

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\
 Data File : VX025323.D
 Acq On : 24 Nov 2021 13:52
 Operator : JC/MD
 Sample : M4784-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 26 10:33:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

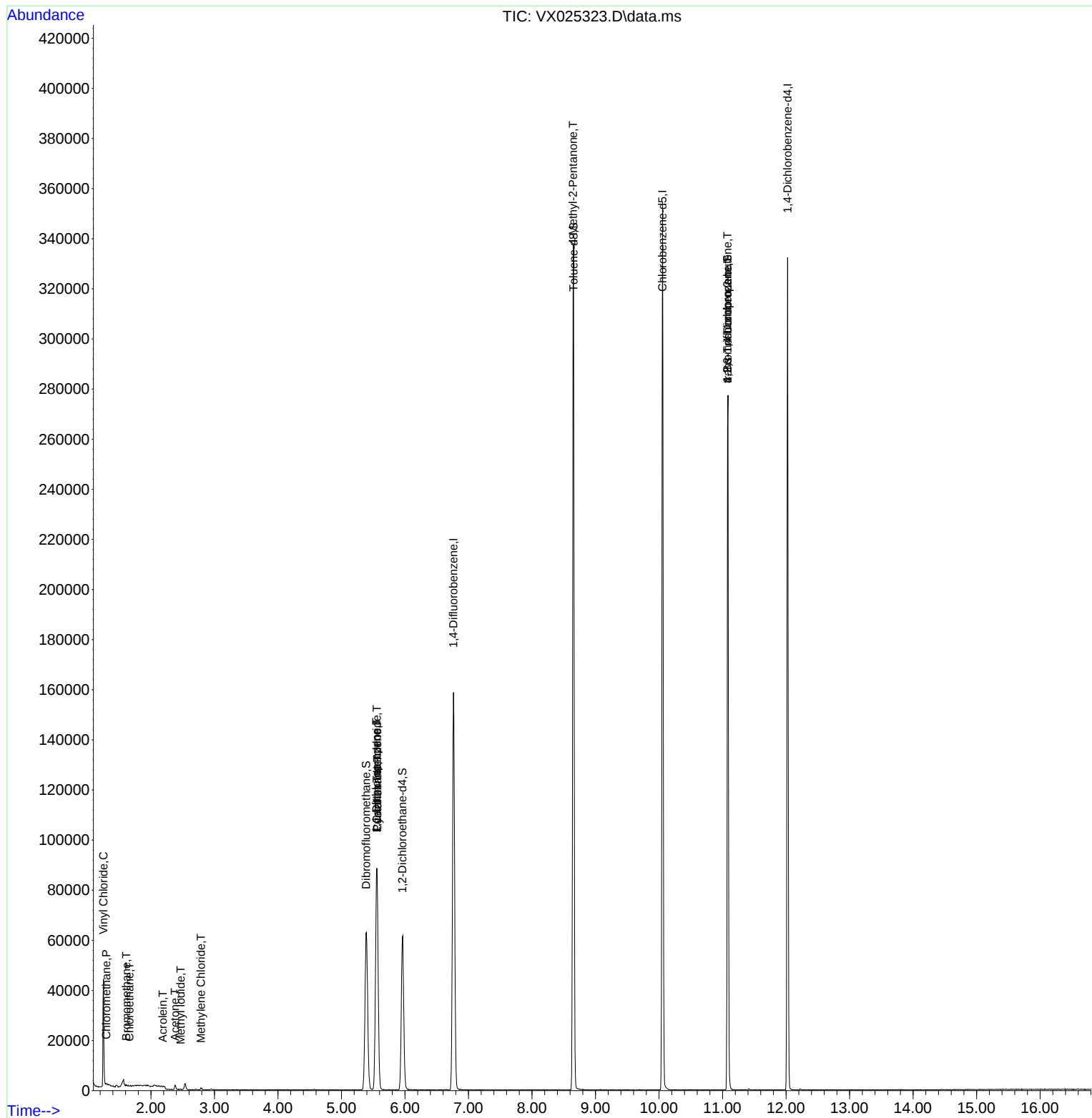
Internal Standards						
1) Pentafluorobenzene	5.562	168	92243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56773	58.390	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 116.780%		
35) Dibromofluoromethane	5.385	113	55630	53.361	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.720%		
50) Toluene-d8	8.653	98	202078	51.554	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.100%		
62) 4-Bromofluorobenzene	11.079	95	75444	50.877	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.760%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	276	0.279	ug/l	91
4) Vinyl Chloride	1.252	62	343	0.316	ug/l #	1
5) Bromomethane	1.611	94	212	0.454	ug/l	93
6) Chloroethane	1.660	64	192	0.256	ug/l #	43
10) Methyl Iodide	2.465	142	239	0.223	ug/l #	50
11) Tert butyl alcohol	2.934	59	184	Below Cal	#	72
13) Acrolein	2.185	56	19	0.427	ug/l #	1
16) Acetone	2.380	43	1739	3.219	ug/l	94
20) Methylene Chloride	2.788	84	312	0.307	ug/l #	73
31) Cyclohexane	5.562	56	1741	1.159	ug/l #	25
36) 1,1-Dichloropropene	5.550	75	6213	4.191	ug/l #	49
38) Carbon Tetrachloride	5.556	117	8707	5.333	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	860	0.489	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	36637	25.101	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36637	63.235	ug/l #	9
95) Naphthalene	13.780	128	206	Below Cal	#	69

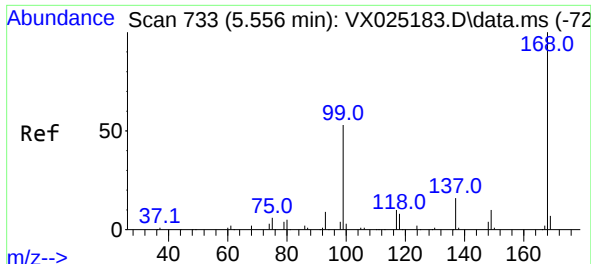
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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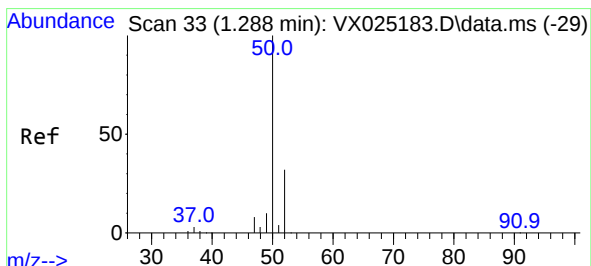
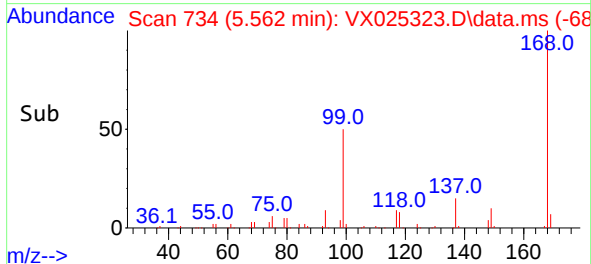
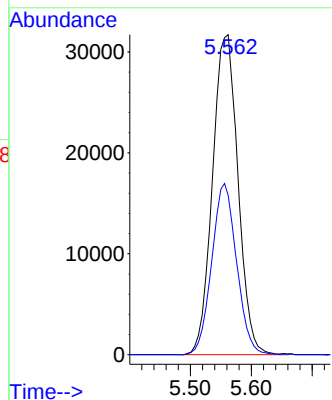
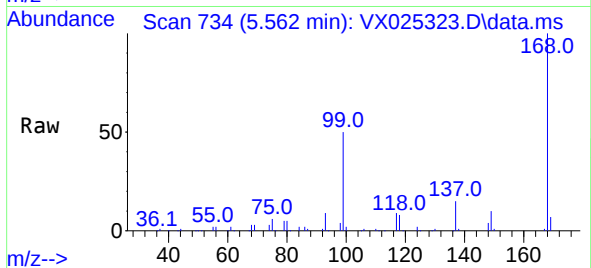




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

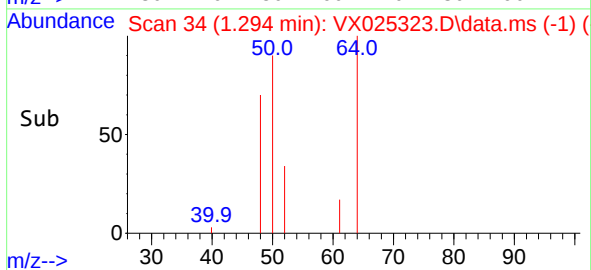
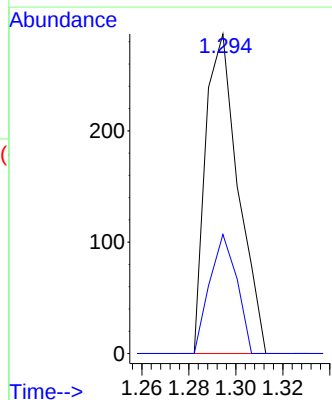
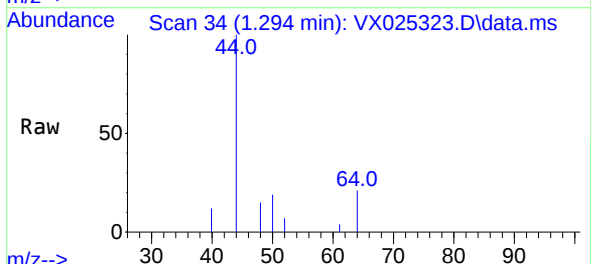
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion:168 Resp: 92243
Ion Ratio Lower Upper
168 100
99 49.7 46.4 69.6

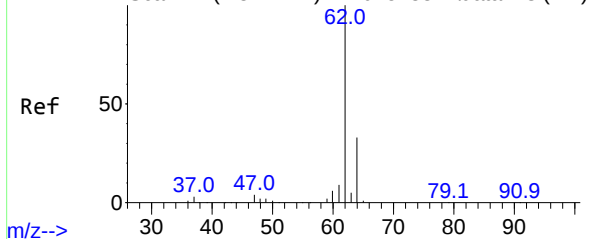


#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 37.3 25.9 38.9



Abundance Scan 47 (1.374 min): VX025183.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.316 ug/l

RT: 1.252 min Scan# 21

Delta R.T. -0.122 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

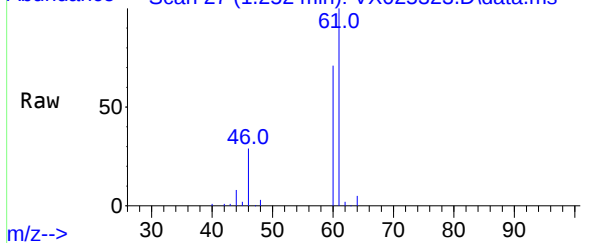
Tgt Ion: 62 Resp: 343

Ion Ratio Lower Upper

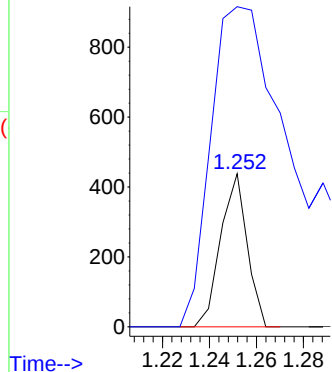
62 100

64 209.1 26.0 39.0#

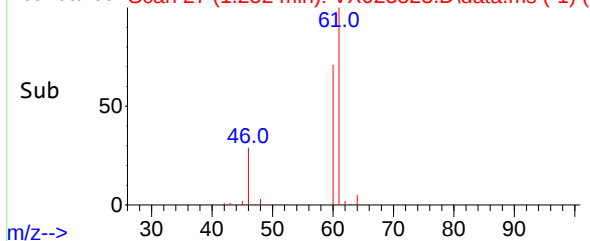
Abundance Scan 27 (1.252 min): VX025323.D\data.ms



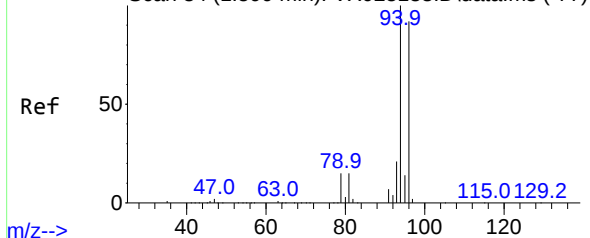
Abundance



Abundance Scan 27 (1.252 min): VX025323.D\data.ms (-1)



Abundance Scan 84 (1.599 min): VX025183.D\data.ms (-77)



#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.611 min Scan# 86

Delta R.T. 0.012 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

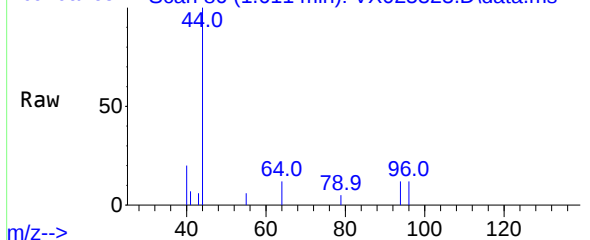
Tgt Ion: 94 Resp: 212

Ion Ratio Lower Upper

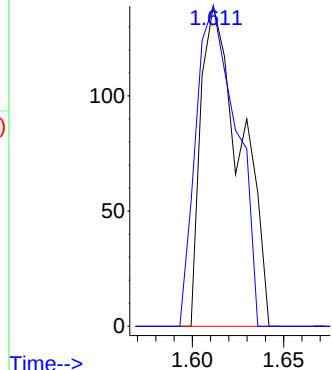
94 100

96 100.0 74.8 112.2

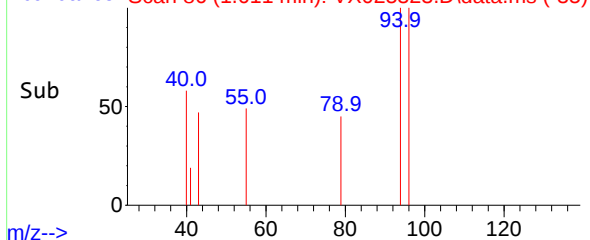
Abundance Scan 86 (1.611 min): VX025323.D\data.ms



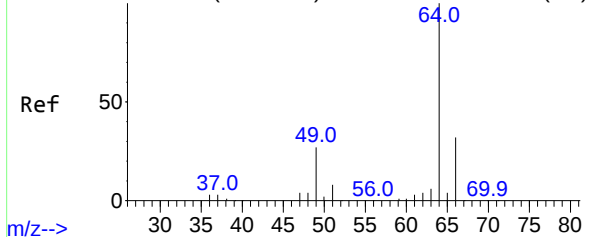
Abundance



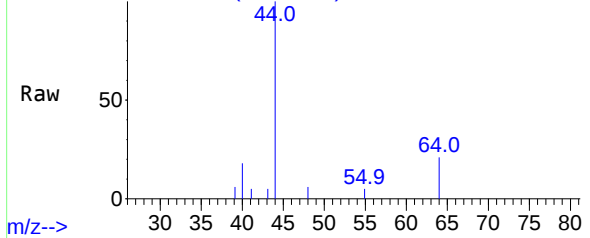
Abundance Scan 86 (1.611 min): VX025323.D\data.ms (-35)



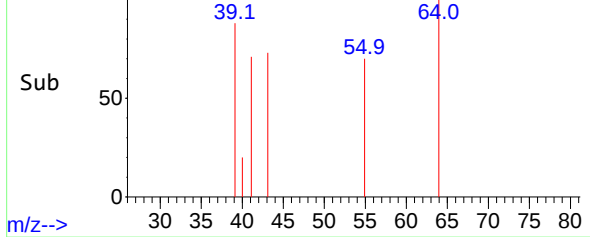
Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



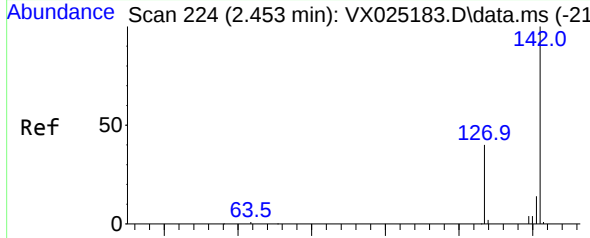
m/z--> Scan 94 (1.660 min): VX025323.D\data.ms



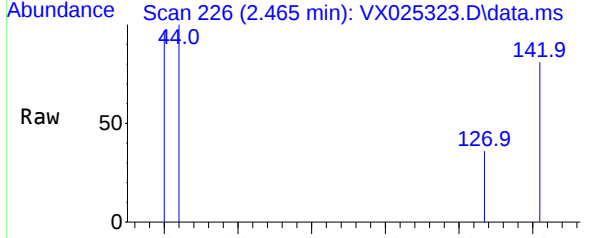
Abundance Scan 94 (1.660 min): VX025323.D\data.ms (-48)



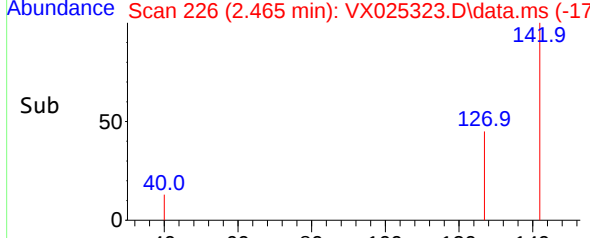
m/z--> Scan 224 (2.453 min): VX025183.D\data.ms (-21)



m/z--> Scan 226 (2.465 min): VX025323.D\data.ms



Abundance Scan 226 (2.465 min): VX025323.D\data.ms (-17)

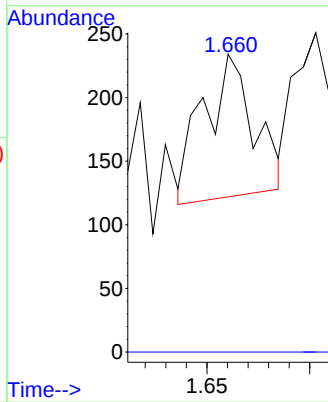


m/z--> Time-->

#6
Chloroethane
Concen: 0.256 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

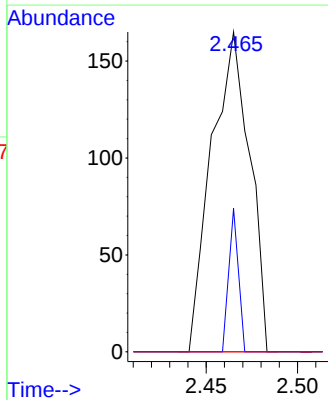
Instrument :
MSVOA_X
ClientSampleId :
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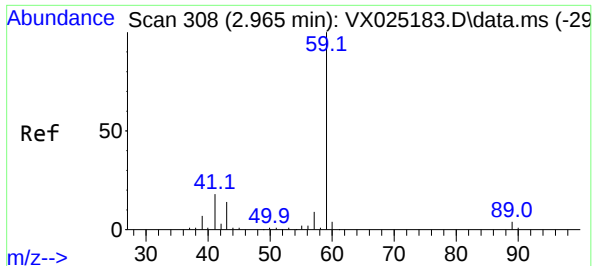
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#10
Methyl Iodide
Concen: 0.223 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 142 Resp: 239
Ion Ratio Lower Upper
142 100
127 11.3 38.9 58.3#
141 0.0 11.7 17.5#

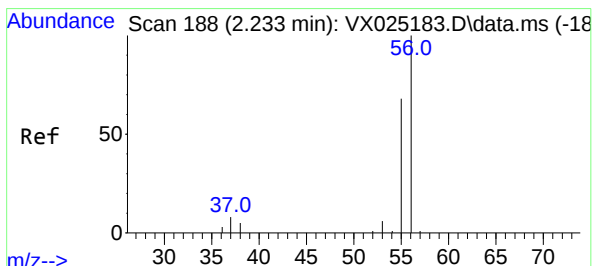
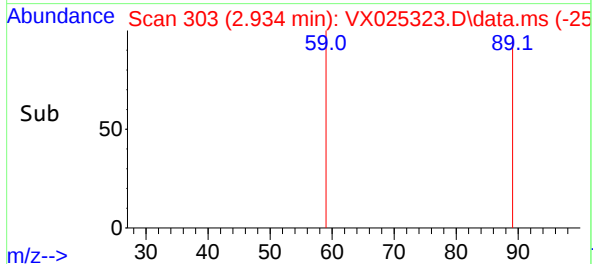
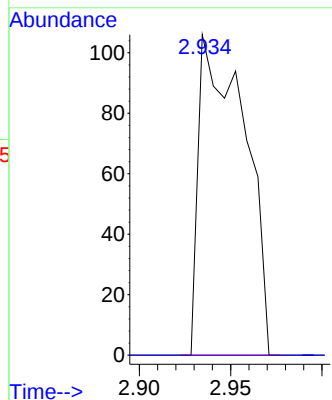
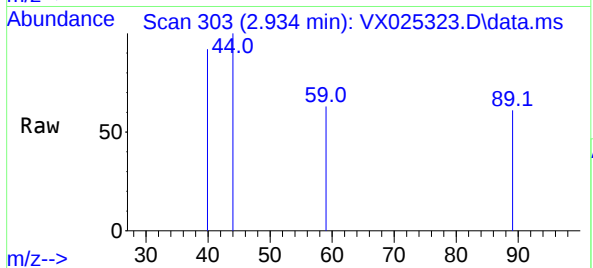




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.934 min Scan# 30
Delta R.T. -0.031 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

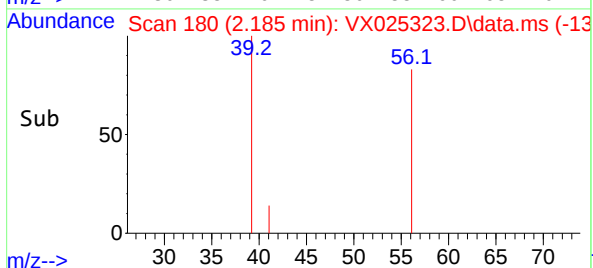
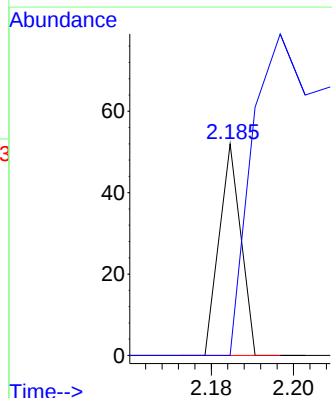
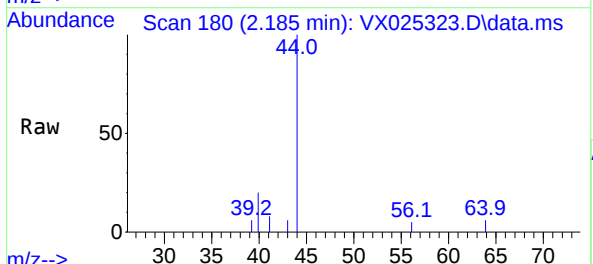
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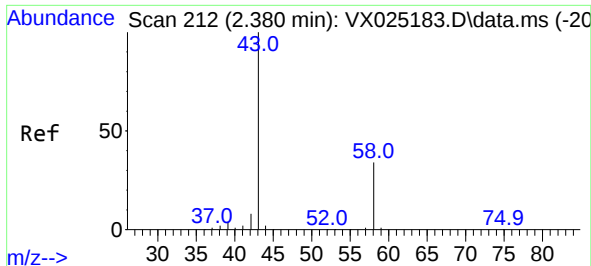
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.427 ug/l
RT: 2.185 min Scan# 180
Delta R.T. -0.048 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 805.3 58.6 87.8#

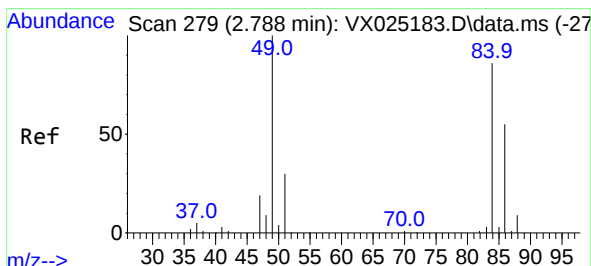
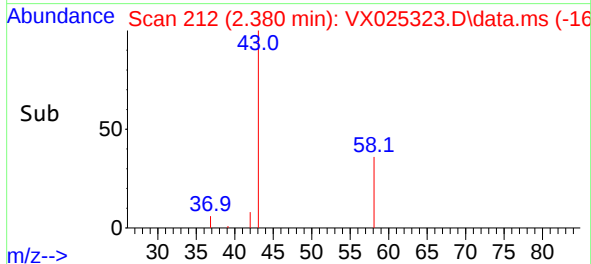
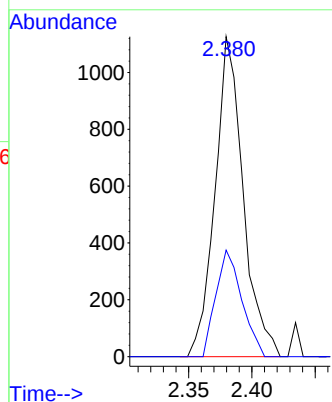
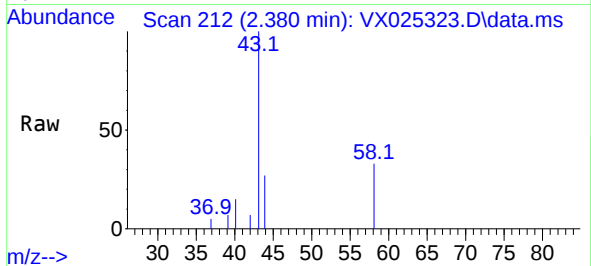




#16
Acetone
Concen: 3.219 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

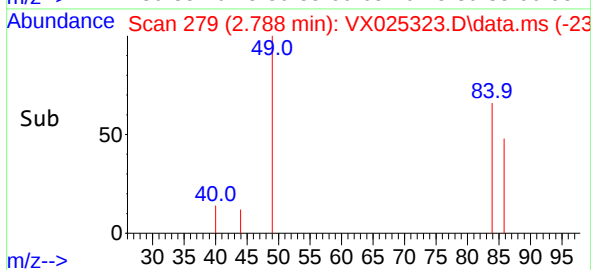
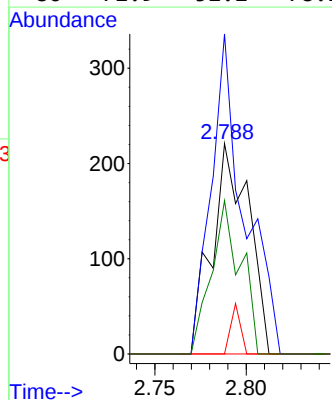
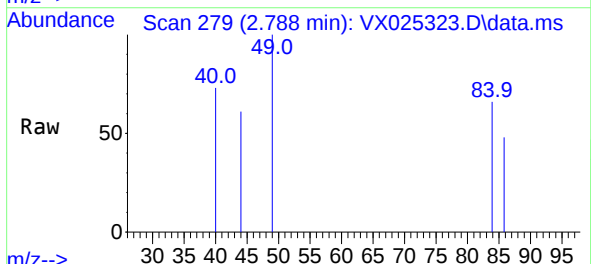
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ClientSampleId : STORAGE-BLANK-WATER-REF-4

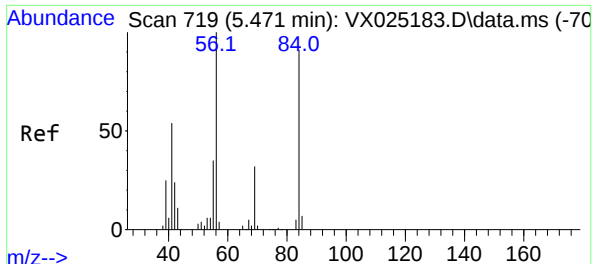
Tgt Ion: 43 Resp: 1739
Ion Ratio Lower Upper
43 100
58 33.3 24.0 36.0



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 152.0 98.2 147.2#
51 0.0 30.2 45.4#
86 72.9 52.2 78.2

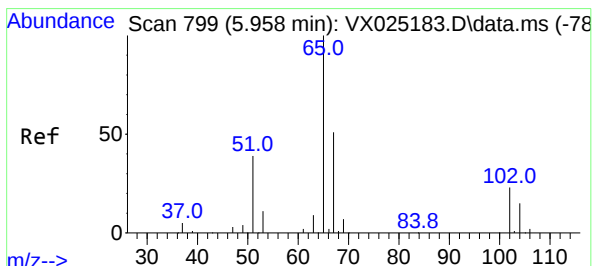
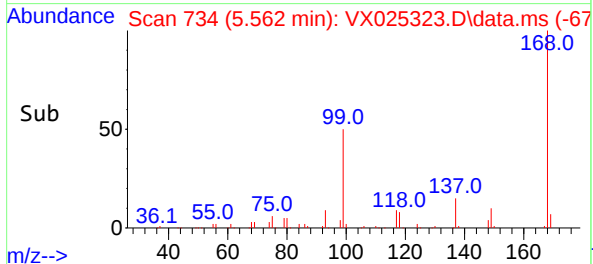
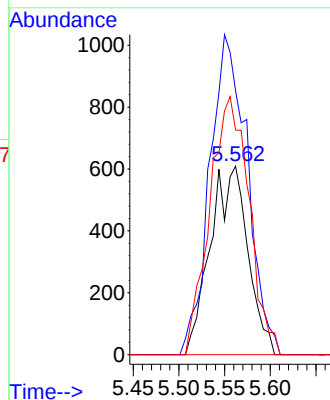
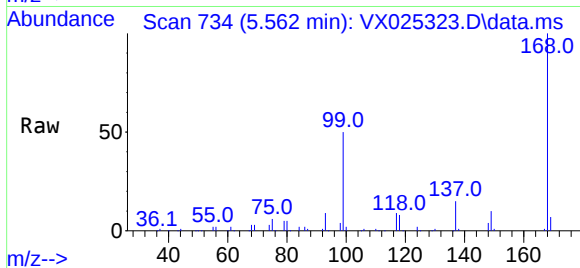




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

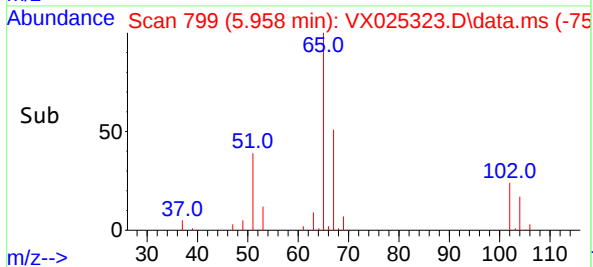
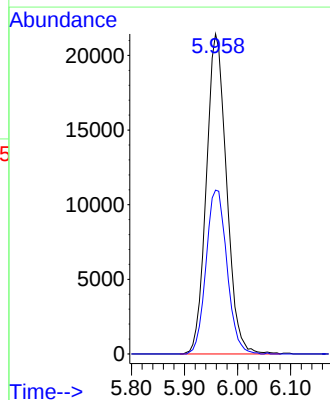
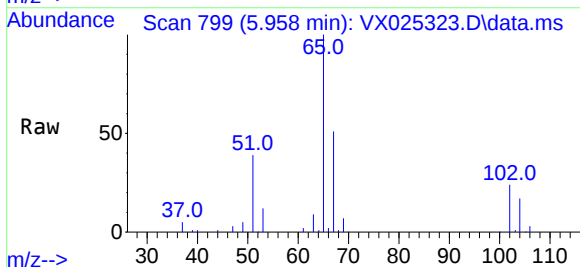
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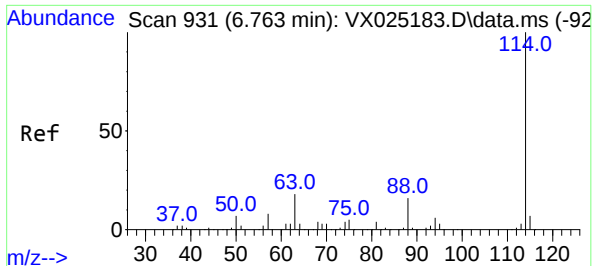
Tgt Ion: 56 Resp: 1741
Ion Ratio Lower Upper
56 100
69 140.1 24.2 36.2#
84 119.2 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 58.390 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 65 Resp: 56773
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

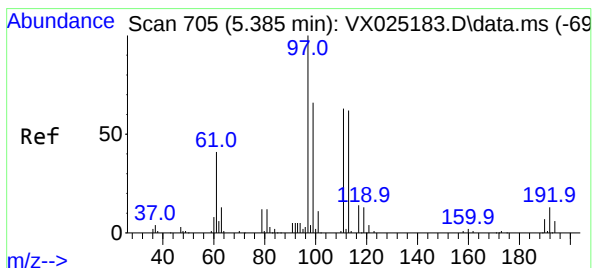
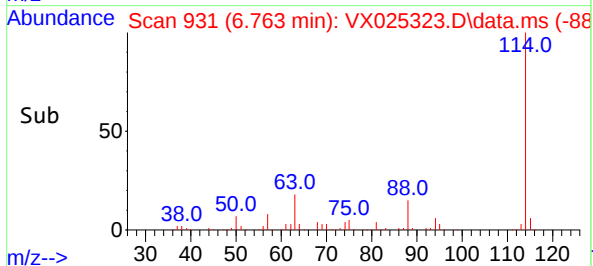
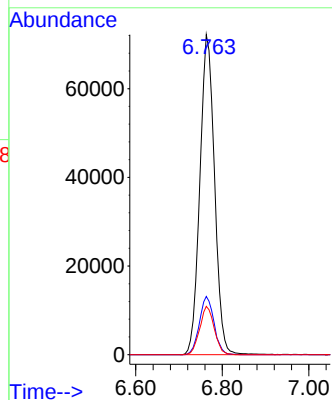
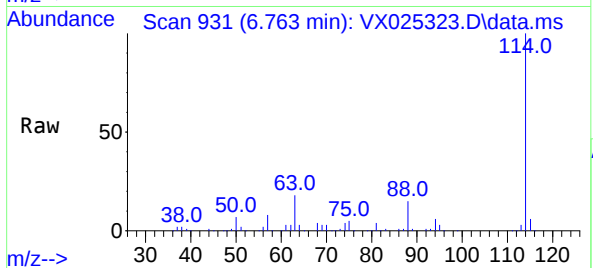
Tgt Ion:114 Resp: 169911

Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 53.361 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

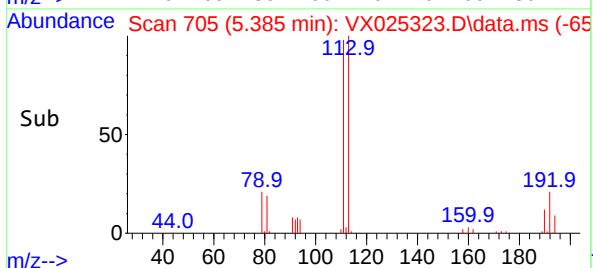
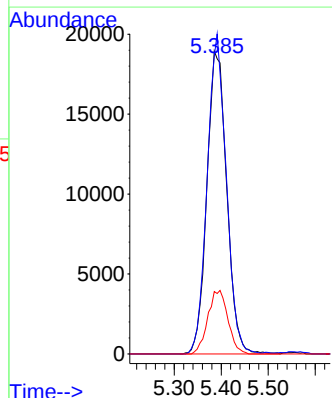
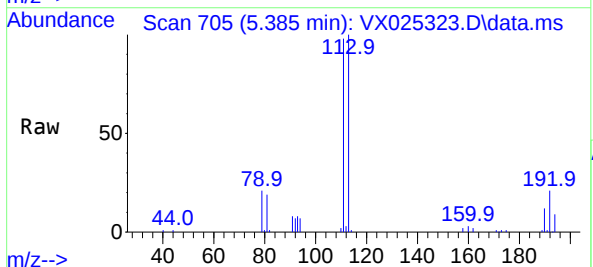
Tgt Ion:113 Resp: 55630

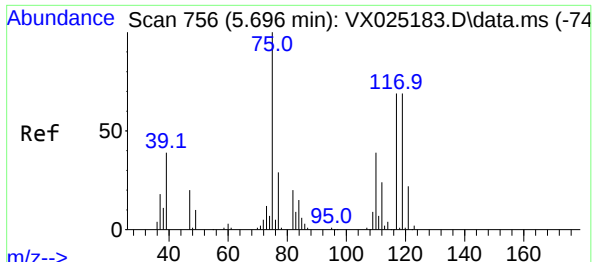
Ion Ratio Lower Upper

113 100

111 101.4 82.1 123.1

192 21.2 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.191 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

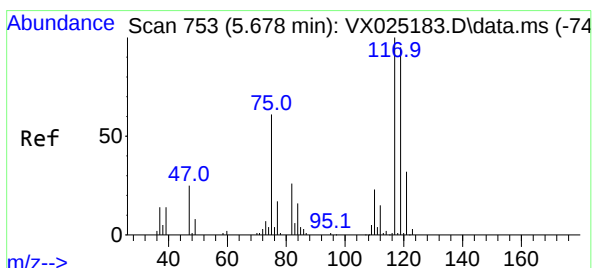
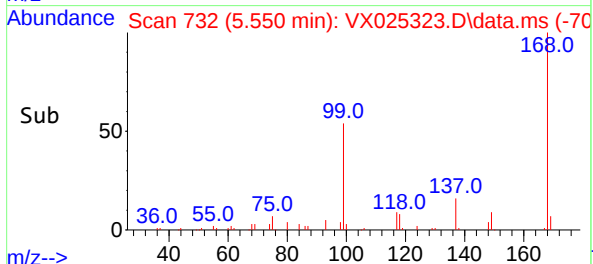
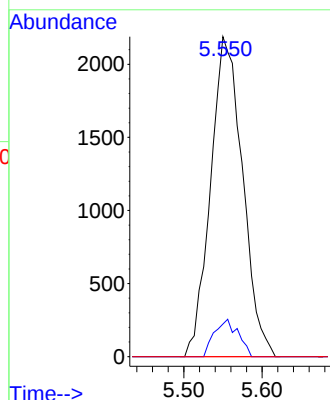
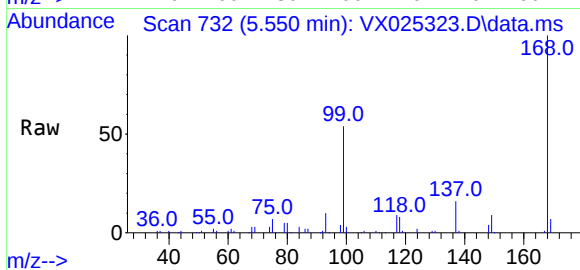
Tgt Ion: 75 Resp: 6213

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.333 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

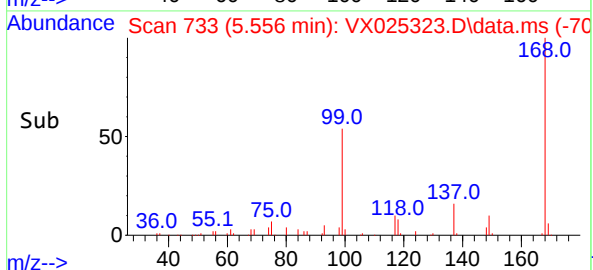
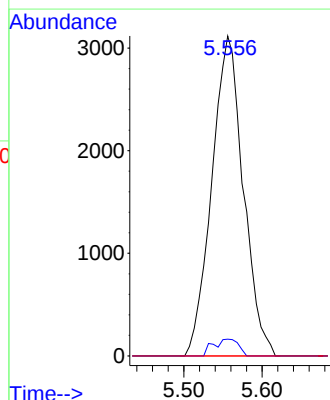
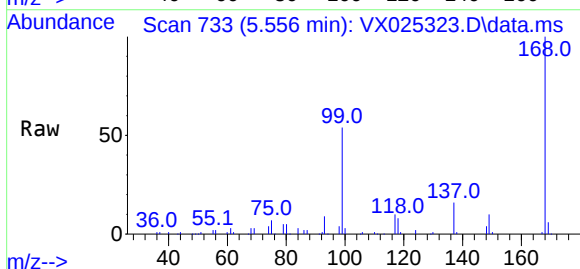
Tgt Ion: 117 Resp: 8707

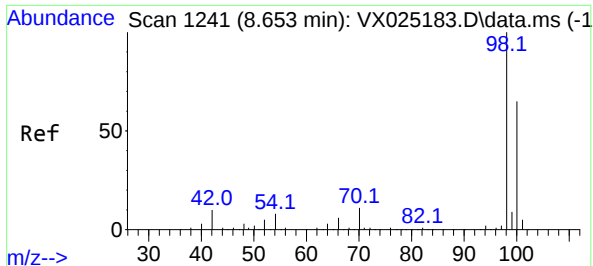
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 51.554 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025323.D

Acq: 24 Nov 2021 13:52

Instrument :

MSVOA_X

ClientSampleId :

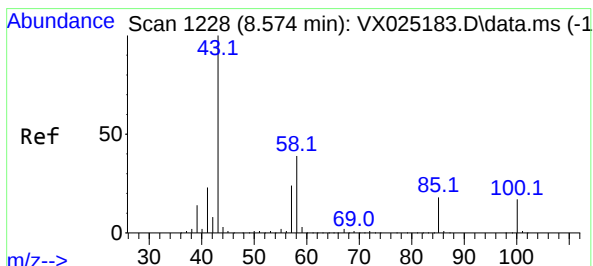
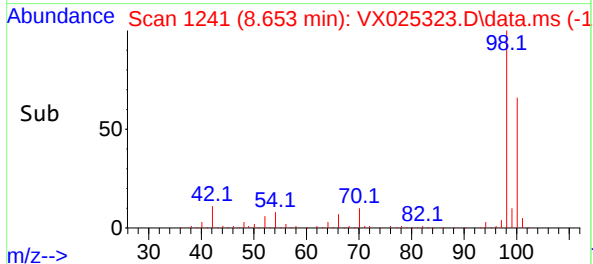
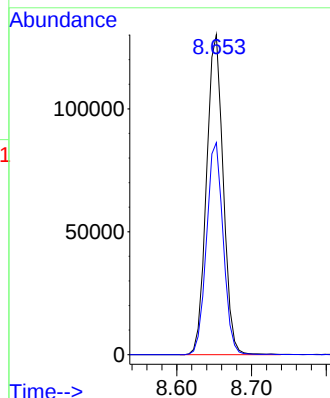
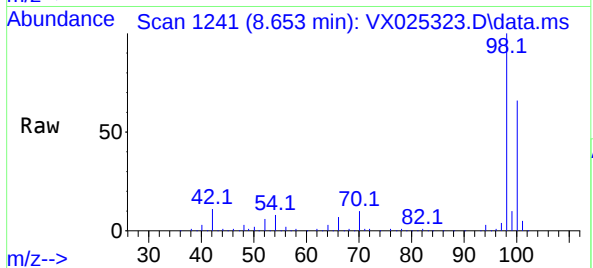
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 98 Resp: 202078

Ion Ratio Lower Upper

98 100

100 66.3 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.489 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025323.D

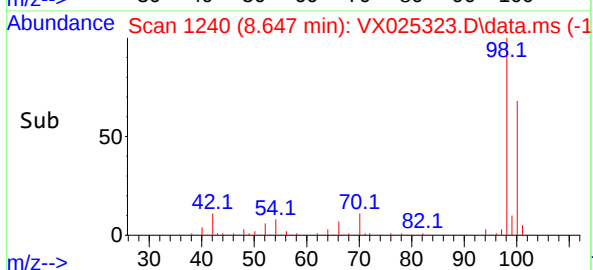
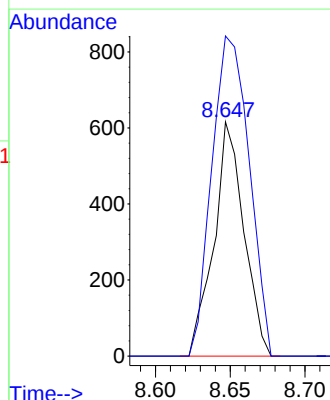
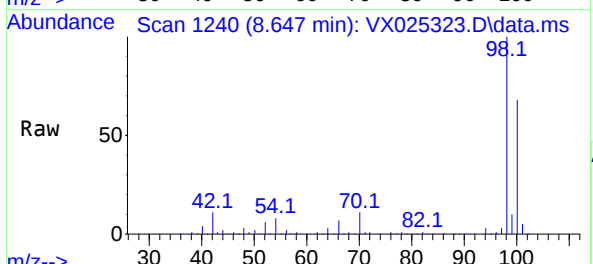
Acq: 24 Nov 2021 13:52

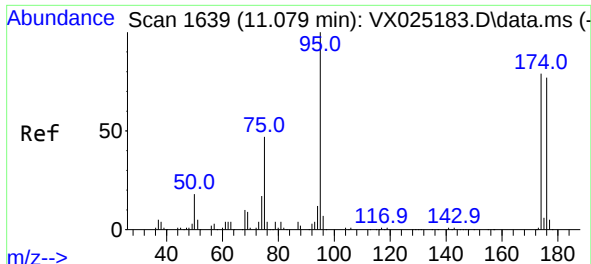
Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

43 100

58 170.3 30.9 46.3#

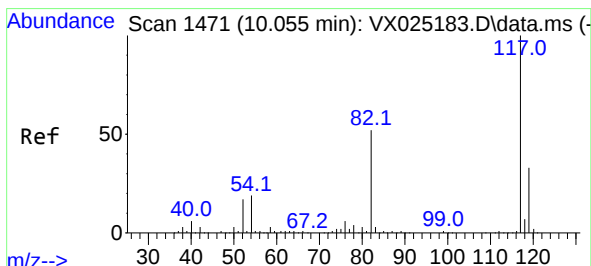
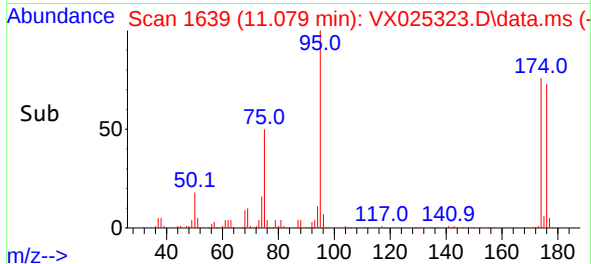
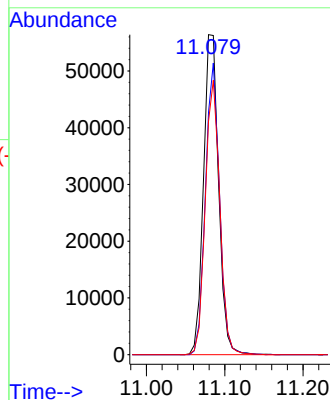
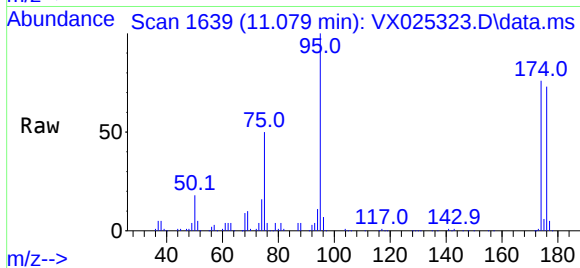




#62
4-Bromofluorobenzene
Concen: 50.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

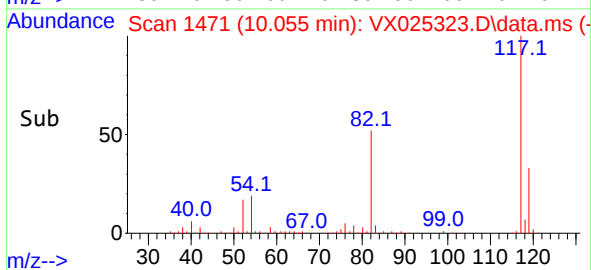
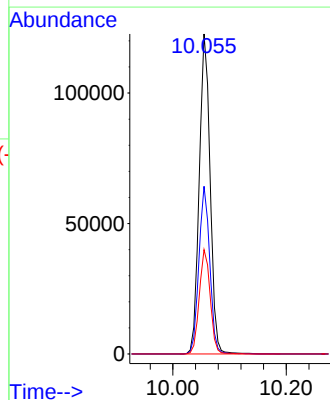
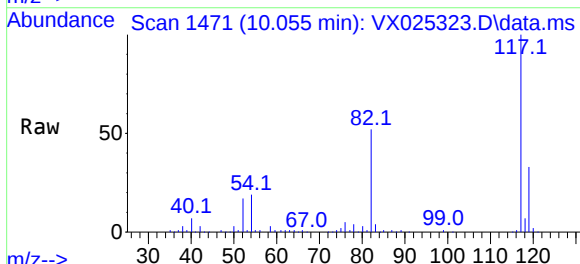
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

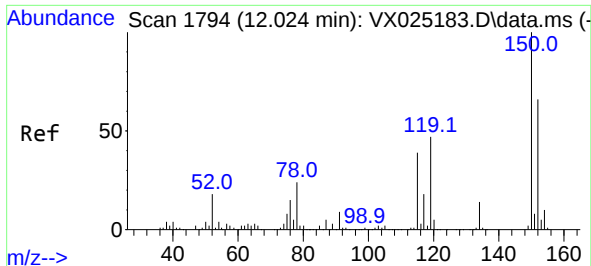
Tgt Ion: 95 Resp: 75444
Ion Ratio Lower Upper
95 100
174 85.5 0.0 158.0
176 82.6 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 117 Resp: 163457
Ion Ratio Lower Upper
117 100
82 52.4 44.6 67.0
119 32.6 24.8 37.2

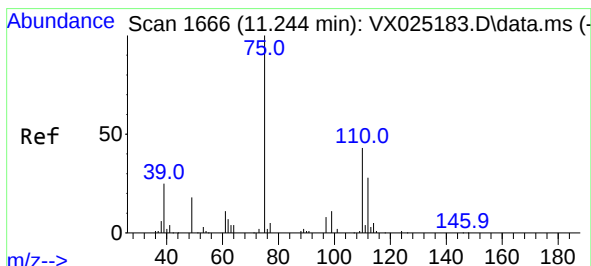
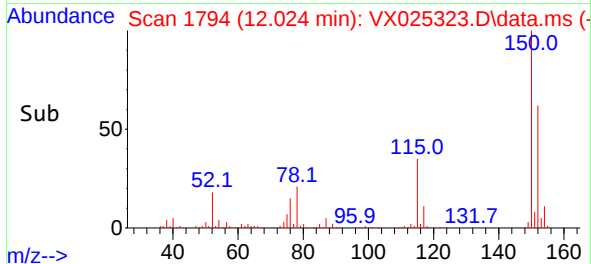
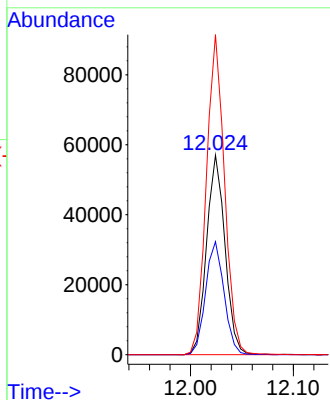
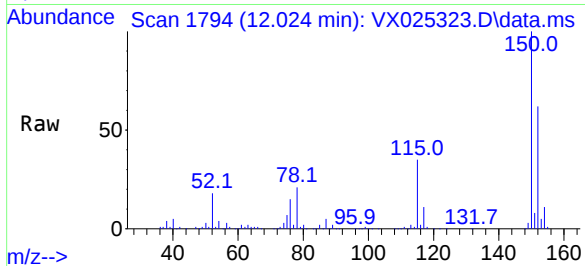




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

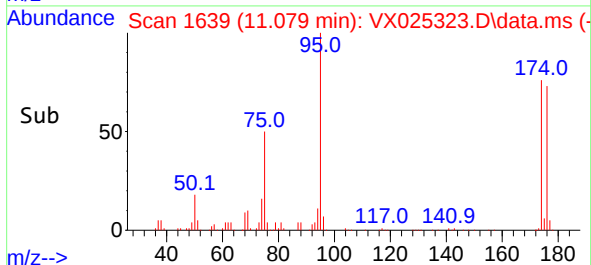
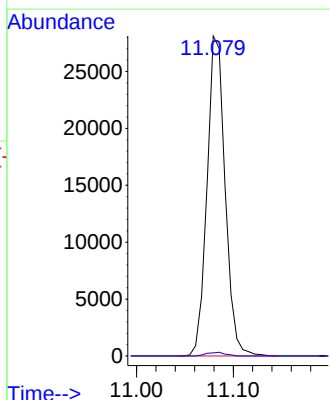
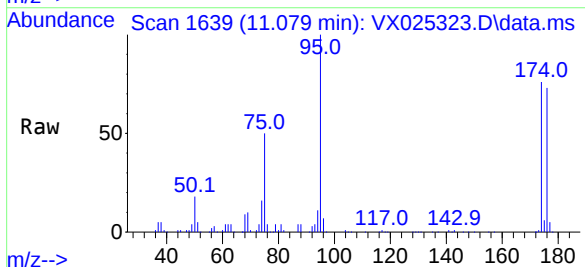
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

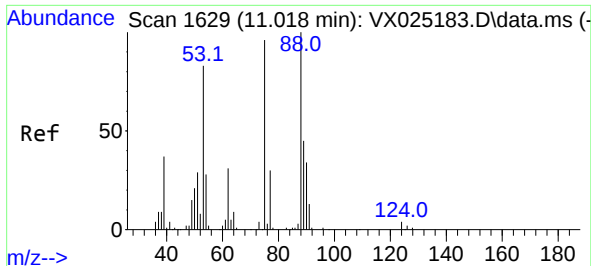
Tgt Ion:152 Resp: 71275
Ion Ratio Lower Upper
152 100
115 56.9 43.3 129.8
150 157.7 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 25.101 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion: 75 Resp: 36637
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#

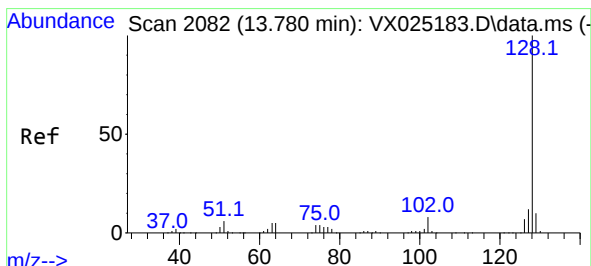
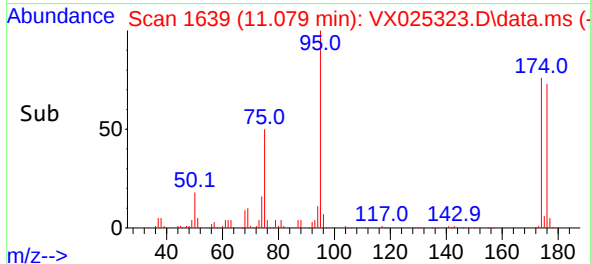
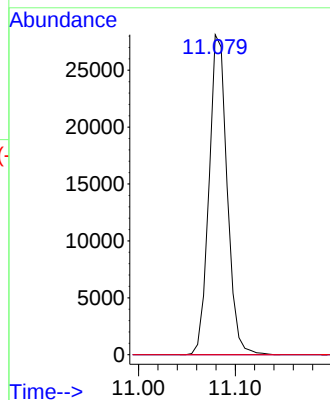
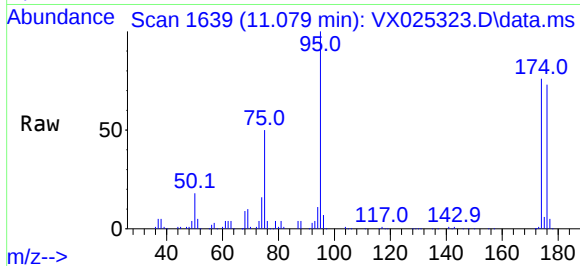




#81
trans-1,4-Dichloro-2-butene
Concen: 63.235 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

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

Tgt Ion: 75 Resp: 36637
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025323.D
Acq: 24 Nov 2021 13:52

Tgt Ion:128 Resp: 206
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

