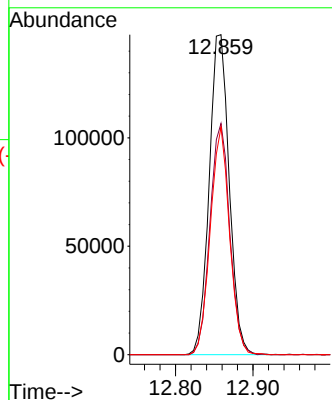
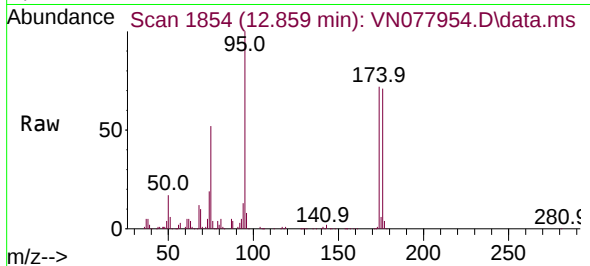




#62
4-Bromofluorobenzene
Concen: 44.271 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

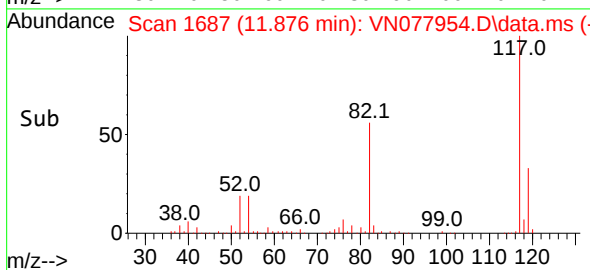
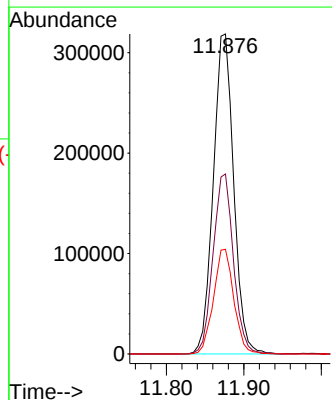
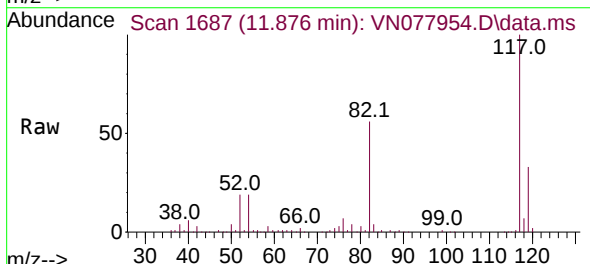
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

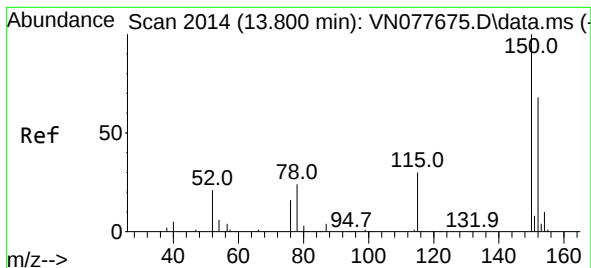
Tgt Ion: 95 Resp: 265834
Ion Ratio Lower Upper
95 100
174 71.5 0.0 143.8
176 68.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 117 Resp: 582001
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 32.7 25.6 38.4

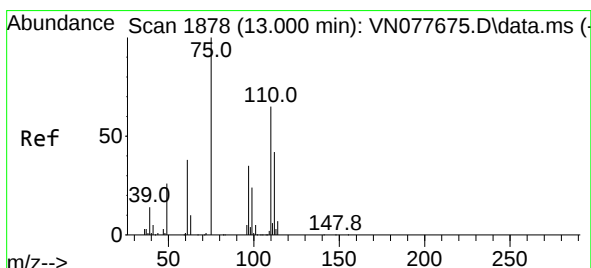
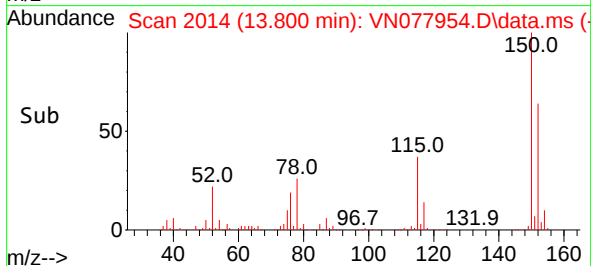
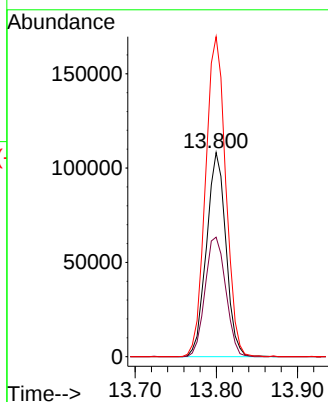
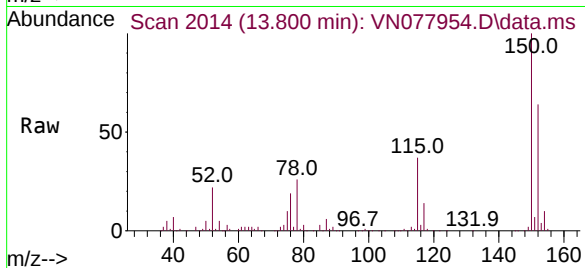




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

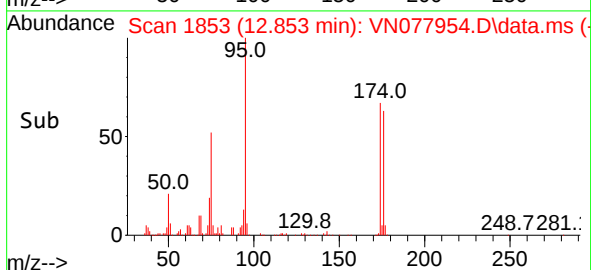
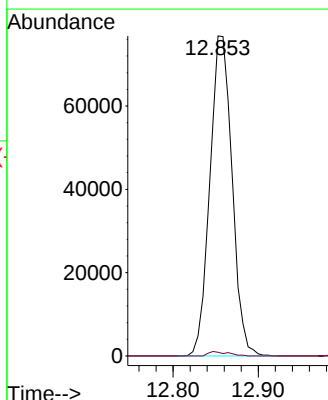
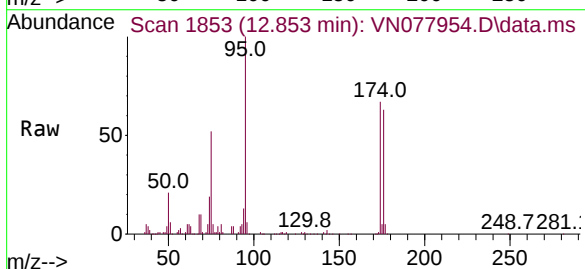
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

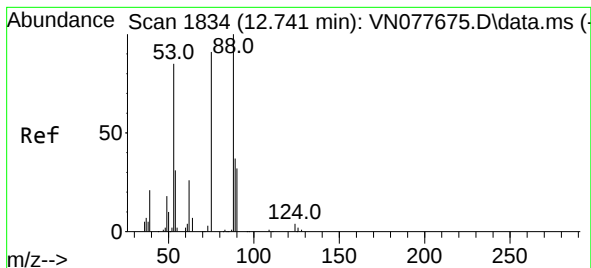
Tgt Ion:152 Resp: 179984
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 162.8 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 30.864 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion: 75 Resp: 139117
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#

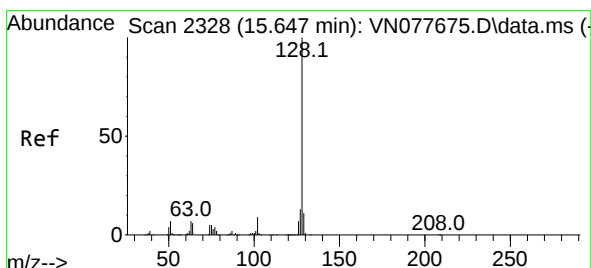
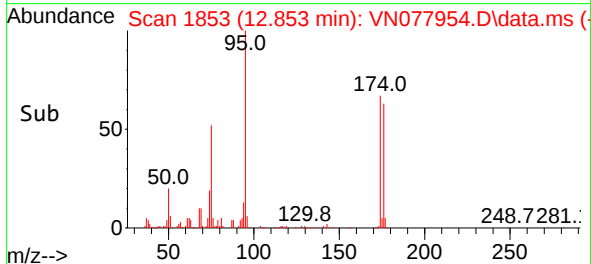
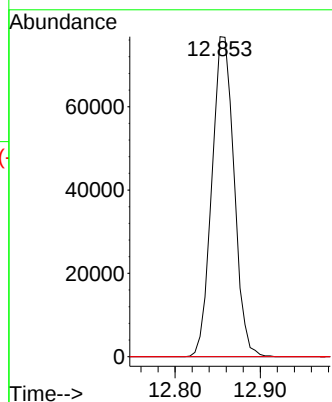
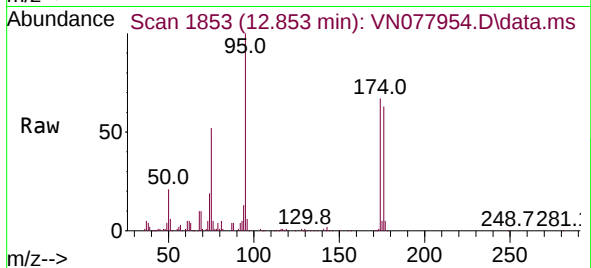




#81
trans-1,4-Dichloro-2-butene
Concen: 98.657 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 139117
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 0.520 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN077954.D
Acq: 27 May 2023 04:03

Tgt Ion:128 Resp: 6404
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 8.3 8.7 13.1#

