

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091521\
 Data File : VX024259.D
 Acq On : 15 Sep 2021 14:39
 Operator : JC/MD
 Sample : M3708-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Sep 16 04:43:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

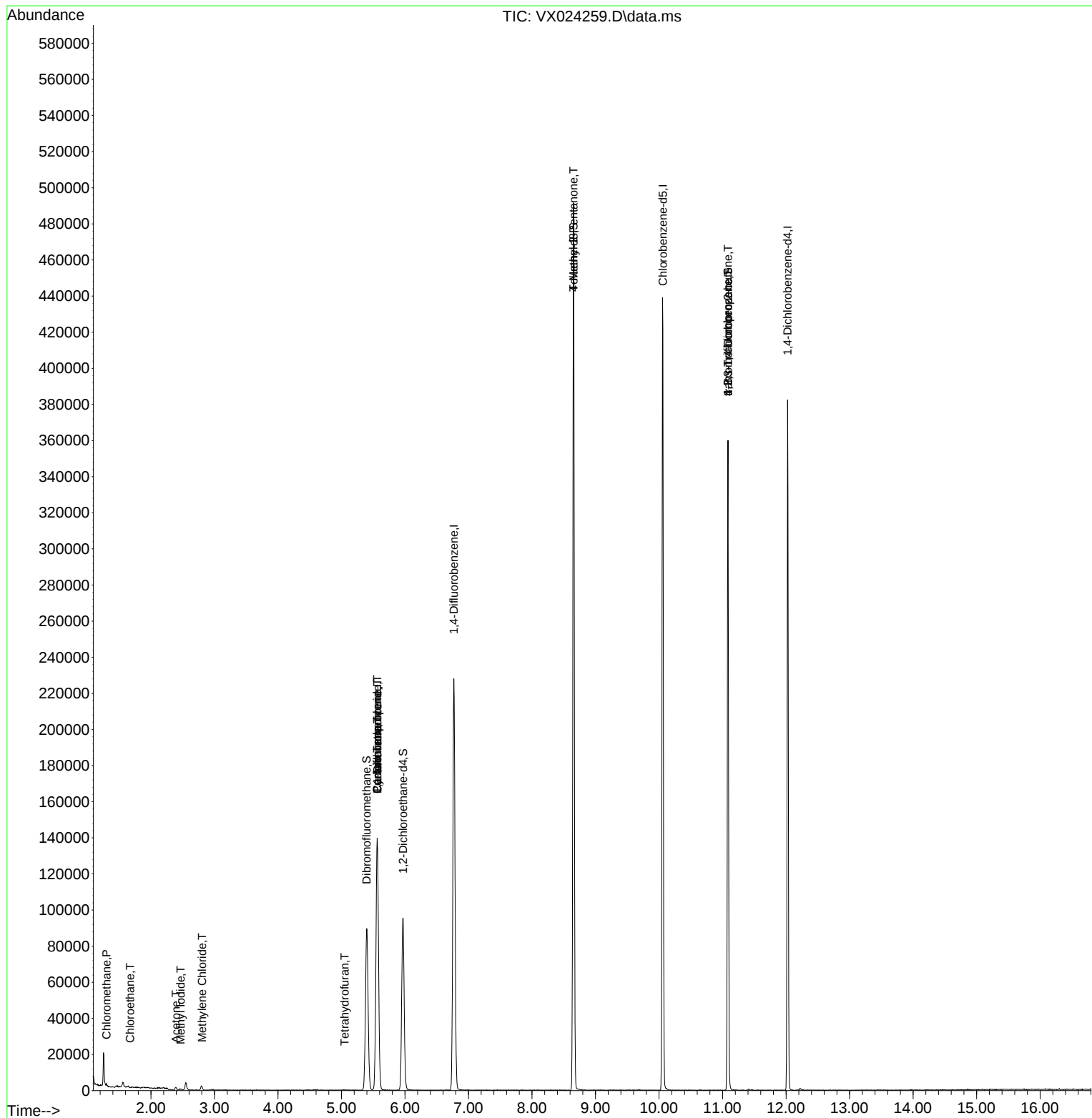
Internal Standards						
1) Pentafluorobenzene	5.562	168	129994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	225633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	192568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	99098	53.460	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 106.920%		
35) Dibromofluoromethane	5.397	113	76130	50.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 100.620%		
50) Toluene-d8	8.653	98	279126	50.635	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 101.280%		
62) 4-Bromofluorobenzene	11.085	95	88713	41.353	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 82.700%#		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	693	0.531	ug/l	92
6) Chloroethane	1.673	64	68	2.064	ug/l #	43
10) Methyl Iodide	2.465	142	546	0.308	ug/l #	76
11) Tert butyl alcohol	2.971	59	486	Below Cal	#	73
16) Acetone	2.392	43	1770	2.239	ug/l	94
20) Methylene Chloride	2.806	84	1148	0.756	ug/l #	78
29) Tetrahydrofuran	5.050	42	191	0.262	ug/l #	27
31) Cyclohexane	5.562	56	3022	1.394	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10590	5.105	ug/l #	44
38) Carbon Tetrachloride	5.562	117	14014	6.002	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1341	0.547	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	49193	27.878	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	49193	81.990	ug/l #	12

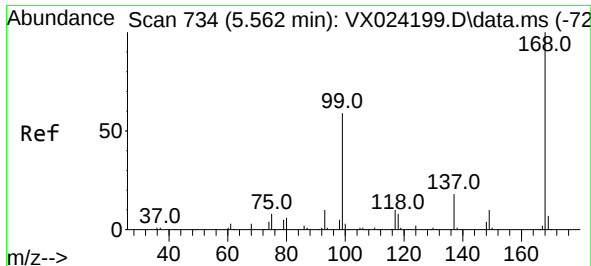
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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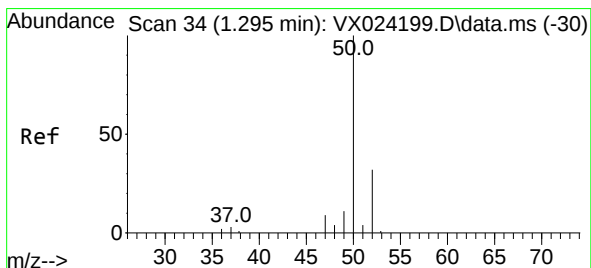
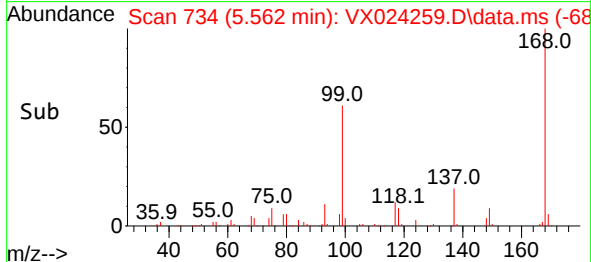
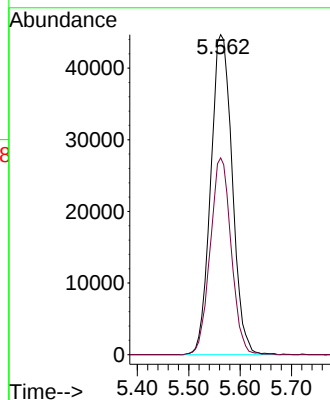
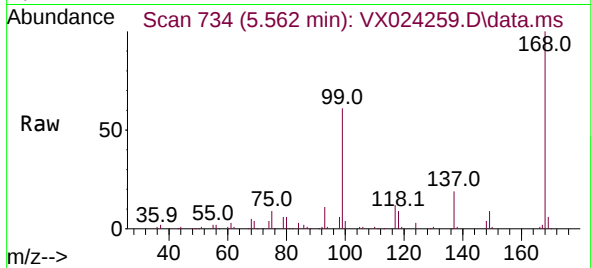




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

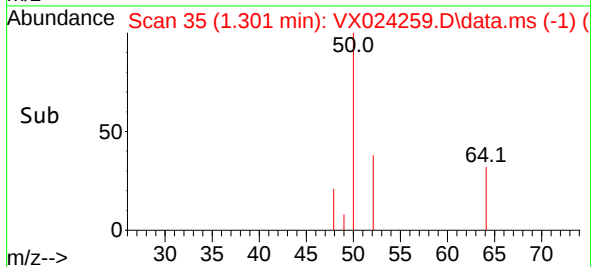
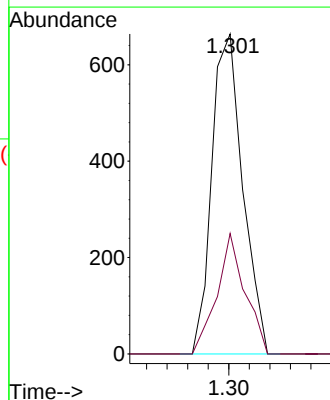
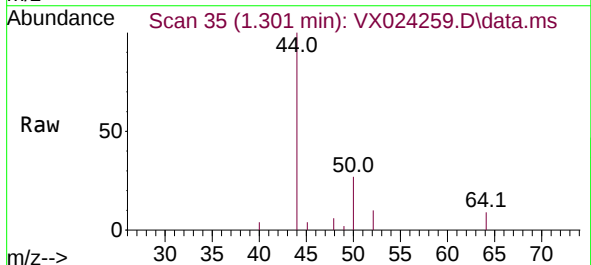
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

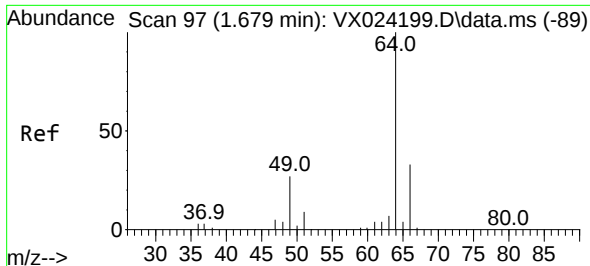
Tgt Ion:168 Resp: 129994
Ion Ratio Lower Upper
168 100
99 61.5 45.8 68.6



#3
Chloromethane
Concen: 0.531 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 37.7 26.4 39.6

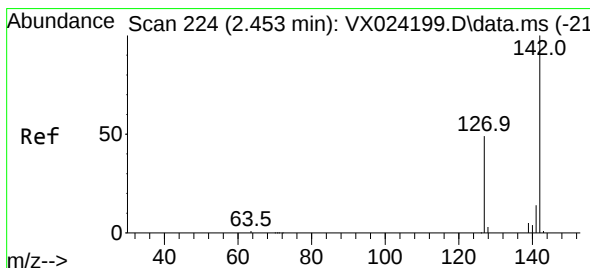
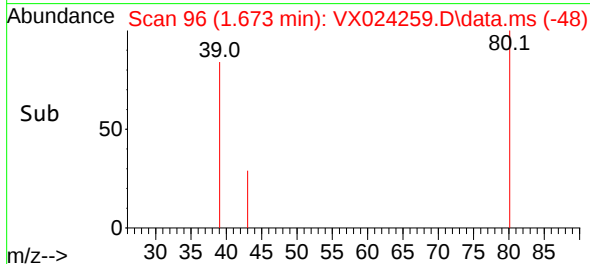
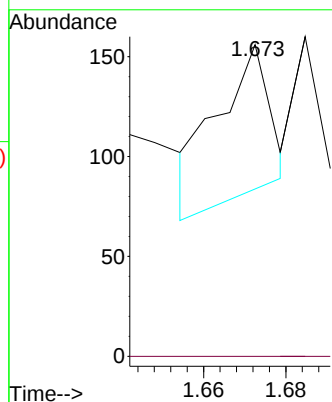
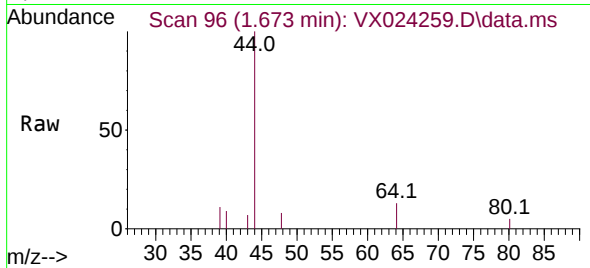




#6
Chloroethane
Concen: 2.064 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

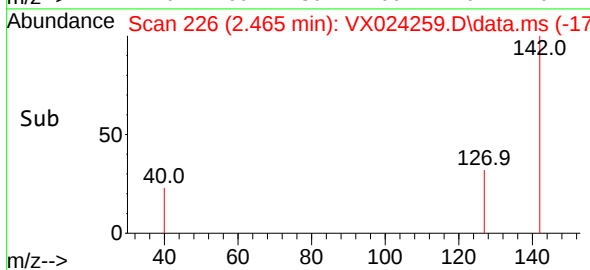
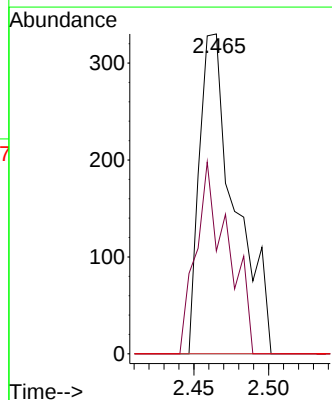
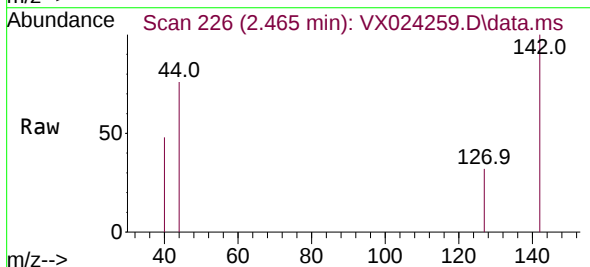
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

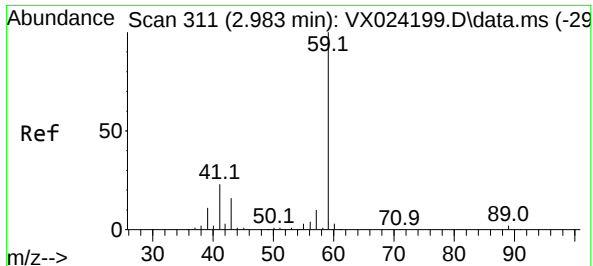
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 0.308 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion: 142 Resp: 546
Ion Ratio Lower Upper
142 100
127 54.2 33.3 49.9#
141 0.0 11.4 17.0#



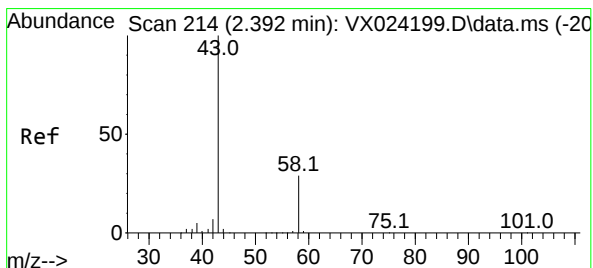
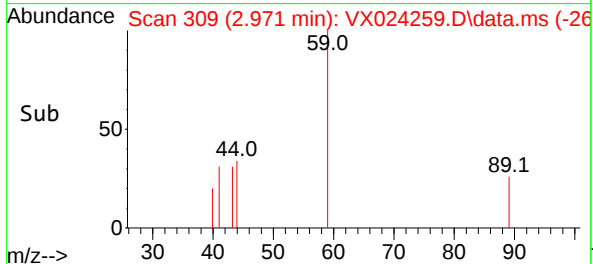
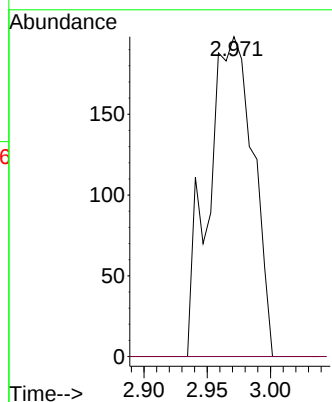
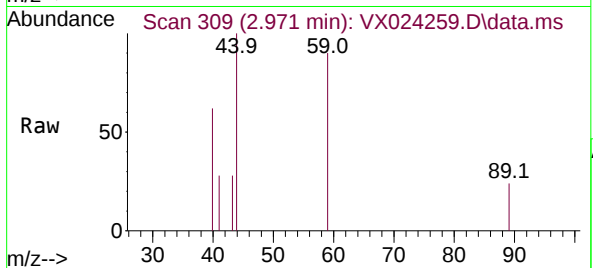


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

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

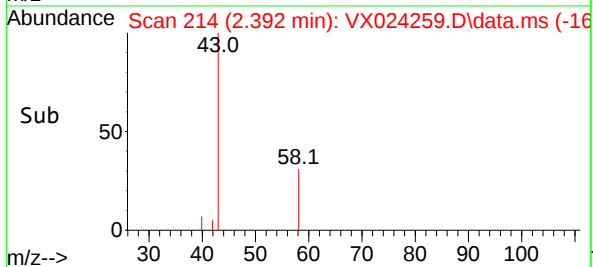
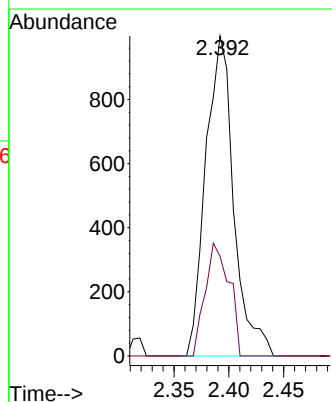
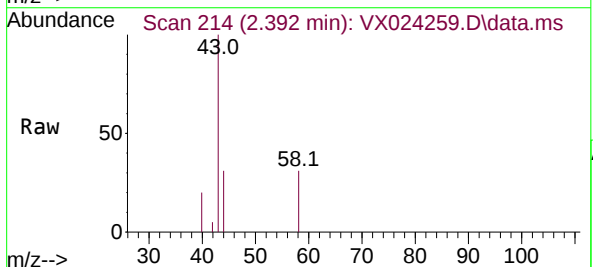
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

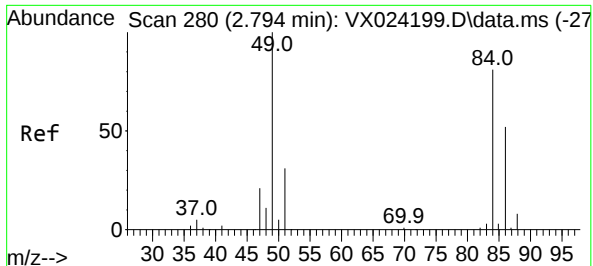


#16

Acetone
Concen: 2.239 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion: 43 Resp: 1770
Ion Ratio Lower Upper
43 100
58 31.2 27.8 41.8





#20

Methylene Chloride

Concen: 0.756 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.012 min

Lab File: VX024259.D

Acq: 15 Sep 2021 14:39

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tgt Ion: 84 Resp: 1148

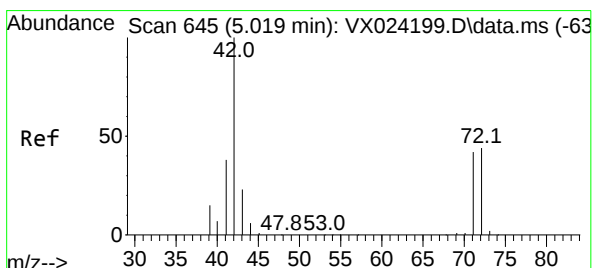
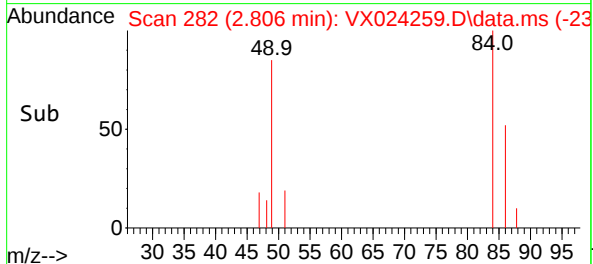
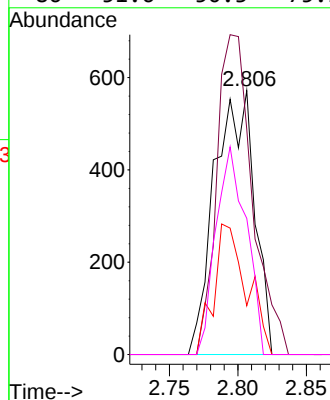
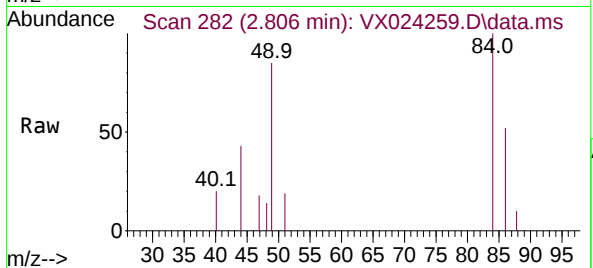
Ion Ratio Lower Upper

84 100

49 85.3 88.6 132.8#

51 18.5 27.0 40.6#

86 51.6 50.3 75.5



#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.031 min

Lab File: VX024259.D

Acq: 15 Sep 2021 14:39

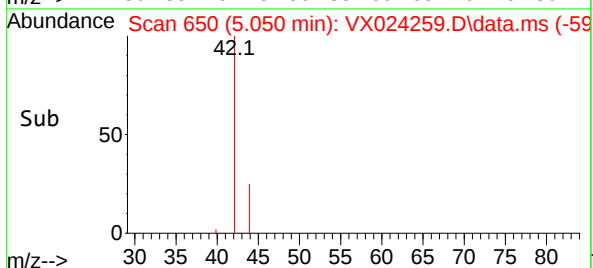
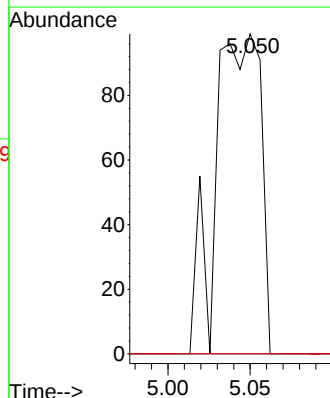
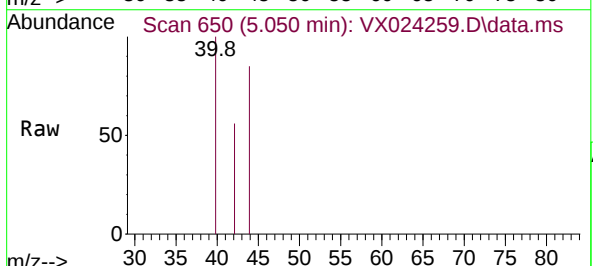
Tgt Ion: 42 Resp: 191

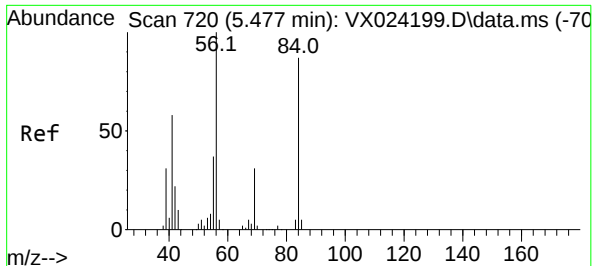
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 38.4 57.6#





#31

Cyclohexane

Concen: 1.394 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024259.D

Acq: 15 Sep 2021 14:39

Tgt Ion: 56 Resp: 3022

Ion Ratio Lower Upper

56 100

69 181.1 25.3 37.9#

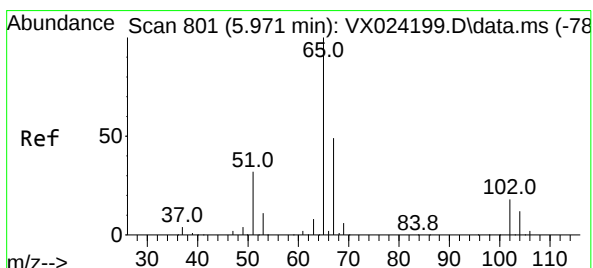
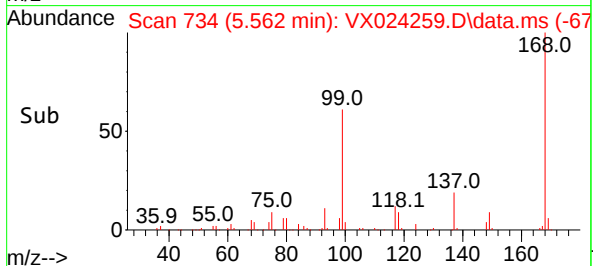
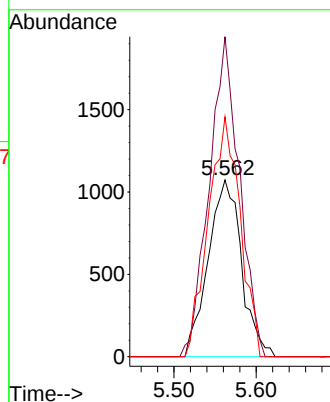
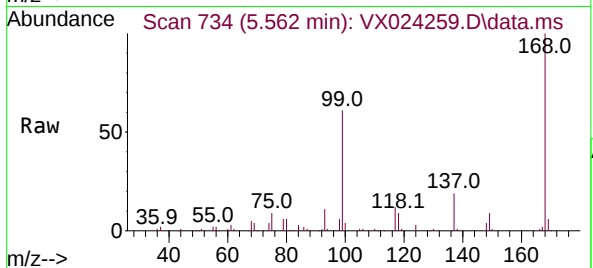
84 135.7 71.4 107.0#

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



#33

1,2-Dichloroethane-d4

Concen: 53.460 ug/l

RT: 5.971 min Scan# 801

Delta R.T. -0.000 min

Lab File: VX024259.D

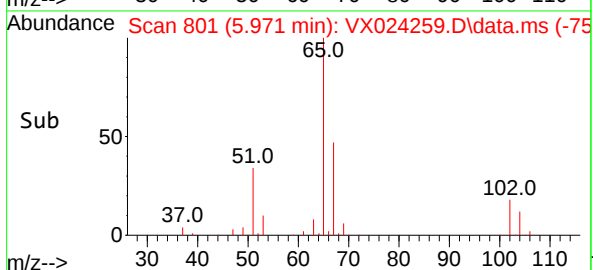
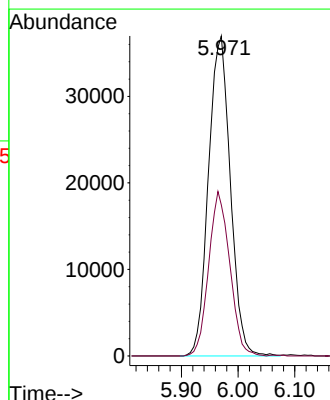
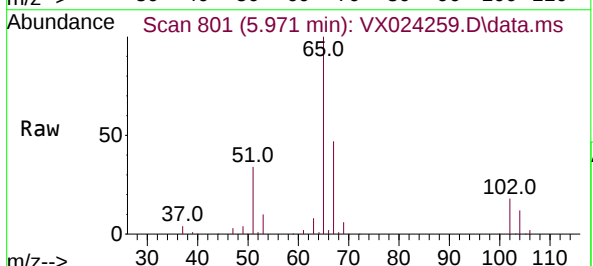
Acq: 15 Sep 2021 14:39

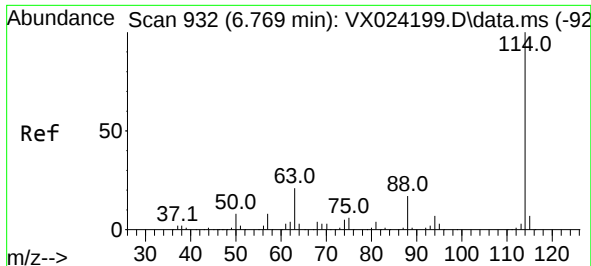
Tgt Ion: 65 Resp: 99098

Ion Ratio Lower Upper

65 100

67 49.6 0.0 105.4

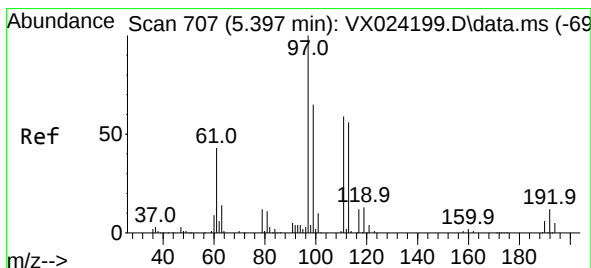
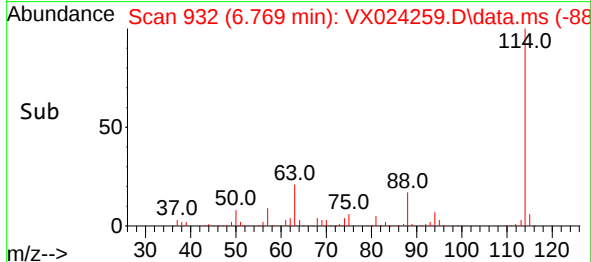
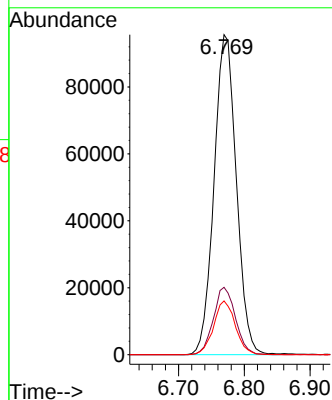
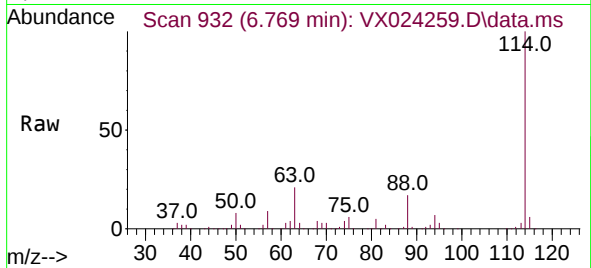




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

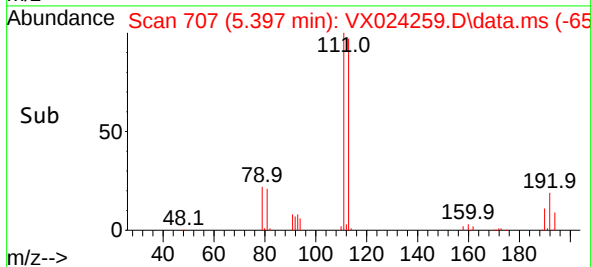
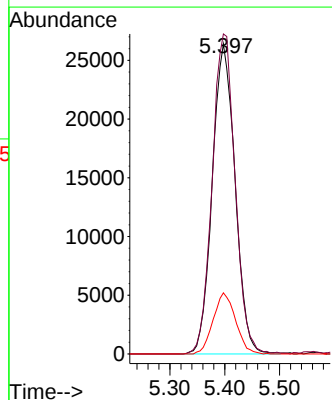
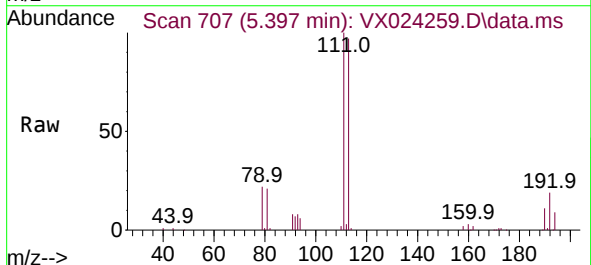
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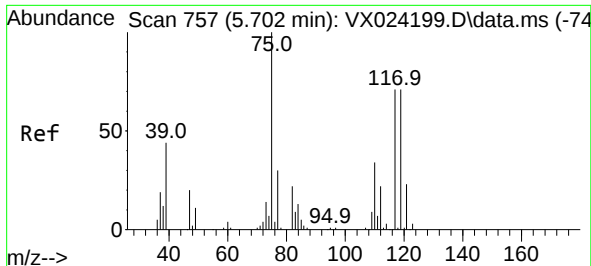
Tgt Ion:114 Resp: 225633
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.311 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion:113 Resp: 76130
Ion Ratio Lower Upper
113 100
111 104.0 81.9 122.9
192 19.4 16.7 25.1

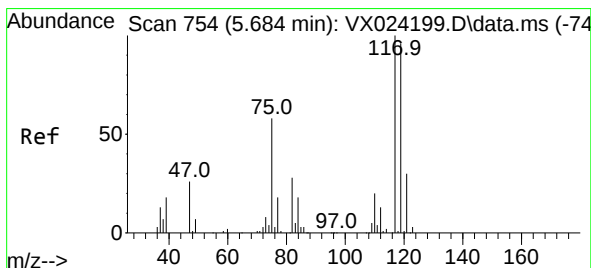
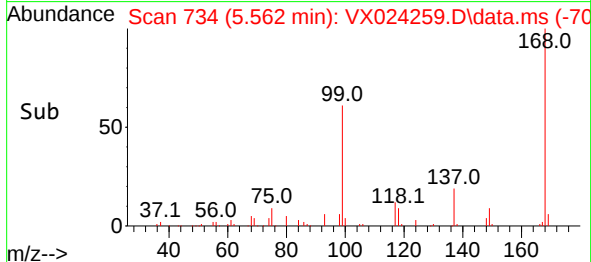
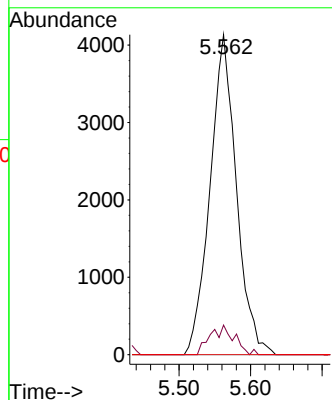
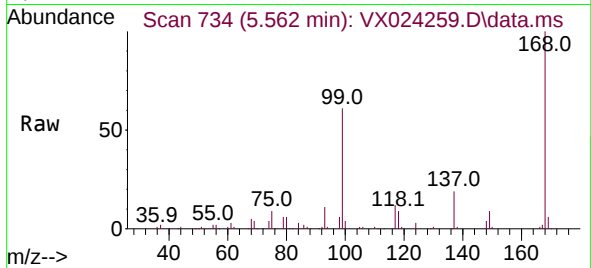




#36
1,1-Dichloropropene
Concen: 5.105 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

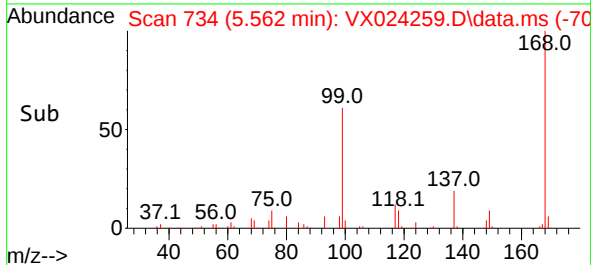
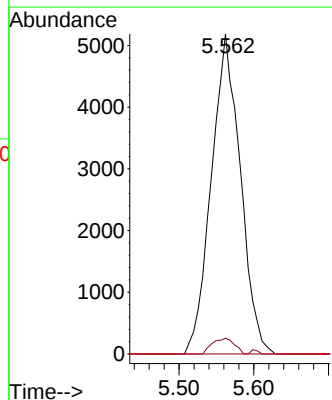
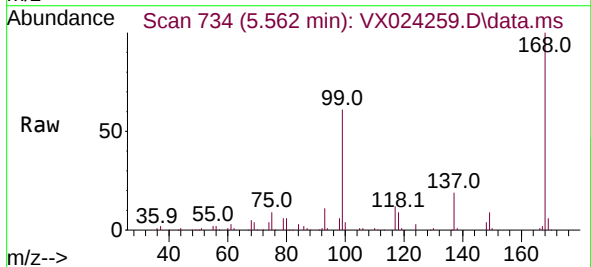
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

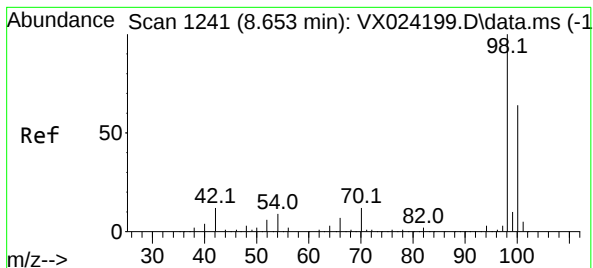
Tgt Ion: 75 Resp: 10590
Ion Ratio Lower Upper
75 100
110 3.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.002 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion: 117 Resp: 14014
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.635 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024259.D

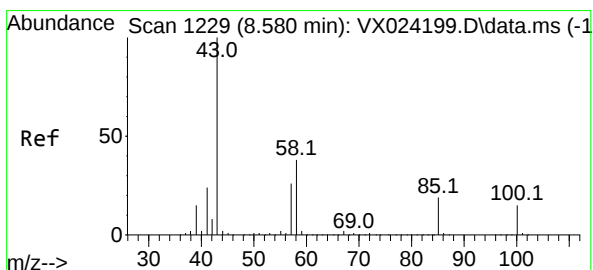
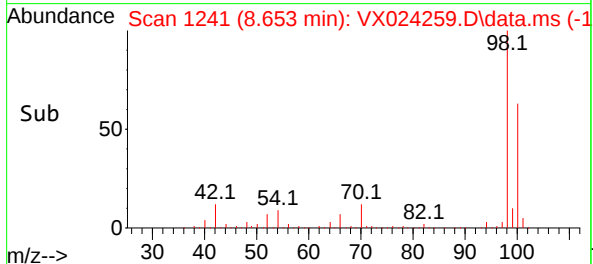
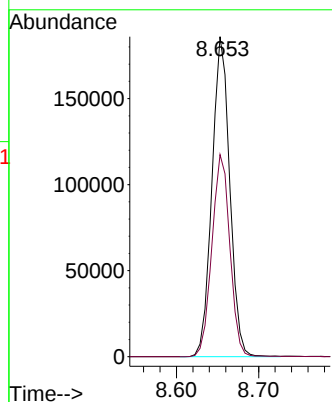
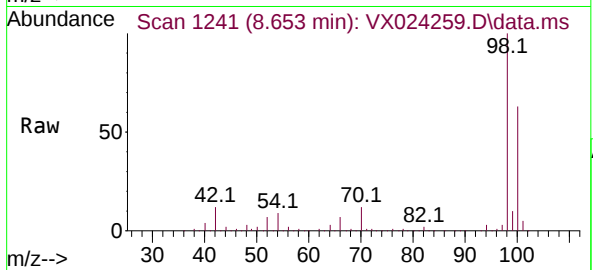
Acq: 15 Sep 2021 14:39

Tgt Ion: 98 Resp: 279126

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.547 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.073 min

Lab File: VX024259.D

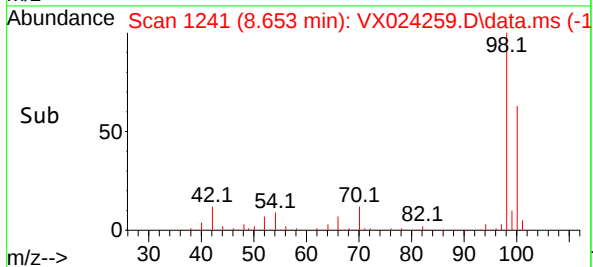
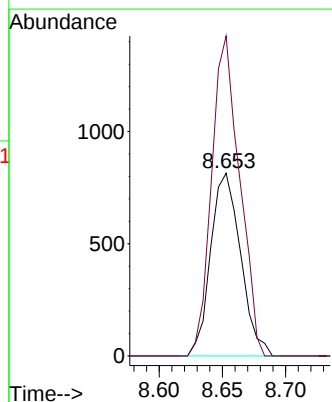
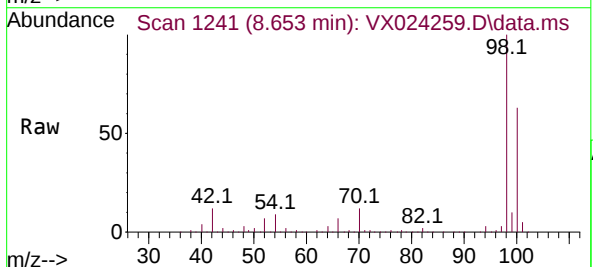
Acq: 15 Sep 2021 14:39

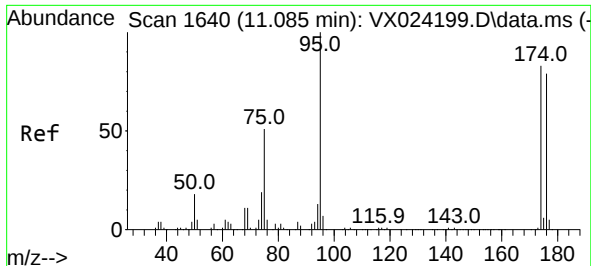
Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

43 100

58 164.0 35.4 53.0#

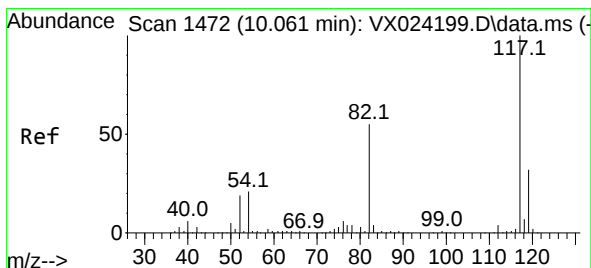
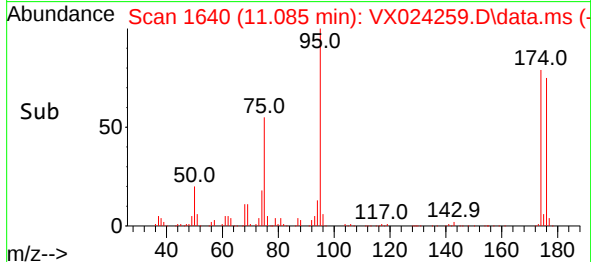
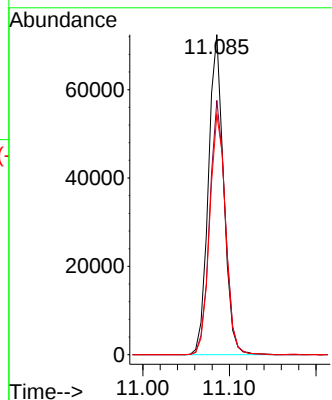
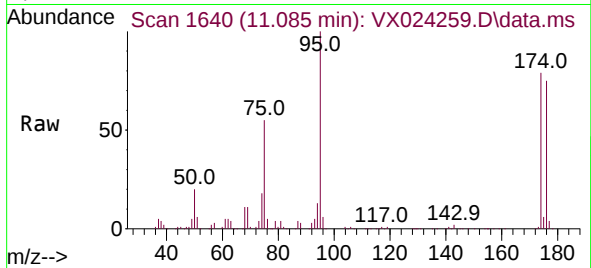




#62
4-Bromofluorobenzene
Concen: 41.353 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

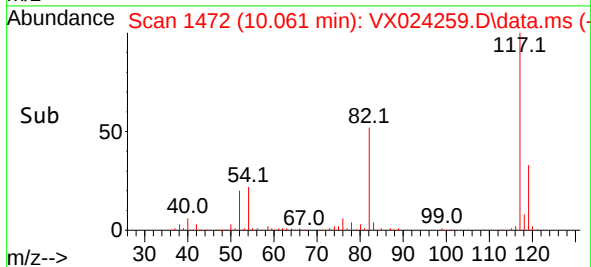
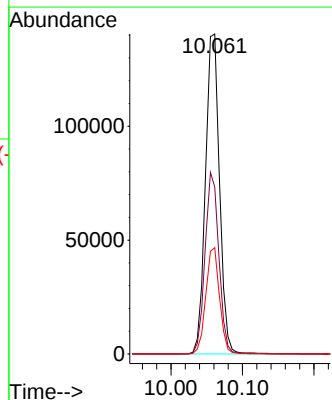
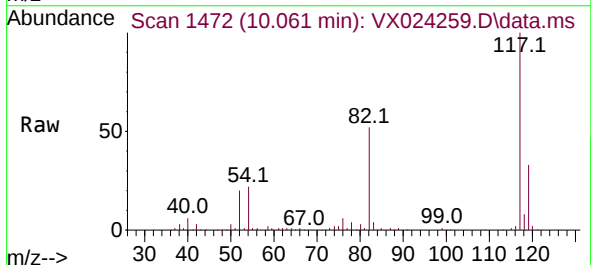
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

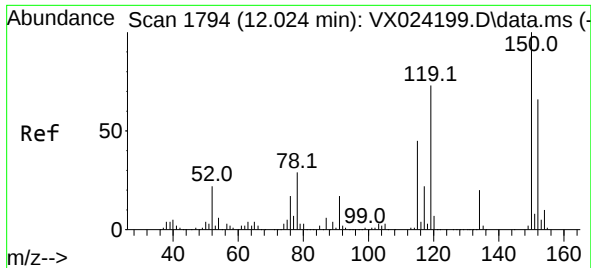
Tgt Ion: 95 Resp: 88713
Ion Ratio Lower Upper
95 100
174 81.3 0.0 154.6
176 78.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024259.D
Acq: 15 Sep 2021 14:39

Tgt Ion: 117 Resp: 192568
Ion Ratio Lower Upper
117 100
82 52.2 47.4 71.2
119 33.2 26.6 39.8

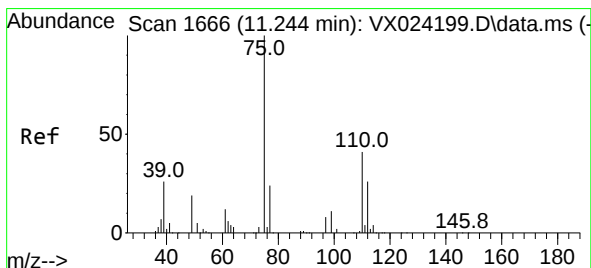
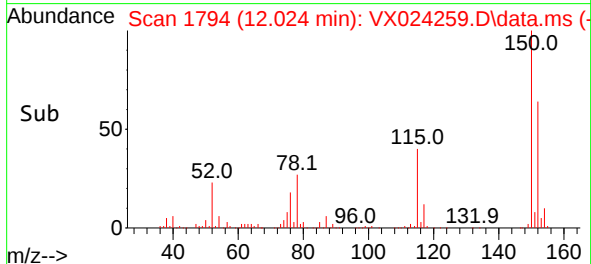
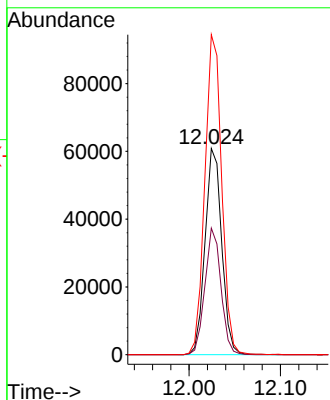
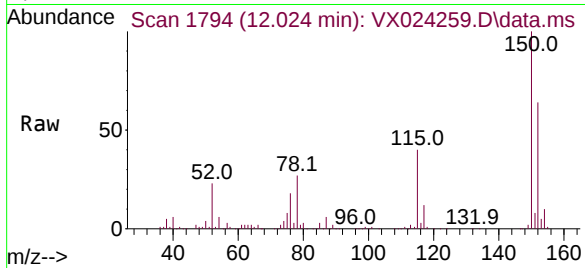




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024259.D
 Acq: 15 Sep 2021 14:39

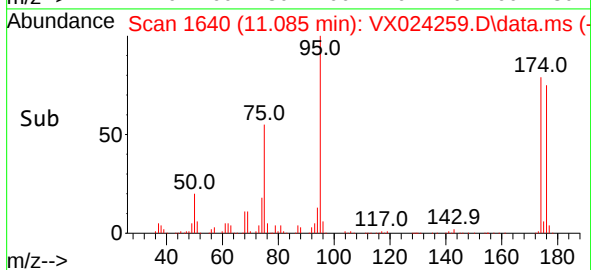
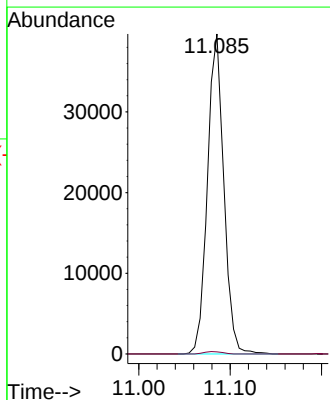
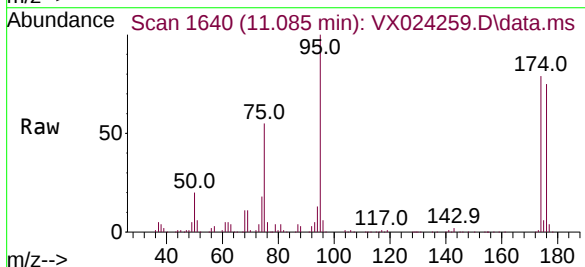
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

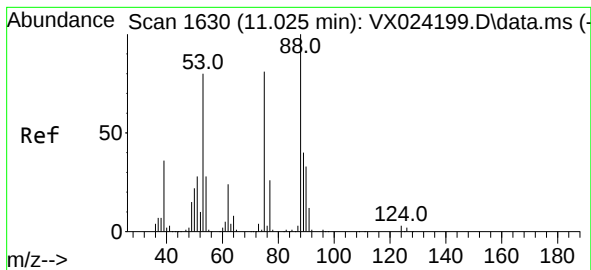
Tgt Ion:152 Resp: 76740
 Ion Ratio Lower Upper
 152 100
 115 59.1 41.1 123.3
 150 156.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.878 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024259.D
 Acq: 15 Sep 2021 14:39

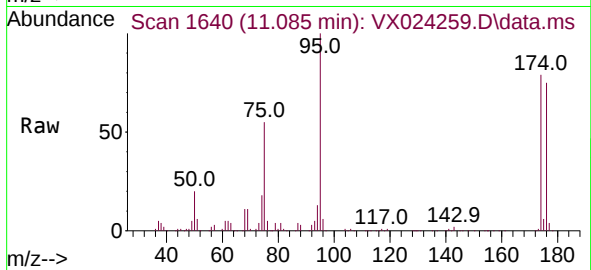
Tgt Ion: 75 Resp: 49193
 Ion Ratio Lower Upper
 75 100
 77 0.8 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.990 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024259.D
 Acq: 15 Sep 2021 14:39

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



Tgt Ion: 75 Resp: 49193
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

