

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092021\
 Data File : VX024352.D
 Acq On : 20 Sep 2021 15:42
 Operator : JC/MD
 Sample : M3817-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-03-(1.0)

Quant Time: Sep 21 08:41:39 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)

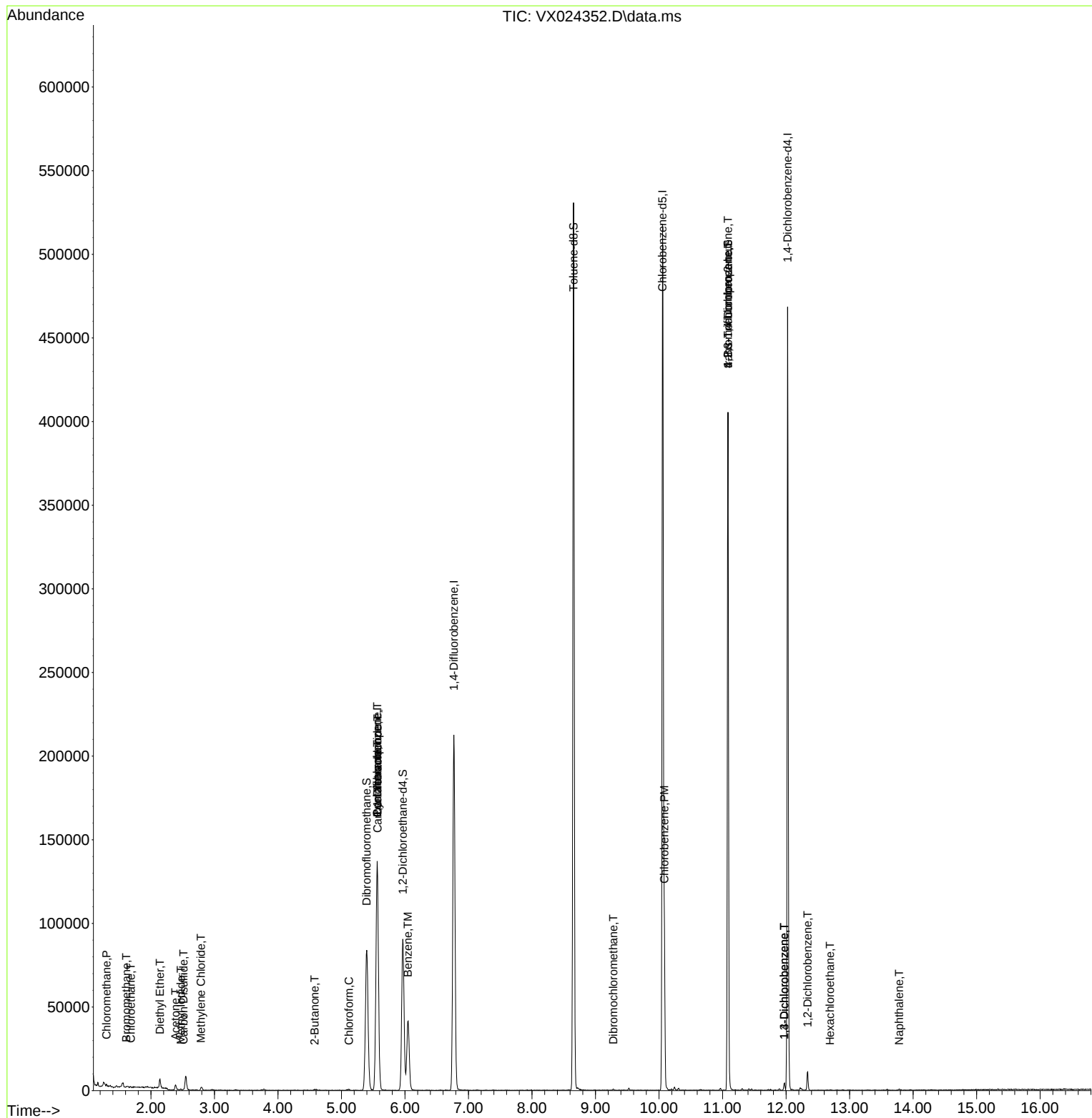
Internal Standards						
1) Pentafluorobenzene	5.562	168	124591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	211904	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	91187	51.326	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.397	113	71302	50.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	308844	59.656	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 119.320%#			
62) 4-Bromofluorobenzene	11.085	95	107701	53.456	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.920%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	504	0.403	ug/l #	83
5) Bromomethane	1.611	94	234	0.316	ug/l #	62
6) Chloroethane	1.685	64	159	2.153	ug/l #	43
8) Diethyl Ether	2.142	74	1716	2.375	ug/l	84
10) Methyl Iodide	2.471	142	793	0.467	ug/l #	87
11) Tert butyl alcohol	2.965	59	346	Below Cal	#	73
16) Acetone	2.386	43	3224	4.256	ug/l	97
17) Carbon Disulfide	2.514	76	672	0.233	ug/l #	75
20) Methylene Chloride	2.788	84	872	0.599	ug/l #	94
25) 2-Butanone	4.574	43	245	0.220	ug/l #	45
30) Chloroform	5.117	83	767	0.300	ug/l	84
31) Cyclohexane	5.562	56	2899	1.395	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	9781	5.020	ug/l #	48
38) Carbon Tetrachloride	5.568	117	13352	6.089	ug/l #	16
40) Benzene	6.043	78	48245	8.634	ug/l	96
60) Dibromochloromethane	9.281	129	56	1.757	ug/l #	11
65) Chlorobenzene	10.085	112	40363	8.417	ug/l	97
76) 1,2,3-Trichloropropane	11.085	75	55645	25.523	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55645	75.063	ug/l #	12
87) 1,3-Dichlorobenzene	11.969	146	1556	0.490	ug/l	92
88) 1,4-Dichlorobenzene	11.969	146	1556	0.480	ug/l	90
90) Hexachloroethane	12.695	117	239	0.246	ug/l #	9
91) 1,2-Dichlorobenzene	12.341	146	3497	1.121	ug/l	94
95) Naphthalene	13.780	128	700	1.388	ug/l #	80

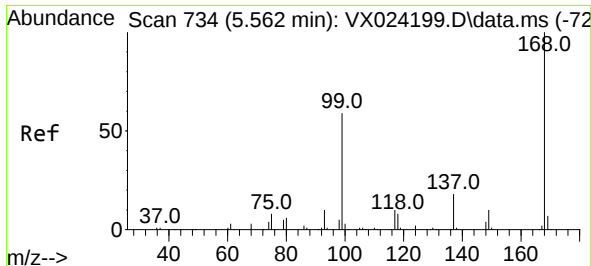
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
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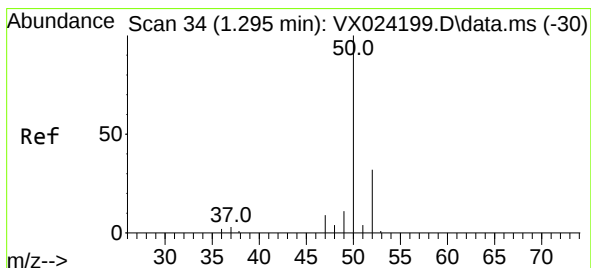
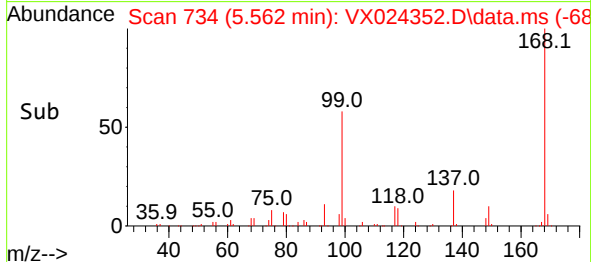
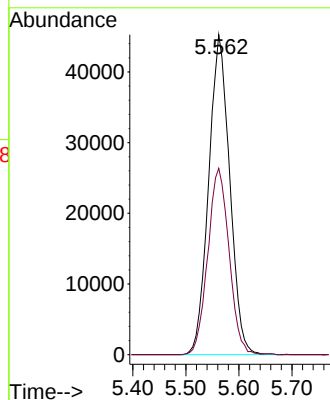
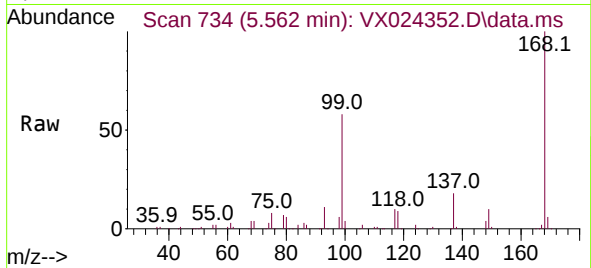




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

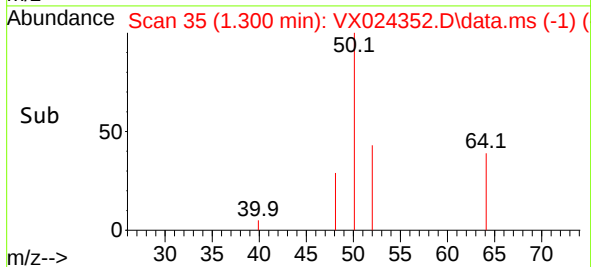
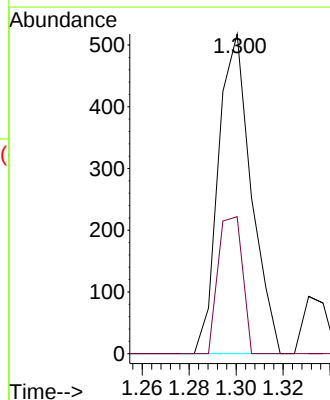
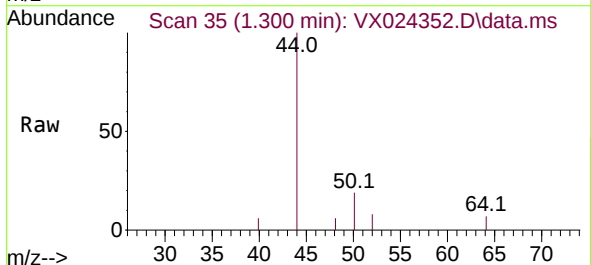
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

Tgt Ion:168 Resp: 124591
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#3
Chloromethane
Concen: 0.403 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 50 Resp: 504
Ion Ratio Lower Upper
50 100
52 42.9 26.4 39.6#

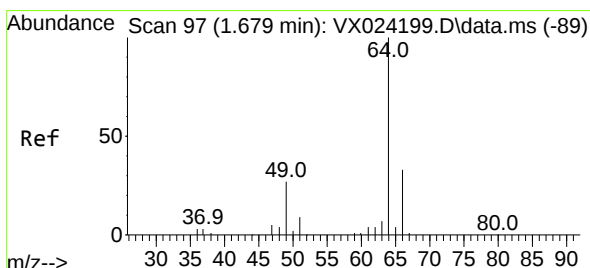
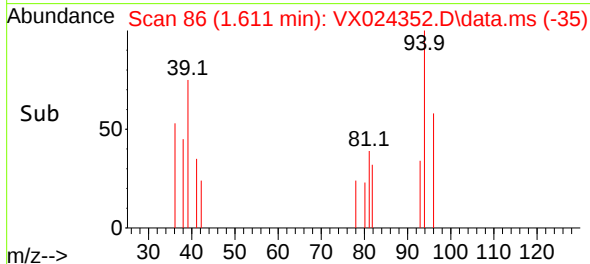
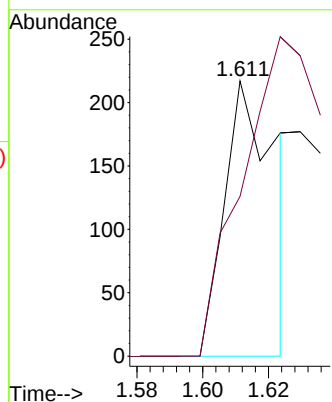
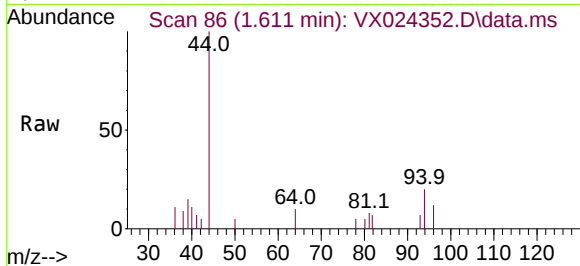




#5
Bromomethane
Concen: 0.316 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

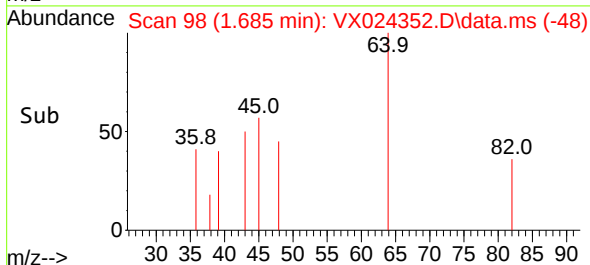
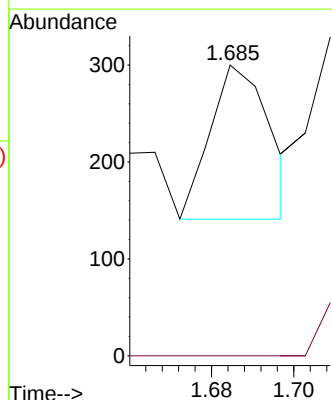
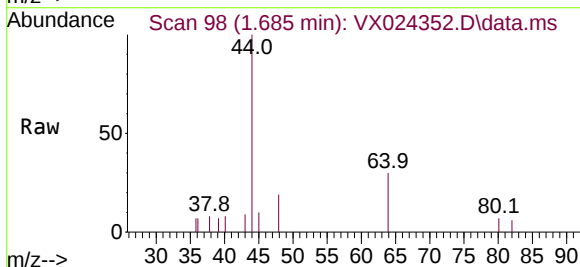
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

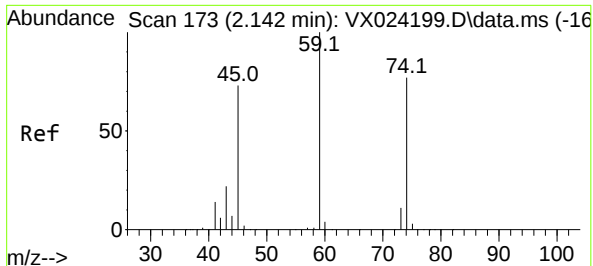
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 58.1 76.4 114.6#



#6
Chloroethane
Concen: 2.153 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 64 Resp: 159
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#8

Diethyl Ether

Concen: 2.375 ug/l

RT: 2.142 min Scan# 173

Delta R.T. -0.000 min

Lab File: VX024352.D

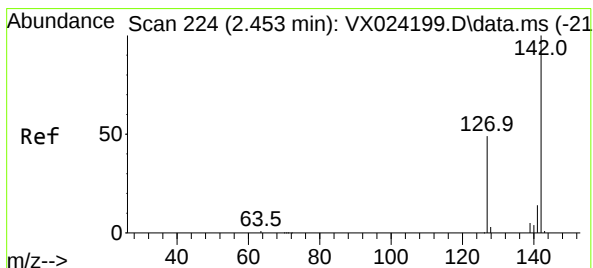
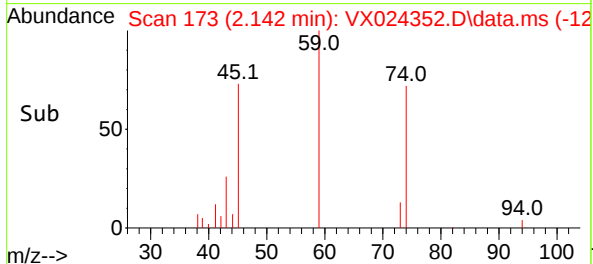
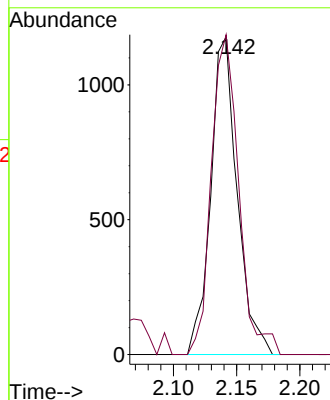
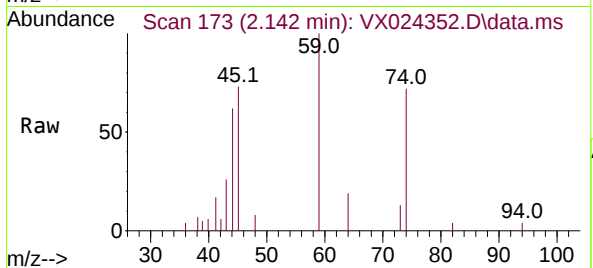
Acq: 20 Sep 2021 15:42

Tgt Ion: 74 Resp: 1716

Ion Ratio Lower Upper

74 100

45 104.1 44.5 133.5



#10

Methyl Iodide

Concen: 0.467 ug/l

RT: 2.471 min Scan# 227

Delta R.T. 0.018 min

Lab File: VX024352.D

Acq: 20 Sep 2021 15:42

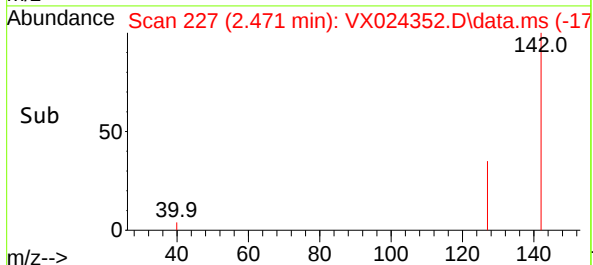
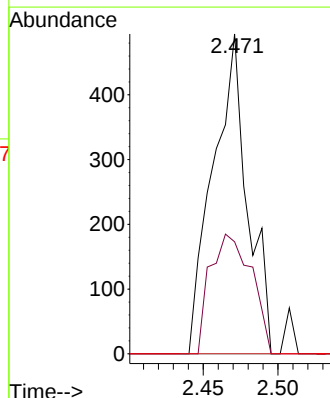
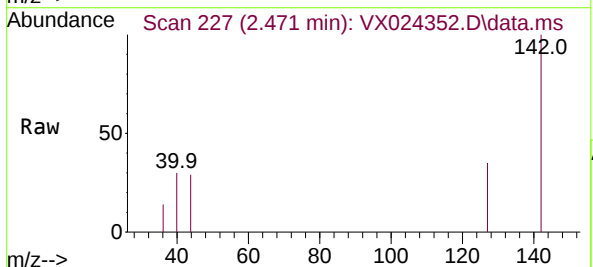
Tgt Ion: 142 Resp: 793

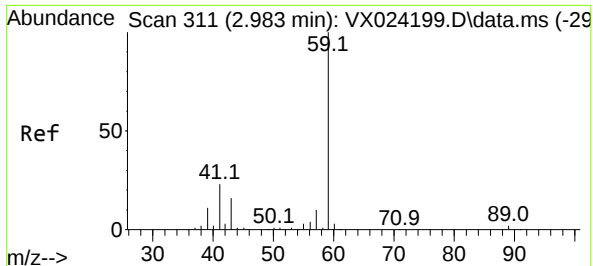
Ion Ratio Lower Upper

142 100

127 44.8 33.3 49.9

141 0.0 11.4 17.0#



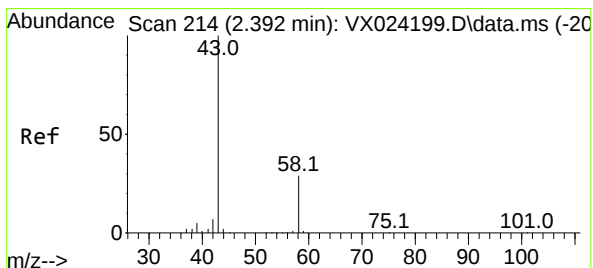
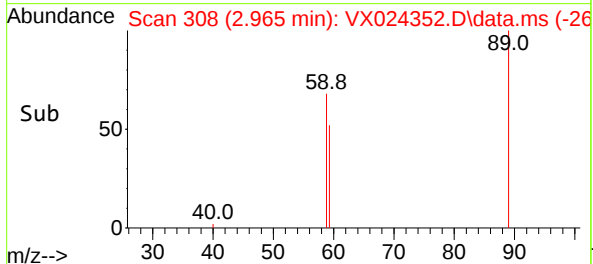
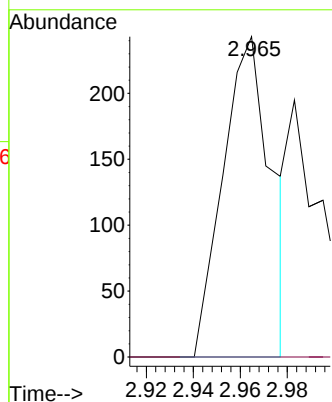
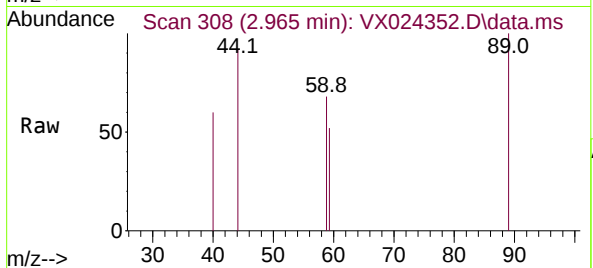


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

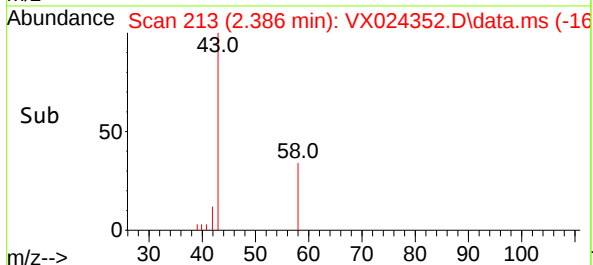
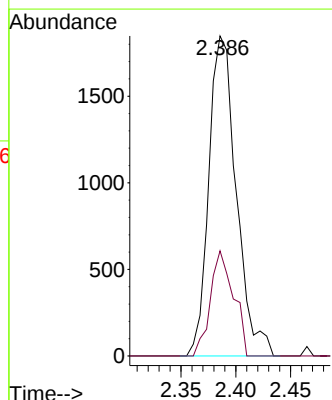
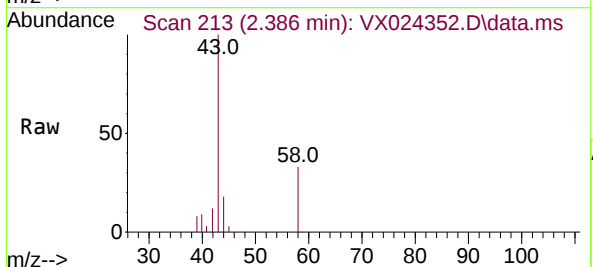
Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

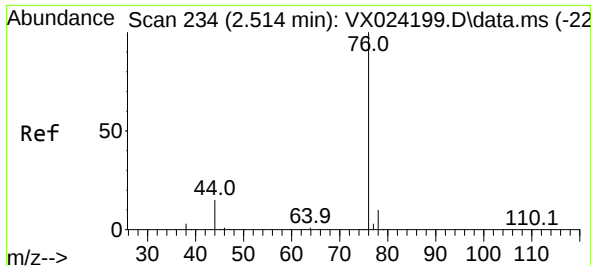


#16

Acetone
Concen: 4.256 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8

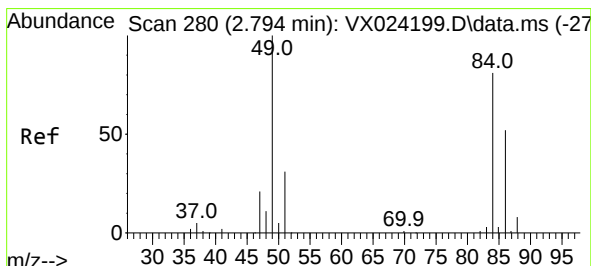
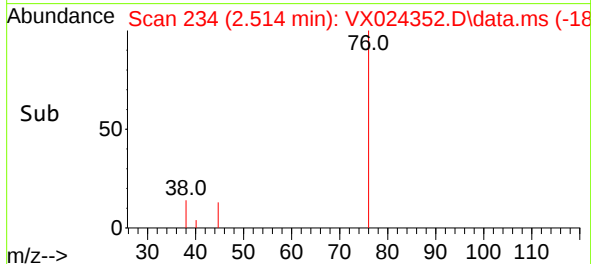
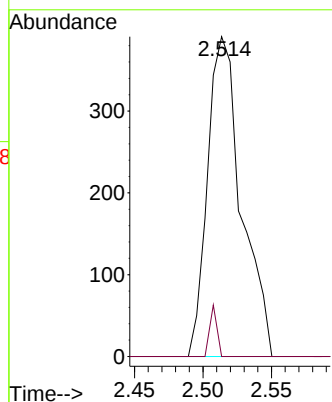
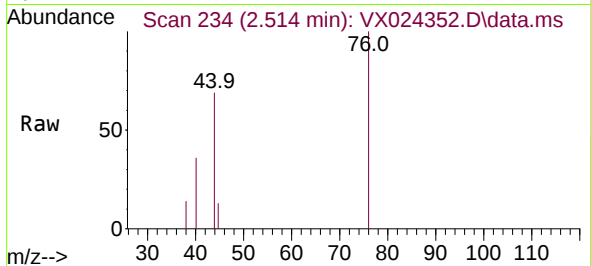




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

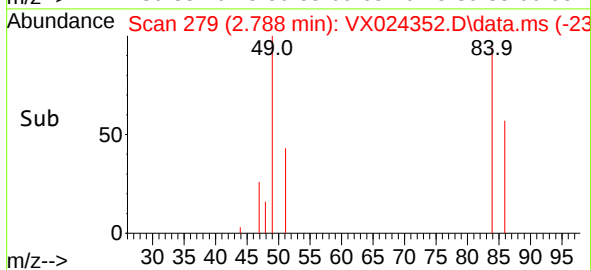
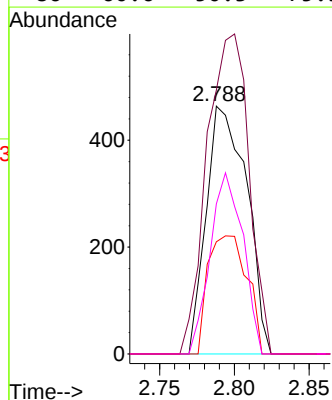
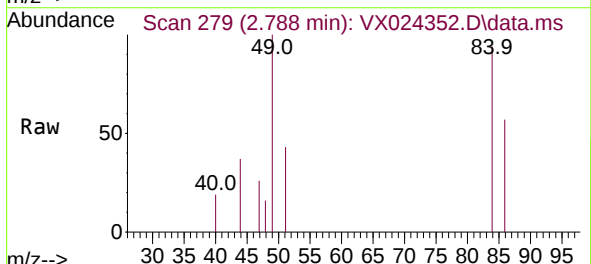
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

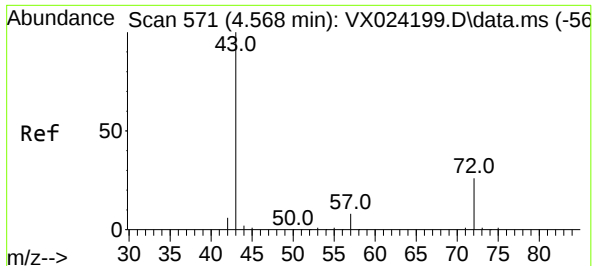
Tgt Ion: 76 Resp: 672
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.599 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 106.5 88.6 132.8
51 45.3 27.0 40.6#
86 60.6 50.3 75.5





#25

2-Butanone

Concen: 0.220 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024352.D

Acq: 20 Sep 2021 15:42

Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

43 100

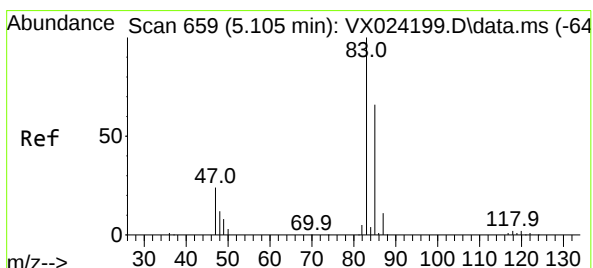
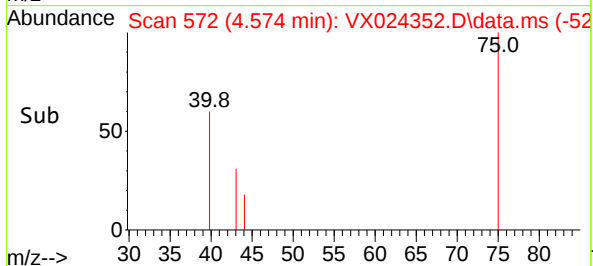
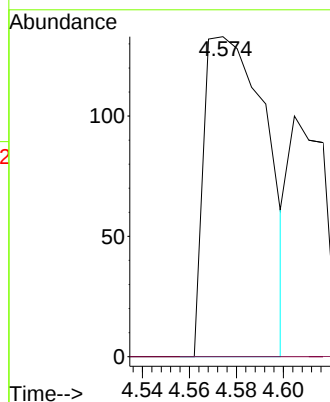
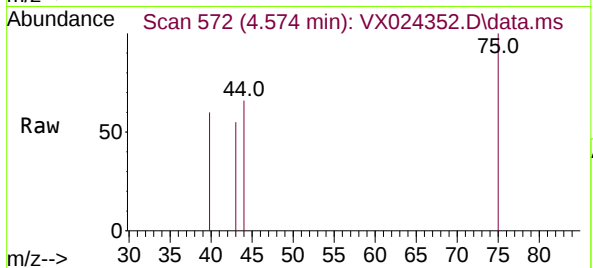
72 0.0 23.7 35.5#

Instrument :

MSVOA_X

ClientSampleId :

SW-CB-03-(1.0)



#30

Chloroform

Concen: 0.300 ug/l

RT: 5.117 min Scan# 661

Delta R.T. 0.012 min

Lab File: VX024352.D

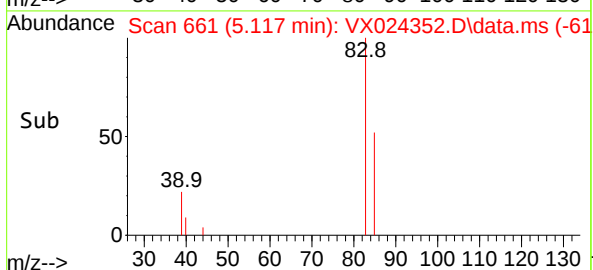
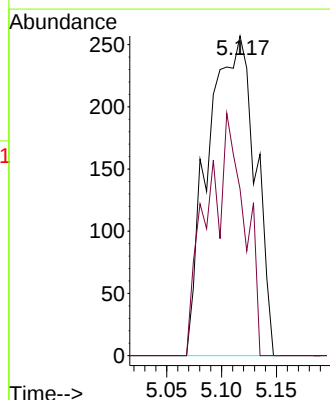
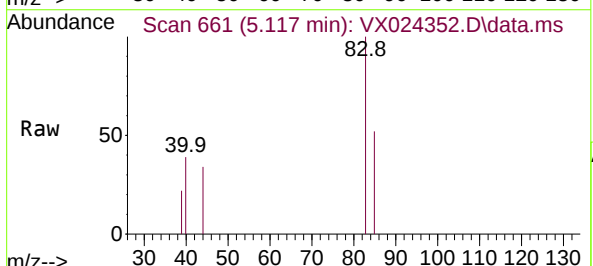
Acq: 20 Sep 2021 15:42

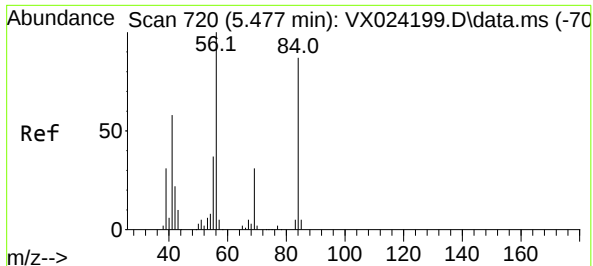
Tgt Ion: 83 Resp: 767

Ion Ratio Lower Upper

83 100

85 52.1 52.0 78.0

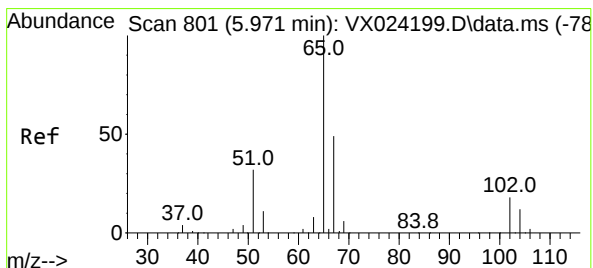
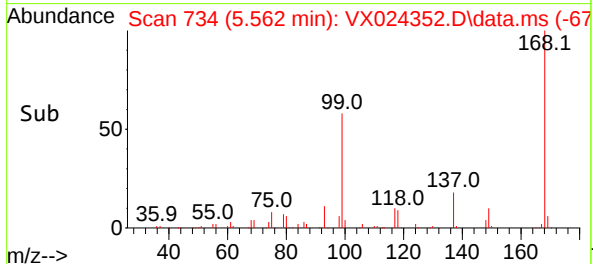
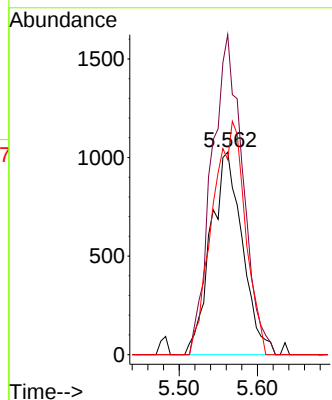
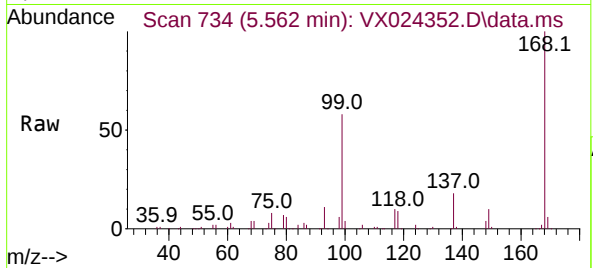




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

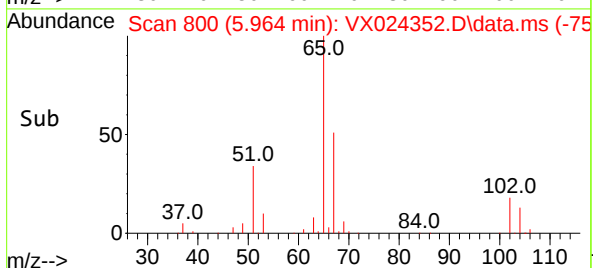
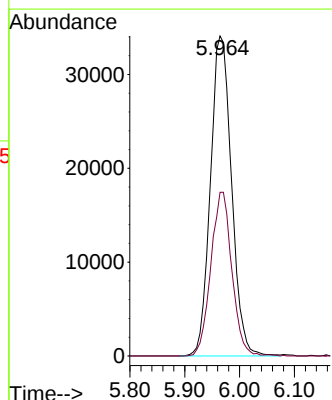
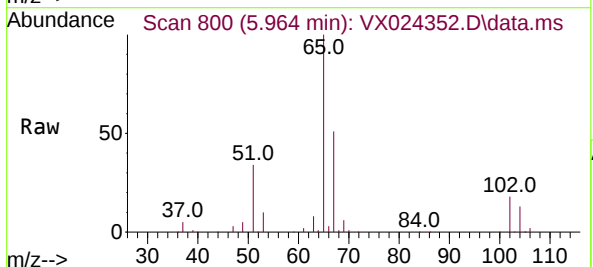
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

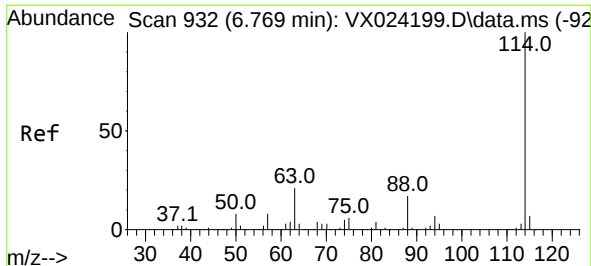
Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 158.0 25.3 37.9#
84 96.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.326 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 65 Resp: 91187
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

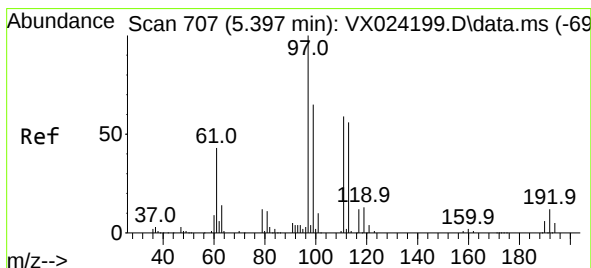
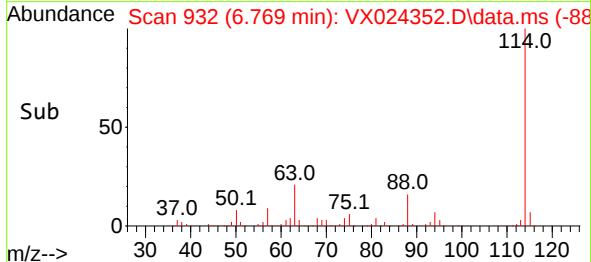
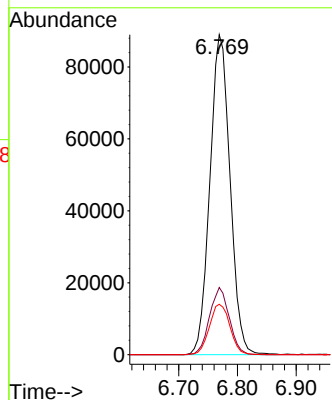
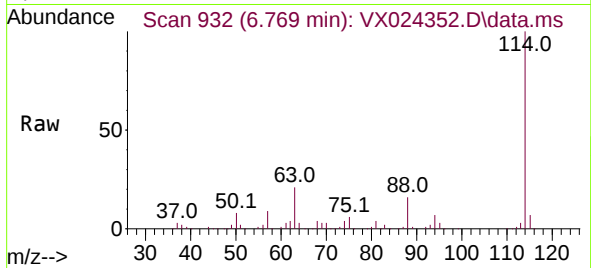




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

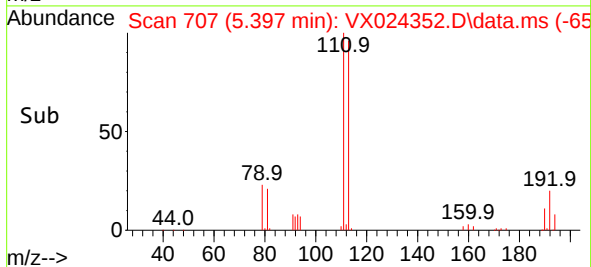
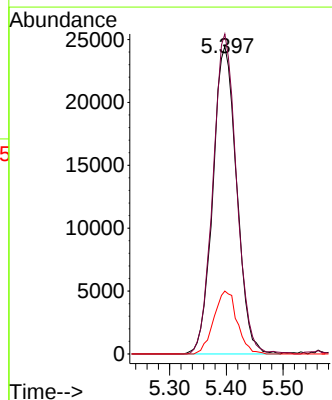
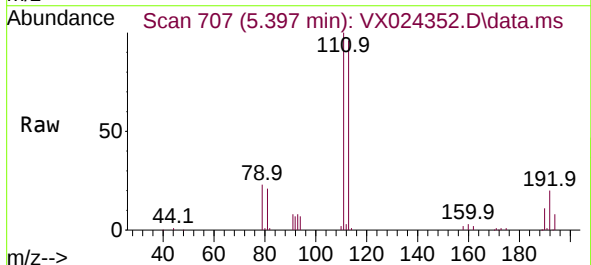
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

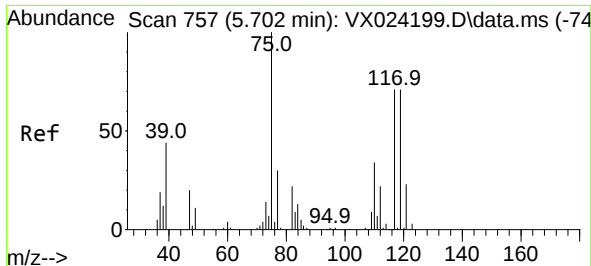
Tgt Ion:114 Resp: 211904
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.173 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion:113 Resp: 71302
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 20.0 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024352.D

Acq: 20 Sep 2021 15:42

Tgt Ion: 75 Resp: 9781

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

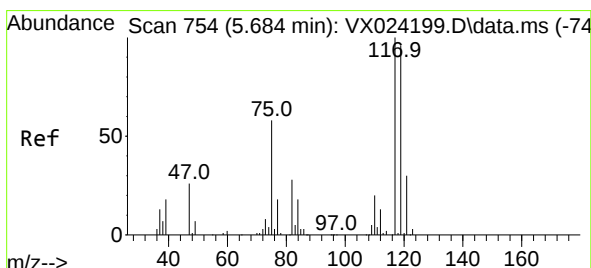
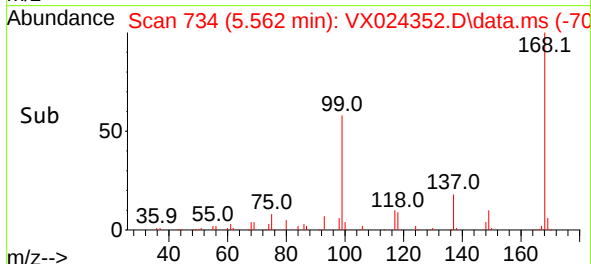
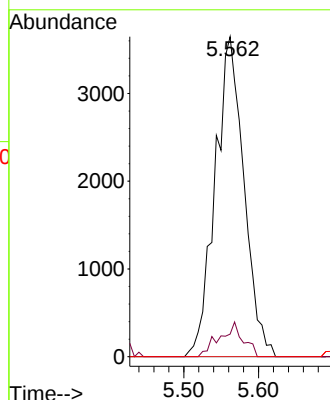
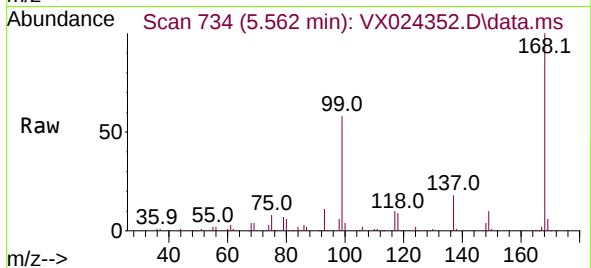
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

SW-CB-03-(1.0)



#38

Carbon Tetrachloride

Concen: 6.089 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.116 min

Lab File: VX024352.D

Acq: 20 Sep 2021 15:42

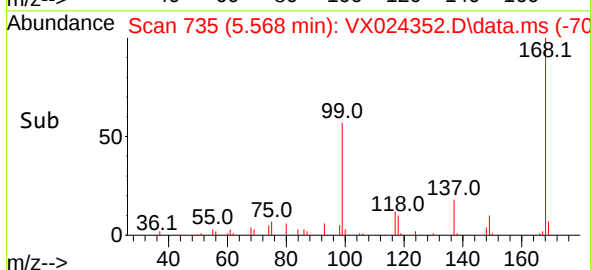
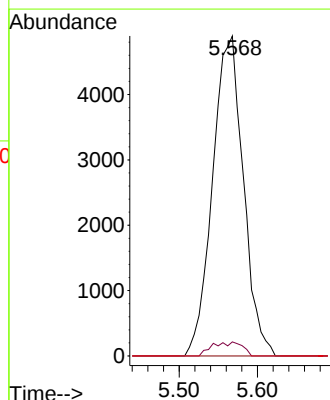
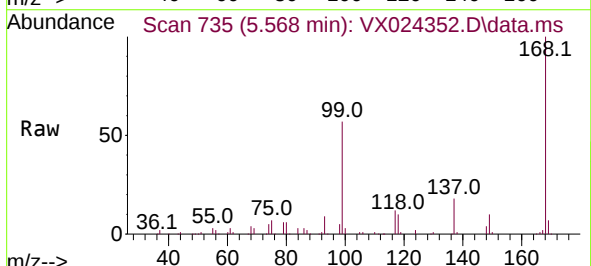
Tgt Ion: 117 Resp: 13352

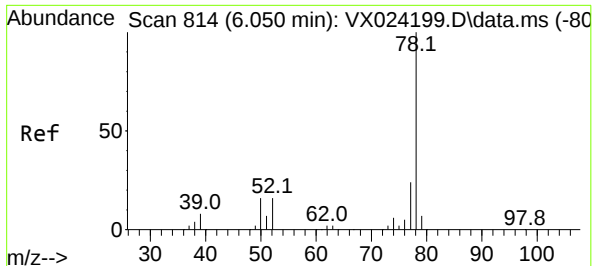
Ion Ratio Lower Upper

117 100

119 4.4 76.2 114.2#

121 0.0 24.8 37.2#

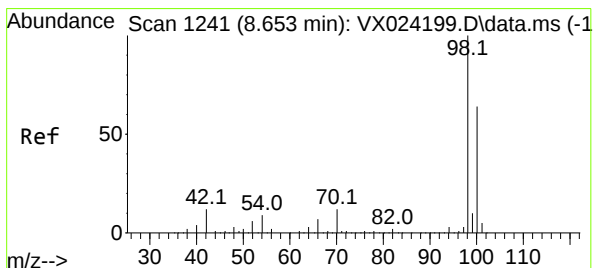
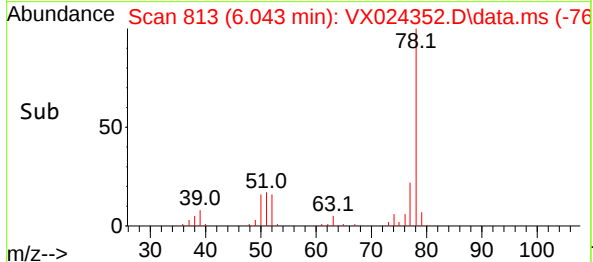
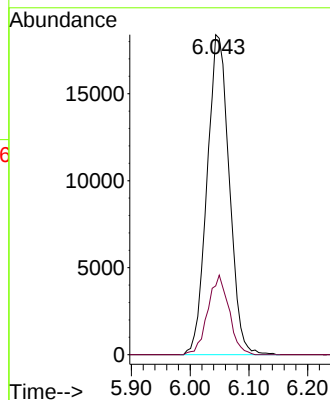
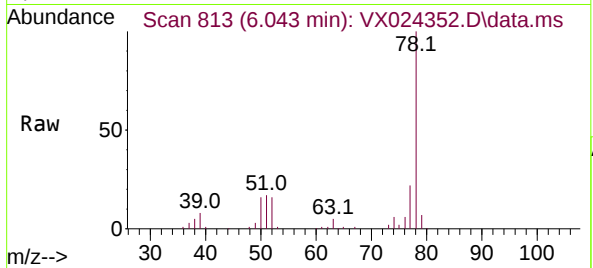




#40
Benzene
Concen: 8.634 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.007 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

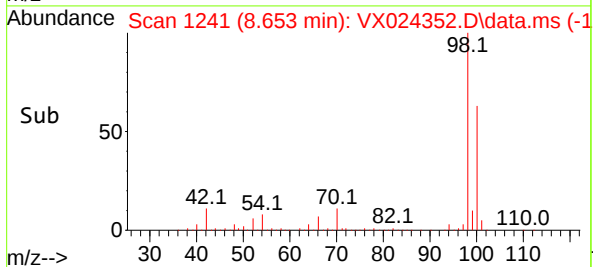
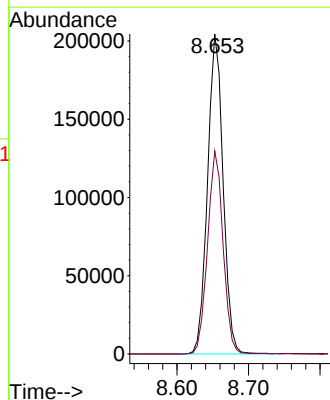
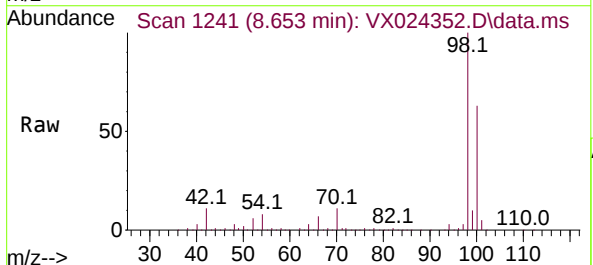
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

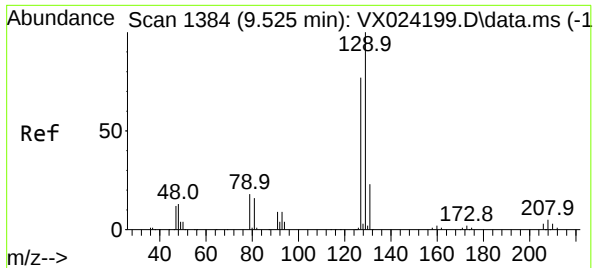
Tgt Ion: 78 Resp: 48245
Ion Ratio Lower Upper
78 100
77 21.5 18.9 28.3



#50
Toluene-d8
Concen: 59.656 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 98 Resp: 308844
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9

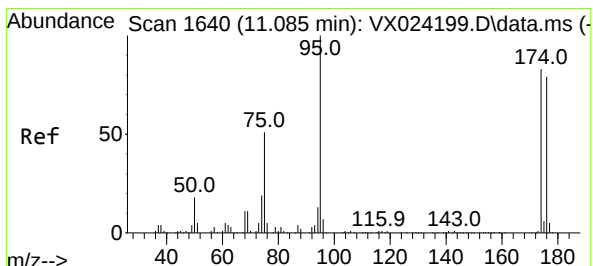
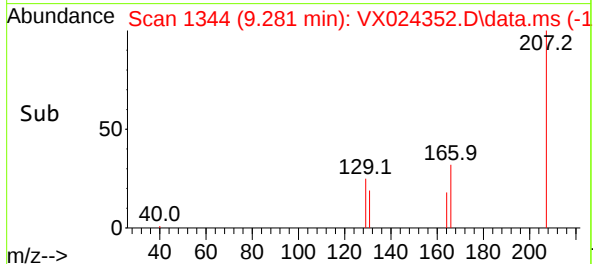
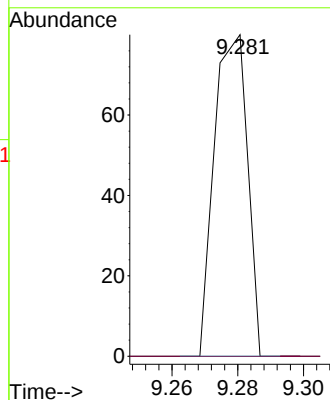
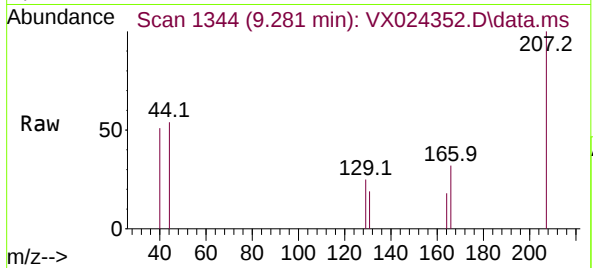




#60
Dibromochloromethane
Concen: 1.757 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.244 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

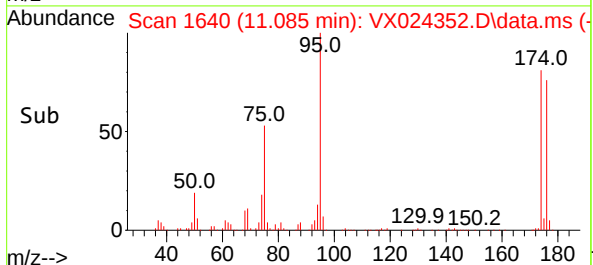
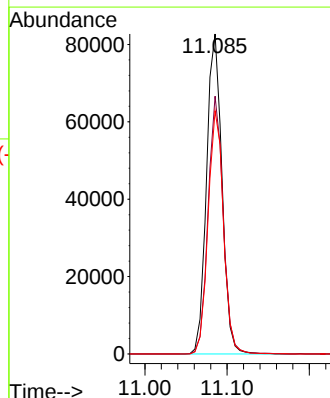
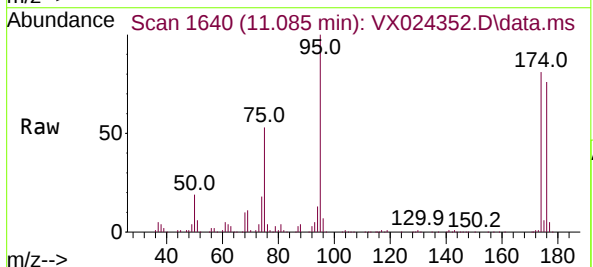
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

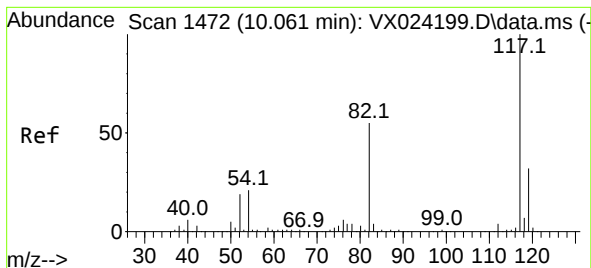
Tgt Ion:129 Resp: 56
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.456 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 95 Resp: 107701
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.6
176 75.9 0.0 155.8

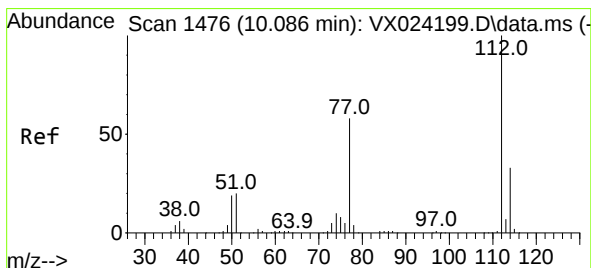
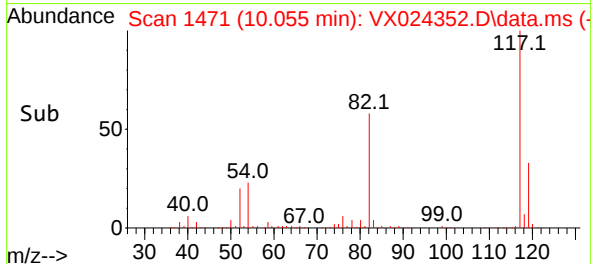
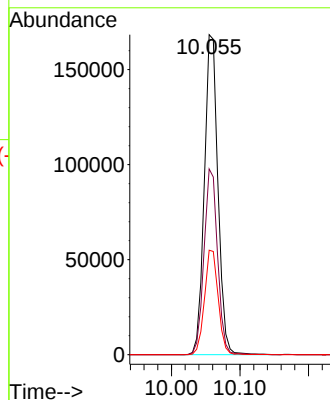
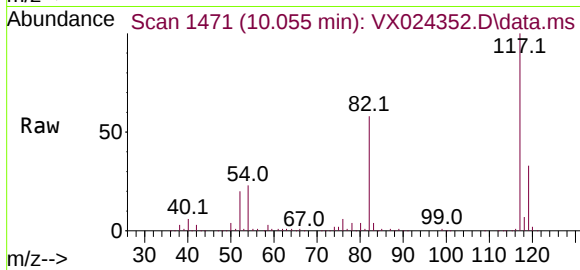




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

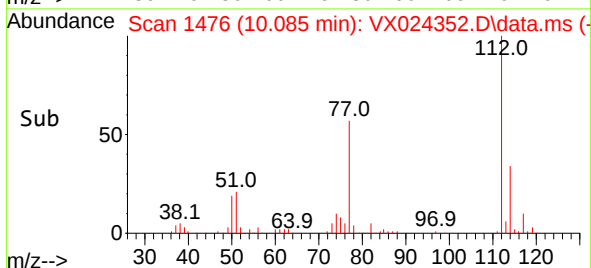
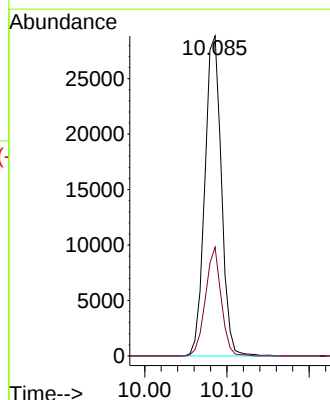
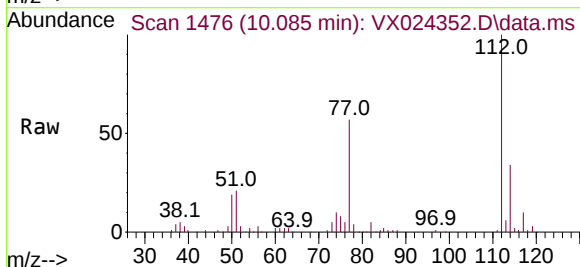
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

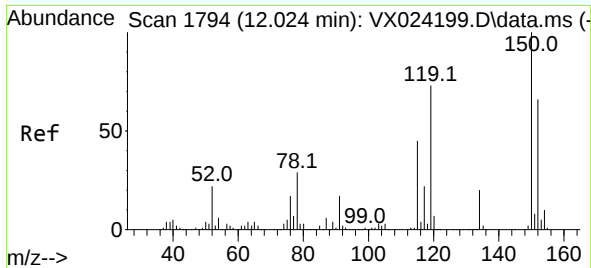
Tgt Ion:117 Resp: 233081
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 32.6 26.6 39.8



#65
Chlorobenzene
Concen: 8.417 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion:112 Resp: 40363
Ion Ratio Lower Upper
112 100
114 34.0 25.8 38.6

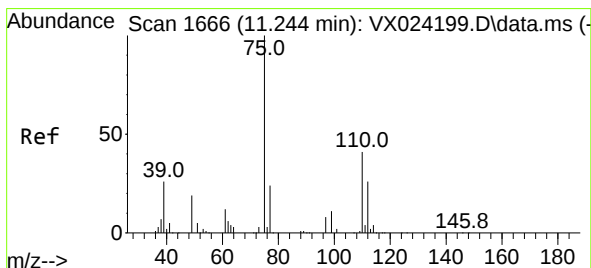
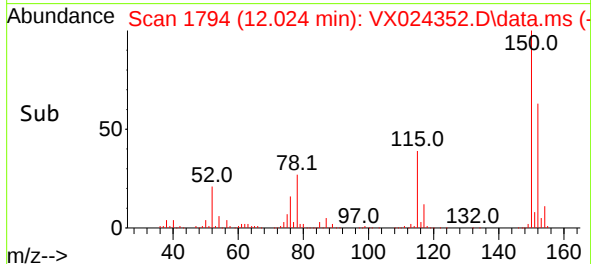
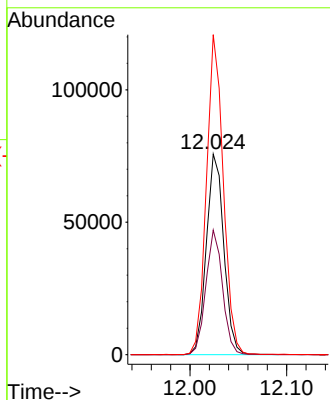
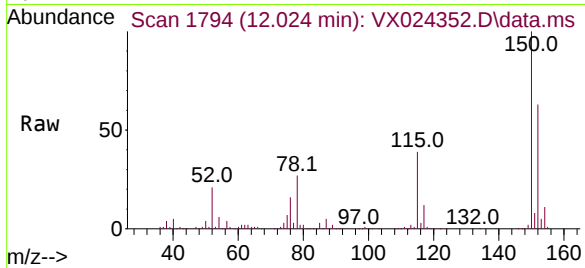




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024352.D
 Acq: 20 Sep 2021 15:42

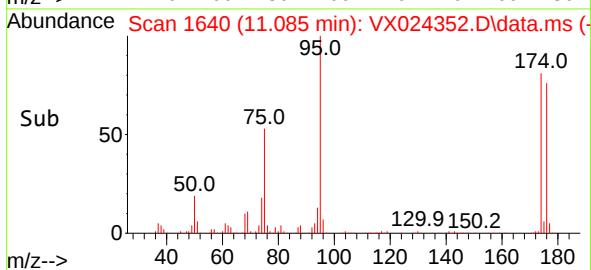
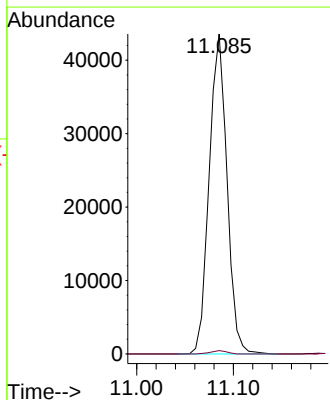
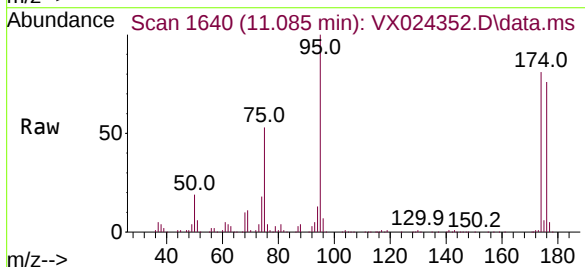
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-03-(1.0)

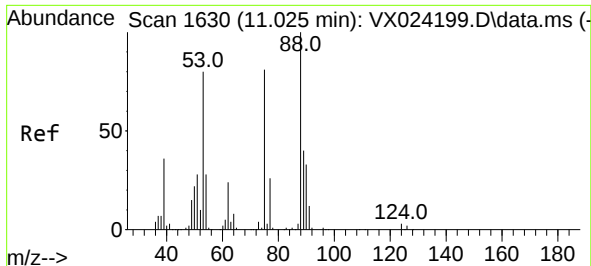
Tgt Ion:152 Resp: 94816
 Ion Ratio Lower Upper
 152 100
 115 59.5 41.1 123.3
 150 154.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.523 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024352.D
 Acq: 20 Sep 2021 15:42

Tgt Ion: 75 Resp: 55645
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

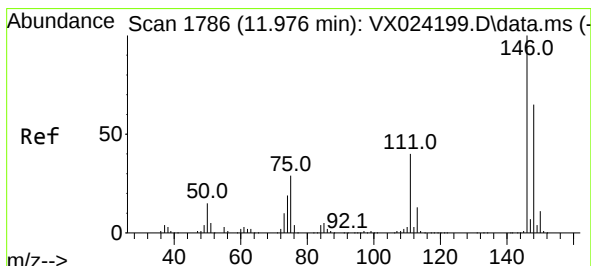
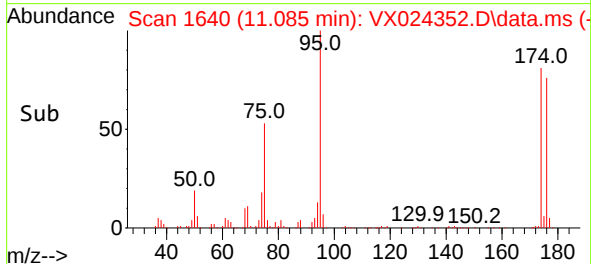
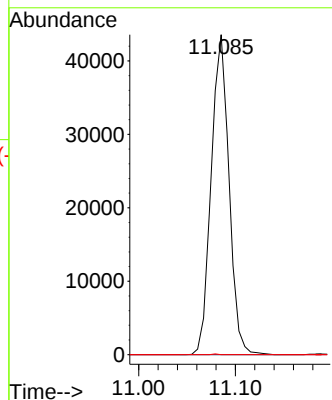
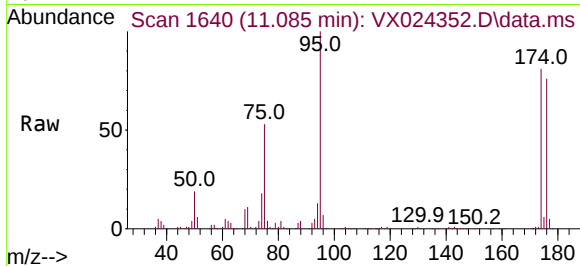




#81
trans-1,4-Dichloro-2-butene
Concen: 75.063 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

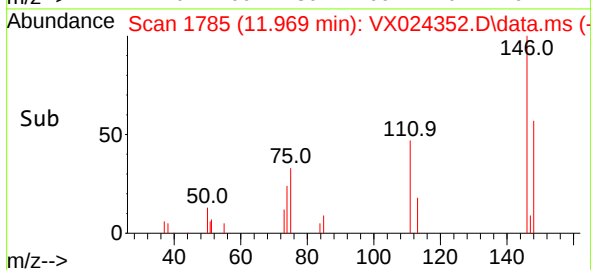
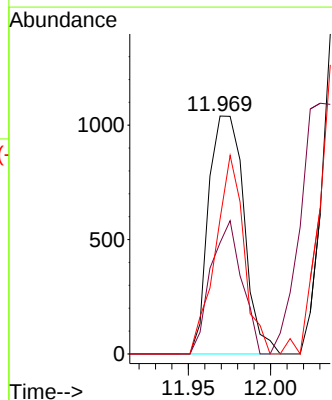
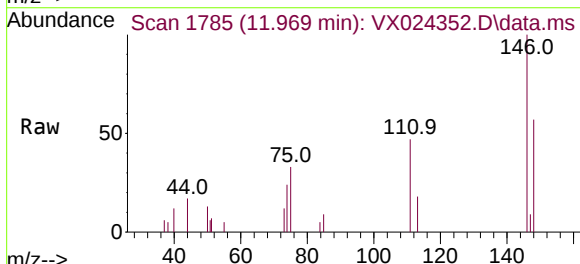
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

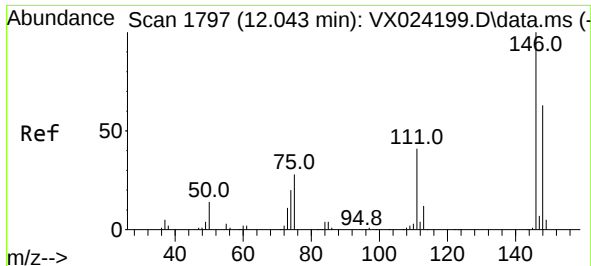
Tgt Ion: 75 Resp: 55645
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.490 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.007 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion: 146 Resp: 1556
Ion Ratio Lower Upper
146 100
111 49.0 20.2 60.5
148 67.5 31.9 95.7

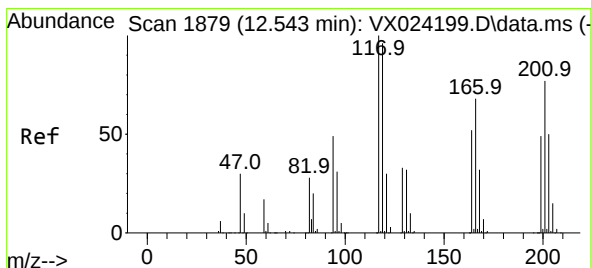
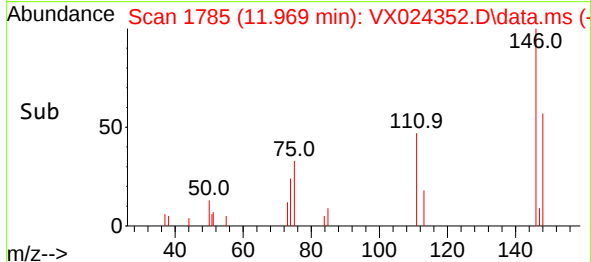
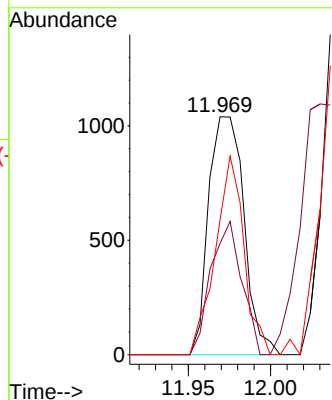
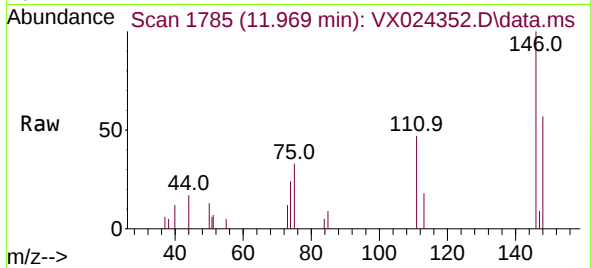




#88
1,4-Dichlorobenzene
Concen: 0.480 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.074 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

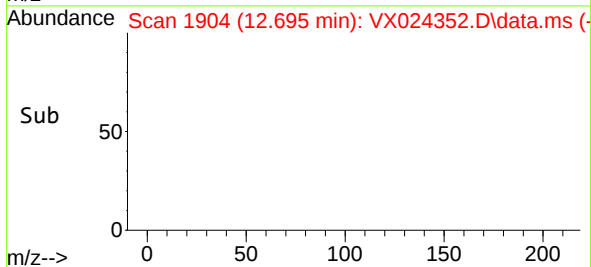
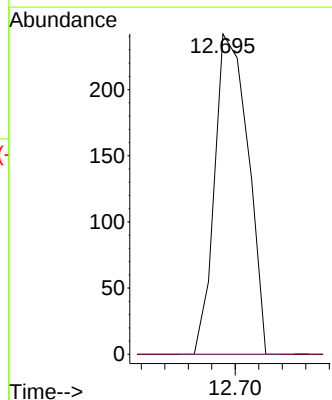
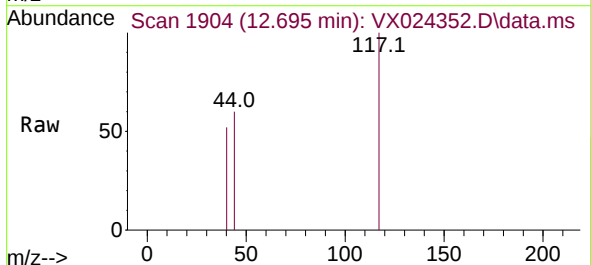
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

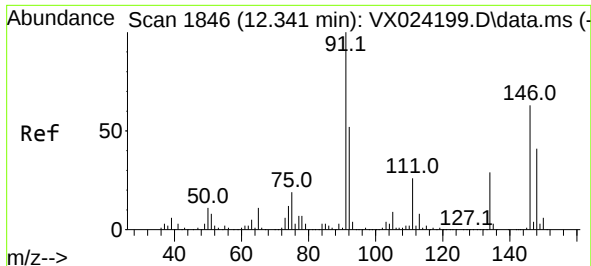
Tgt Ion:146 Resp: 1556
Ion Ratio Lower Upper
146 100
111 49.0 19.6 58.8
148 67.5 31.6 95.0



#90
Hexachloroethane
Concen: 0.246 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.152 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion:117 Resp: 239
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

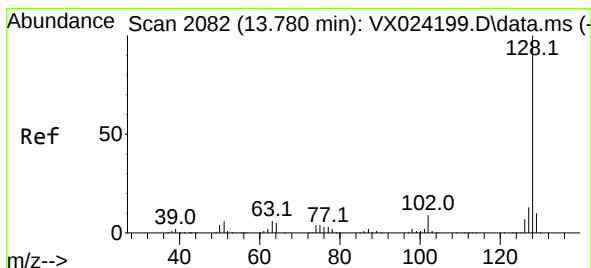
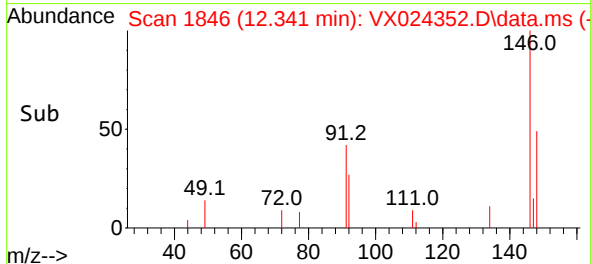
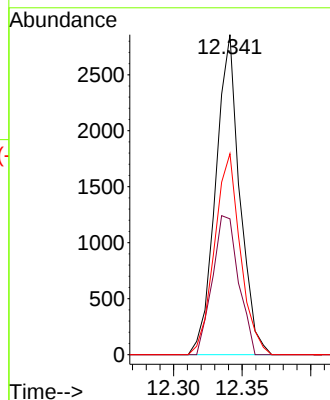
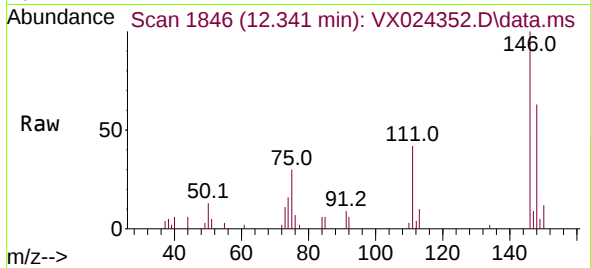




#91
1,2-Dichlorobenzene
Concen: 1.121 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-03-(1.0)

Tgt Ion:146 Resp: 3497
Ion Ratio Lower Upper
146 100
111 46.9 20.8 62.2
148 67.1 31.9 95.5



#95
Naphthalene
Concen: 1.388 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024352.D
Acq: 20 Sep 2021 15:42

Tgt Ion:128 Resp: 700
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 8.6 8.8 13.2#

