

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007780.D
 Acq On : 23 Sep 2018 11:49
 Operator : SY/MD
 Sample : J5013-11 20X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08M7

Quant Time: Sep 24 07:20:50 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	182710	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175748	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101724	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36582	36.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.68%
7) Chloroethane-d5	1.59	69	37916	42.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.04%
11) 1,1-Dichloroethene-d2	2.14	63	74186	31.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.38%
21) 2-Butanone-d5	3.95	46	57636	87.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.88%
24) Chloroform-d	4.41	84	89369	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.08%
26) 1,2-Dichloroethane-d4	5.09	65	60698	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
32) Benzene-d6	5.10	84	178716	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
36) 1,2-Dichloropropane-d6	6.12	67	52855	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.62%
41) Toluene-d8	7.36	98	183304	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	7.67	79	21836	36.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.62%
47) 2-Hexanone-d5	8.14	63	45805	87.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.19%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	77797	41.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	90677	43.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	808	0.585	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	799	0.659	ug/L #	1
33) Benzene	5.15	78	5775	1.372	ug/L	100
37) 1,2-Dichloropropane	6.12	63	6353	5.994	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1738	1.020	ug/L #	70
44) trans-1,3-Dichloropropene	7.67	75	1131	0.699	ug/L	83
48) 2-Hexanone	8.14	43	5377	4.980	ug/L #	76
51) Chlorobenzene	8.93	112	473565	131.749	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	33218	22.163	ug/L #	44
62) 1,3-Dichlorobenzene	11.23	146	132312	41.022	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	530353	158.528	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	204225	62.621	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	1589	4.029	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.70	180	2155	0.796	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	325703	133.970	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	56162	22.855	ug/L	99

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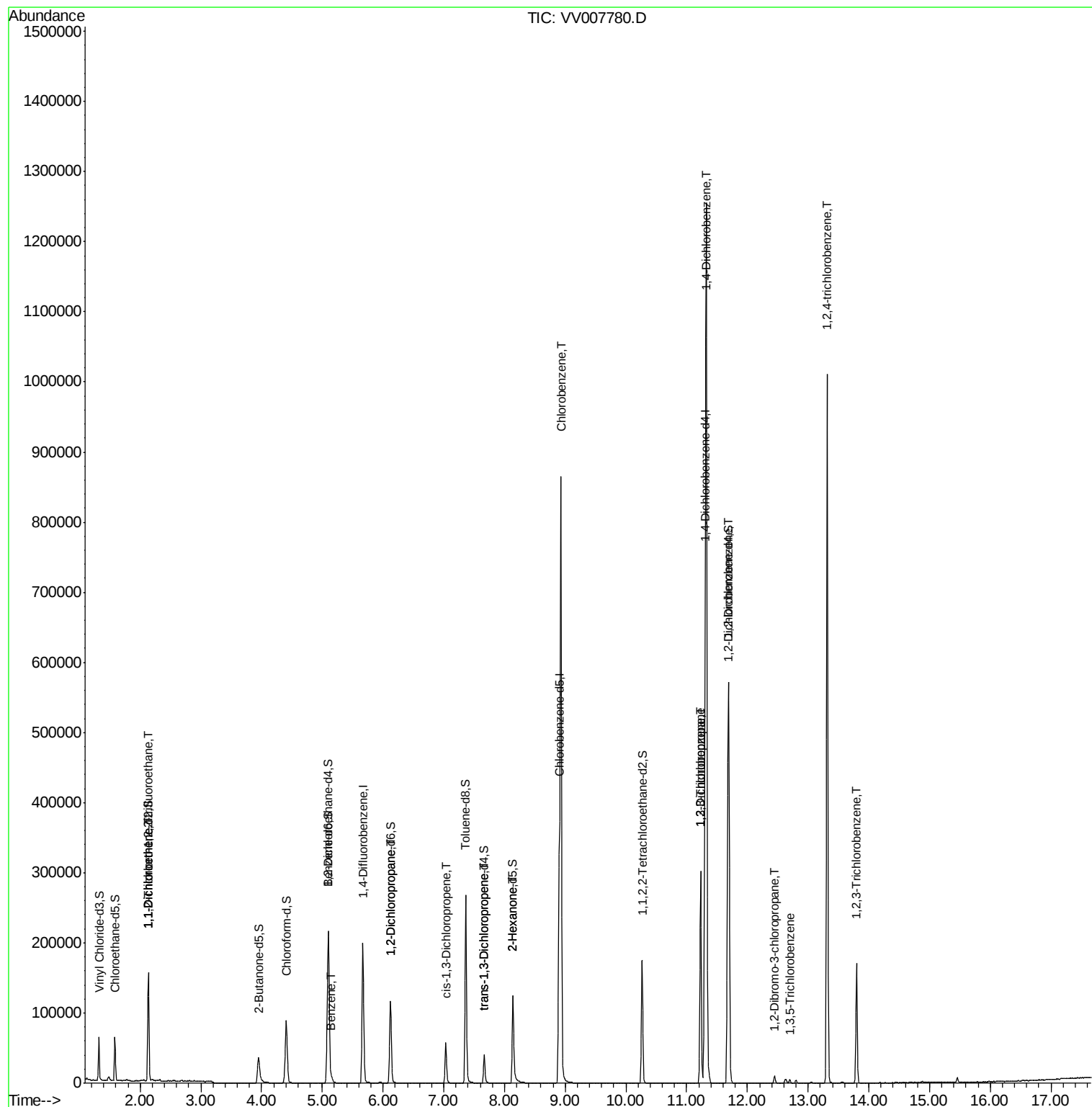
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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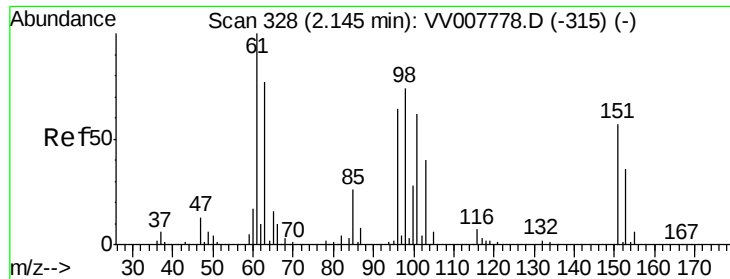
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.585 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

Instrument :

MSVOA_V

ClientSampleId :

C08M7

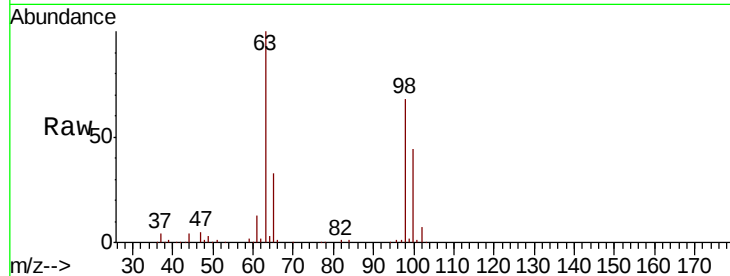
Tgt Ion: 101 Resp: 808

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

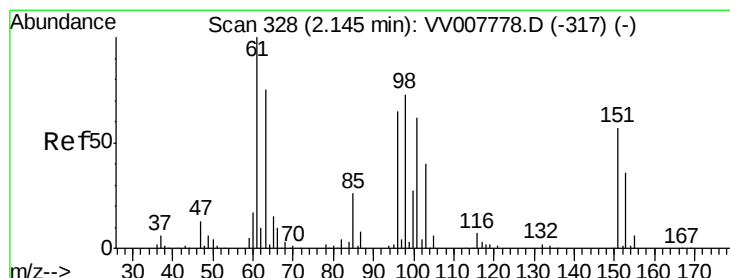
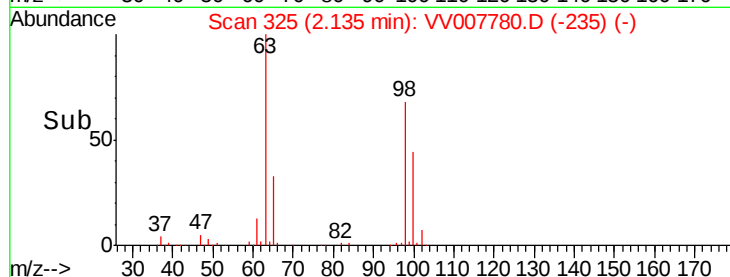
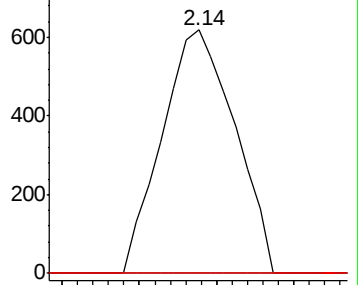
151 0.0 72.2 108.2#



Abundance Ion 101.00 (100.70 to 101.70): VV007778.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV007778.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV007778.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 0.659 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

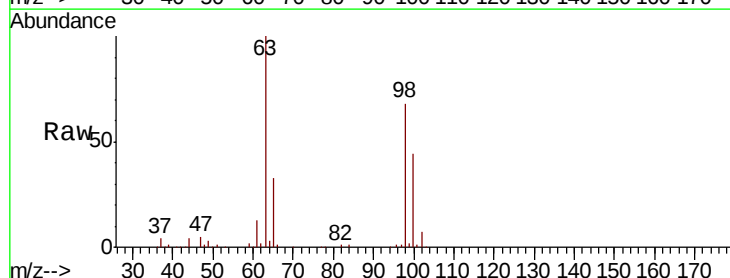
Tgt Ion: 96 Resp: 799

Ion Ratio Lower Upper

96 100

61 1225.6 107.3 199.3#

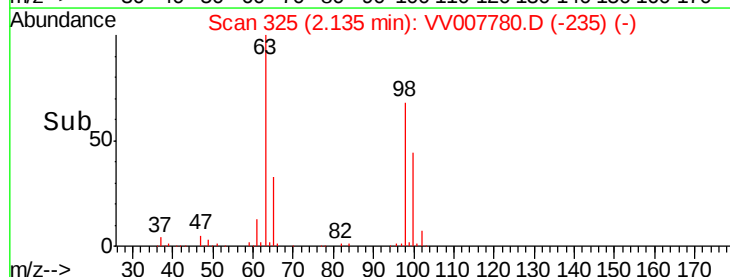
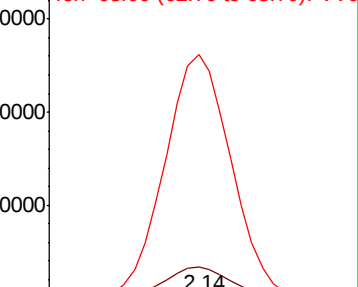
63 9591.2 78.8 146.4#

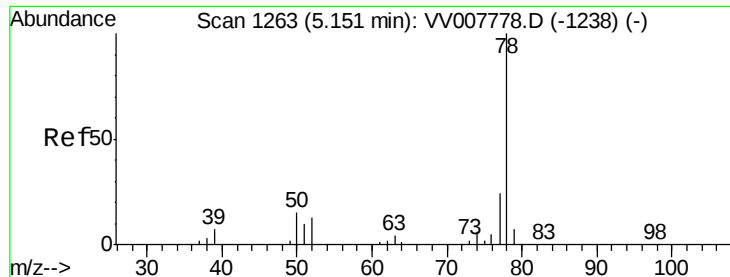


Abundance Ion 96.00 (95.70 to 96.70): VV007778.D (-317) (-)

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

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





#33

Benzene

Concen: 1.372 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

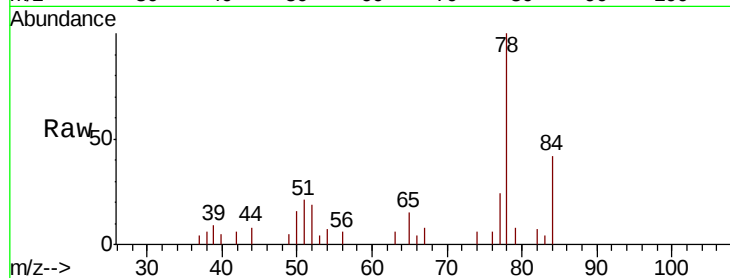
Instrument :

MSVOA_V

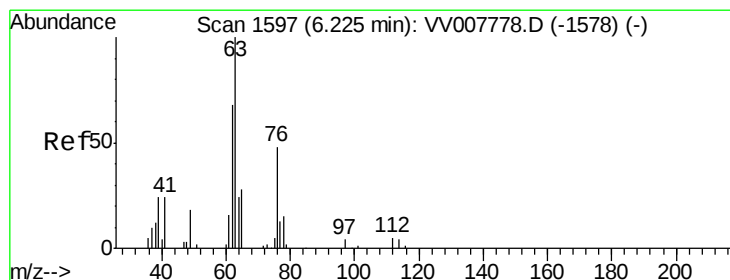
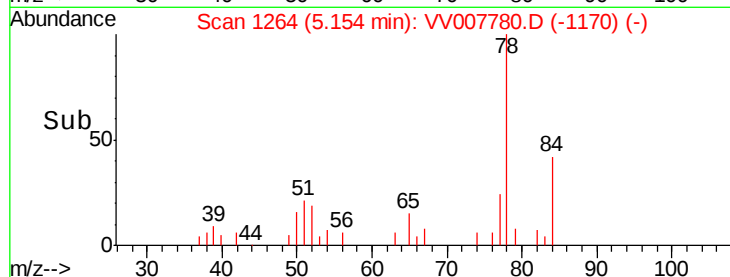
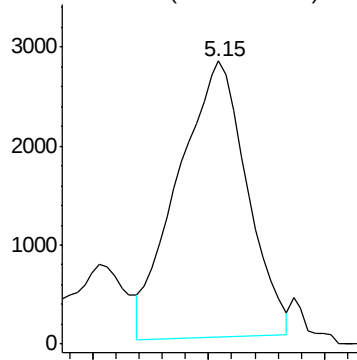
ClientSampled :

C08M7

Tgt Ion: 78 Resp: 5775



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 5.994 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007780.D

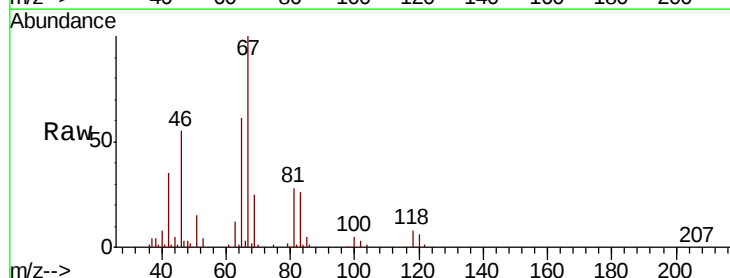
Acq: 23 Sep 2018 11:49

Tgt Ion: 63 Resp: 6353

Ion Ratio Lower Upper

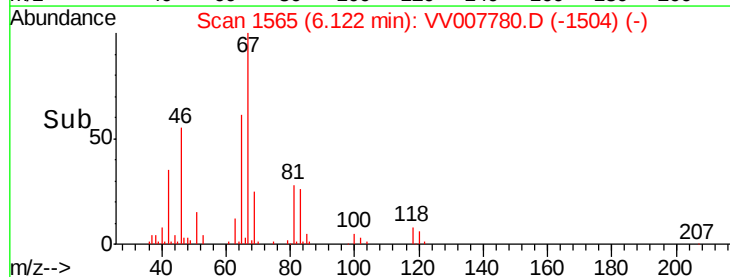
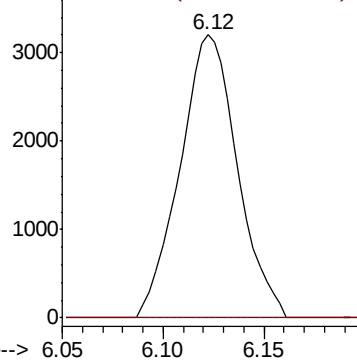
63 100

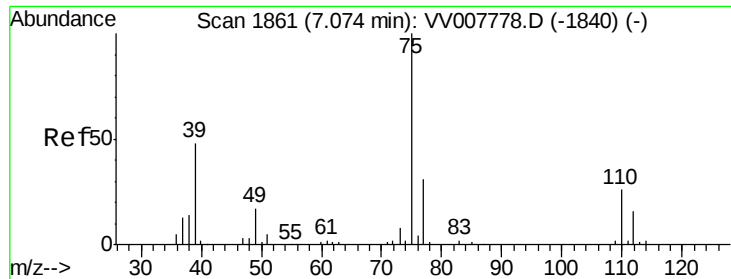
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V



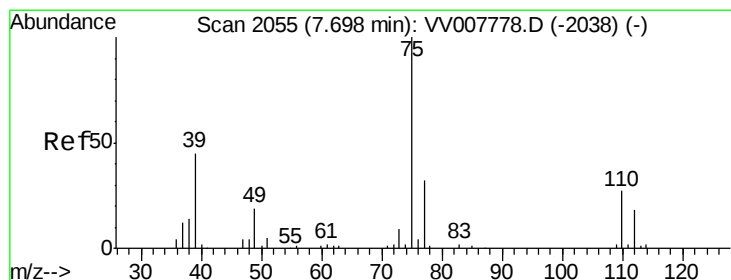
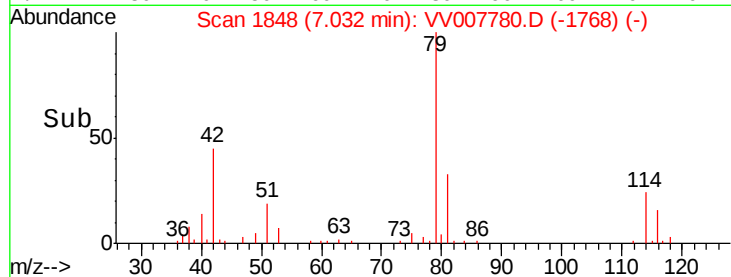
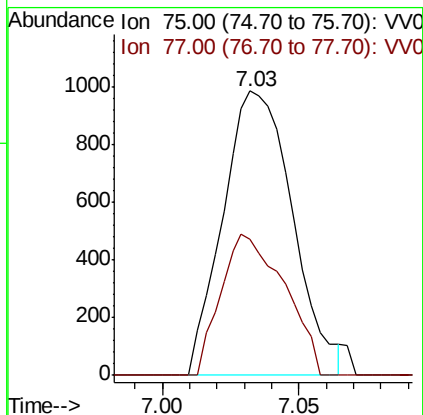
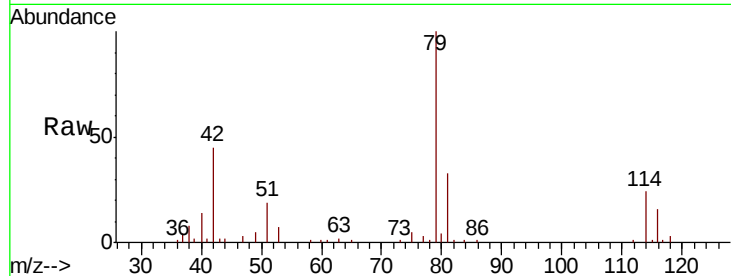


#39

cis-1,3-Dichloropropene
Concen: 1.020 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV007780.D
Acq: 23 Sep 2018 11:49

Instrument :
MSVOA_V
ClientSampled :
C08M7

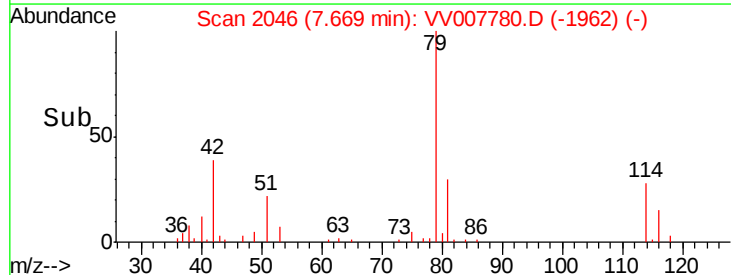
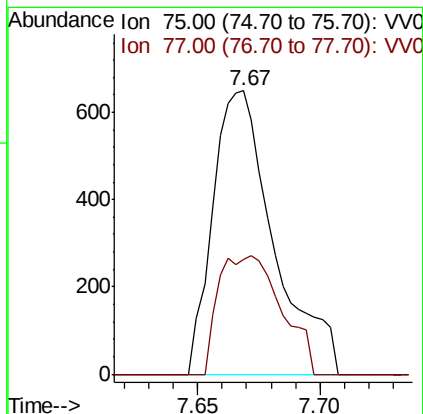
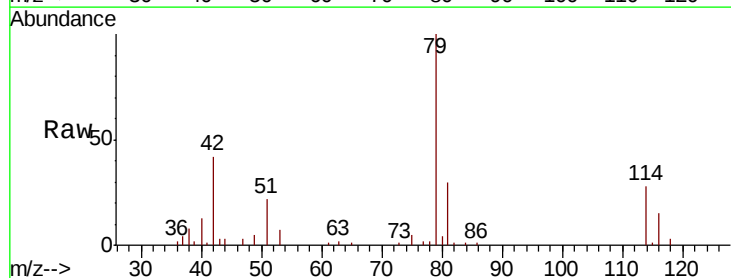
Tgt Ion: 75 Resp: 1738
Ion Ratio Lower Upper
75 100
77 47.8 22.0 40.8#

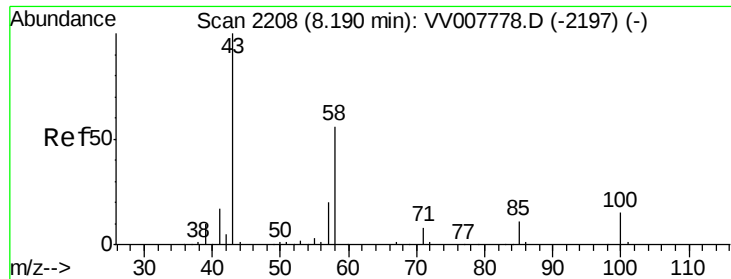


#44

trans-1,3-Dichloropropene
Concen: 0.699 ug/L
RT: 7.67 min Scan# 2046
Delta R.T. -0.03 min
Lab File: VV007780.D
Acq: 23 Sep 2018 11:49

Tgt Ion: 75 Resp: 1131
Ion Ratio Lower Upper
75 100
77 40.7 22.0 40.8

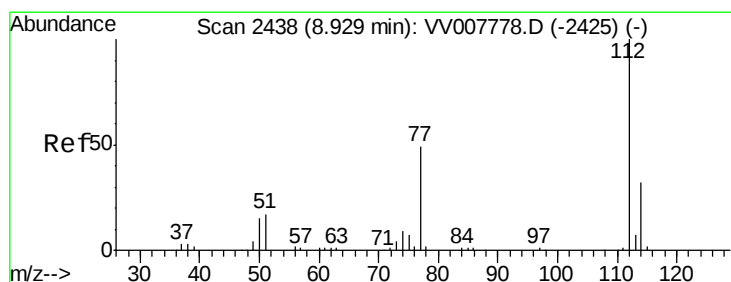
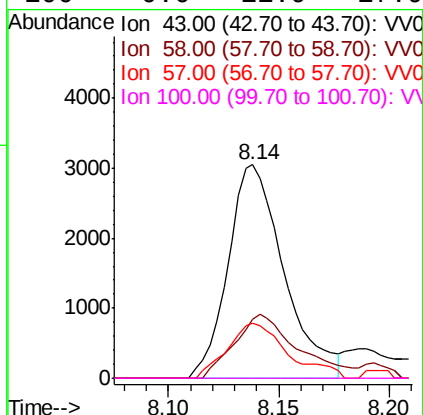
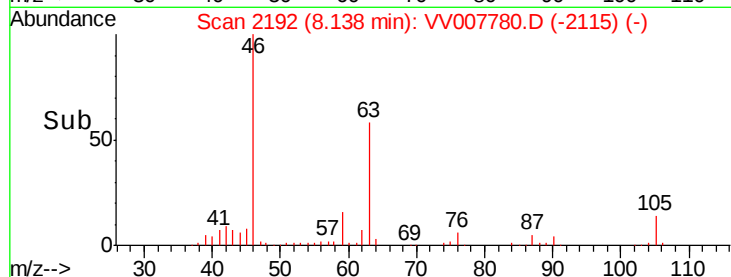
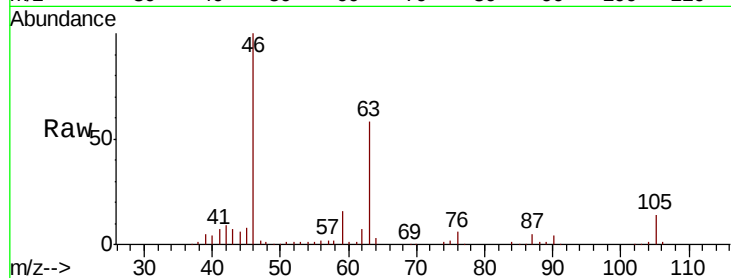




#48
2-Hexanone
Concen: 4.980 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV007780.D
Acq: 23 Sep 2018 11:49

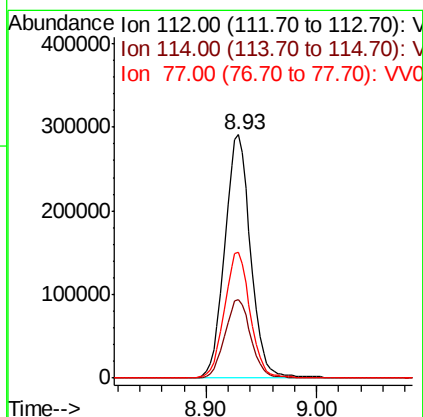
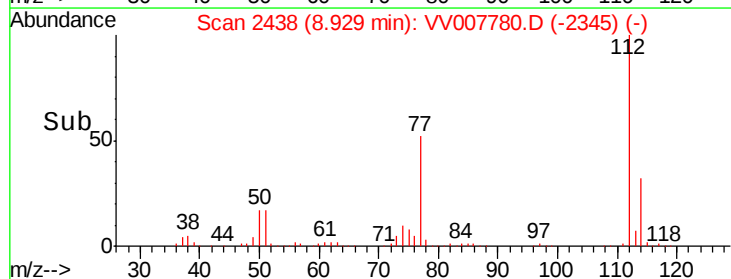
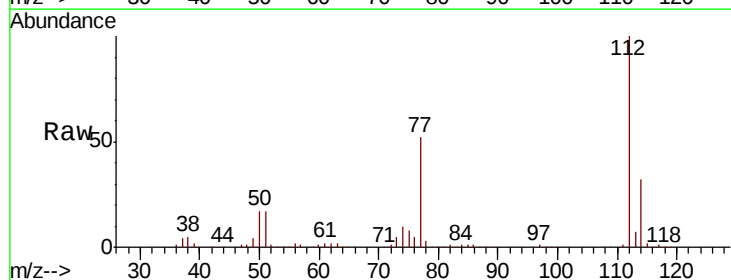
Instrument :
MSVOA_V
ClientSampleId :
C08M7

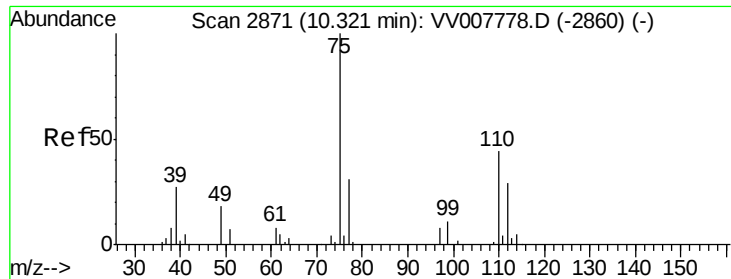
Tgt Ion:	43	Resp:	5377
Ion	Ratio	Lower	Upper
43	100		
58	33.8	41.4	62.0#
57	24.6	16.0	24.0#
100	0.0	11.9	17.9#



#51
Chlorobenzene
Concen: 131.749 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV007780.D
Acq: 23 Sep 2018 11:49

Tgt Ion:	112	Resp:	473565
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	51.5	40.6	60.8





#59

1,2,3-Trichloropropane

Concen: 22.163 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.91 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

Instrument :

MSVOA_V

ClientSampleId :

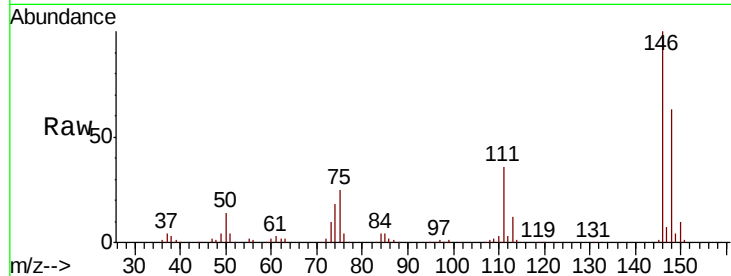
C08M7

Tgt Ion: 75 Resp: 33218

Ion Ratio Lower Upper

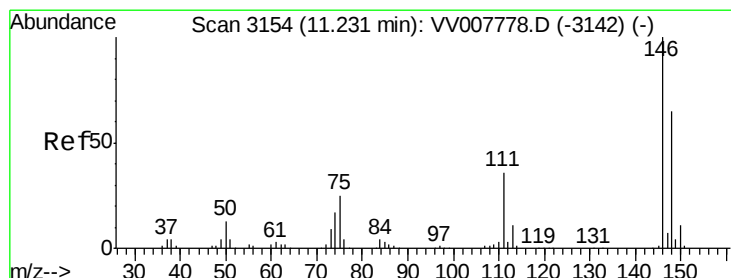
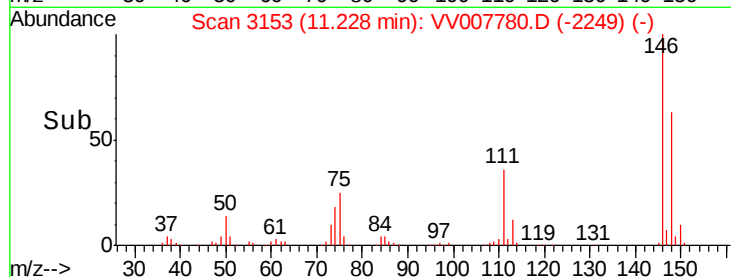
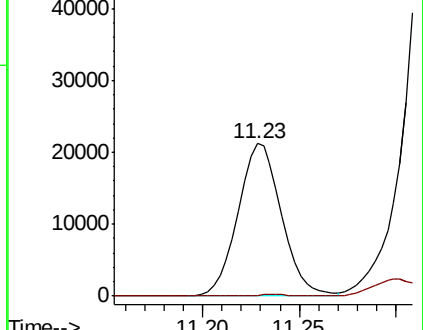
75 100

77 0.7 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV007778.D (-2860) (-)



#62

1,3-Dichlorobenzene

Concen: 41.022 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

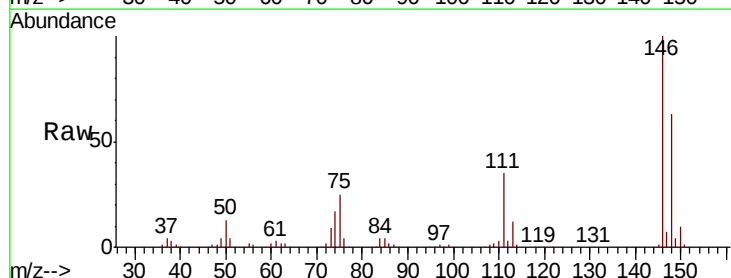
Tgt Ion: 146 Resp: 132312

Ion Ratio Lower Upper

146 100

111 35.3 25.1 46.7

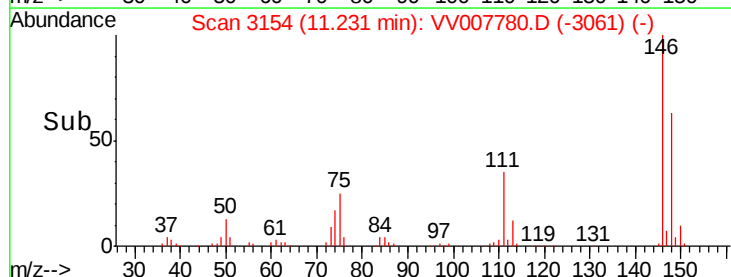
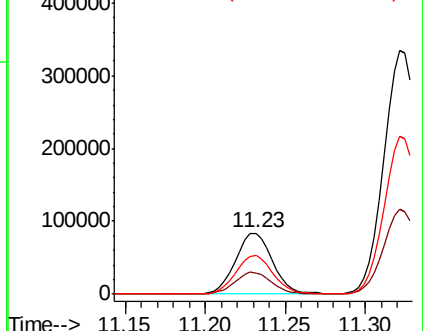
148 62.7 45.1 83.9

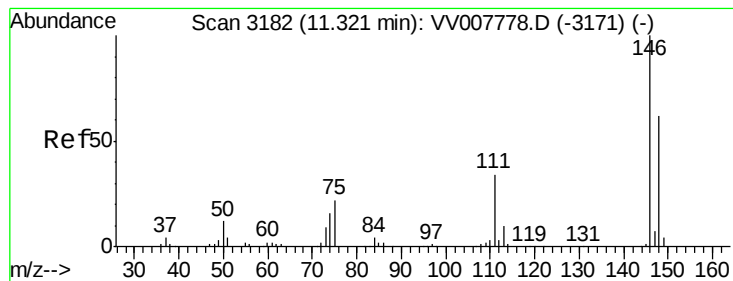


Abundance Ion 146.00 (145.70 to 146.70): VV007778.D (-3142) (-)

Ion 111.00 (110.70 to 111.70): VV007778.D (-3142) (-)

Ion 148.00 (147.70 to 148.70): VV007778.D (-3142) (-)





#63

1,4-Dichlorobenzene

Concen: 158.528 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

Instrument :

MSVOA_V

ClientSampleId :

C08M7

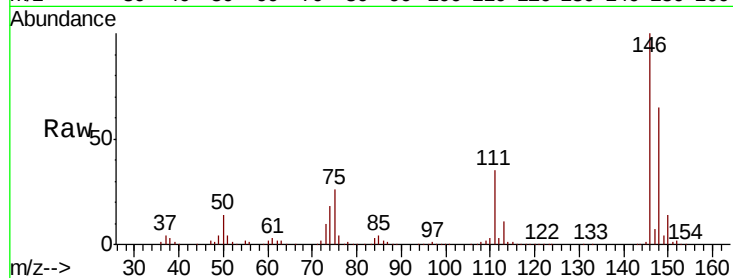
Tgt Ion:146 Resp: 530353

Ion Ratio Lower Upper

146 100

111 35.0 24.4 45.4

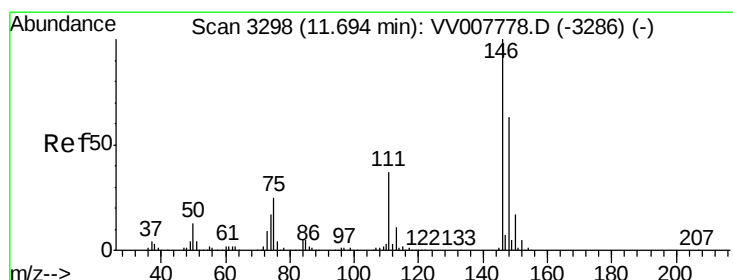
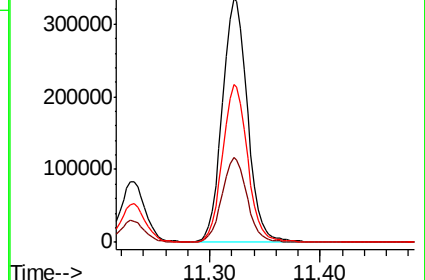
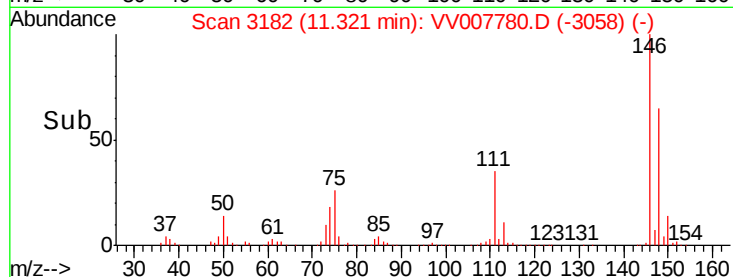
148 64.7 45.1 83.7



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



#65

1,2-Dichlorobenzene

Concen: 62.621 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007780.D

Acq: 23 Sep 2018 11:49

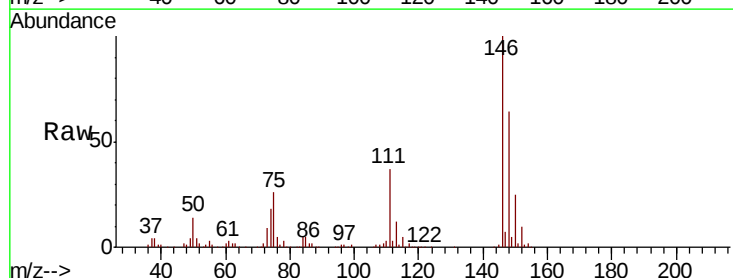
Tgt Ion:146 Resp: 204225

Ion Ratio Lower Upper

146 100

111 37.2 29.8 44.8

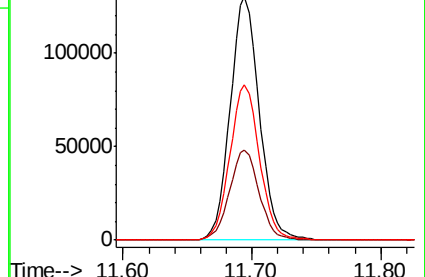
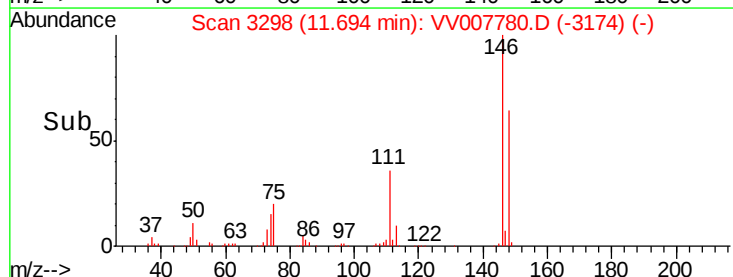
148 63.7 50.8 76.2

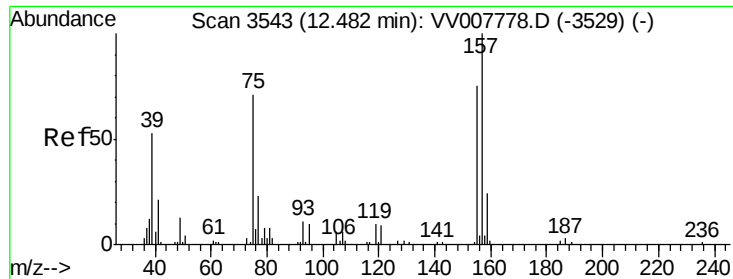


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

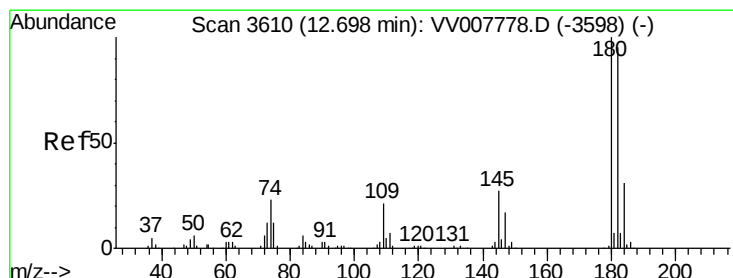
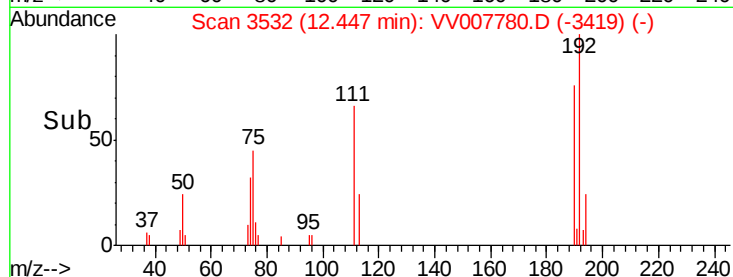
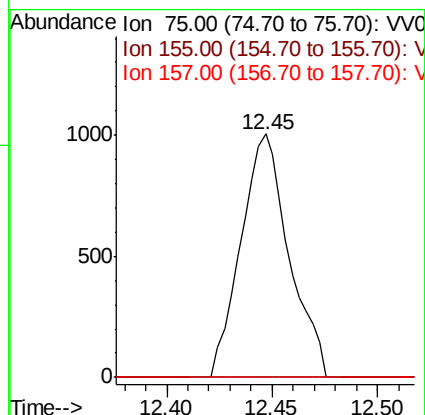
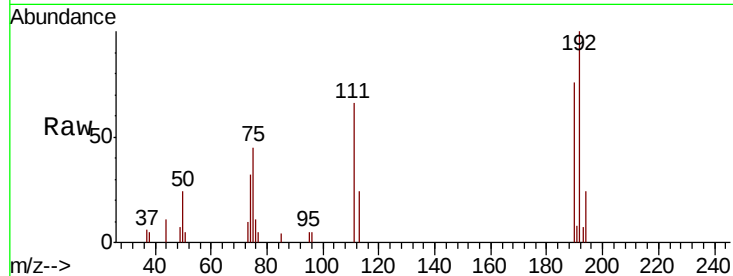




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.029 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.04 min
 Lab File: VV007780.D
 Acq: 23 Sep 2018 11:49

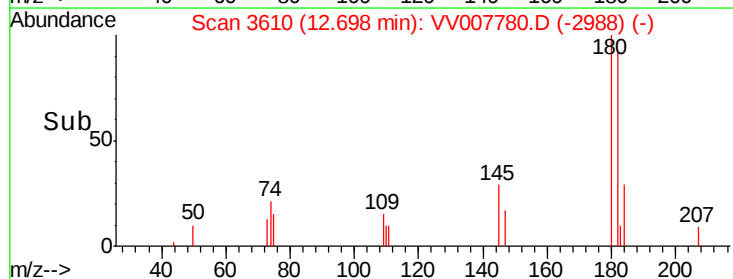
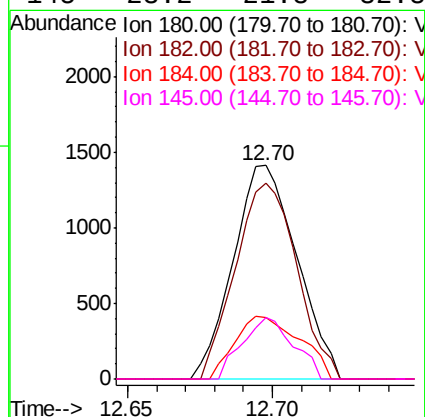
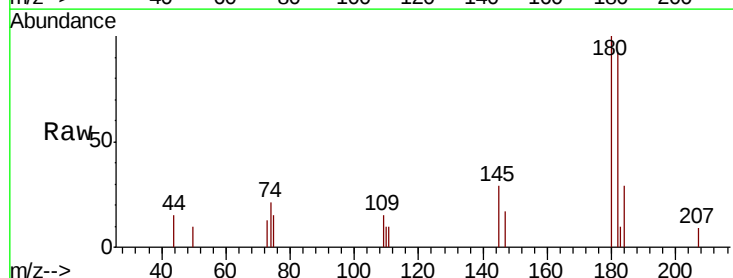
Instrument :
 MSVOA_V
 ClientSampled :
 C08M7

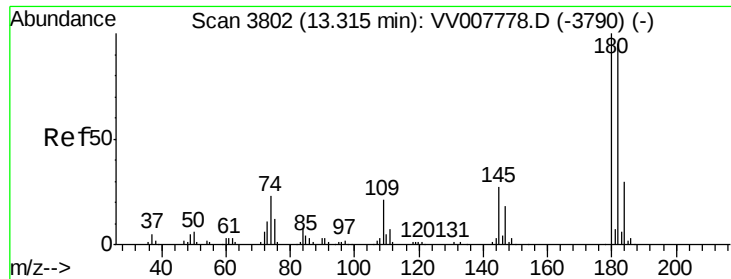
Tgt Ion: 75 Resp: 1589
 Ion Ratio Lower Upper
 75 100
 155 0.0 86.0 129.0#
 157 0.0 111.5 167.3#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.796 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007780.D
 Acq: 23 Sep 2018 11:49

Tgt Ion: 180 Resp: 2155
 Ion Ratio Lower Upper
 180 100
 182 88.4 77.6 116.4
 184 29.7 24.7 37.1
 145 23.2 21.8 32.8

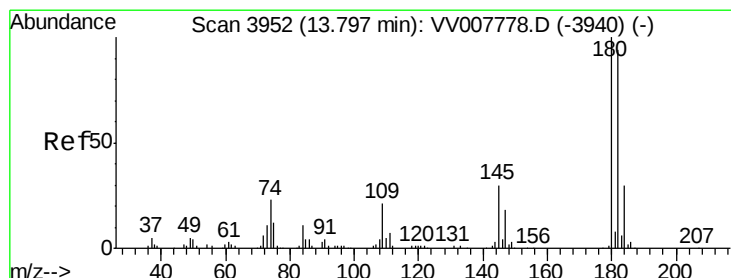
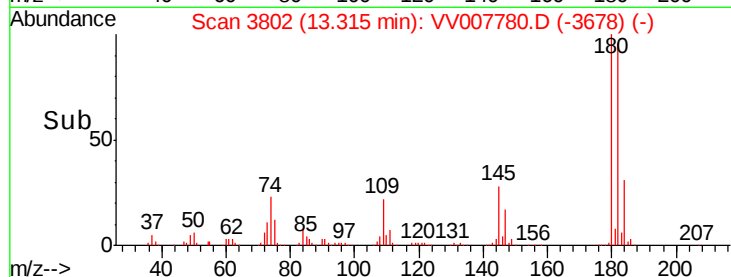
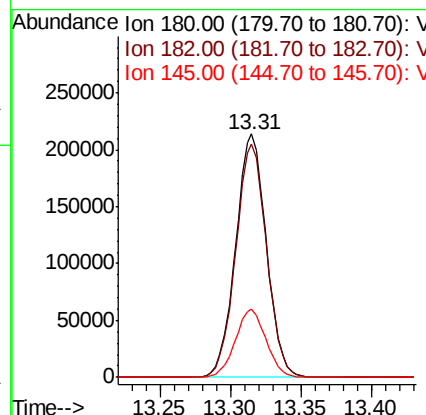
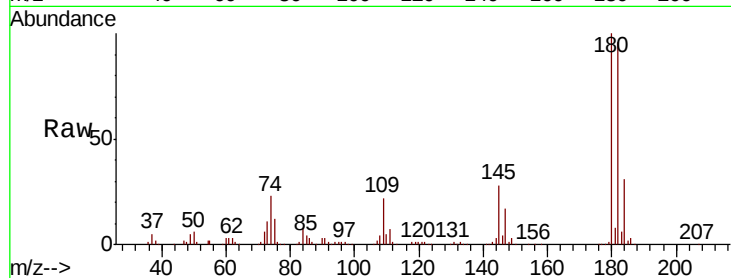




#68
 1,2,4-trichlorobenzene
 Concen: 133.970 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007780.D
 Acq: 23 Sep 2018 11:49

Instrument :
 MSVOA_V
 ClientSampled :
 C08M7

Tgt Ion:180 Resp: 325703
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.6
 145 27.9 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 22.855 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV007780.D
 Acq: 23 Sep 2018 11:49

Tgt Ion:180 Resp: 56162
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 29.3 23.3 34.9

