

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007790.D
 Acq On : 23 Sep 2018 15:58
 Operator : SY/MD
 Sample : J5014-05MS
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB4MS

Quant Time: Sep 24 07:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 07:19:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	184476	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183300	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	106283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36139	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.08%
7) Chloroethane-d5	1.59	69	37949	41.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.30%
11) 1,1-Dichloroethene-d2	2.14	63	104264	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
21) 2-Butanone-d5	3.95	46	64946	98.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	4.41	84	91670	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.09	65	63577	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
32) Benzene-d6	5.11	84	183105	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
36) 1,2-Dichloropropane-d6	6.13	67	55459	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.14%
41) Toluene-d8	7.36	98	191687	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%
43) trans-1,3-Dichloropropene-	7.67	79	25091	40.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.00%
47) 2-Hexanone-d5	8.14	63	51964	94.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	89608	46.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	102566	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%

Target Compounds

					Qvalue
8) Chloroethane	1.27	64	67529	84.700 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	769	0.551 ug/L #	14
12) 1,1-Dichloroethene	2.15	96	60724	49.629 ug/L	96
20) cis-1,2-Dichloroethene	3.97	96	2936	2.372 ug/L	85
27) 1,2-Dichloroethane	5.16	62	1846	1.101 ug/L #	74
33) Benzene	5.15	78	215145	49.001 ug/L	100
34) Trichloroethene	5.96	95	61903	47.672 ug/L	98
37) 1,2-Dichloropropane	6.13	63	6710	6.070 ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1651	0.929 ug/L #	61
42) Toluene	7.44	91	255444	49.082 ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	1288	0.763 ug/L #	82
45) 1,1,2-Trichloroethane	7.84	97	1946	1.567 ug/L #	15
51) Chlorobenzene	8.93	112	180275	48.087 ug/L	100
52) Ethylbenzene	9.06	91	8576	1.458 ug/L	94
56) Isopropylbenzene	9.98	105	25037	4.042 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	9029	4.568 ug/L #	36
66) 1,2-Dibromo-3-chloropropan	12.52	75	1264	3.067 ug/L #	1

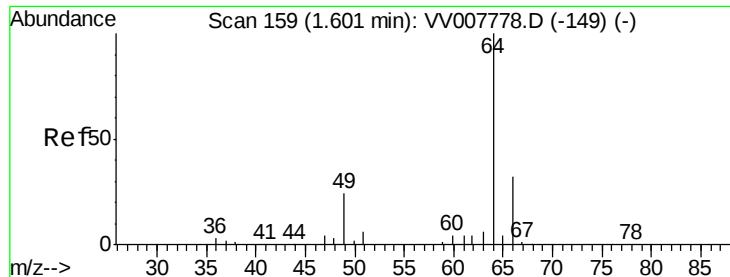
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007790.D
Acq On : 23 Sep 2018 15:58
Operator : SY/MD
Sample : J5014-05MS
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 68 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E8JB4MS

Quant Time: Sep 24 07:22:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 24 07:19:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.56	128	4031	0.619	ug/L #	96
-----	-----	-----	-----	-----	-----	-----

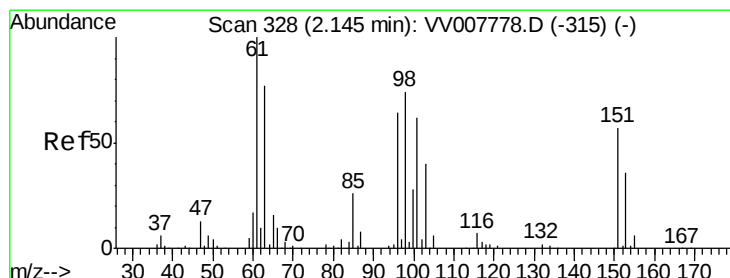
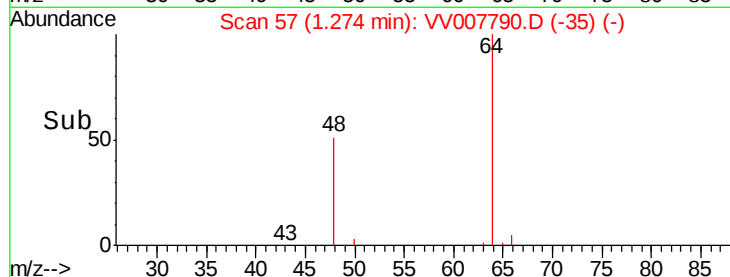
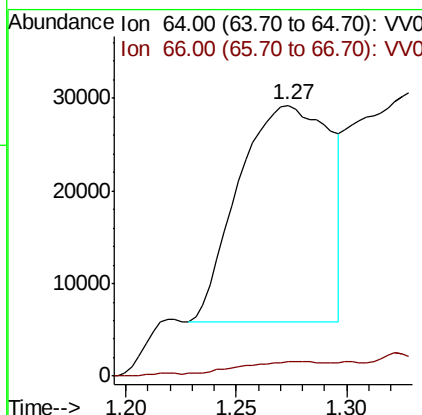
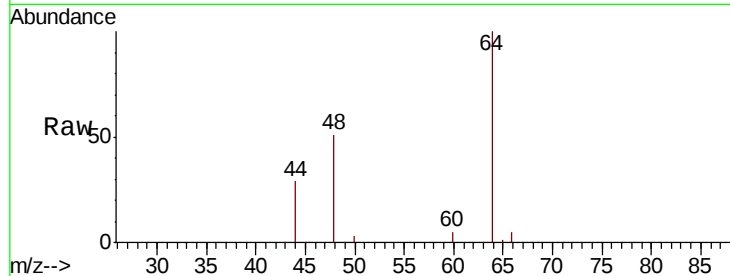
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 84.700 ug/L
RT: 1.27 min Scan# 57
Delta R.T. -0.33 min
Lab File: VV007790.D
Acq: 23 Sep 2018 15:58

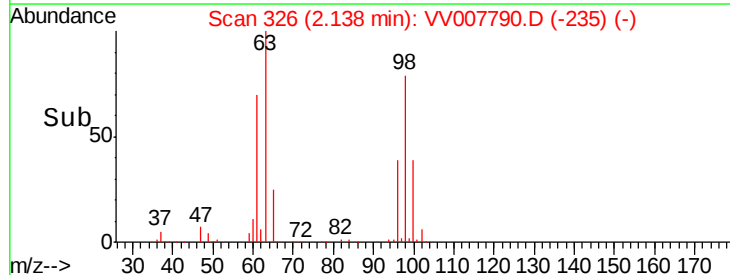
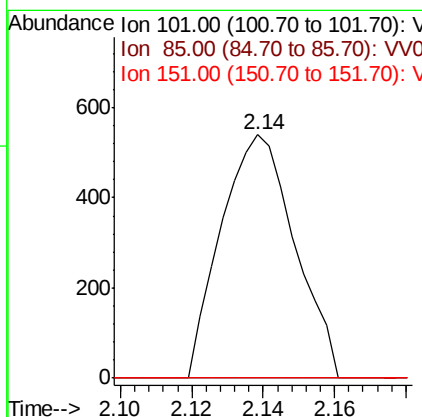
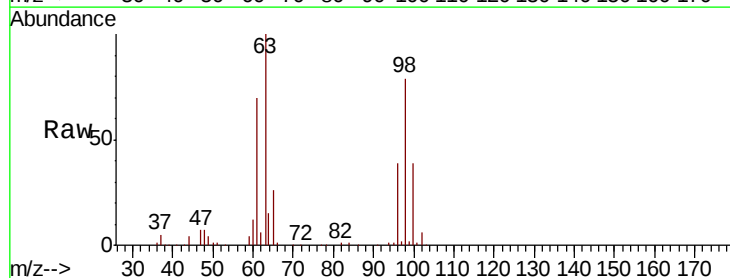
Instrument :
MSVOA_V
ClientSampleId :
E8JB4MS

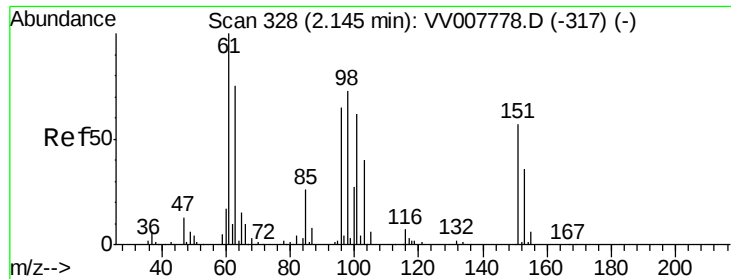
Tgt Ion: 64 Resp: 67529
Ion Ratio Lower Upper
64 100
66 5.2 22.3 41.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.551 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VV007790.D
Acq: 23 Sep 2018 15:58

Tgt Ion: 101 Resp: 769
Ion Ratio Lower Upper
101 100
85 0.0 32.7 49.1#
151 0.0 72.2 108.2#





#12

1,1-Dichloroethene

Concen: 49.629 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Instrument :

MSVOA_V

ClientSampleId :

E8JB4MS

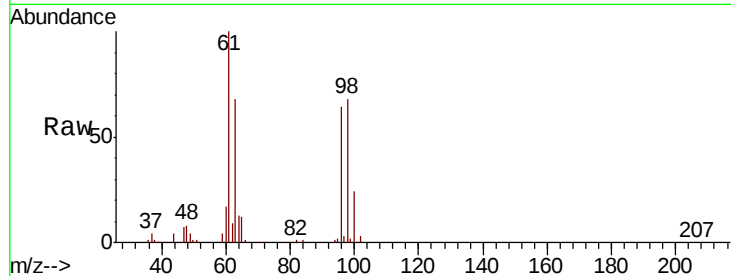
Tgt Ion: 96 Resp: 60724

Ion Ratio Lower Upper

96 100

61 156.4 107.3 199.3

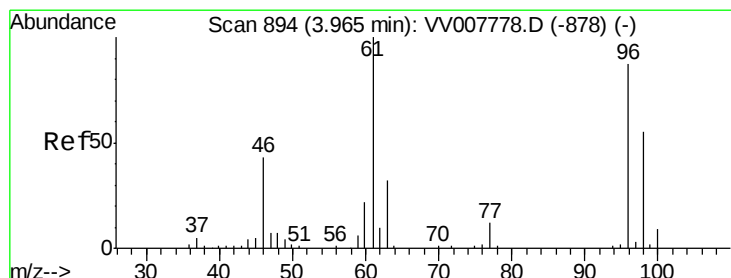
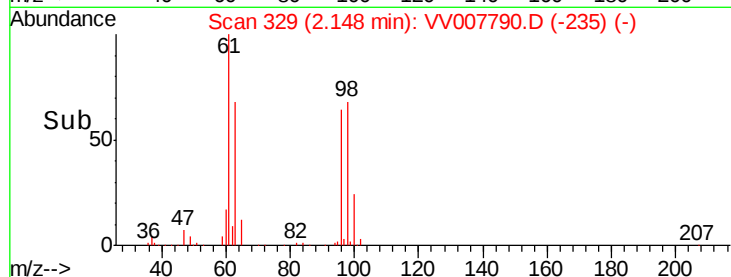
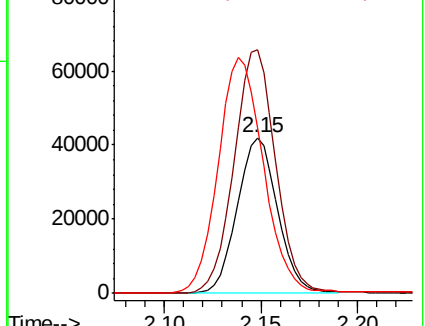
63 106.5 78.8 146.4



Abundance Ion 96.00 (95.70 to 96.70): VV007778.D (-317) (-)

Ion 61.00 (60.70 to 61.70): VV007778.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV007778.D (-317) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.372 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

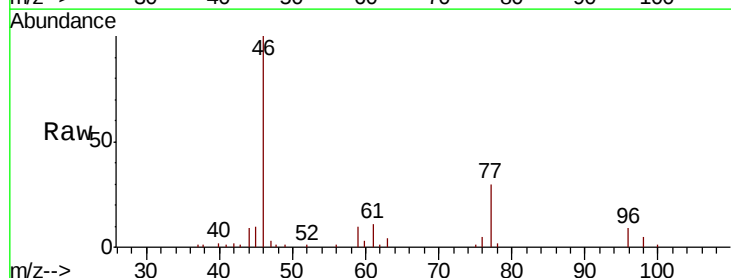
Tgt Ion: 96 Resp: 2936

Ion Ratio Lower Upper

96 100

61 129.1 78.8 146.3

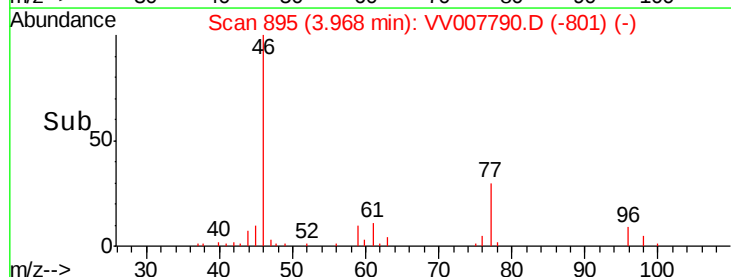
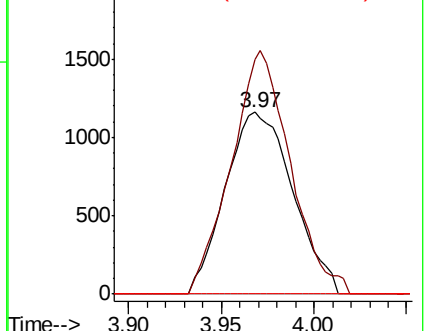
68 0.0 0.0 0.0

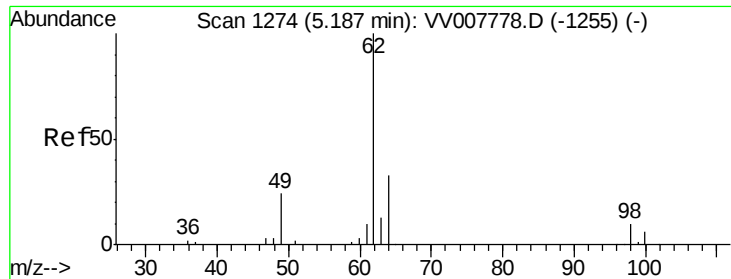


Abundance Ion 96.00 (95.70 to 96.70): VV007778.D (-878) (-)

Ion 61.00 (60.70 to 61.70): VV007778.D (-878) (-)

Ion 68.00 (67.70 to 68.70): VV007778.D (-878) (-)





#27

1,2-Dichloroethane

Concen: 1.101 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Instrument :

MSVOA_V

ClientSampleId :

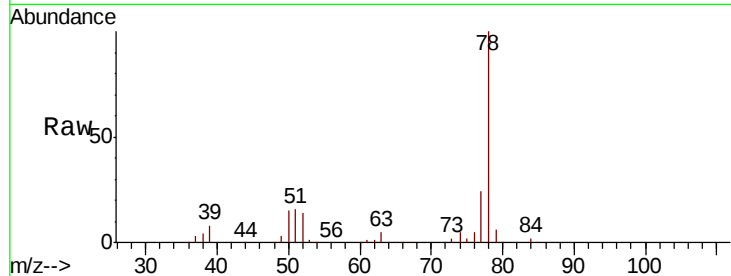
E8JB4MS

Tgt Ion: 62 Resp: 1846

Ion Ratio Lower Upper

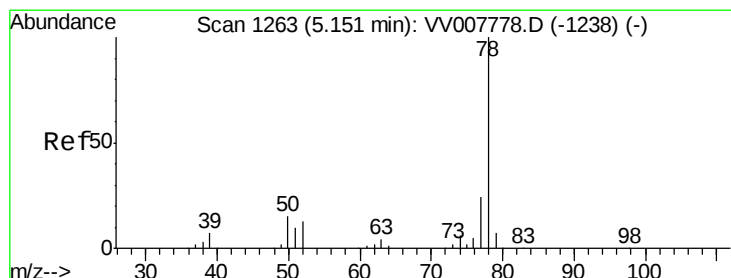
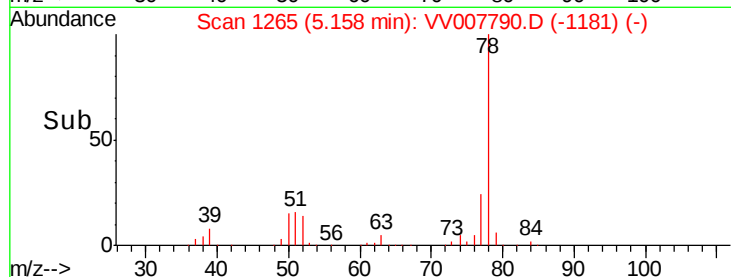
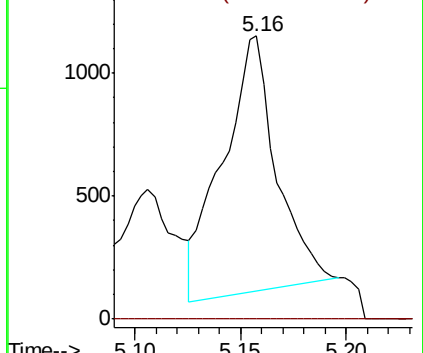
62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VV007778.D (-1255) (-)

Ion 98.00 (97.70 to 98.70): VV007778.D (-1255) (-)



#33

Benzene

Concen: 49.001 ug/L

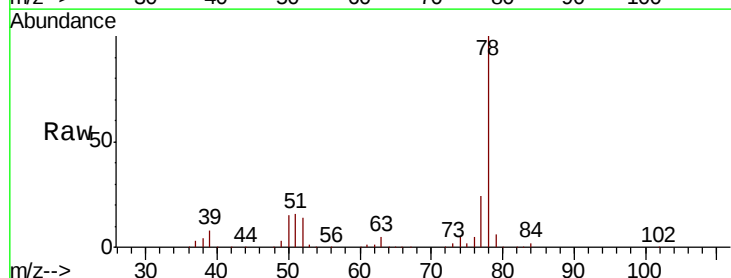
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

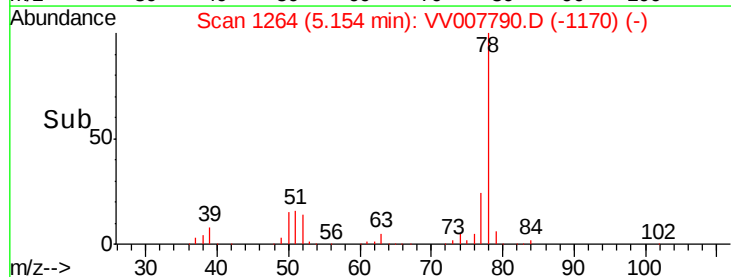
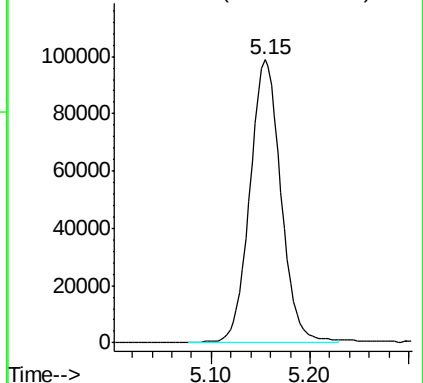
Lab File: VV007790.D

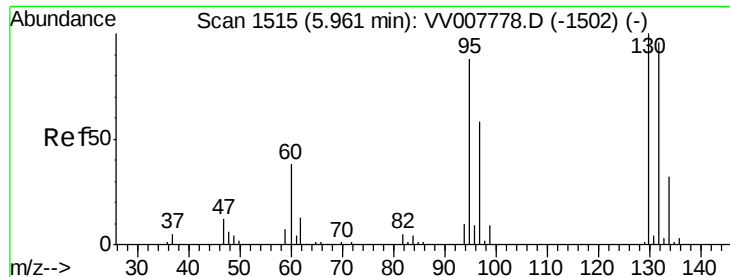
Acq: 23 Sep 2018 15:58

Tgt Ion: 78 Resp: 215145



Abundance Ion 78.00 (77.70 to 78.70): VV007778.D (-1238) (-)





#34

Trichloroethene

Concen: 47.672 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Instrument :

MSVOA_V

ClientSampleId :

E8JB4MS

Tgt Ion: 95 Resp: 61903

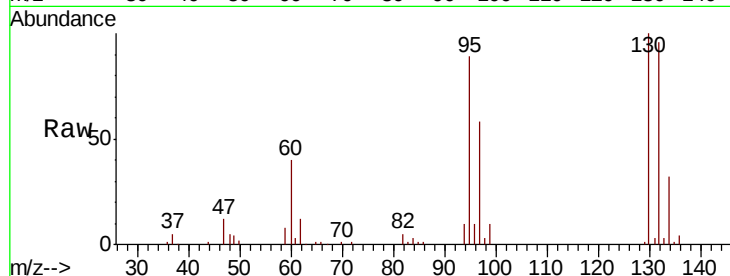
Ion Ratio Lower Upper

95 100

97 65.7 45.2 84.0

132 108.4 77.7 144.3

130 112.3 79.7 148.1

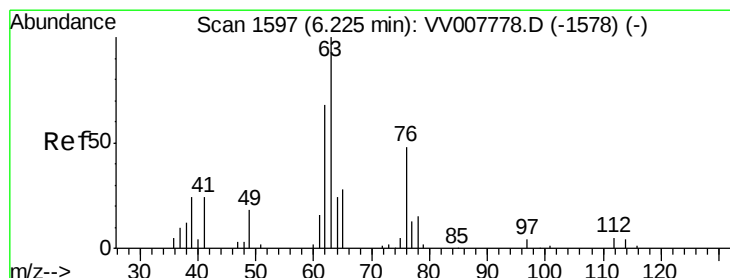
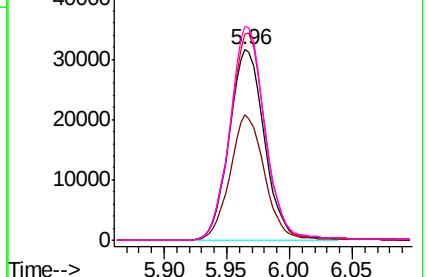
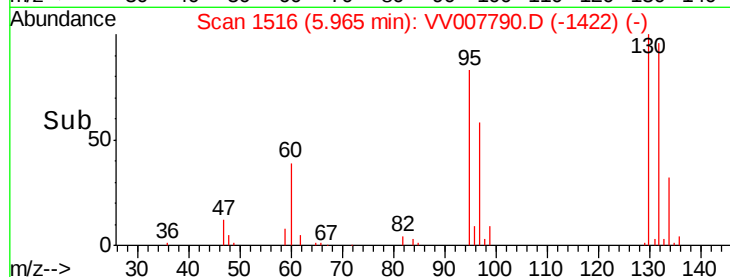


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.070 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007790.D

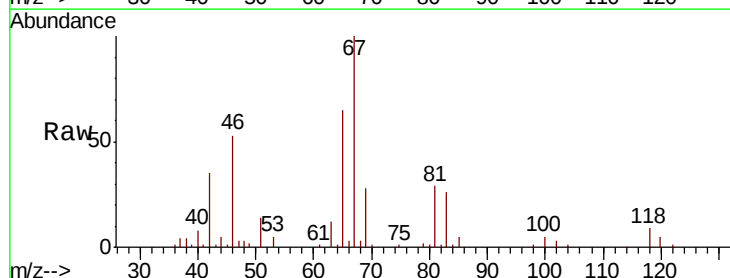
Acq: 23 Sep 2018 15:58

Tgt Ion: 63 Resp: 6710

Ion Ratio Lower Upper

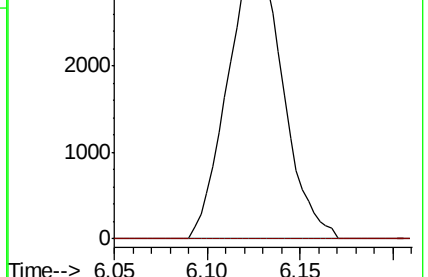
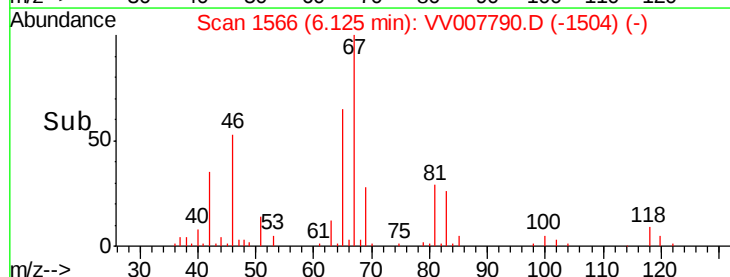
63 100

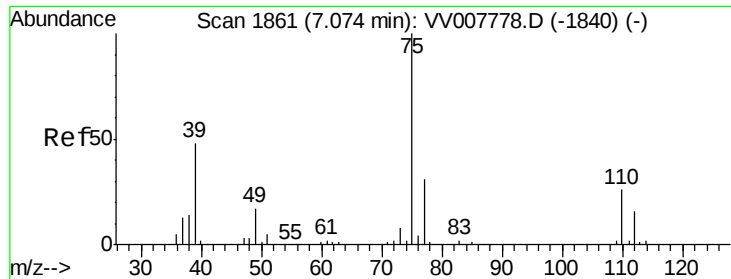
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



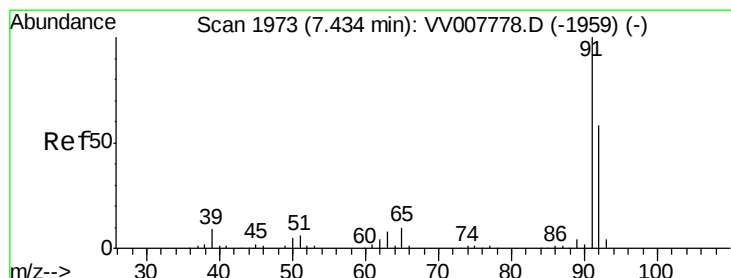
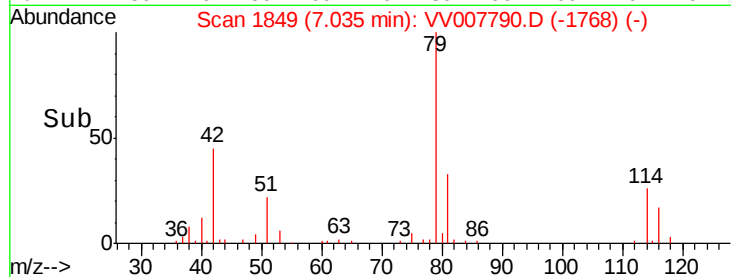
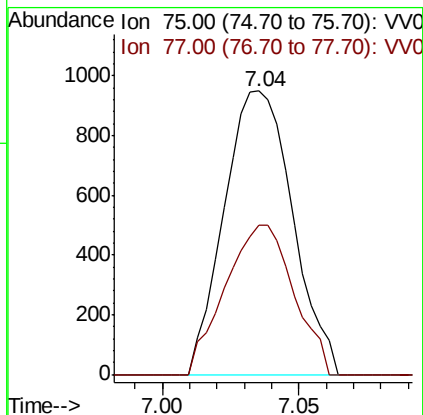
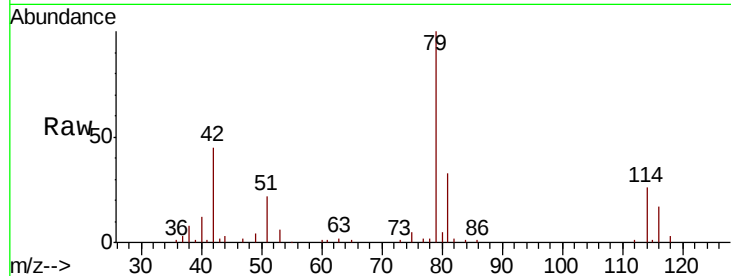


#39

cis-1,3-Dichloropropene
 Concen: 0.929 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007790.D
 Acq: 23 Sep 2018 15:58

Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB4MS

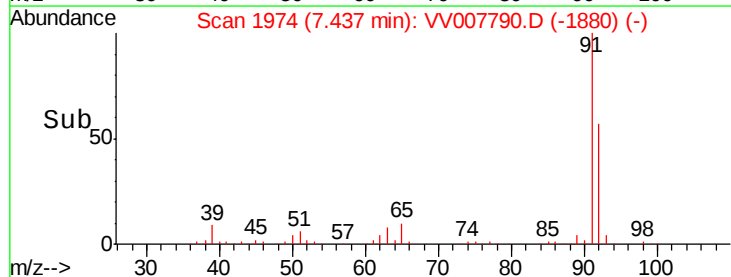
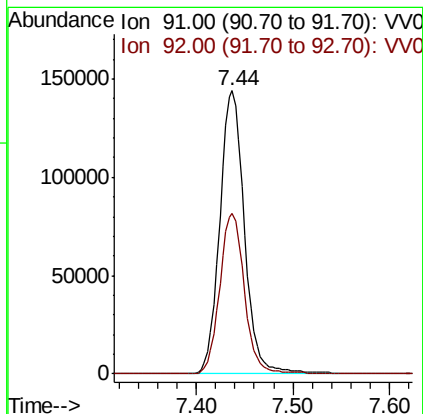
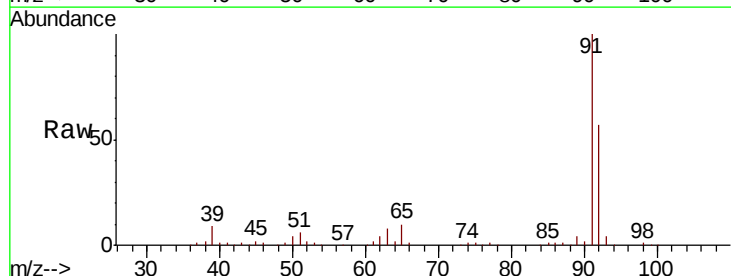
Tgt Ion: 75 Resp: 1651
 Ion Ratio Lower Upper
 75 100
 77 52.9 22.0 40.8#

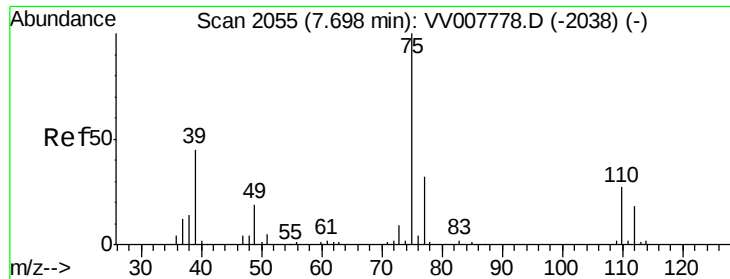


#42

Toluene
 Concen: 49.082 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VV007790.D
 Acq: 23 Sep 2018 15:58

Tgt Ion: 91 Resp: 255444
 Ion Ratio Lower Upper
 91 100
 92 56.8 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 0.763 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.03 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Instrument :

MSVOA_V

ClientSampleId :

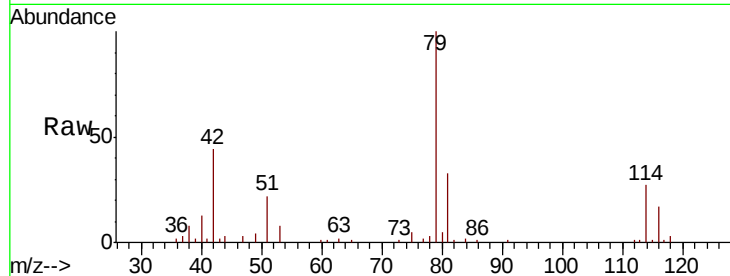
E8JB4MS

Tgt Ion: 75 Resp: 1288

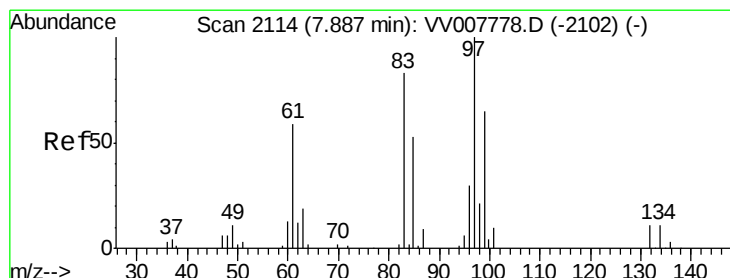
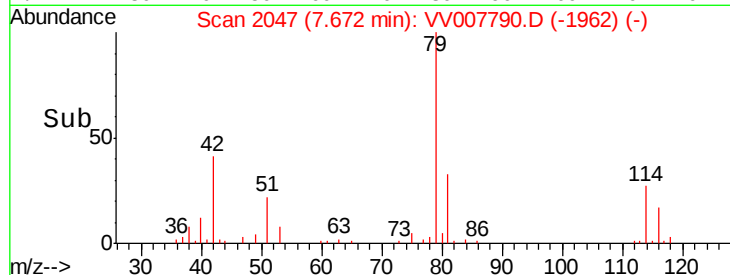
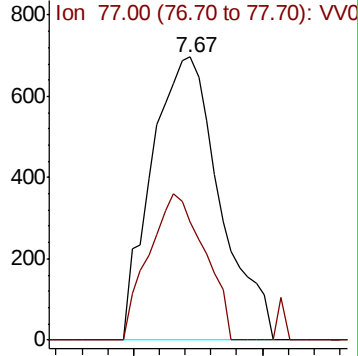
Ion Ratio Lower Upper

75 100

77 41.6 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2038) (-)



#45

1,1,2-Trichloroethane

Concen: 1.567 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.05 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Tgt Ion: 97 Resp: 1946

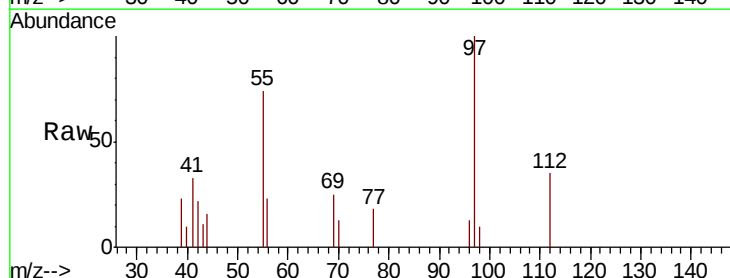
Ion Ratio Lower Upper

97 100

99 0.0 45.8 85.2#

83 0.0 58.2 108.0#

85 0.0 38.0 70.6#

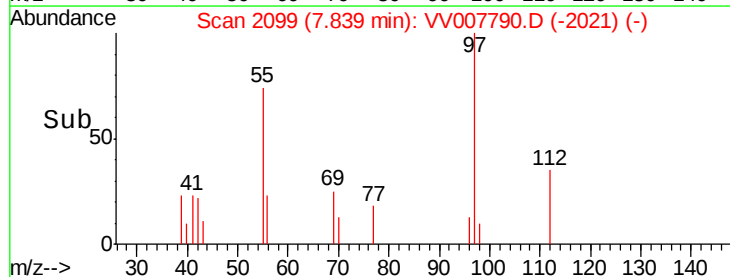
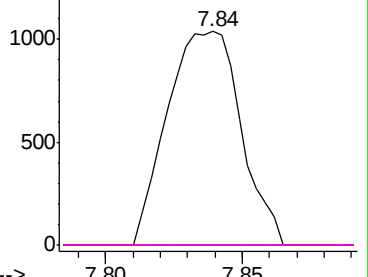


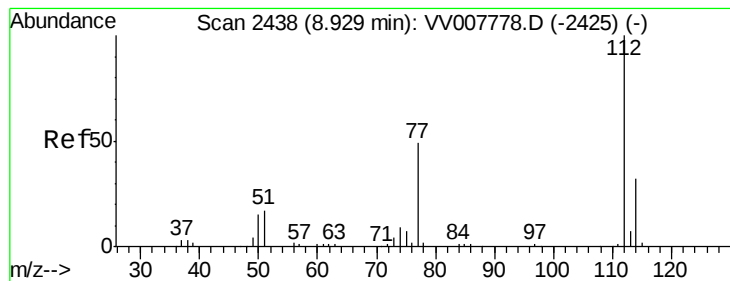
Abundance Ion 97.00 (96.70 to 97.70): VV007778.D (-2102) (-)

Ion 99.00 (98.70 to 99.70): VV007778.D (-2102) (-)

Ion 83.00 (82.70 to 83.70): VV007778.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV007778.D (-2102) (-)





#51

Chlorobenzene

Concen: 48.087 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007790.D

Acq: 23 Sep 2018 15:58

Instrument :

MSVOA_V

ClientSampled :

E8JB4MS

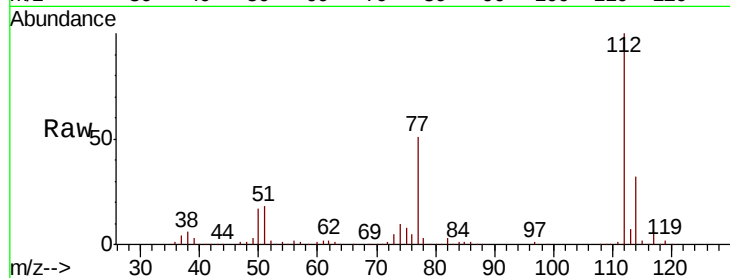
Tgt Ion: 112 Resp: 180275

Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.3

77 51.0 40.6 60.8

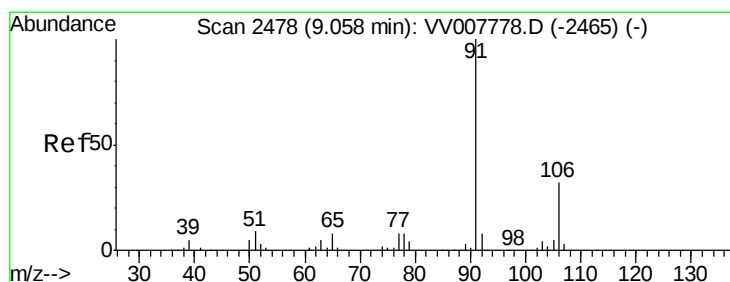
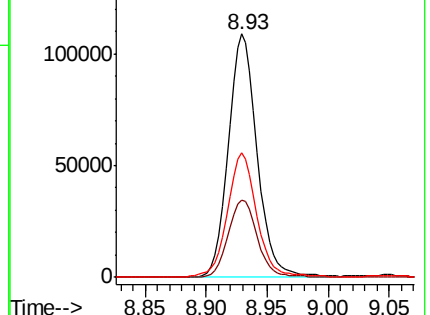
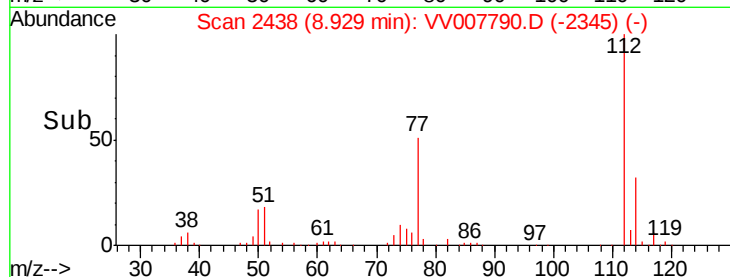


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.458 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007790.D

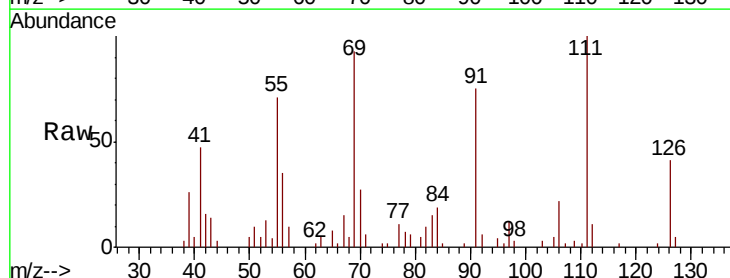
Acq: 23 Sep 2018 15:58

Tgt Ion: 91 Resp: 8576

Ion Ratio Lower Upper

91 100

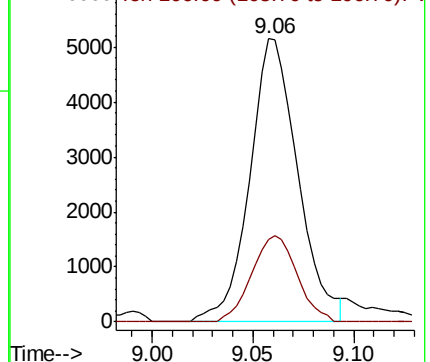
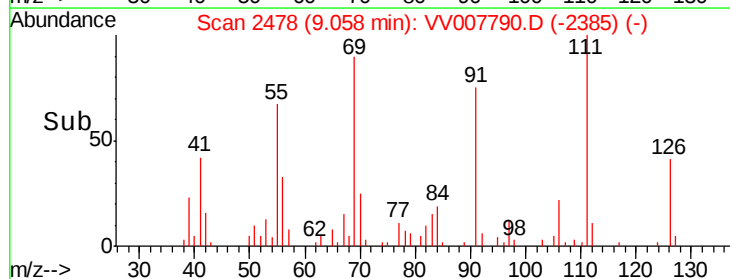
106 29.0 22.7 42.1

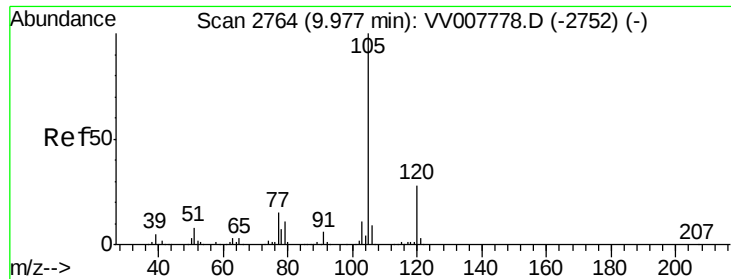


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

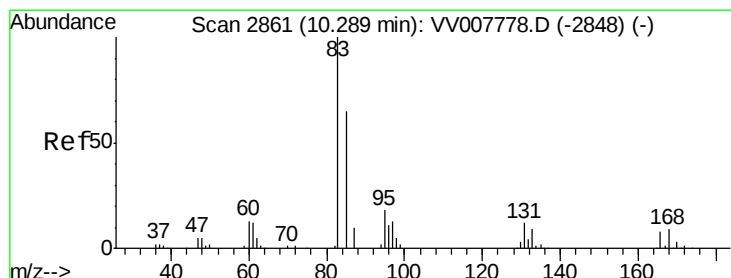
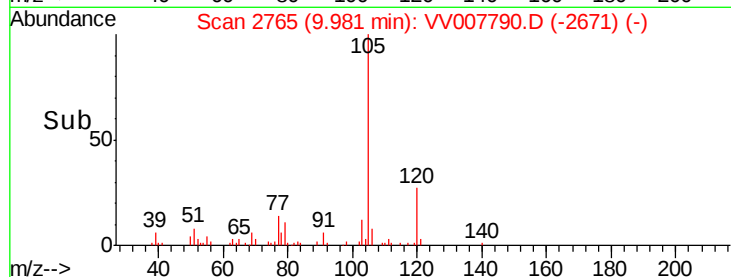
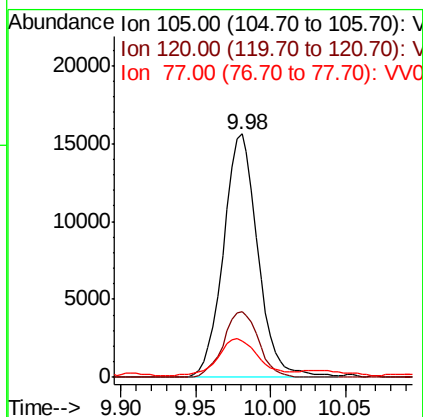
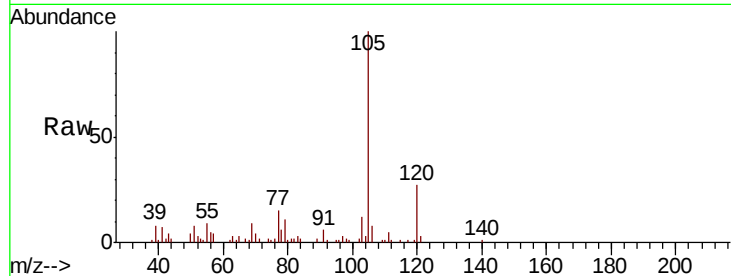




#56
Isopropylbenzene
Concen: 4.042 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007790.D
Acq: 23 Sep 2018 15:58

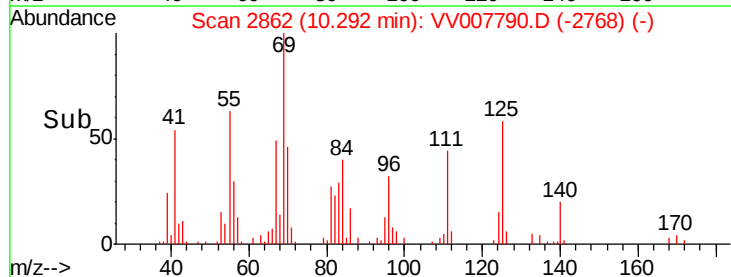
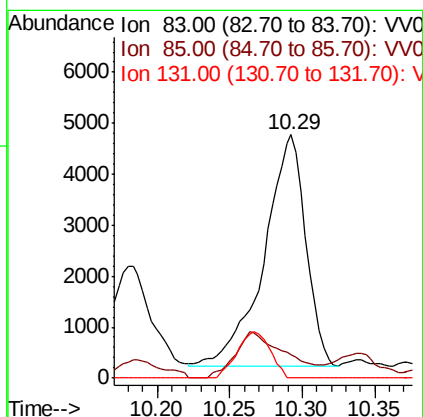
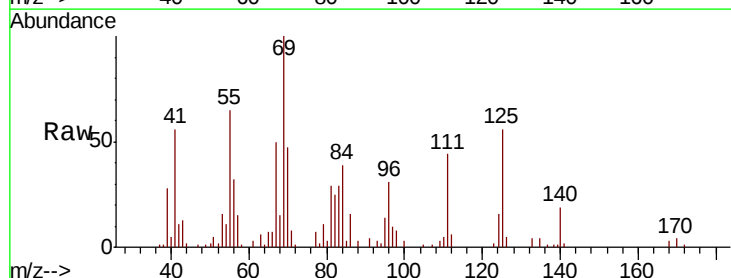
Instrument :
MSVOA_V
ClientSampleId :
E8JB4MS

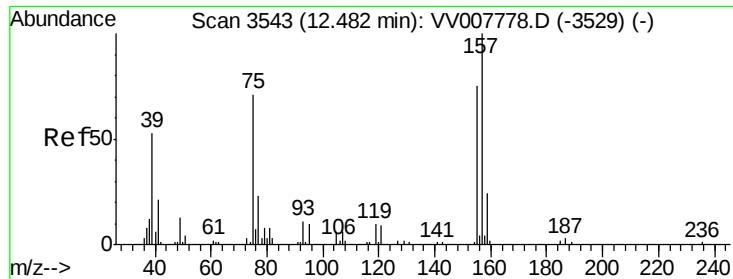
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	22.0	33.0
77	17.3	12.1	18.1



#58
1,1,2,2-Tetrachloroethane
Concen: 4.568 ug/L
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VV007790.D
Acq: 23 Sep 2018 15:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	9.6	45.4	84.4#
131	0.0	9.8	14.8#

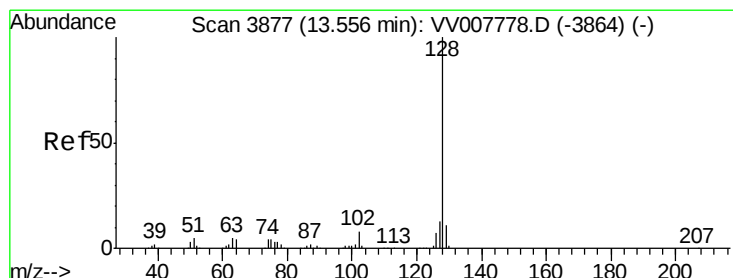
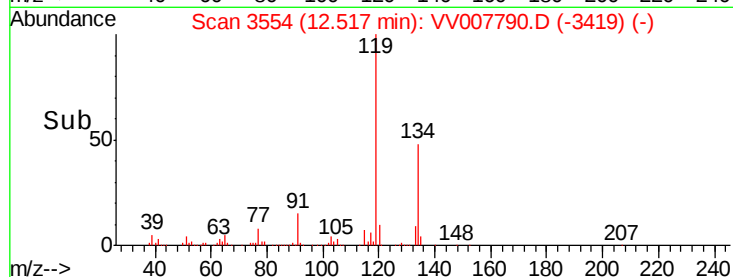
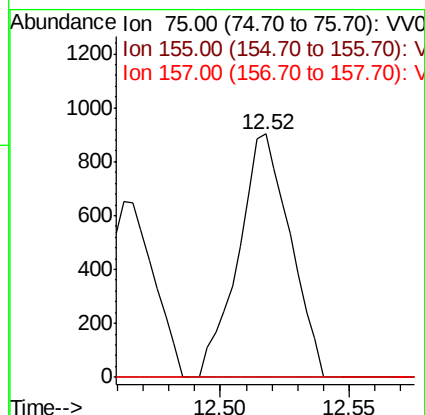
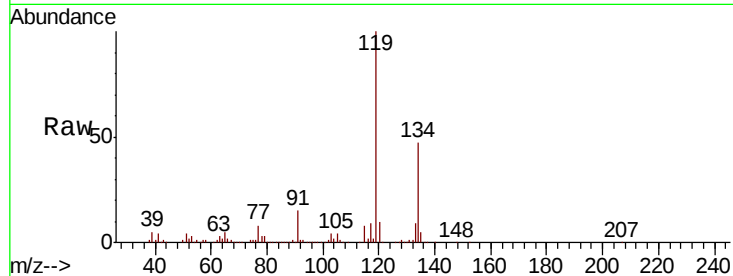




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.067 ug/L
 RT: 12.52 min Scan# 3554
 Delta R.T. 0.04 min
 Lab File: VV007790.D
 Acq: 23 Sep 2018 15:58

Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB4MS

Tgt Ion: 75 Resp: 1264
 Ion Ratio Lower Upper
 75 100
 155 0.0 86.0 129.0#
 157 0.0 111.5 167.3#



#69
 Naphthalene
 Concen: 0.619 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VV007790.D
 Acq: 23 Sep 2018 15:58

Tgt Ion: 128 Resp: 4031
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.6 15.8
 129 8.3 8.6 13.0#

