

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030920\
 Data File : VV014776.D
 Acq On : 09 Mar 2020 15:00
 Operator : SY/MD
 Sample : L1834-18
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL1

Quant Time: Mar 10 14:48:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	435526	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	437458	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	241403	50.00	ug/L	0.00

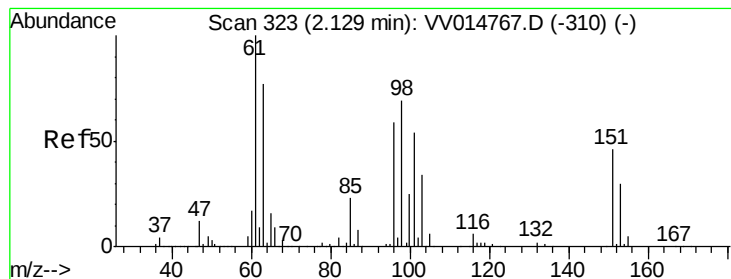
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126724	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.00%
7) Chloroethane-d5	1.58	69	104257	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.48%
11) 1,1-Dichloroethene-d2	2.12	63	163755	33.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.88%
21) 2-Butanone-d5	3.94	46	210147	95.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.60%
24) Chloroform-d	4.38	84	257324	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.22%
26) 1,2-Dichloroethane-d4	5.06	65	178592	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
32) Benzene-d6	5.08	84	552812	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
36) 1,2-Dichloropropane-d6	6.10	67	171082	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.38%
41) Toluene-d8	7.34	98	532681	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%
43) trans-1,3-Dichloropropene-	7.64	79	83594	44.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.44%
47) 2-Hexanone-d5	8.12	63	170569	100.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.35%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	239524	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	232638	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1632	0.67	ug/L #	16
25) Chloroform	4.41	83	205609	34.77	ug/L	100
27) 1,2-Dichloroethane	5.13	62	53148	11.60	ug/L #	75
31) Carbon tetrachloride	4.86	117	11913	2.77	ug/L	96
33) Benzene	5.13	78	6032887	476.03	ug/L	100
35) Methylcyclohexane	6.10	83	41578	7.61	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	4759	0.89	ug/L #	63
51) Chlorobenzene	8.90	112	7215577	802.09	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	1764963	226.09	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	7243486	921.00	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	10700607	1376.83	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.42	75	4799	3.64	ug/L #	2
68) 1,2,4-trichlorobenzene	13.28	180	1307119	235.55	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	619856	112.07	ug/L	100

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.67 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

Instrument :

MSVOA_V

ClientSampled :

C0DL1

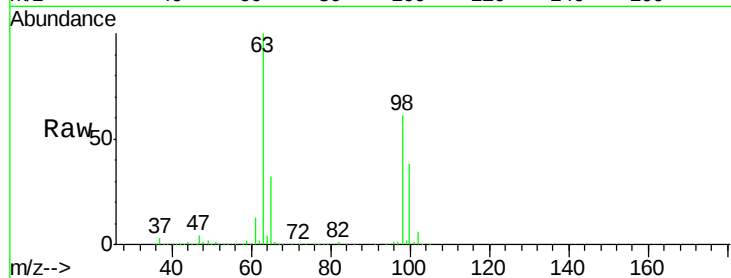
Tgt Ion: 101 Resp: 1632

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

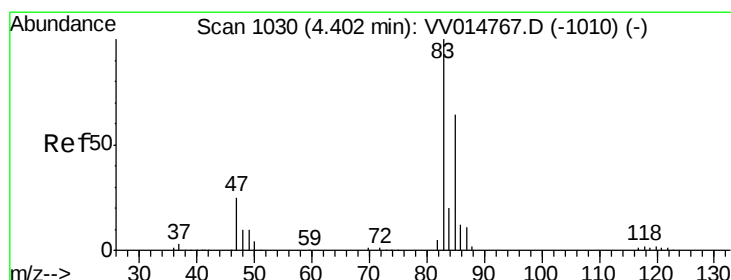
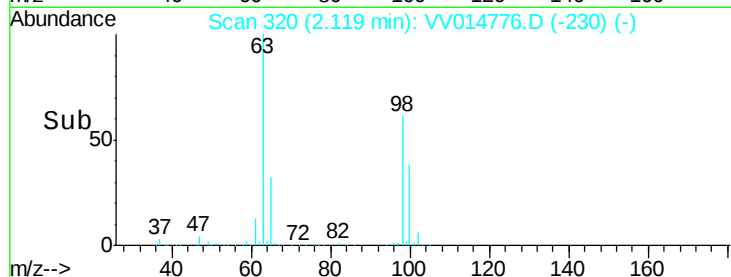
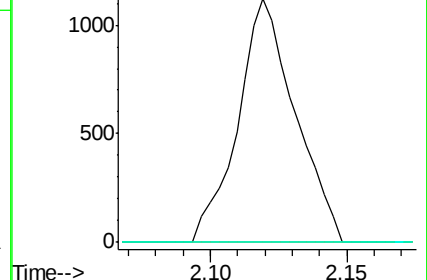
151 0.0 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 34.77 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV014776.D

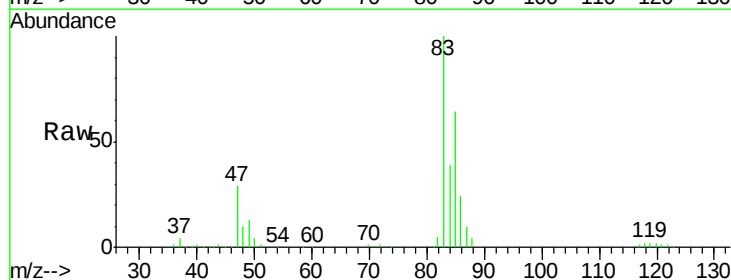
Acq: 09 Mar 2020 15:00

Tgt Ion: 83 Resp: 205609

Ion Ratio Lower Upper

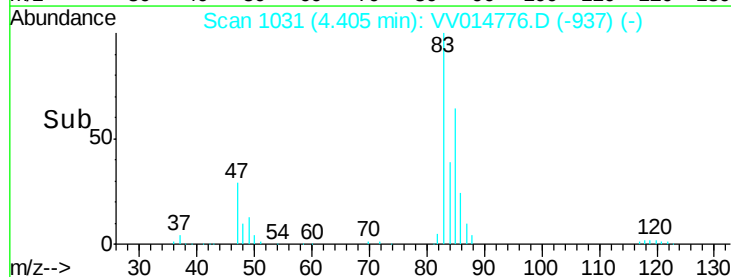
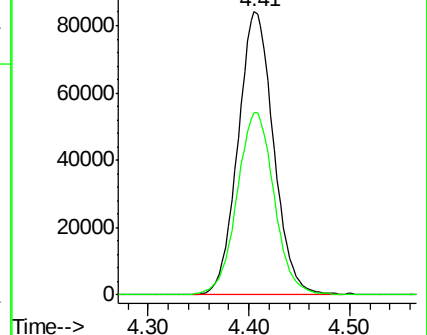
83 100

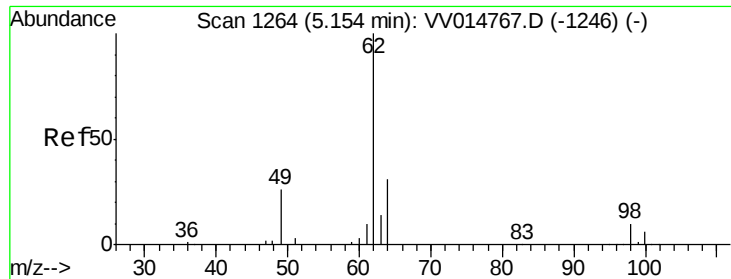
85 64.4 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 11.60 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.03 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

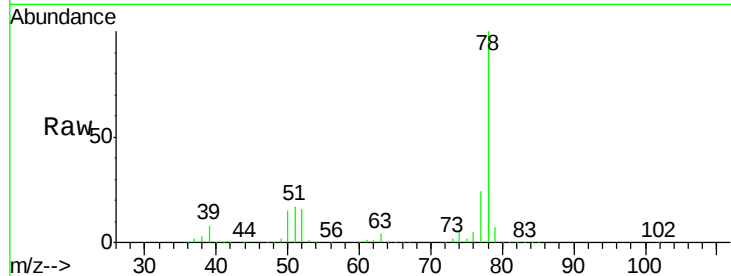
C0DL1

Tgt Ion: 62 Resp: 53148

Ion Ratio Lower Upper

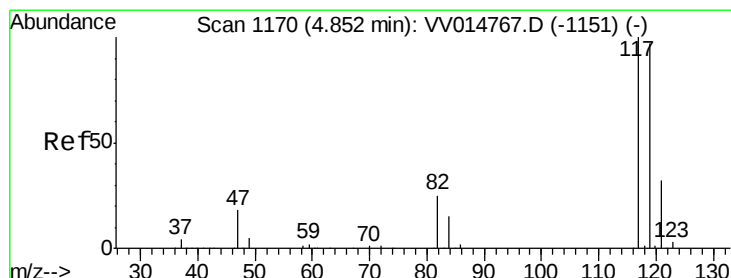
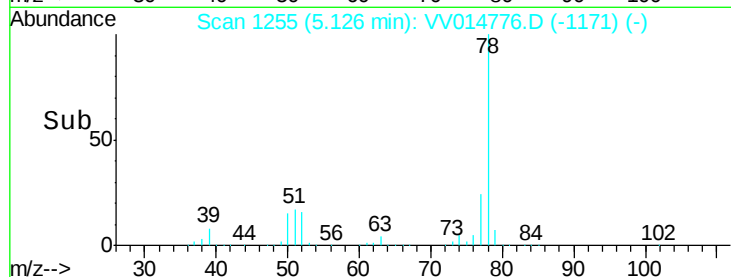
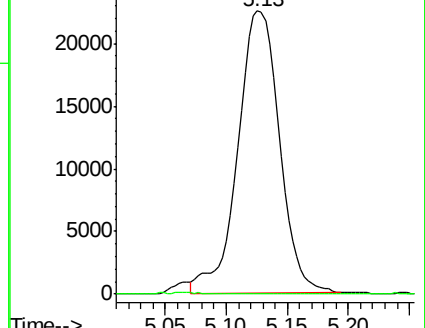
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV014776.D (-1246) (-)

Ion 98.00 (97.70 to 98.70): VV014776.D (-1246) (-)



#31

Carbon tetrachloride

Concen: 2.77 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV014776.D

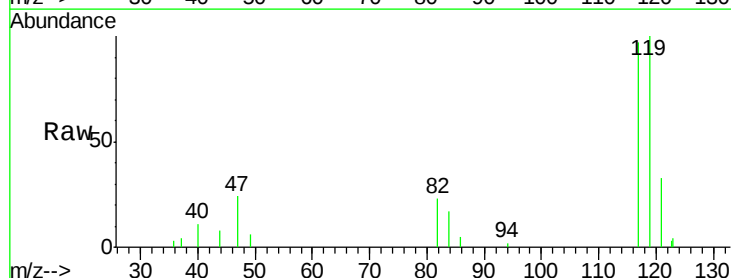
Acq: 09 Mar 2020 15:00

Tgt Ion: 117 Resp: 11913

Ion Ratio Lower Upper

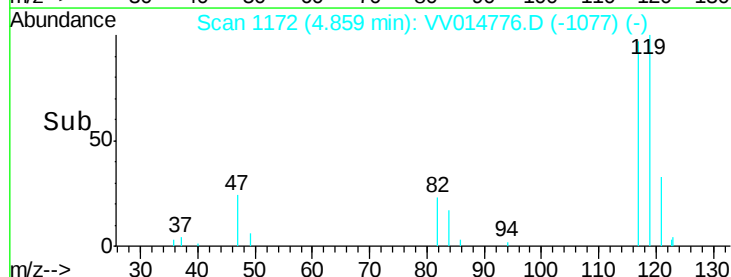
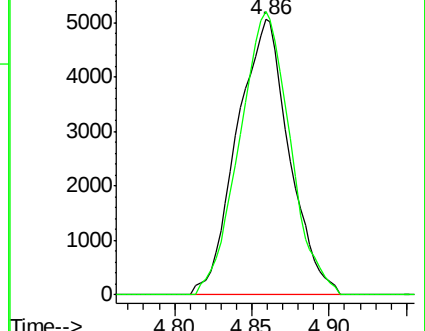
117 100

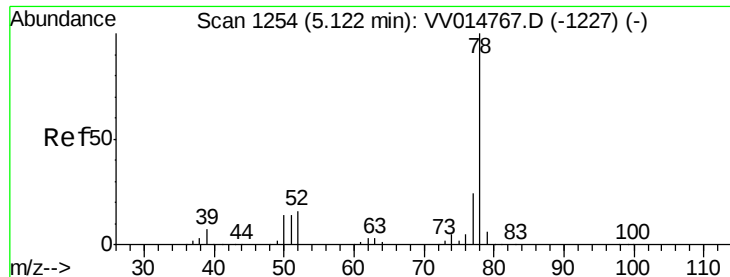
119 99.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): VV014776.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV014776.D (-1077) (-)





#33

Benzene

Concen: 476.03 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

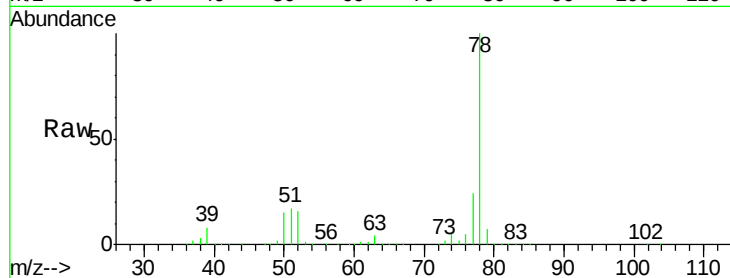
Instrument :

MSVOA_V

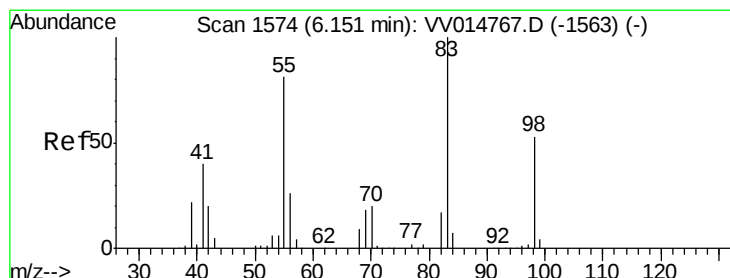
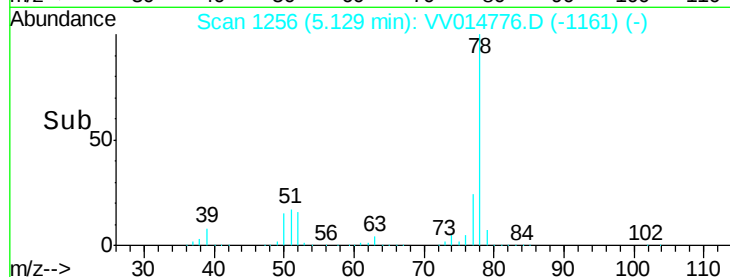
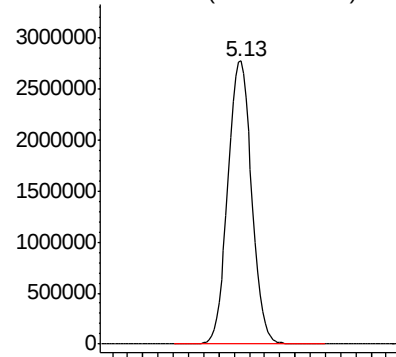
ClientSampleId :

C0DL1

Tgt Ion: 78 Resp: 6032887



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 7.61 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

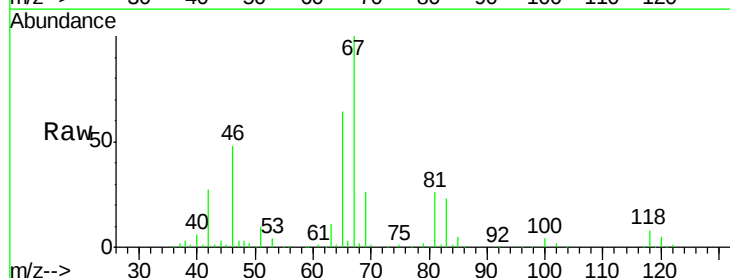
Tgt Ion: 83 Resp: 41578

Ion Ratio Lower Upper

83 100

55 0.2 63.4 95.2#

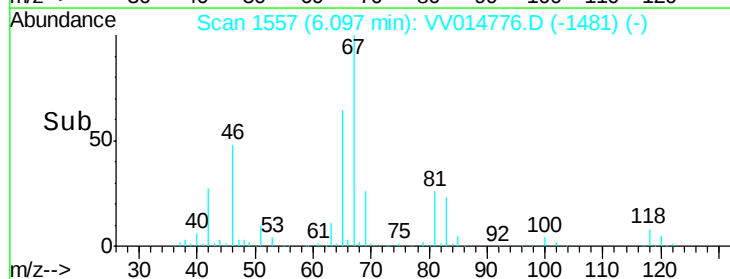
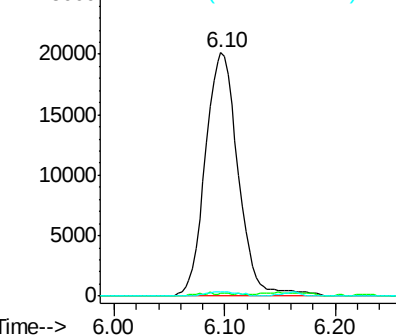
98 1.5 36.8 55.2#

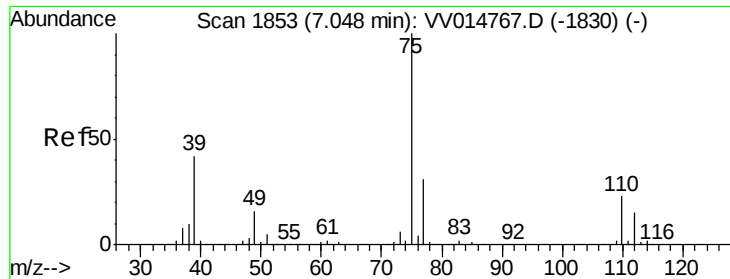


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

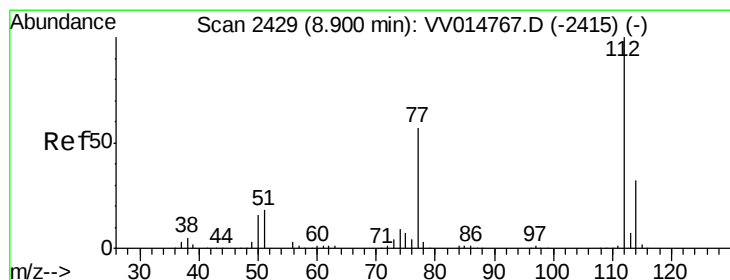
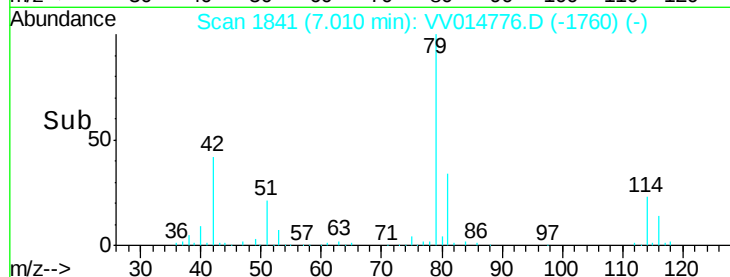
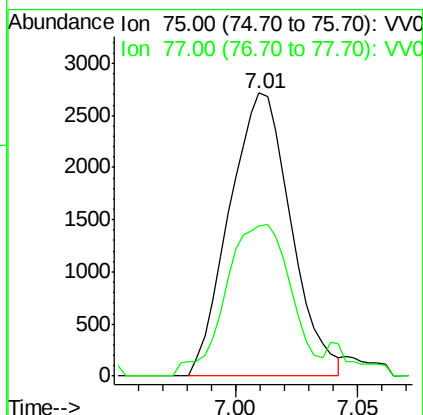
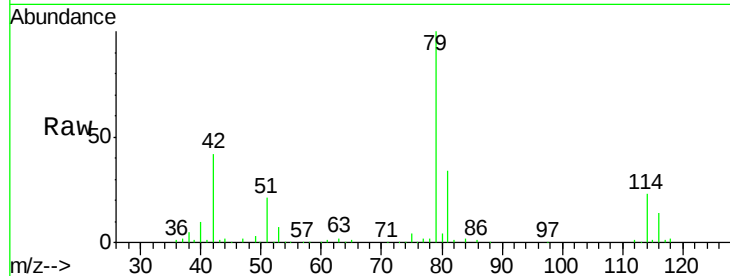




#39
 cis-1,3-Dichloropropene
 Concen: 0.89 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

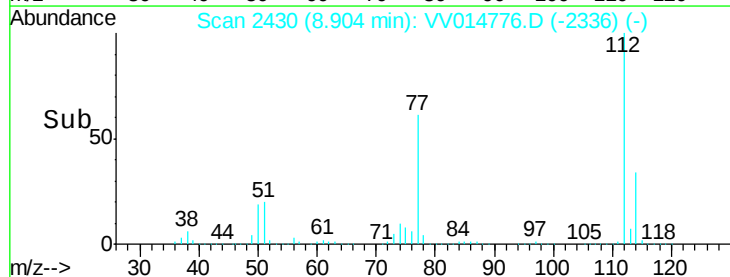
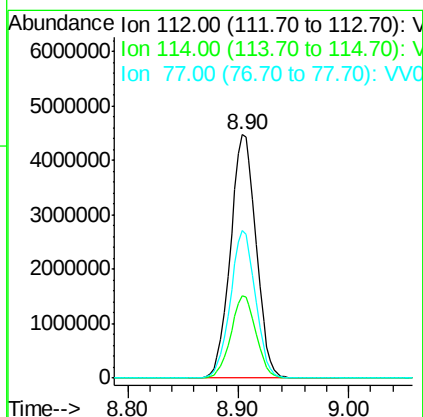
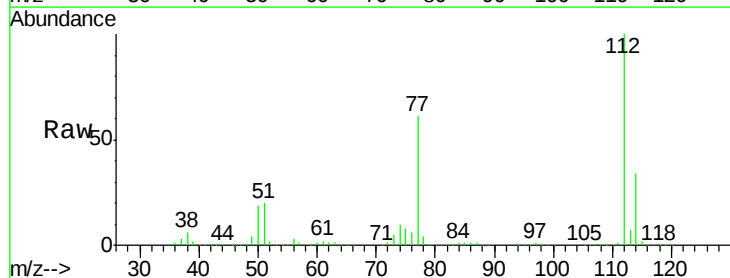
Instrument :
 MSVOA_V
 ClientSampled :
 C0DL1

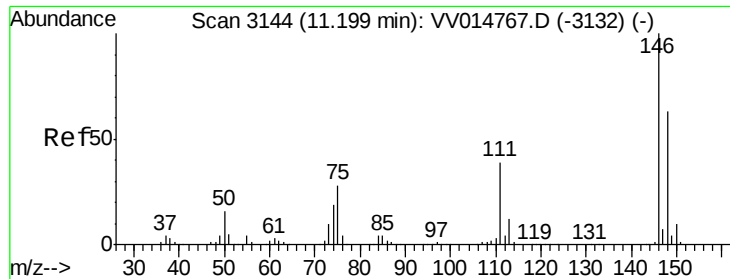
Tgt Ion: 75 Resp: 4759
 Ion Ratio Lower Upper
 75 100
 77 53.1 22.8 42.4#



#51
 Chlorobenzene
 Concen: 802.09 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

Tgt Ion: 112 Resp: 7215577
 Ion Ratio Lower Upper
 112 100
 114 33.7 22.1 41.1
 77 60.6 47.8 71.8

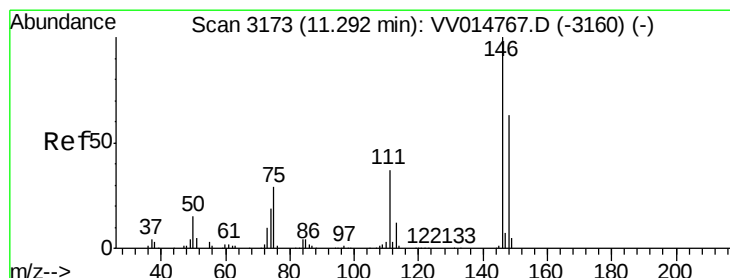
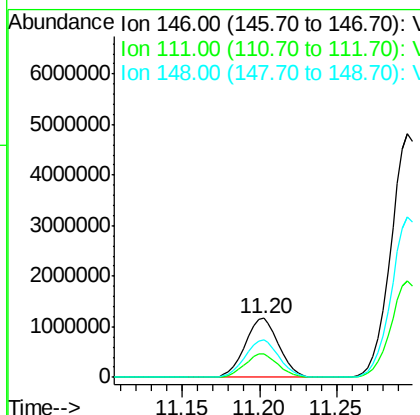
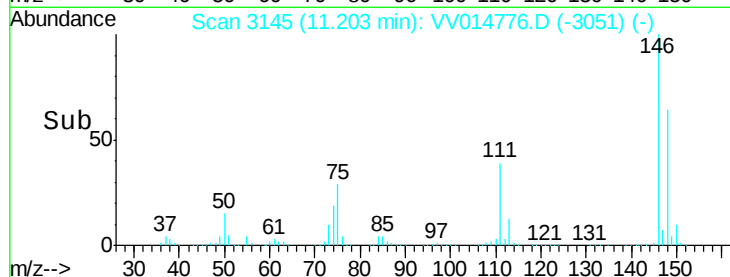
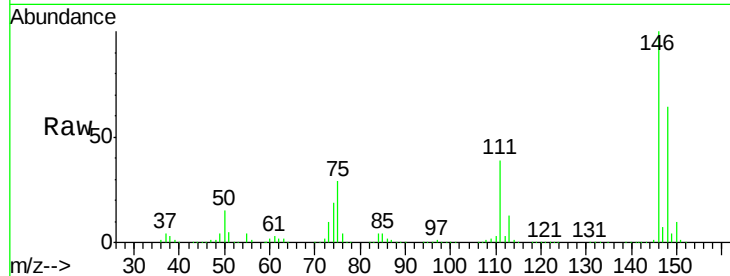




#62
 1,3-Dichlorobenzene
 Concen: 226.09 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

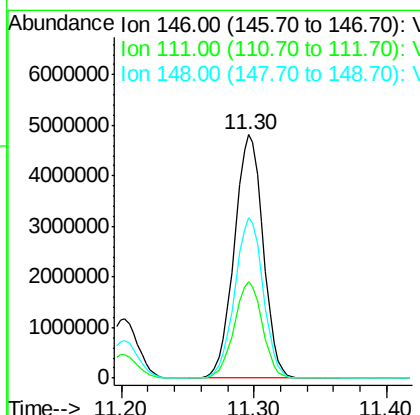
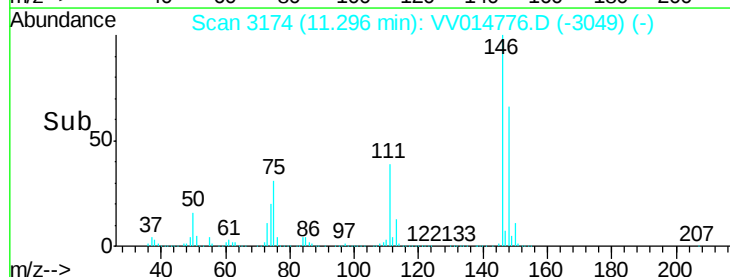
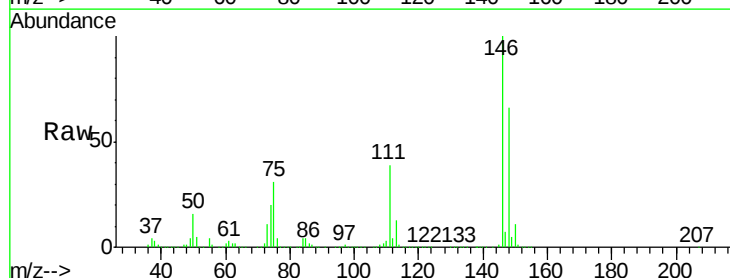
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL1

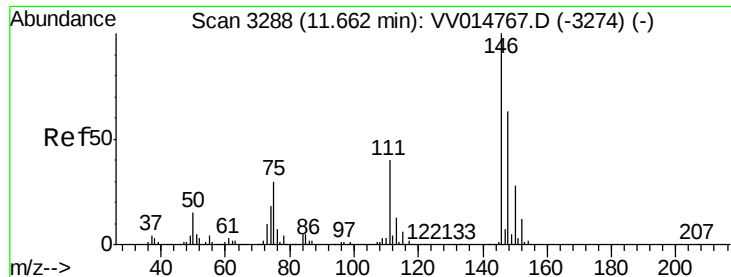
Tgt Ion:146 Resp: 1764963
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.2 50.4
 148 64.0 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 921.00 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

Tgt Ion:146 Resp: 7243486
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.3 48.9
 148 65.8 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 1376.83 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.01 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

Instrument :

MSVOA_V

ClientSampled :

CODL1

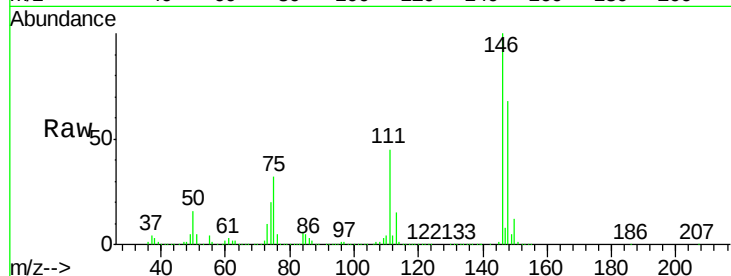
Tgt Ion:146 Resp:10700607

Ion Ratio Lower Upper

146 100

111 44.6 33.9 50.9

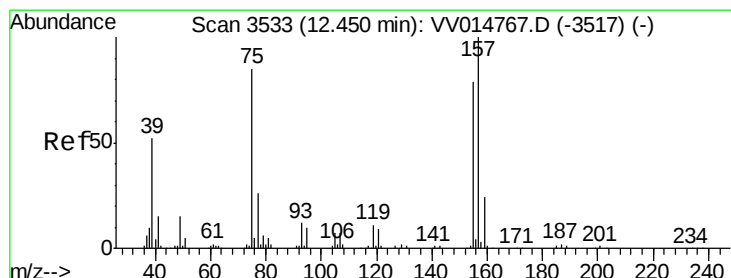
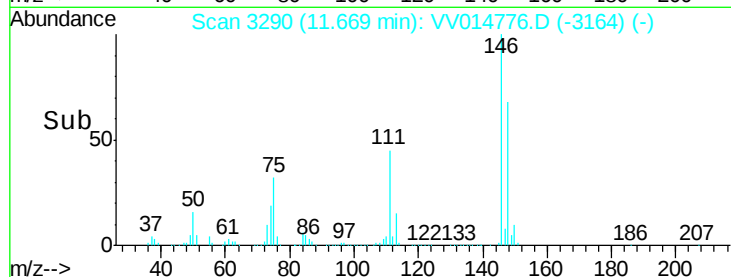
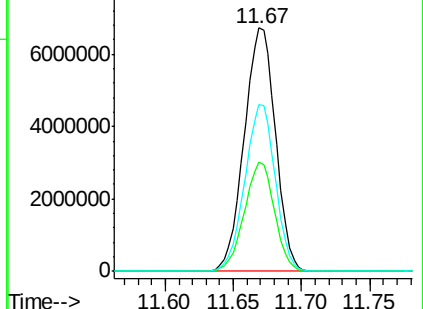
148 68.4 51.4 77.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.64 ug/L

RT: 12.42 min Scan# 3523

Delta R.T. -0.03 min

Lab File: VV014776.D

Acq: 09 Mar 2020 15:00

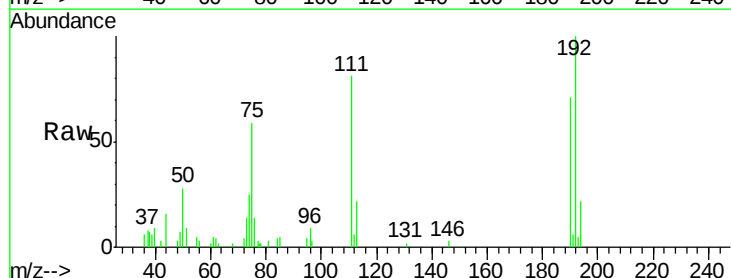
Tgt Ion: 75 Resp: 4799

Ion Ratio Lower Upper

75 100

155 0.0 66.4 99.6#

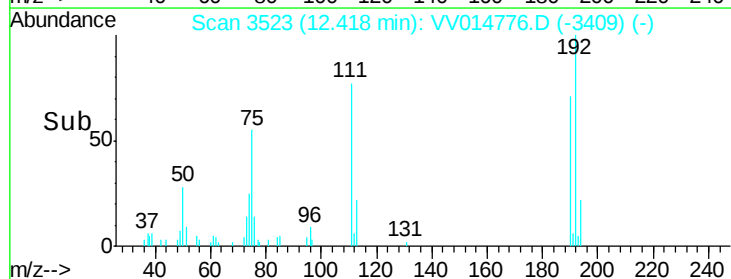
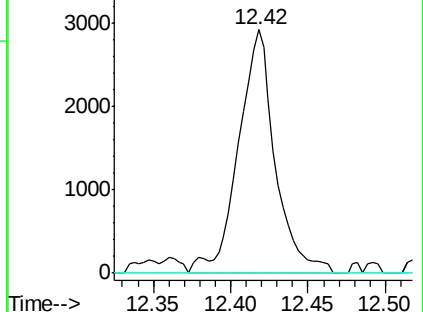
157 0.0 86.1 129.1#

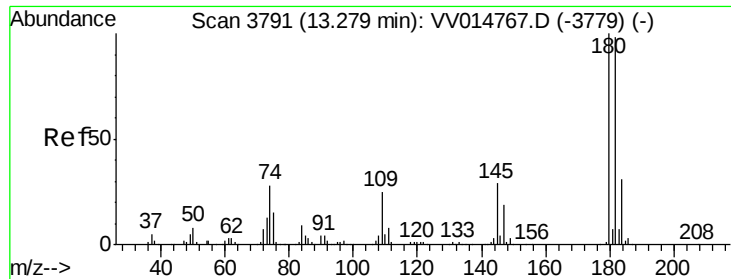


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

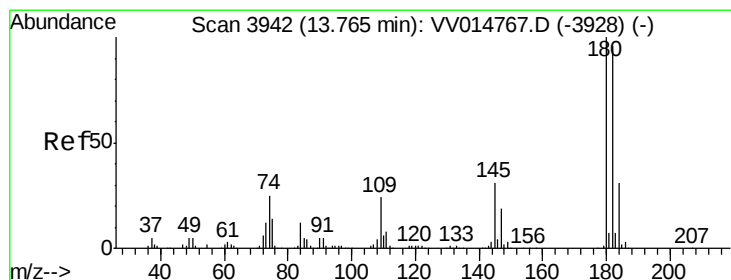
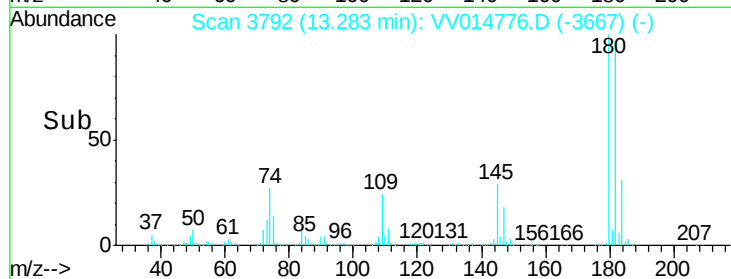
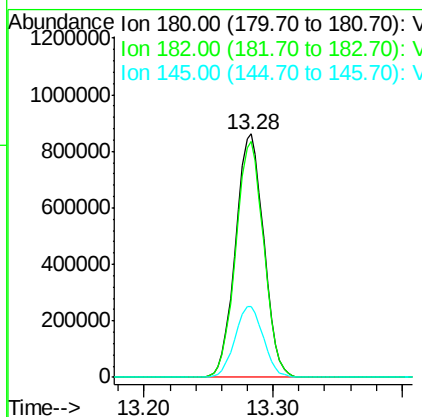
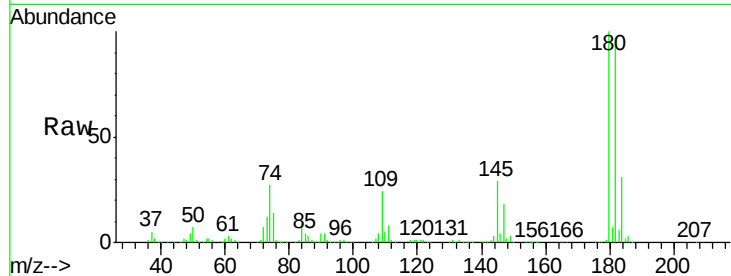




#68
 1,2,4-trichlorobenzene
 Concen: 235.55 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DL1

Tgt Ion:180 Resp: 1307119
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 145 29.4 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 112.07 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014776.D
 Acq: 09 Mar 2020 15:00

Tgt Ion:180 Resp: 619856
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 145 31.3 25.0 37.4

