

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091621\
 Data File : VX024294.D
 Acq On : 16 Sep 2021 17:40
 Operator : JC/MD
 Sample : M3774-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-04-(1.5)

Quant Time: Sep 17 04:42:02 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	147347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	241602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106450	50.663	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 101.320%		
35) Dibromofluoromethane	5.397	113	82965	48.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 97.260%		
50) Toluene-d8	8.653	98	313916	50.511	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 101.020%		
62) 4-Bromofluorobenzene	11.085	95	102314	42.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 84.600%		
Target Compounds						Qvalue
5) Bromomethane	1.624	94	310	0.354	ug/l #	71
6) Chloroethane	1.672	64	120	2.099	ug/l #	43
8) Diethyl Ether	2.136	74	565	0.661	ug/l	77
10) Methyl Iodide	2.465	142	478	0.238	ug/l #	77
11) Tert butyl alcohol	2.959	59	923	Below Cal	#	73
16) Acetone	2.386	43	8062	8.999	ug/l	92
25) 2-Butanone	4.574	43	1243	0.942	ug/l	98
31) Cyclohexane	5.550	56	3257	1.325	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	11049	4.724	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15380	5.843	ug/l #	15
40) Benzene	6.044	78	30459	4.541	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	953	0.345	ug/l #	85
52) Toluene	8.726	92	971	0.221	ug/l	91
65) Chlorobenzene	10.085	112	49471	9.953	ug/l	97
68) m/p-Xylenes	10.305	106	727	0.218	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	55471	25.746	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55471	75.719	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.750	105	1651	0.285	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	1363	0.434	ug/l	94
88) 1,4-Dichlorobenzene	11.975	146	1363	0.425	ug/l	94
90) Hexachloroethane	12.701	117	323	0.336	ug/l #	9
91) 1,2-Dichlorobenzene	12.341	146	4865	1.579	ug/l	94
95) Naphthalene	13.780	128	285085	42.764	ug/l	99

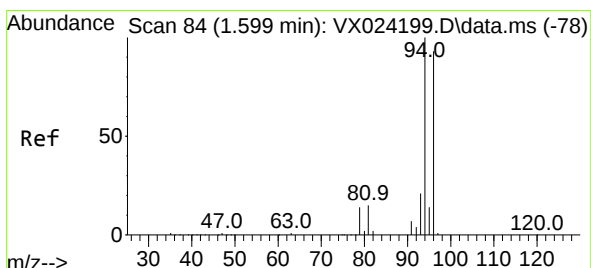
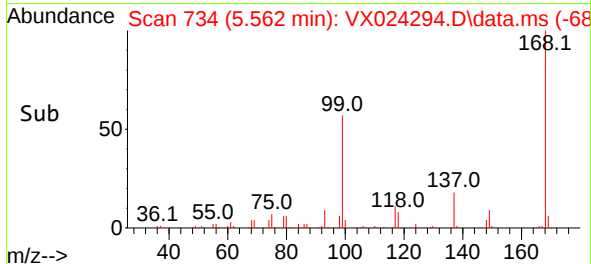
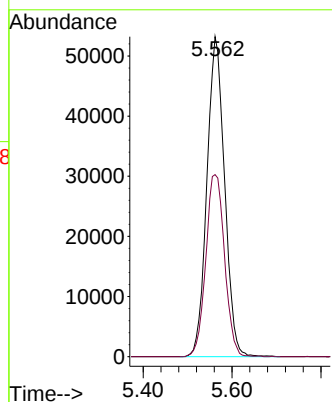
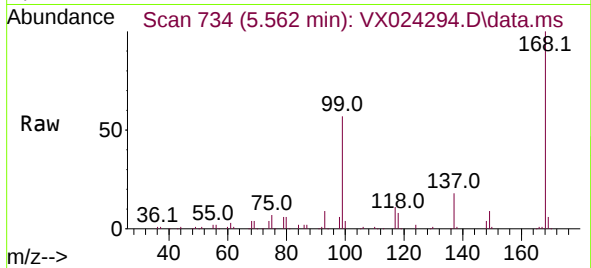
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

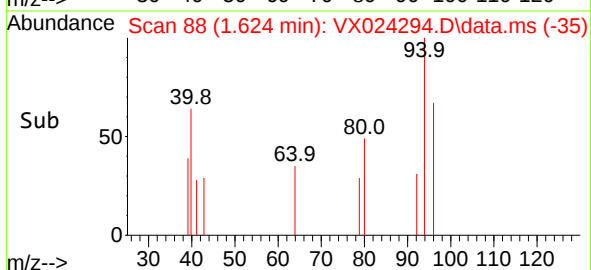
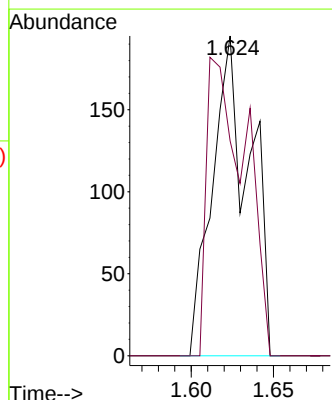
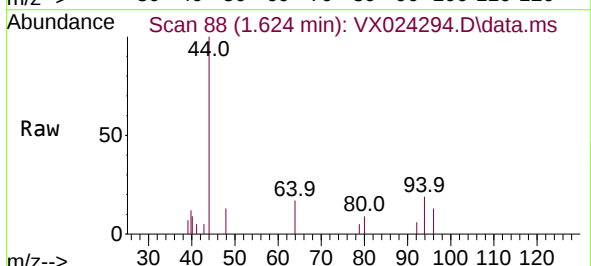
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

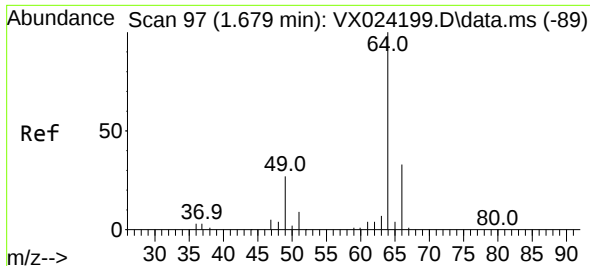
Tgt Ion:168 Resp: 147347
Ion Ratio Lower Upper
168 100
99 56.9 45.8 68.6



#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 94 Resp: 310
Ion Ratio Lower Upper
94 100
96 67.2 76.4 114.6#

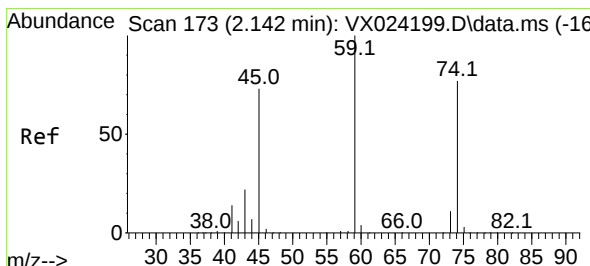
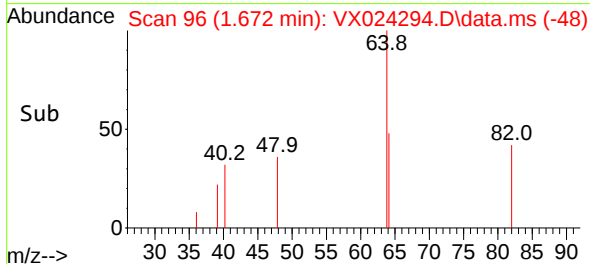
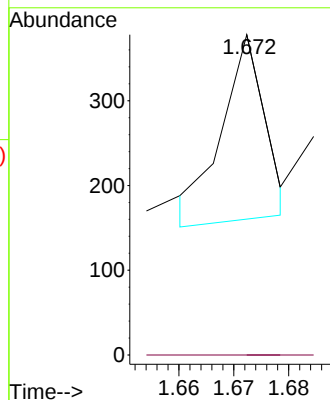
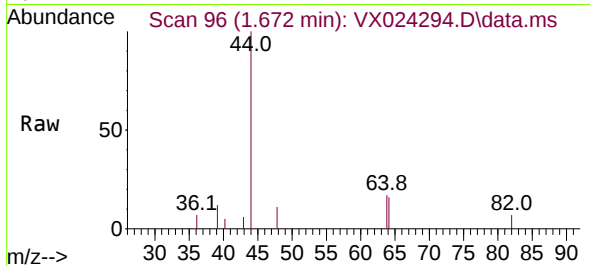




#6
Chloroethane
Concen: 2.099 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

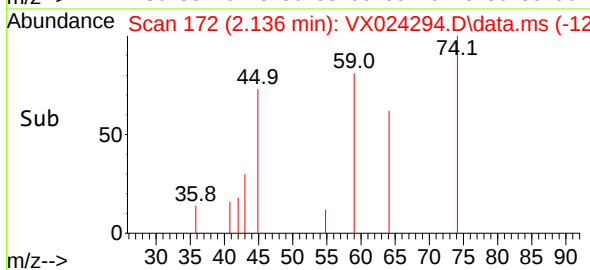
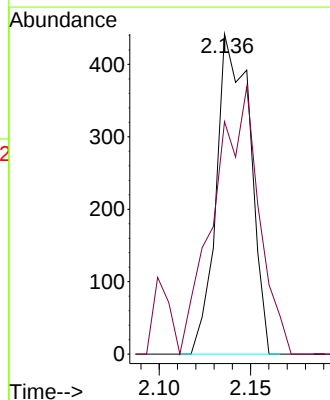
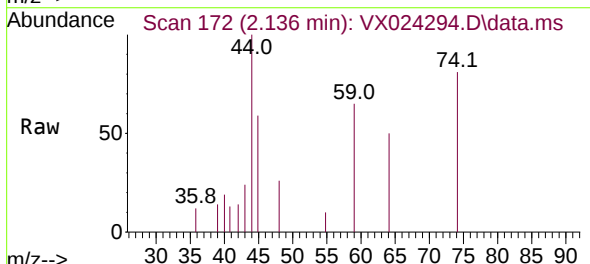
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

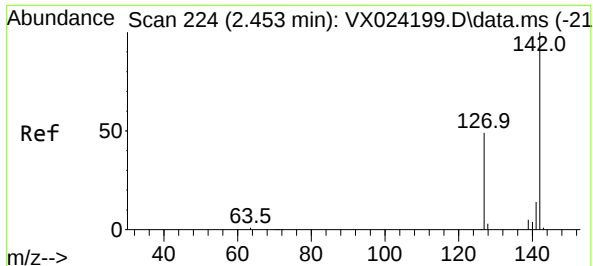
Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#8
Diethyl Ether
Concen: 0.661 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 74 Resp: 565
Ion Ratio Lower Upper
74 100
45 111.0 44.5 133.5

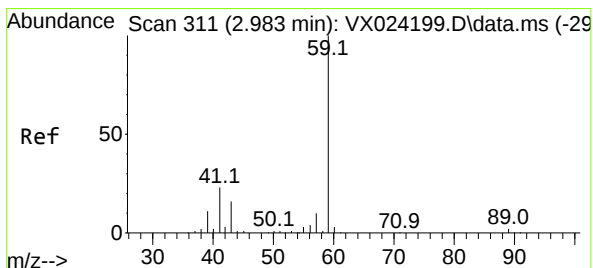
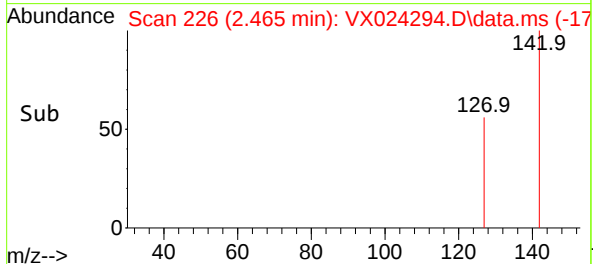
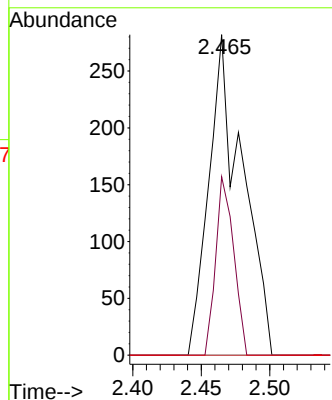
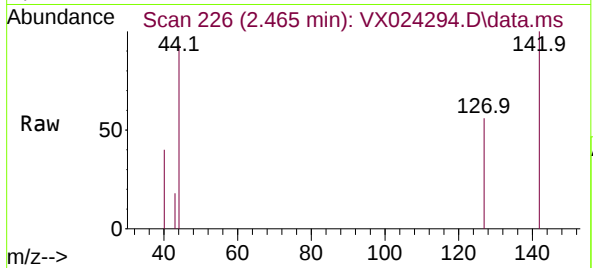




#10
Methyl Iodide
Concen: 0.238 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

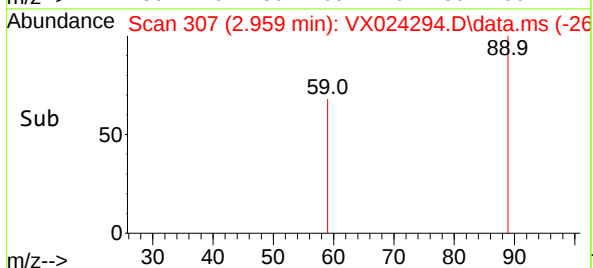
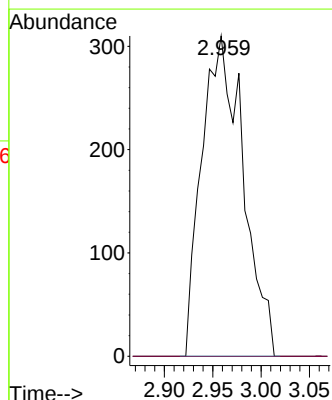
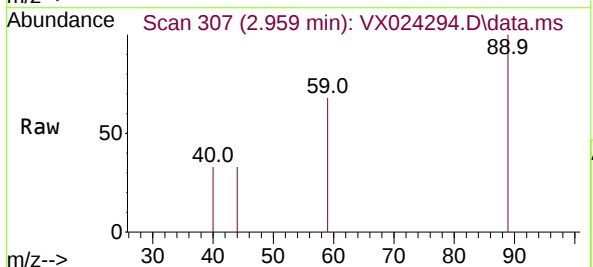
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

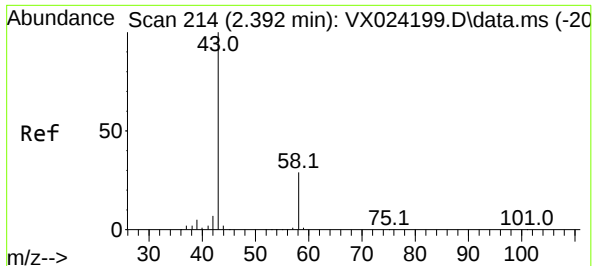
Tgt Ion:142 Resp: 478
Ion Ratio Lower Upper
142 100
127 29.9 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 59 Resp: 923
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

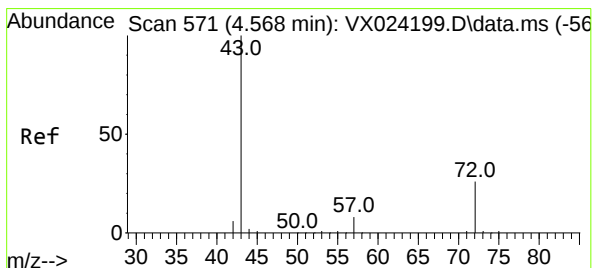
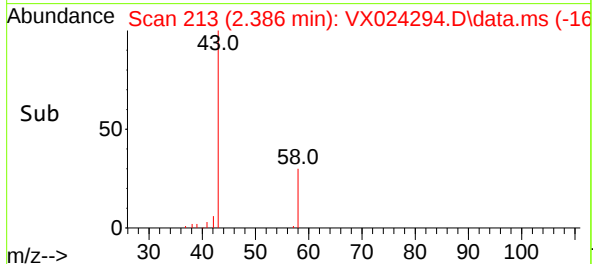
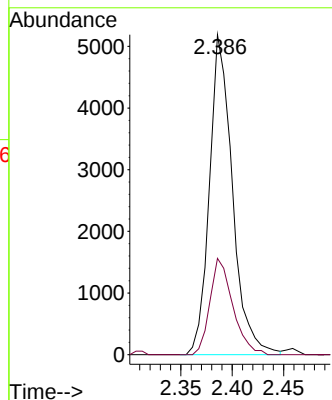
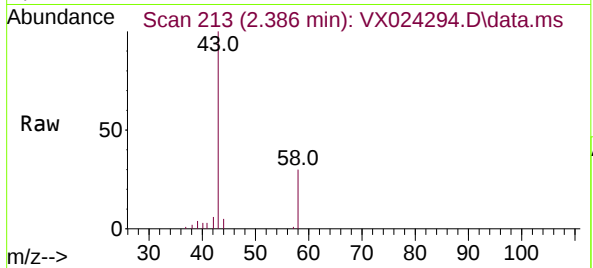




#16
Acetone
Concen: 8.999 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

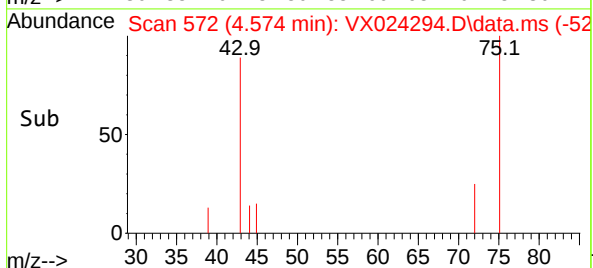
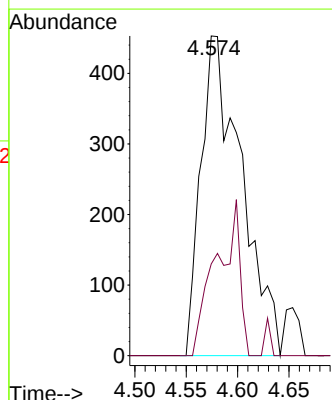
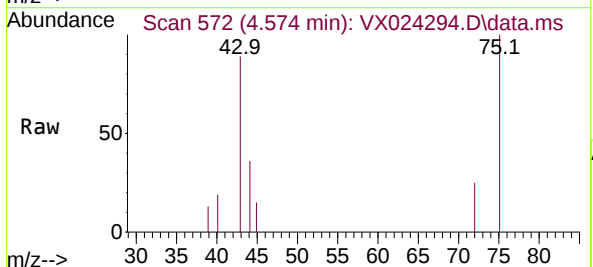
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

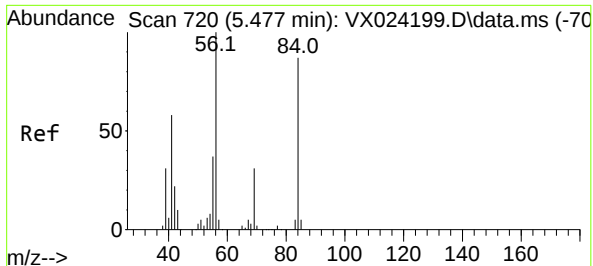
Tgt Ion: 43 Resp: 8062
Ion Ratio Lower Upper
43 100
58 30.1 27.8 41.8



#25
2-Butanone
Concen: 0.942 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5

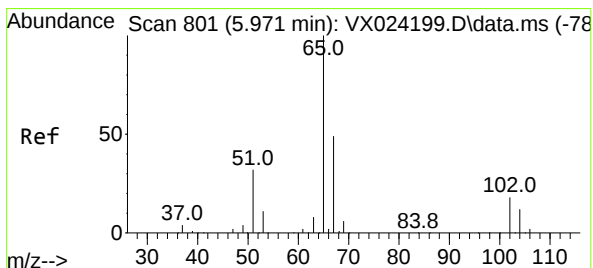
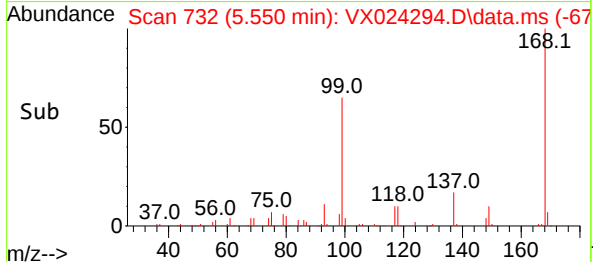
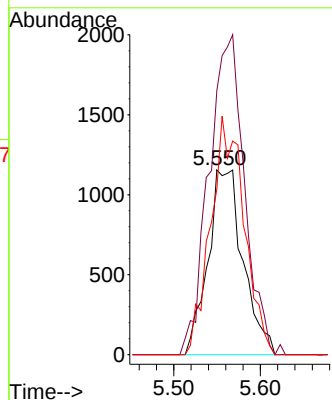
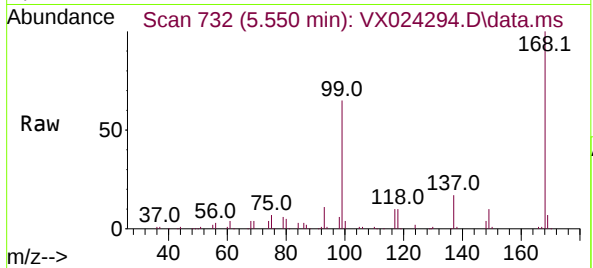




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

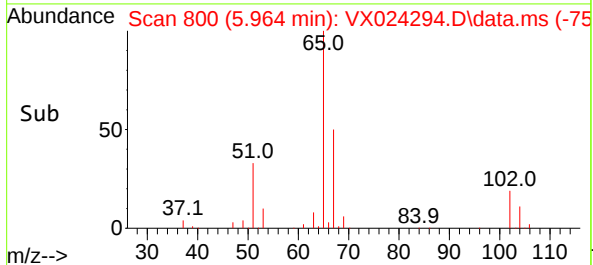
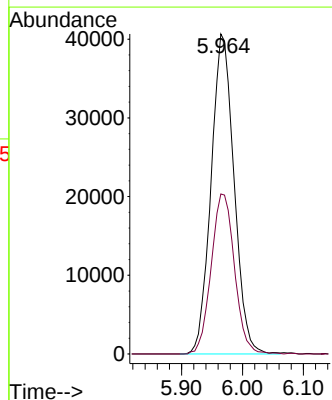
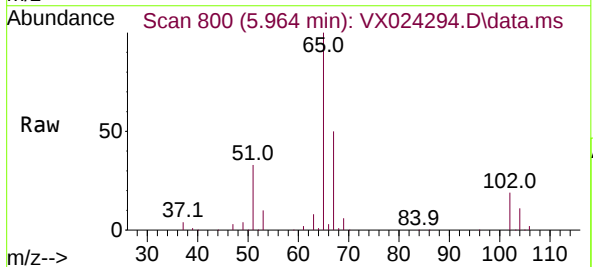
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

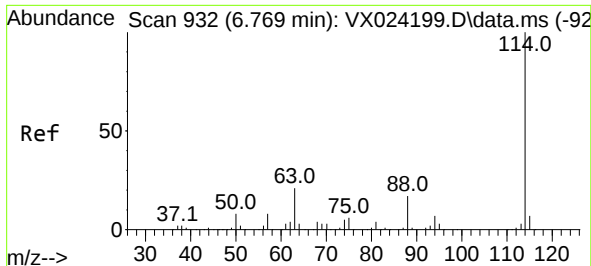
Tgt Ion: 56 Resp: 3257
Ion Ratio Lower Upper
56 100
69 142.9 25.3 37.9#
84 89.7 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.663 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 65 Resp: 106450
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

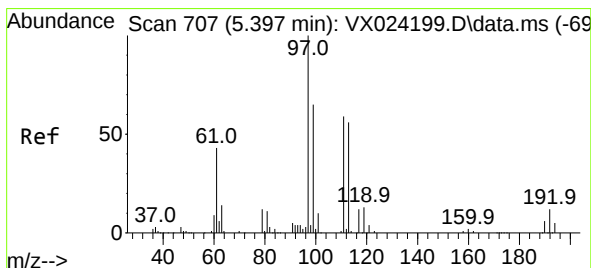
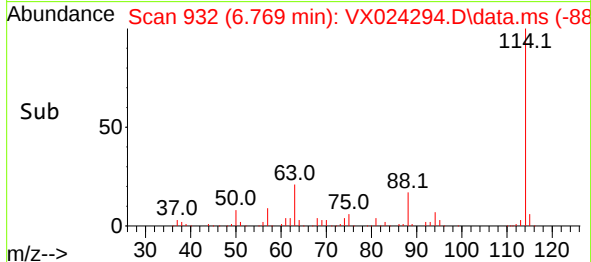
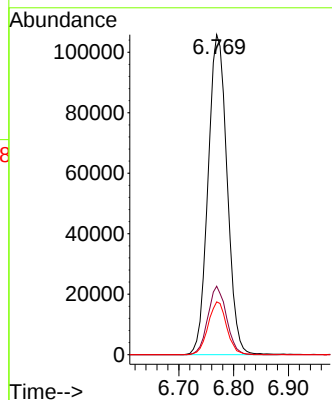
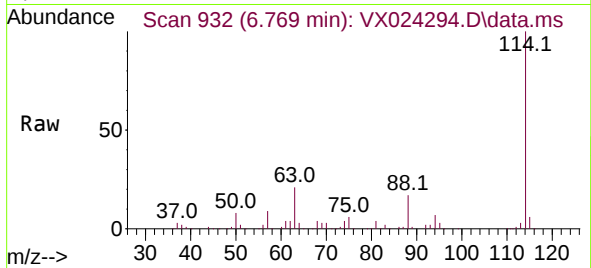




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

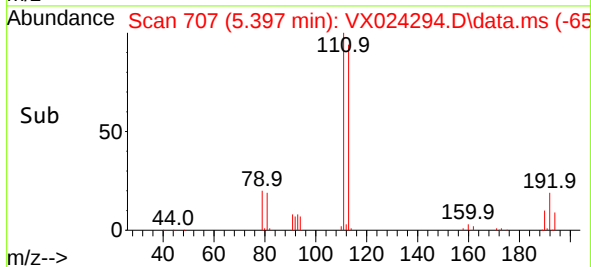
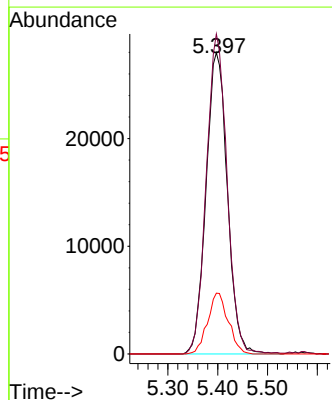
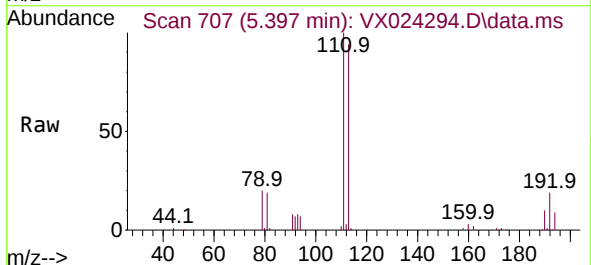
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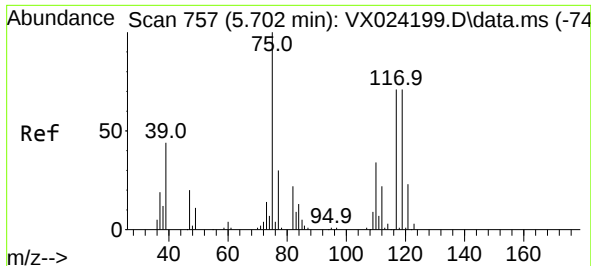
Tgt Ion:114 Resp: 254381
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.632 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion:113 Resp: 82965
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.5 16.7 25.1

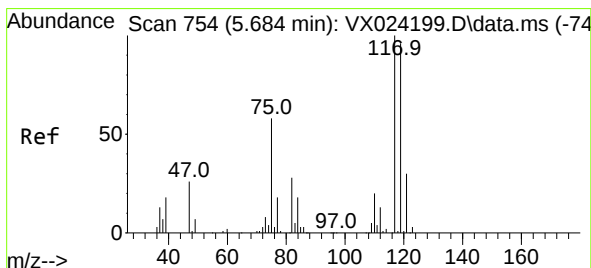
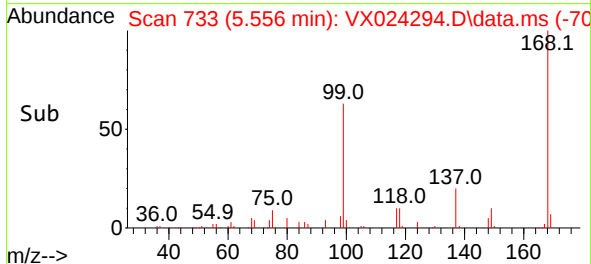
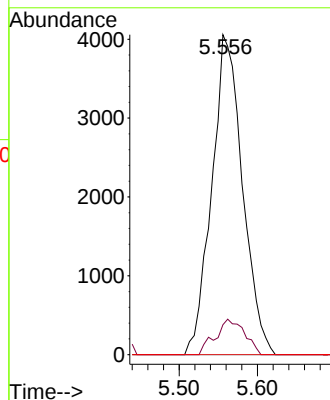
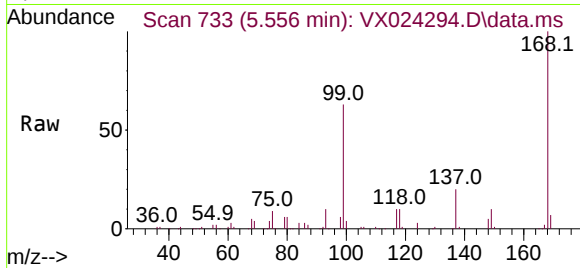




#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

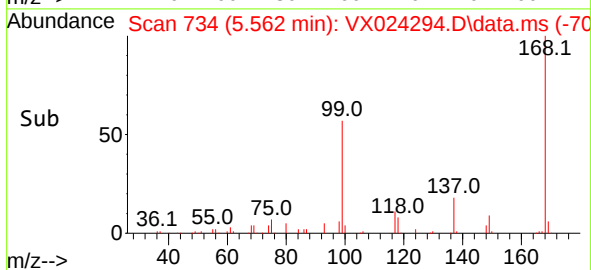
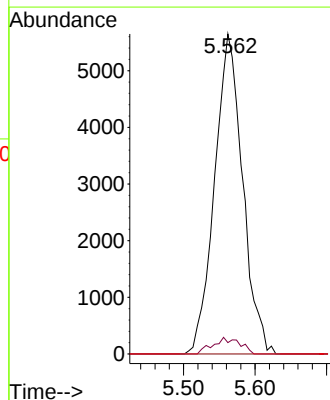
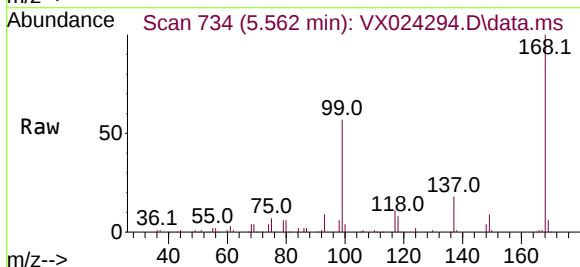
Instrument :
MSVOA_X
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SW-CB-04-(1.5)

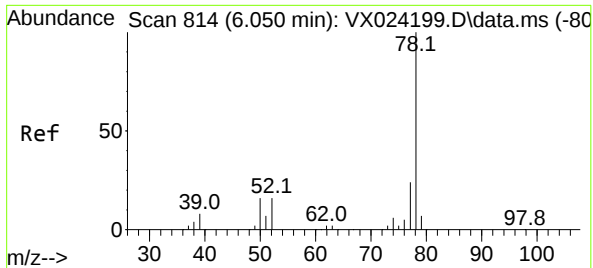
Tgt Ion: 75 Resp: 11049
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 117 Resp: 15380
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#

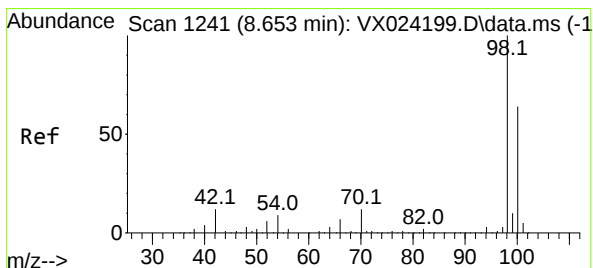
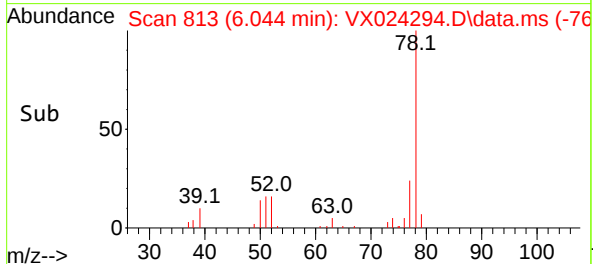
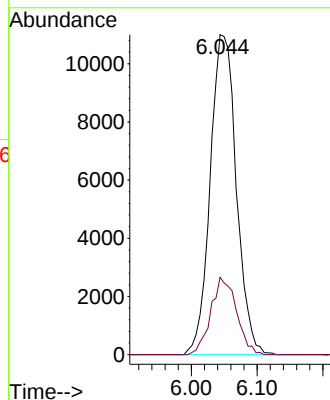
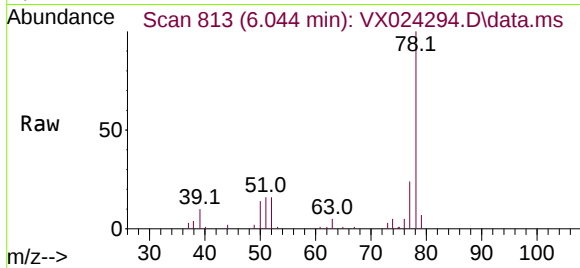




#40
Benzene
Concen: 4.541 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

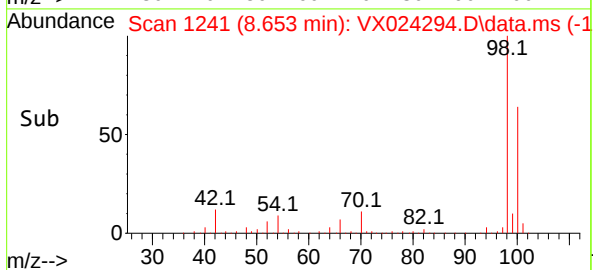
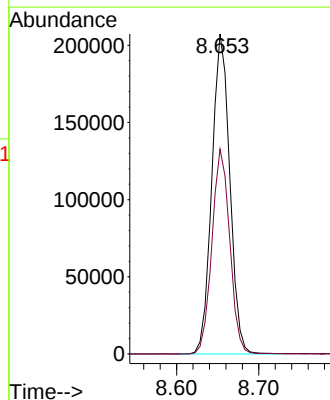
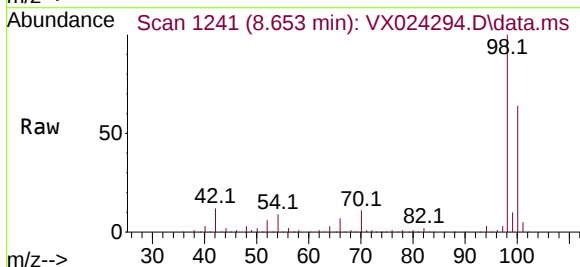
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

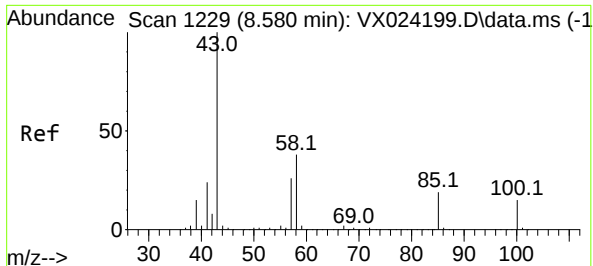
Tgt Ion: 78 Resp: 30459
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3



#50
Toluene-d8
Concen: 50.511 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 98 Resp: 313916
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

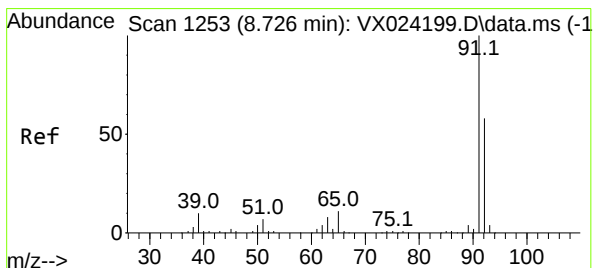
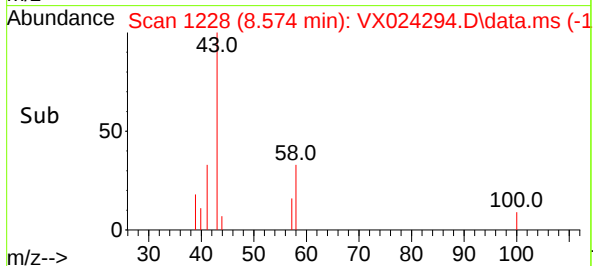
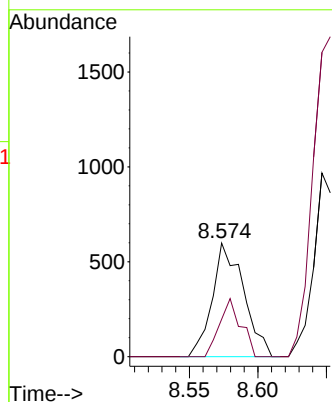
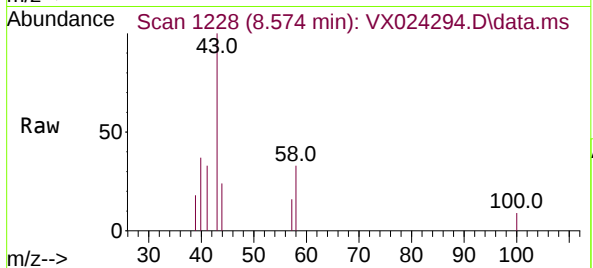




#51
4-Methyl-2-Pentanone
Concen: 0.345 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

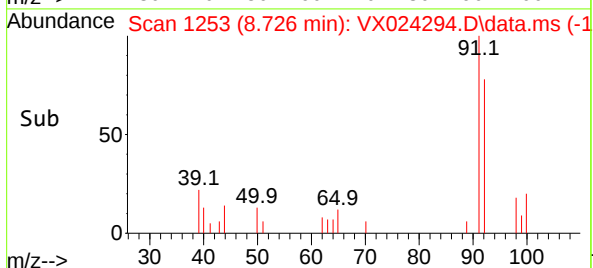
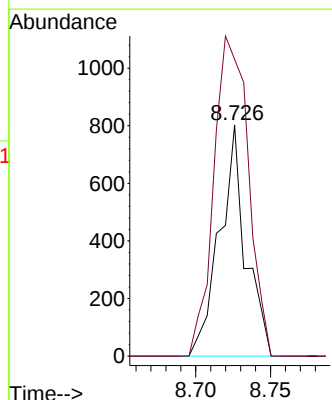
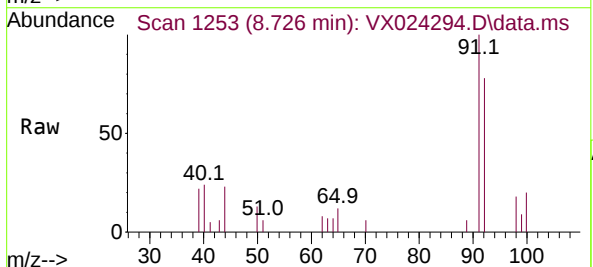
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

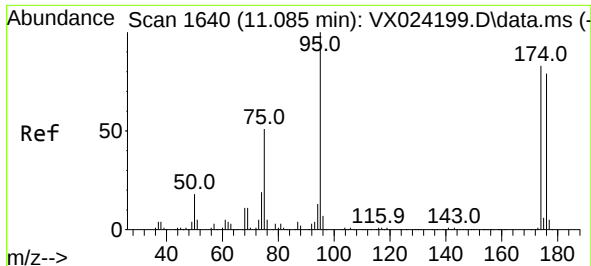
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
58 34.6 35.4 53.0#



#52
Toluene
Concen: 0.221 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 92 Resp: 971
Ion Ratio Lower Upper
92 100
91 183.2 137.1 205.7

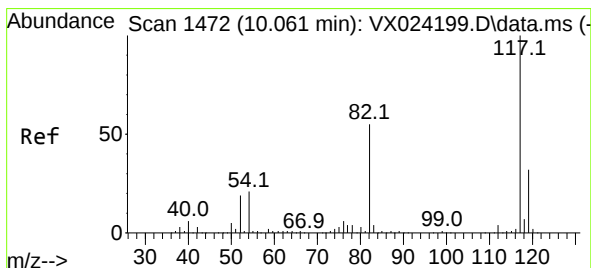
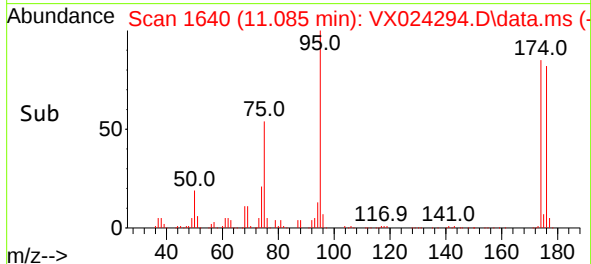
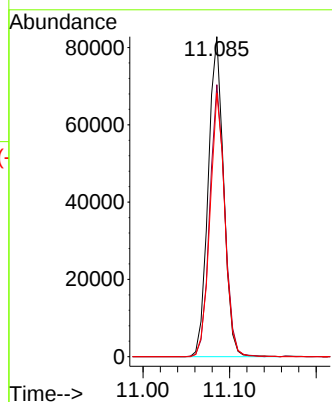
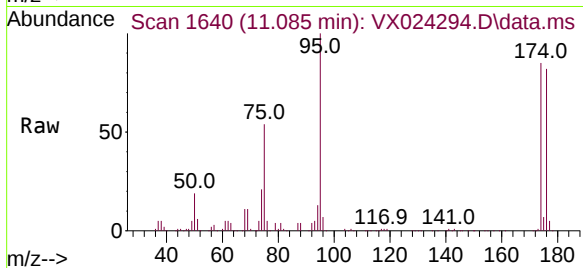




#62
4-Bromofluorobenzene
Concen: 42.303 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

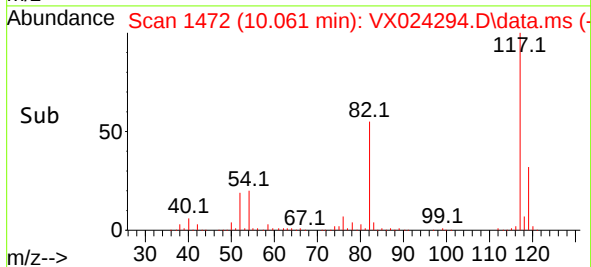
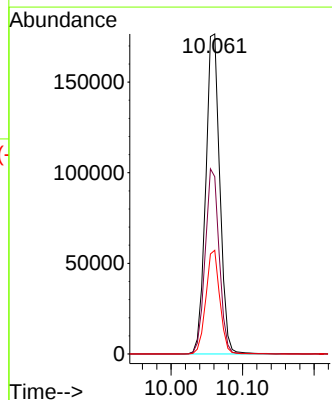
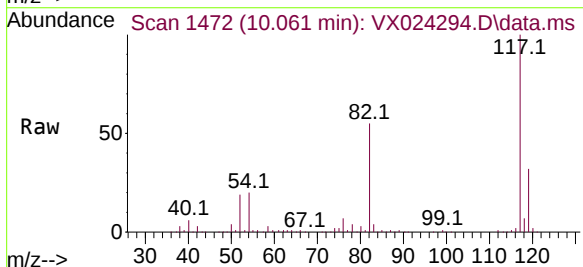
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

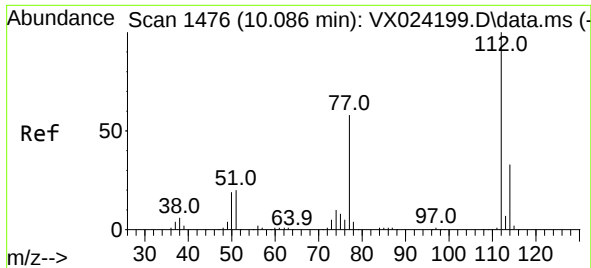
Tgt Ion: 95 Resp: 102314
Ion Ratio Lower Upper
95 100
174 82.5 0.0 154.6
176 79.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion: 117 Resp: 241602
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 32.4 26.6 39.8

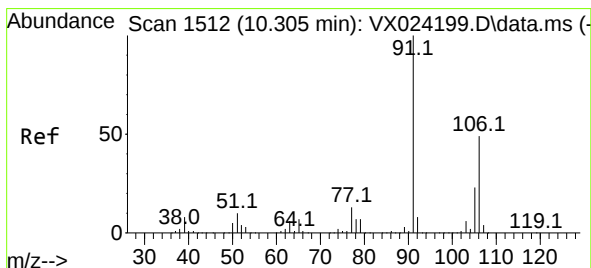
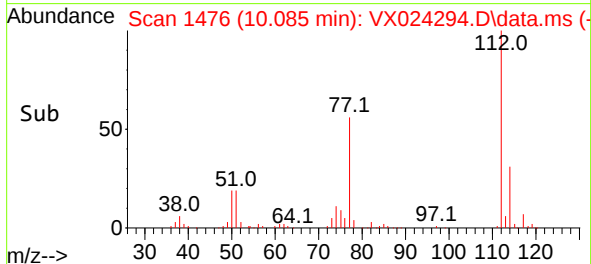
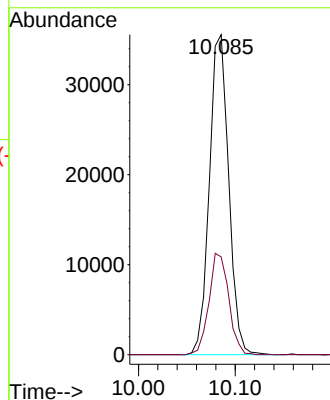
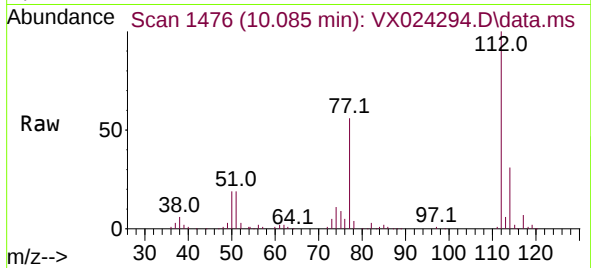




#65
Chlorobenzene
Concen: 9.953 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

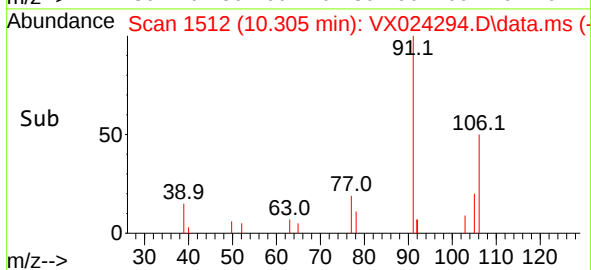
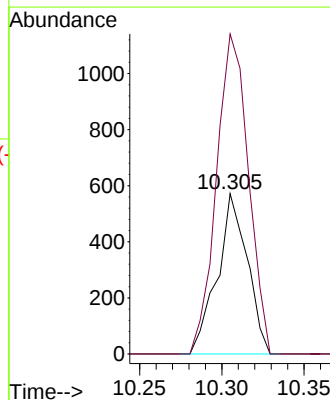
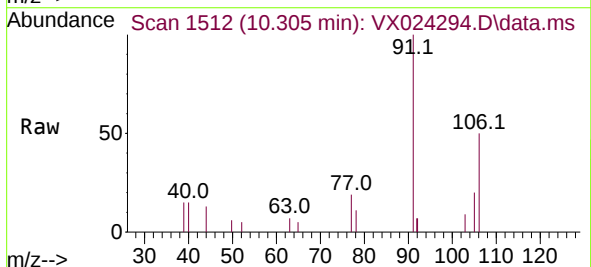
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

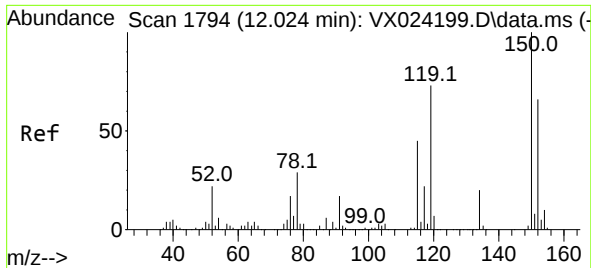
Tgt Ion:112 Resp: 49471
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.6



#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion:106 Resp: 727
Ion Ratio Lower Upper
106 100
91 212.4 162.8 244.2

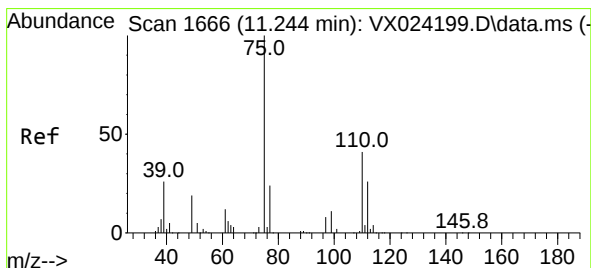
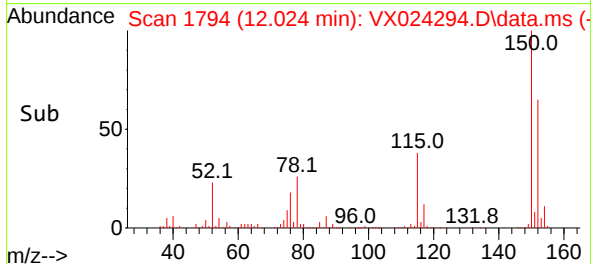
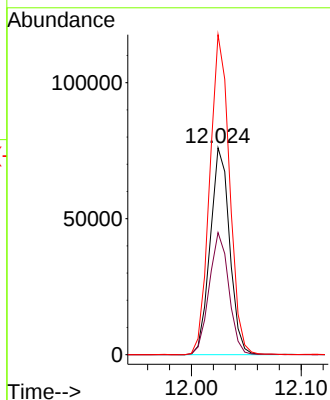
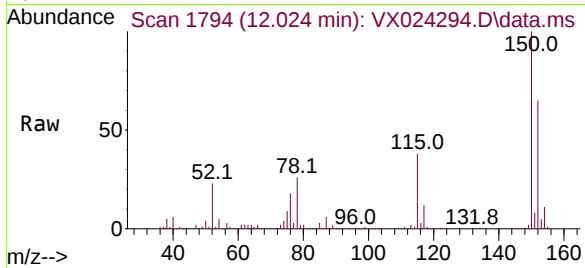




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024294.D
 Acq: 16 Sep 2021 17:40

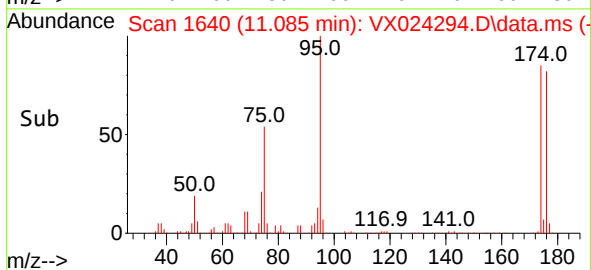
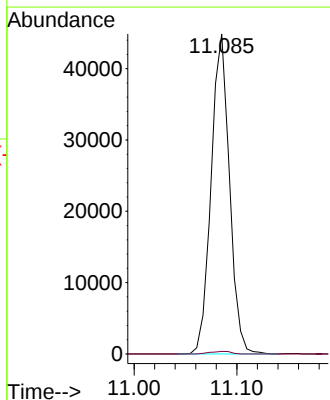
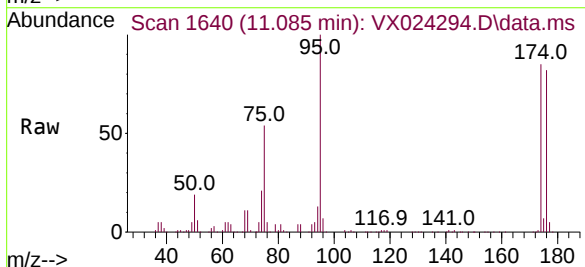
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-04-(1.5)

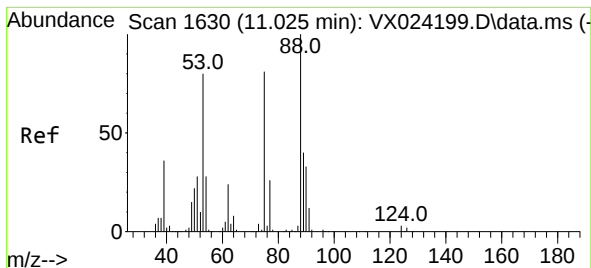
Tgt Ion:152 Resp: 93700
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.1 123.3
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.746 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024294.D
 Acq: 16 Sep 2021 17:40

Tgt Ion: 75 Resp: 55471
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

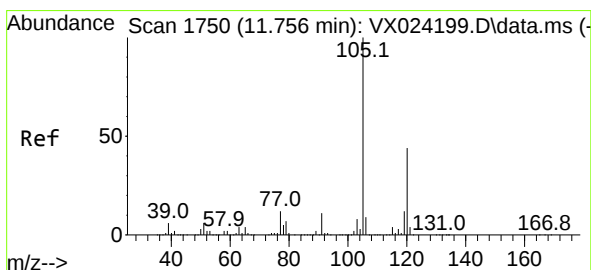
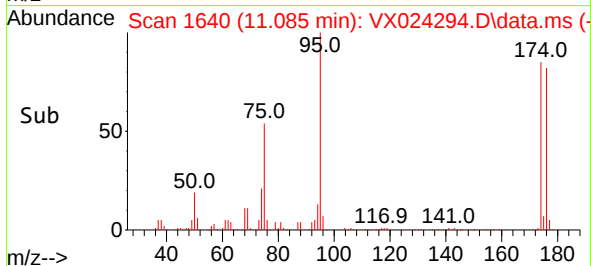
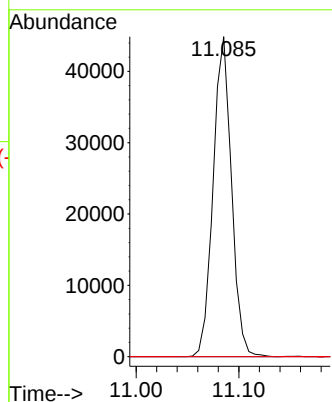
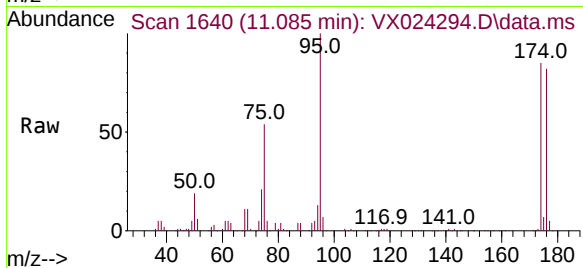




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.719 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX024294.D
 Acq: 16 Sep 2021 17:40

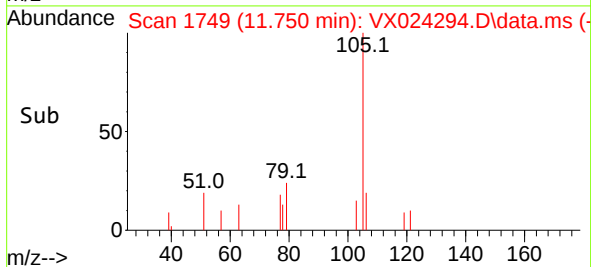
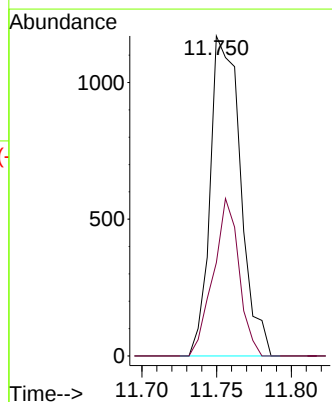
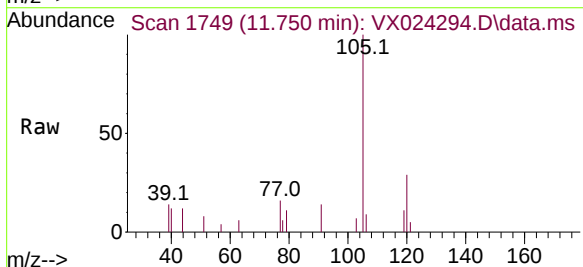
Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-04-(1.5)

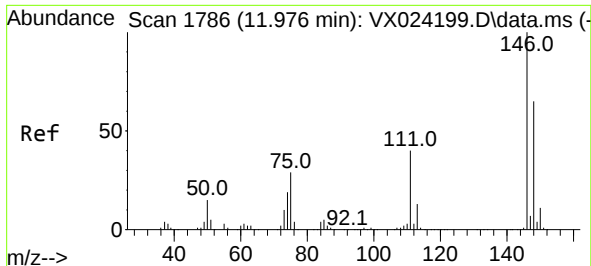
Tgt Ion: 75 Resp: 55471
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.285 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.006 min
 Lab File: VX024294.D
 Acq: 16 Sep 2021 17:40

Tgt Ion: 105 Resp: 1651
 Ion Ratio Lower Upper
 105 100
 120 41.7 22.4 67.3

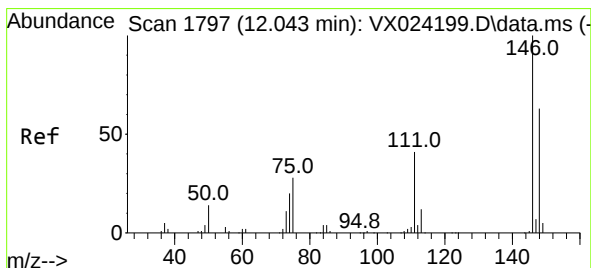
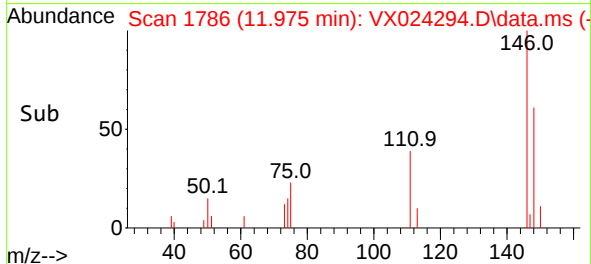
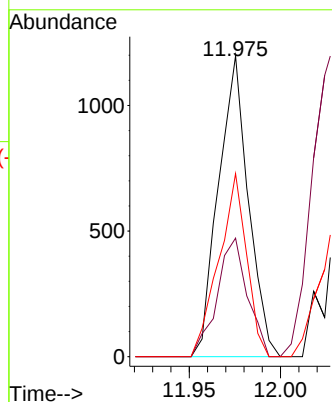
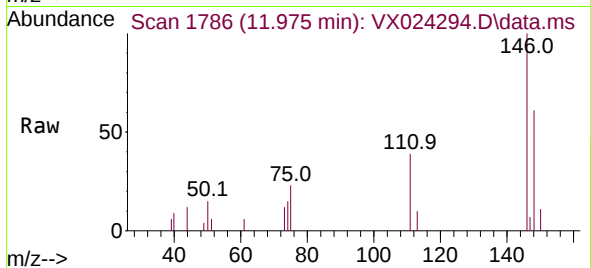




#87
1,3-Dichlorobenzene
Concen: 0.434 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.001 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

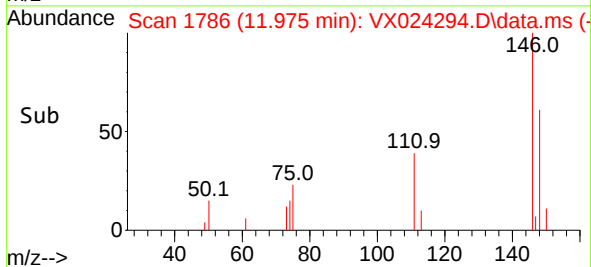
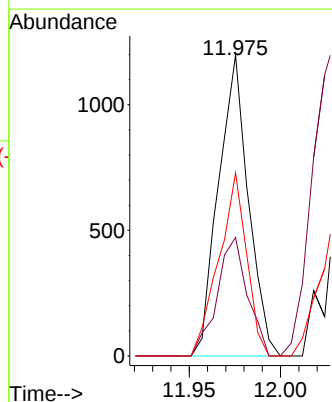
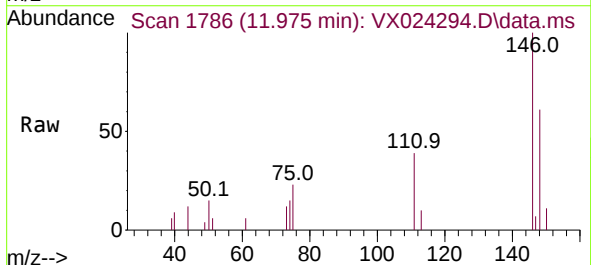
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

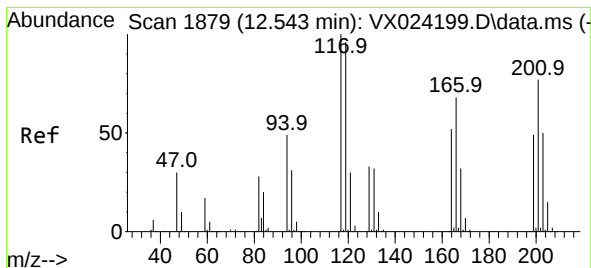
Tgt Ion:146 Resp: 1363
Ion Ratio Lower Upper
146 100
111 40.2 20.2 60.5
148 56.7 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 0.425 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.068 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Tgt Ion:146 Resp: 1363
Ion Ratio Lower Upper
146 100
111 40.2 19.6 58.8
148 56.7 31.6 95.0





#90

Hexachloroethane

Concen: 0.336 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.158 min

Lab File: VX024294.D

Acq: 16 Sep 2021 17:40

Instrument :

MSVOA_X

ClientSampleId :

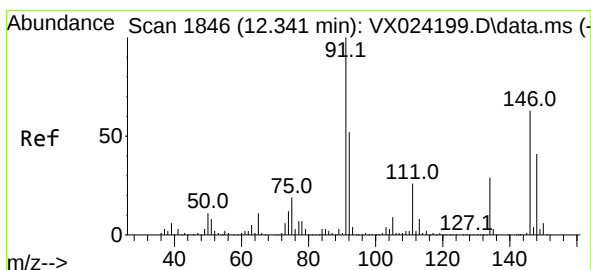
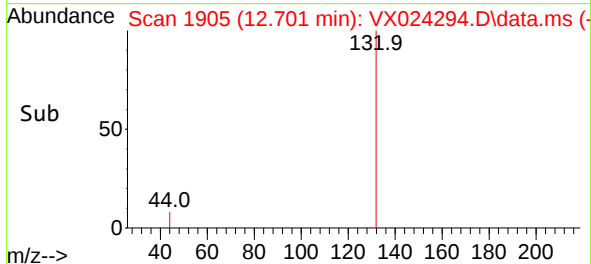
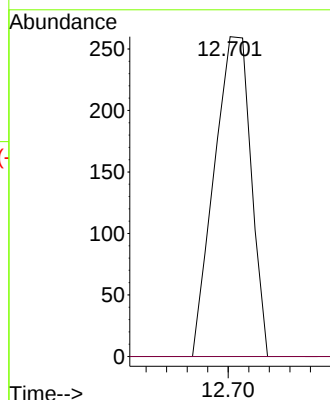
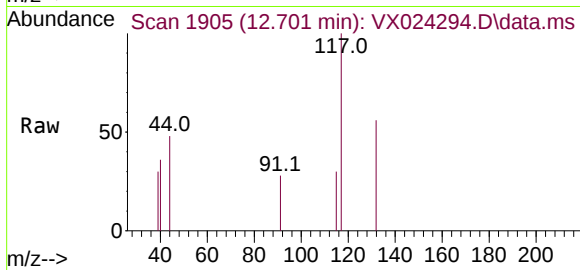
SW-CB-04-(1.5)

Tgt Ion:117 Resp: 323

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



#91

1,2-Dichlorobenzene

Concen: 1.579 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VX024294.D

Acq: 16 Sep 2021 17:40

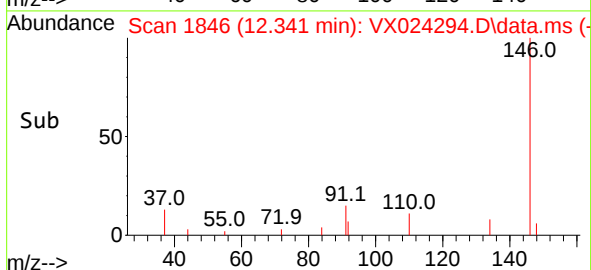
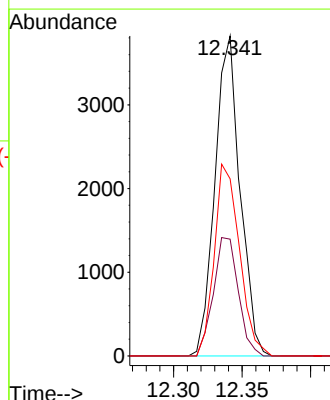
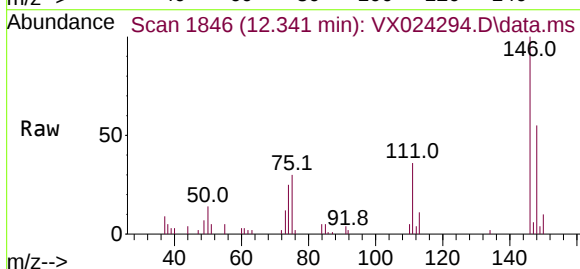
Tgt Ion:146 Resp: 4865

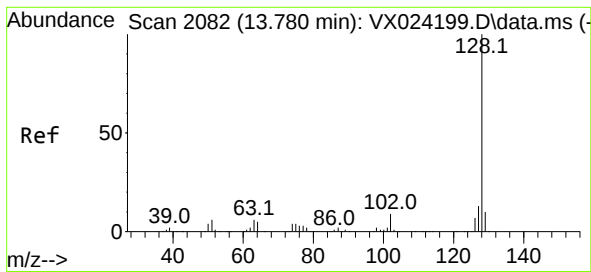
Ion Ratio Lower Upper

146 100

111 36.7 20.8 62.2

148 60.1 31.9 95.5





#95
Naphthalene
Concen: 42.764 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024294.D
Acq: 16 Sep 2021 17:40

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

Tgt Ion:128	Resp:	285085
Ion	Ratio	Lower Upper
128	100	
127	12.7	10.3 15.5
129	10.5	8.8 13.2

