

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007781.D
 Acq On : 23 Sep 2018 12:14
 Operator : SY/MD
 Sample : J5013-01 500X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08R4

Quant Time: Sep 24 07:20:58 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	180162	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95386	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36137	36.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.80%
7) Chloroethane-d5	1.59	69	37898	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.18%
11) 1,1-Dichloroethene-d2	2.14	63	73874	32.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.00%
21) 2-Butanone-d5	3.95	46	58070	89.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.80%
24) Chloroform-d	4.41	84	85082	40.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.16%
26) 1,2-Dichloroethane-d4	5.09	65	61201	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	5.11	84	180878	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
36) 1,2-Dichloropropane-d6	6.13	67	53235	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.94%
41) Toluene-d8	7.37	98	185031	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.67	79	21586	35.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.54%
47) 2-Hexanone-d5	8.14	63	44323	84.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.08%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80448	43.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.10%
64) 1,2-Dichlorobenzene-d4	11.68	152	88727	45.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.44%

Target Compounds

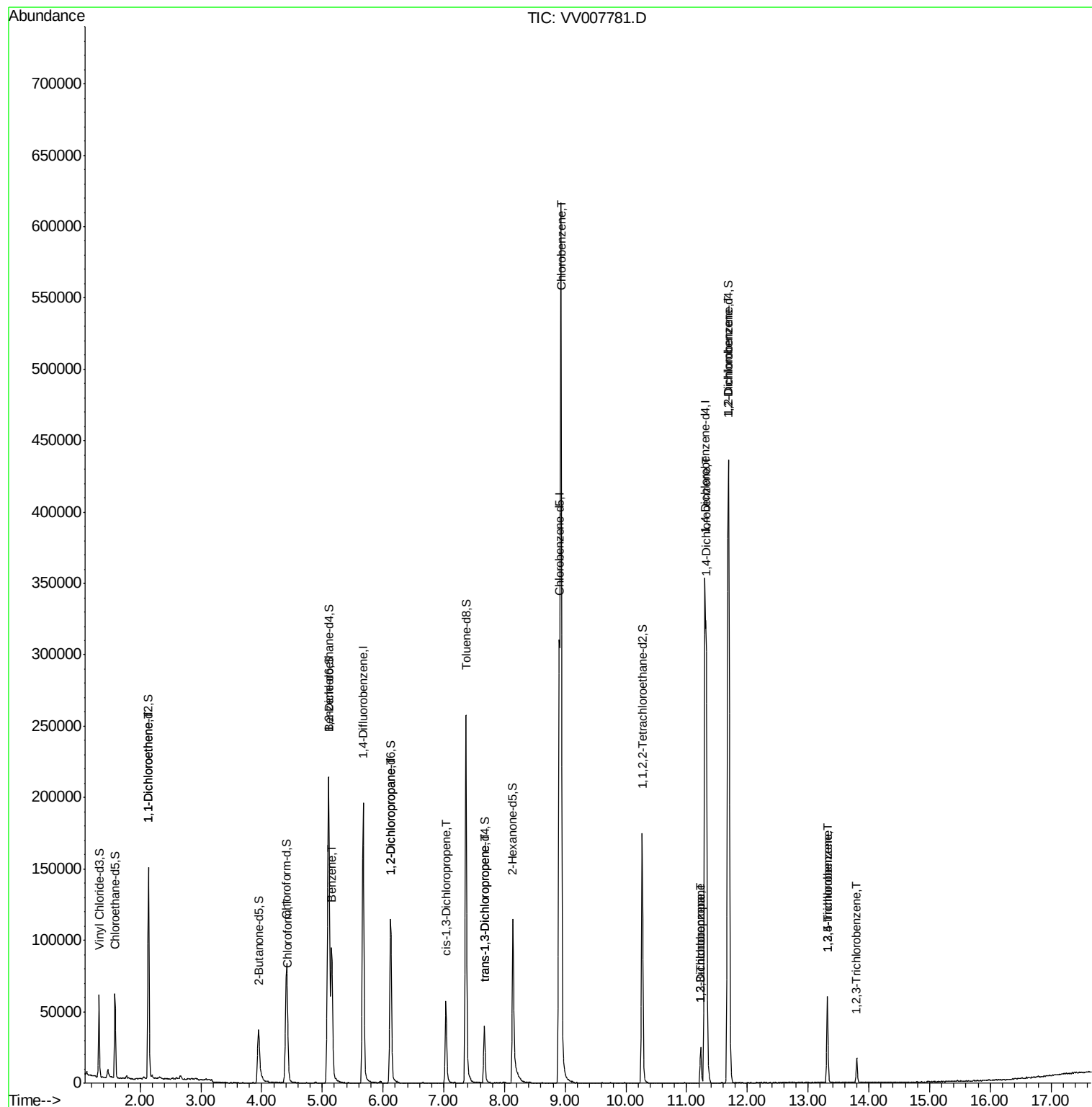
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	728	0.609	ug/L #	1
25) Chloroform	4.44	83	5211	2.581	ug/L	96
33) Benzene	5.15	78	91940	21.766	ug/L	100
37) 1,2-Dichloropropane	6.13	63	6703	6.303	ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1753	1.025	ug/L #	64
44) trans-1,3-Dichloropropene	7.67	75	1214	0.748	ug/L	94
51) Chlorobenzene	8.93	112	340865	94.510	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	2980	1.981	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	11605	3.837	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	124314	39.628	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	148424	48.535	ug/L	99
67) 1,3,5-Trichlorobenzene	13.32	180	21285	8.380	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	21285	9.337	ug/L	96
70) 1,2,3-Trichlorobenzene	13.80	180	6194	2.688	ug/L	95

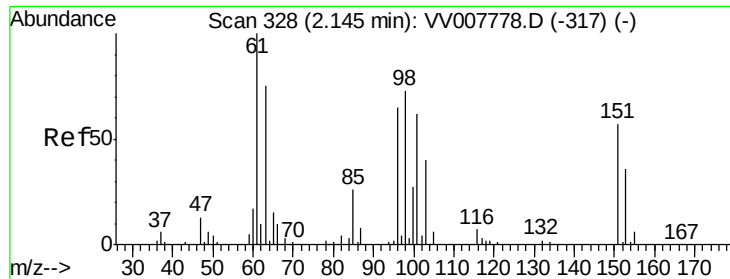
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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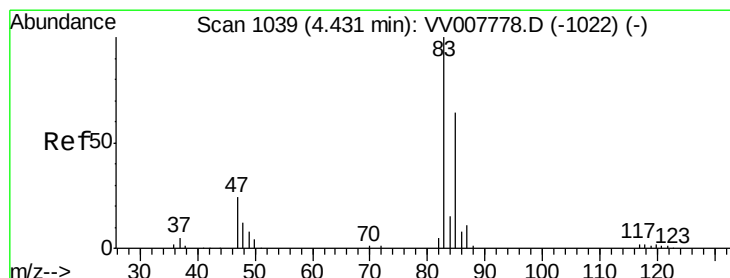
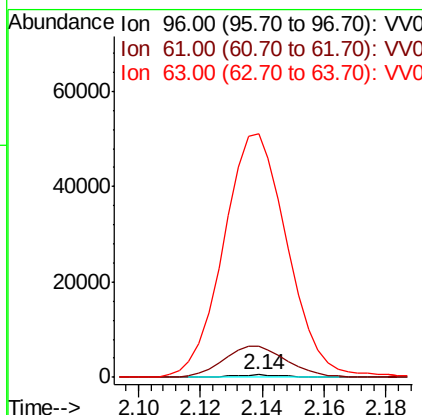
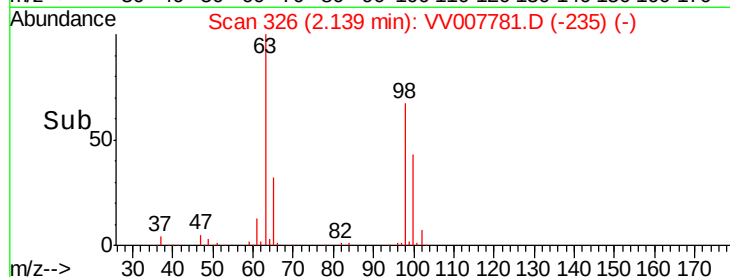
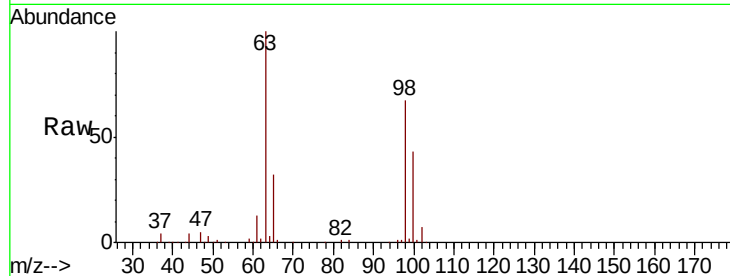




#12
 1,1-Dichloroethene
 Concen: 0.609 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

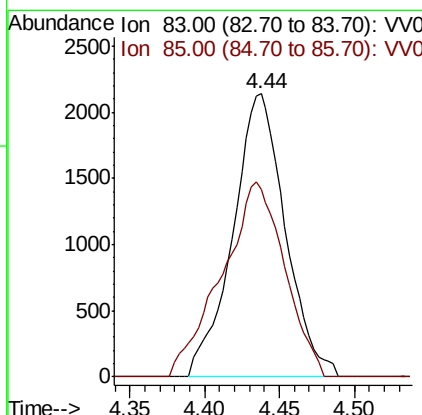
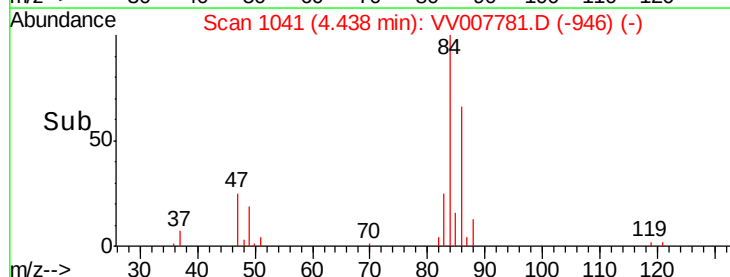
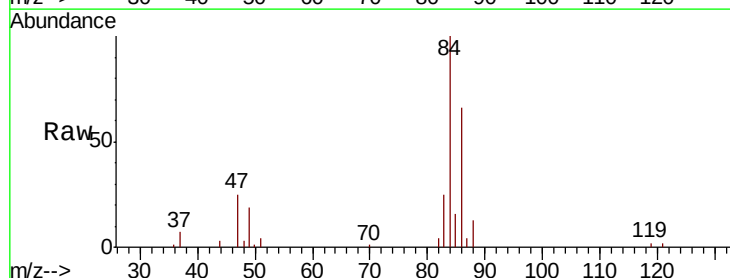
Instrument :
 MSVOA_V
 ClientSampleId :
 C08R4

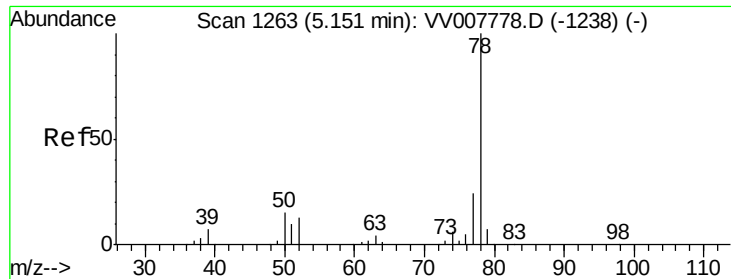
Tgt Ion: 96 Resp: 728
 Ion Ratio Lower Upper
 96 100
 61 1325.8 107.3 199.3#
 63 10359.4 78.8 146.4#



#25
 Chloroform
 Concen: 2.581 ug/L
 RT: 4.44 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

Tgt Ion: 83 Resp: 5211
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.0 81.8





#33

Benzene

Concen: 21.766 ug/L

RT: 5.15 min Scan# 1264

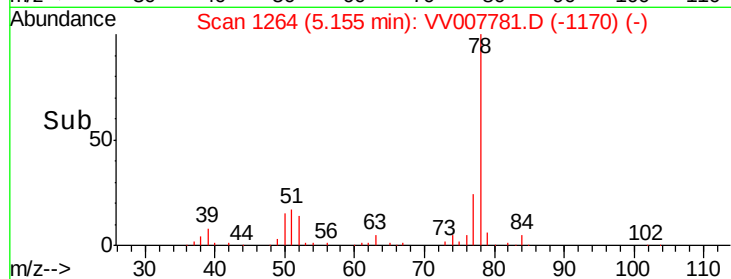
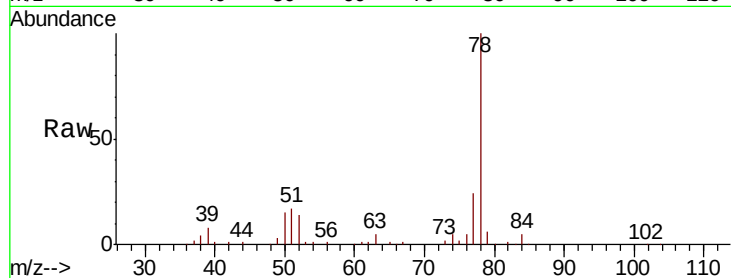
Delta R.T. 0.00 min

Lab File: VV007781.D

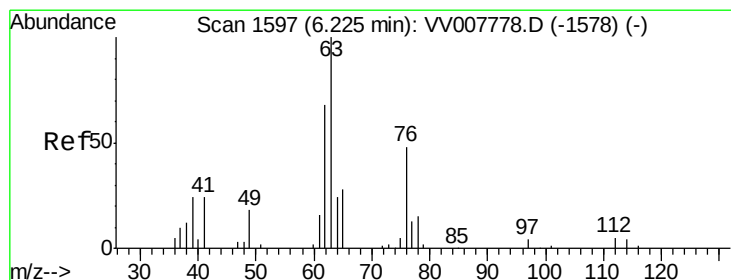
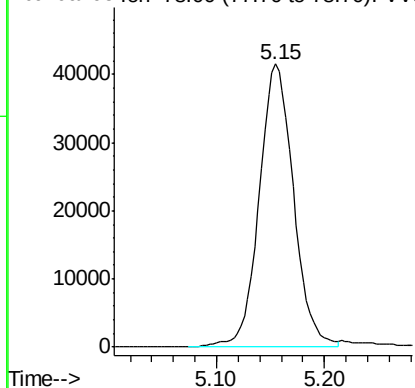
Acq: 23 Sep 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
C08R4

Tgt Ion: 78 Resp: 91940



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.303 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007781.D

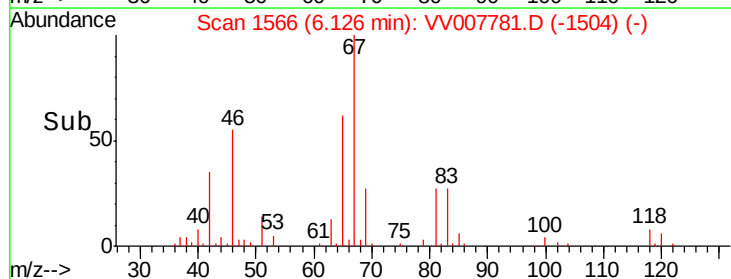
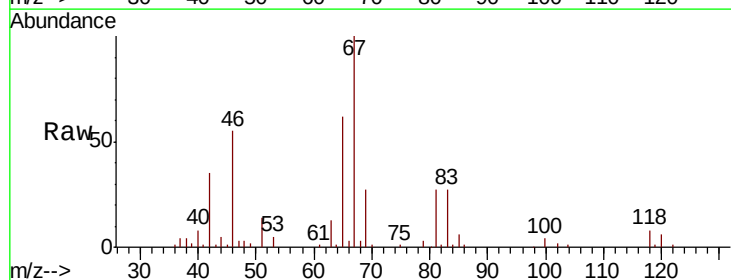
Acq: 23 Sep 2018 12:14

Tgt Ion: 63 Resp: 6703

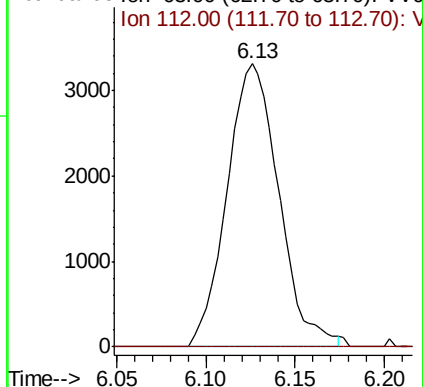
Ion Ratio Lower Upper

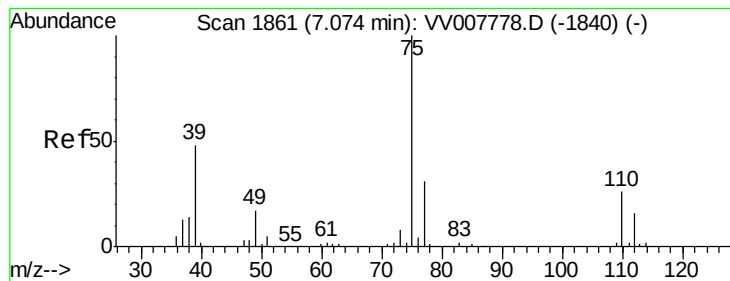
63 100

112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0



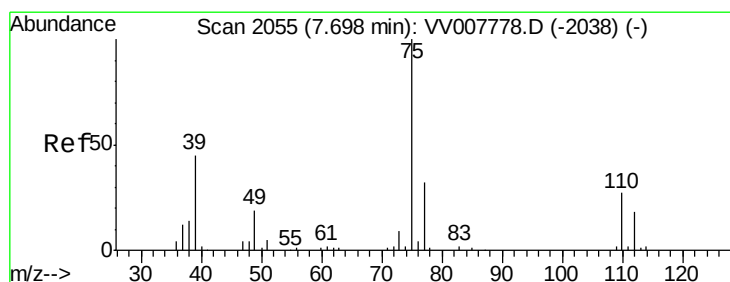
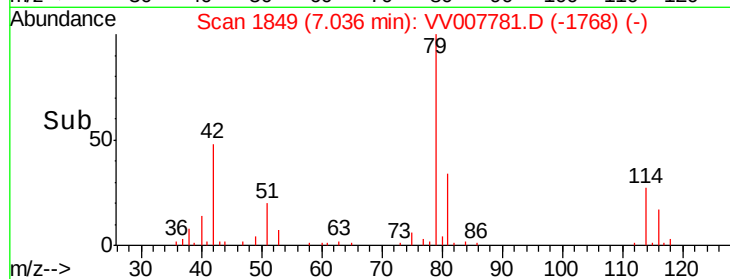
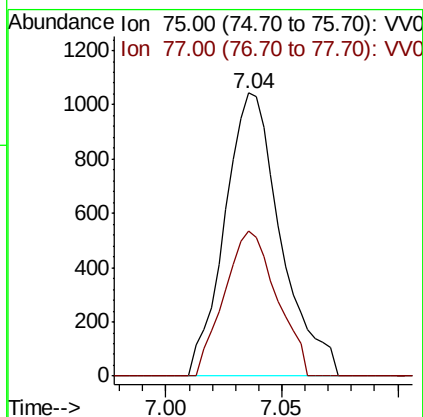
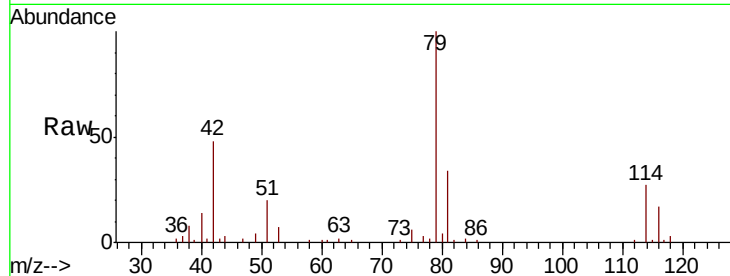


#39

cis-1,3-Dichloropropene
 Concen: 1.025 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 C08R4

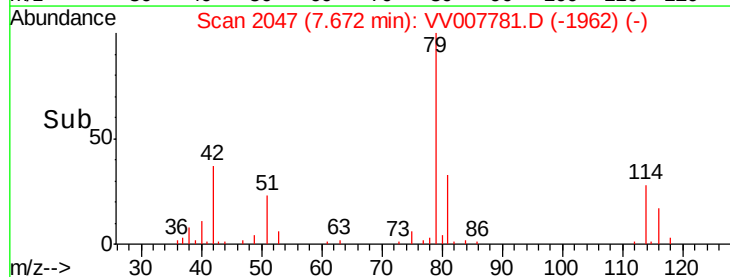
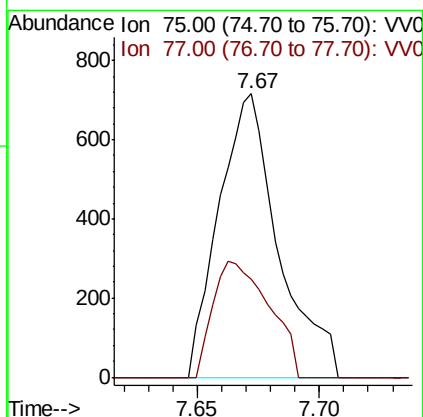
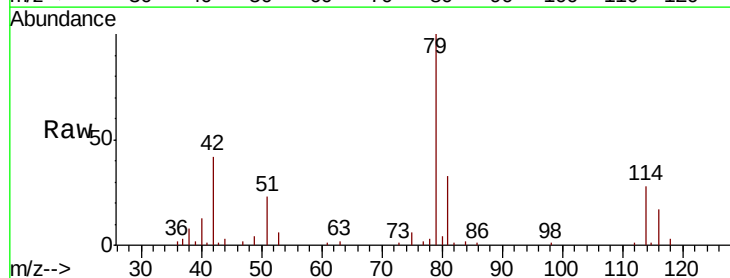
Tgt Ion: 75 Resp: 1753
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.0 40.8#

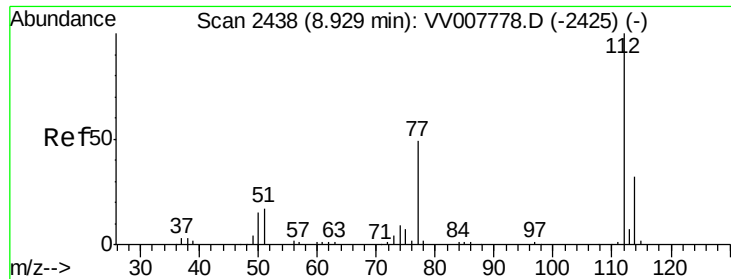


#44

trans-1,3-Dichloropropene
 Concen: 0.748 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.03 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

Tgt Ion: 75 Resp: 1214
 Ion Ratio Lower Upper
 75 100
 77 34.8 22.0 40.8





#51

Chlorobenzene

Concen: 94.510 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007781.D

Acq: 23 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

C08R4

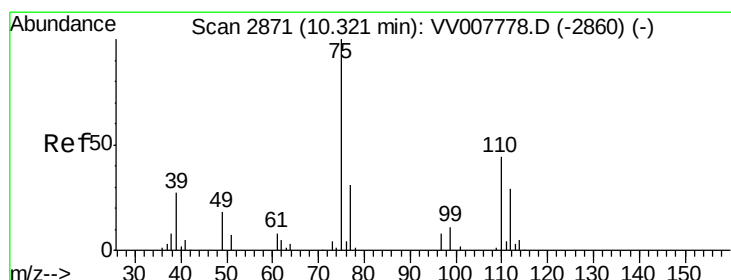
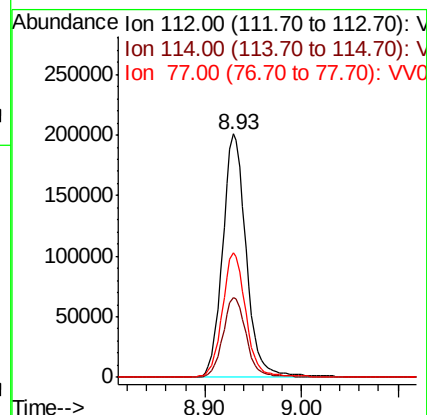
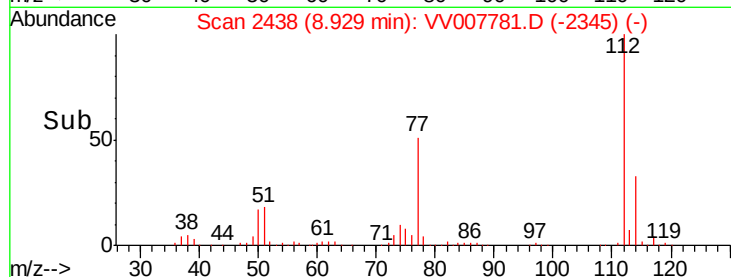
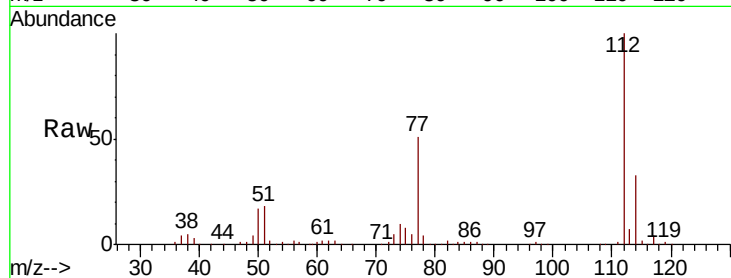
Tgt Ion: 112 Resp: 340865

Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

77 51.4 40.6 60.8



#59

1,2,3-Trichloropropane

Concen: 1.981 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.91 min

Lab File: VV007781.D

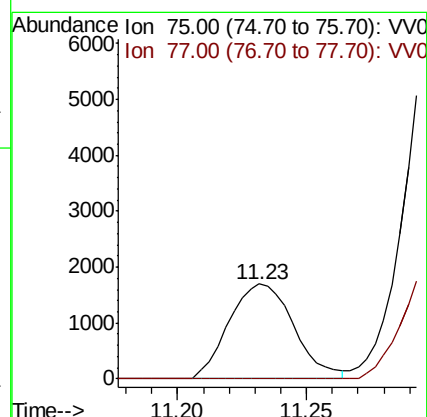
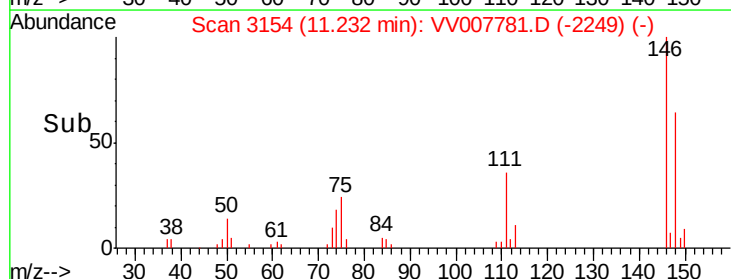
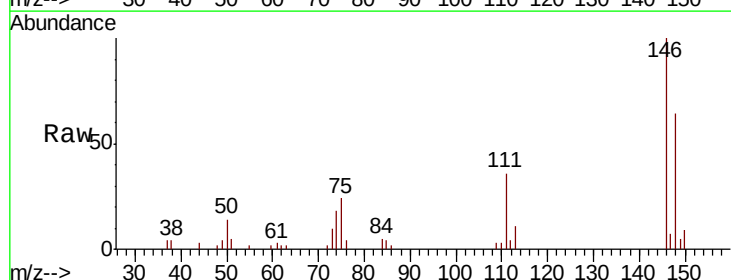
Acq: 23 Sep 2018 12:14

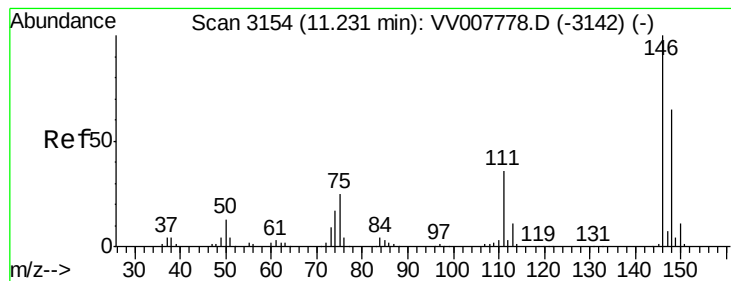
Tgt Ion: 75 Resp: 2980

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#





#62

1,3-Dichlorobenzene

Concen: 3.837 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007781.D

Acq: 23 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampled :

C08R4

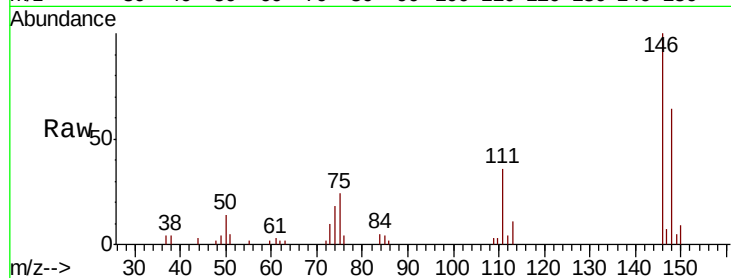
Tgt Ion:146 Resp: 11605

Ion Ratio Lower Upper

146 100

111 36.5 25.1 46.7

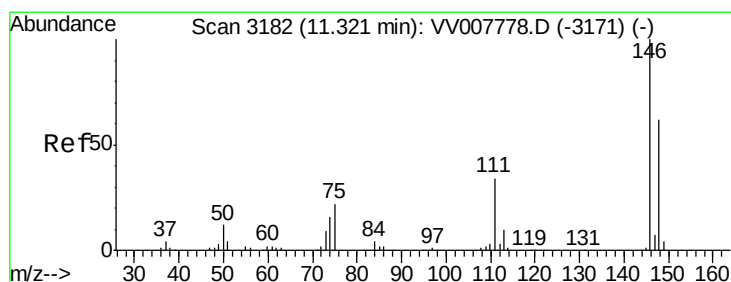
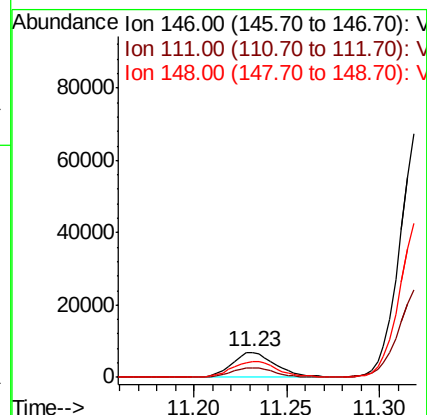
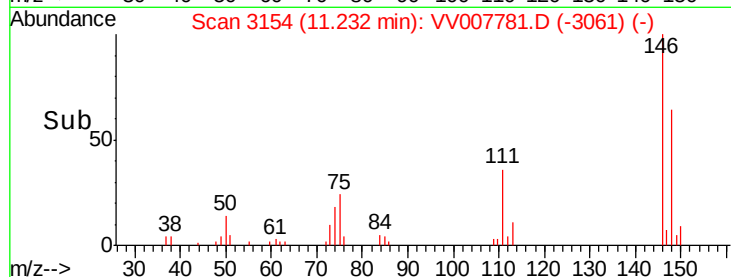
148 64.3 45.1 83.9



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



#63

1,4-Dichlorobenzene

Concen: 39.628 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007781.D

Acq: 23 Sep 2018 12:14

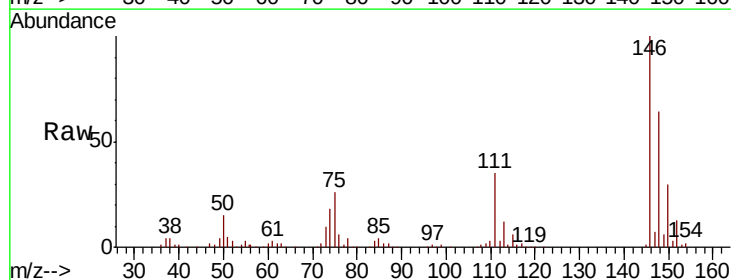
Tgt Ion:146 Resp: 124314

Ion Ratio Lower Upper

146 100

111 35.0 24.4 45.4

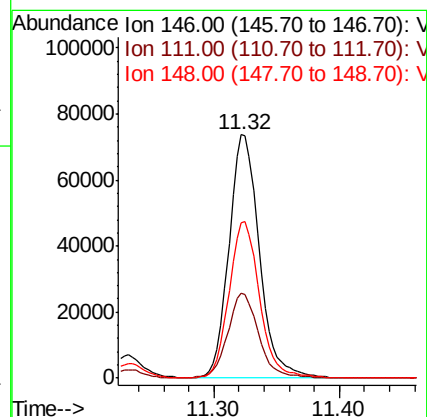
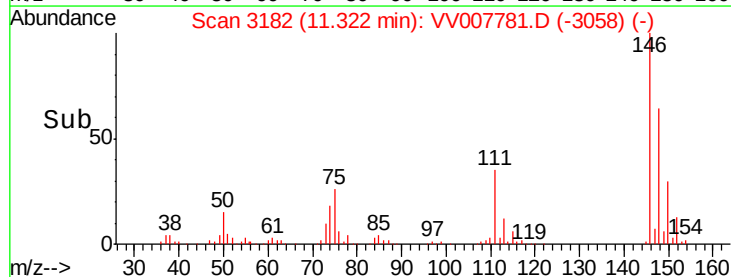
148 63.6 45.1 83.7

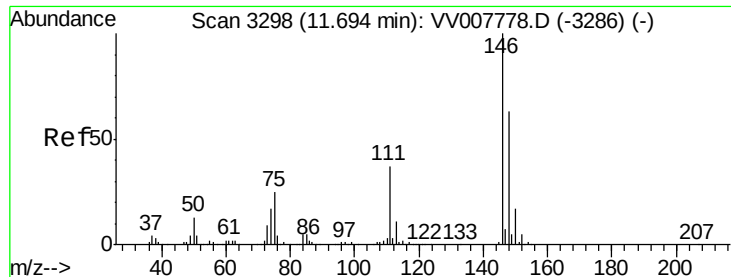


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.535 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007781.D

Acq: 23 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

C08R4

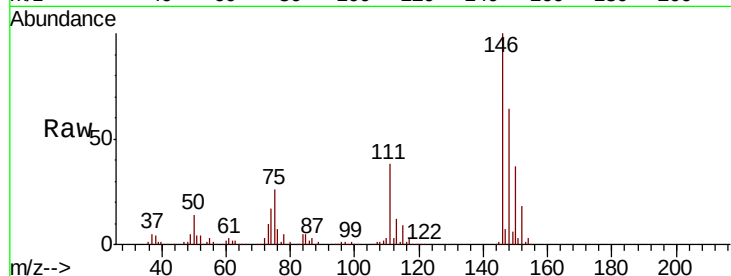
Tgt Ion:146 Resp: 148424

Ion Ratio Lower Upper

146 100

111 37.5 29.8 44.8

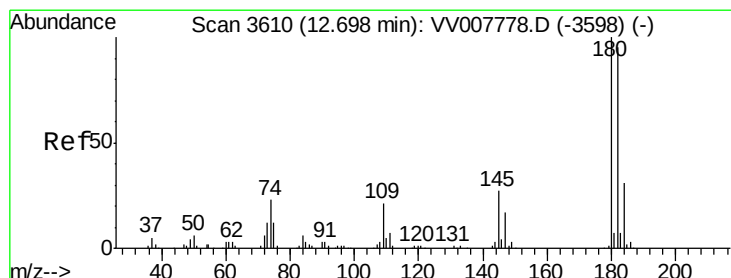
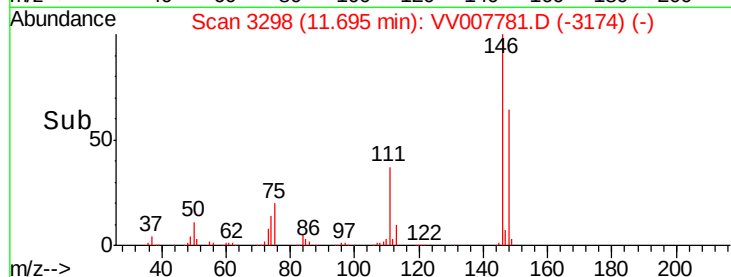
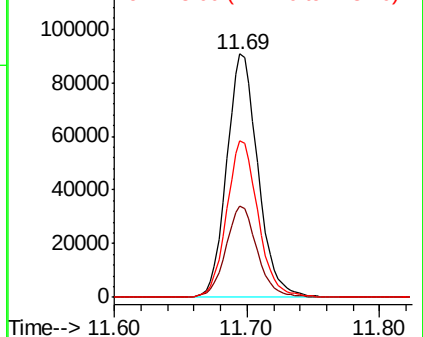
148 64.3 50.8 76.2



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



#67

1,3,5-Trichlorobenzene

Concen: 8.380 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.62 min

Lab File: VV007781.D

Acq: 23 Sep 2018 12:14

Tgt Ion:180 Resp: 21285

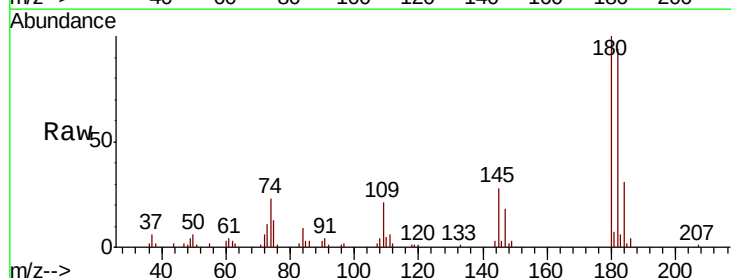
Ion Ratio Lower Upper

180 100

182 92.0 77.6 116.4

184 31.2 24.7 37.1

145 27.3 21.8 32.8

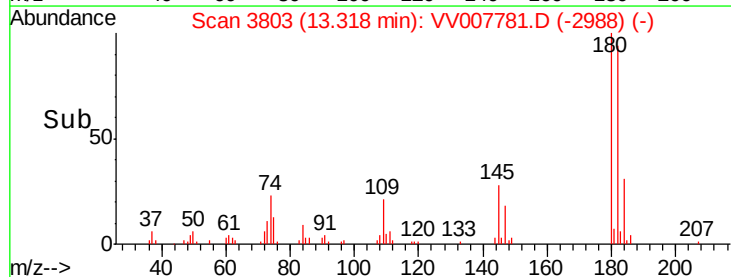
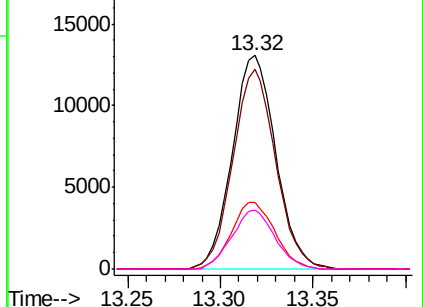


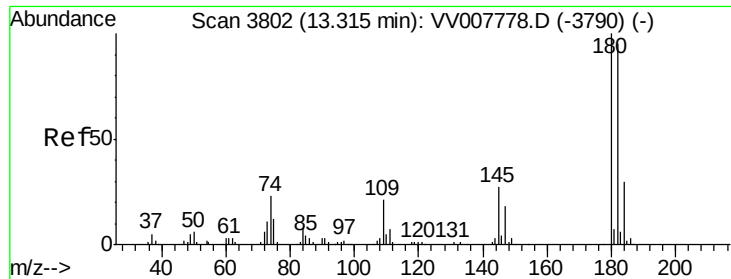
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

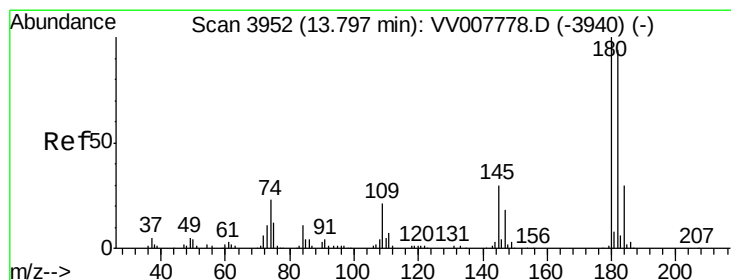
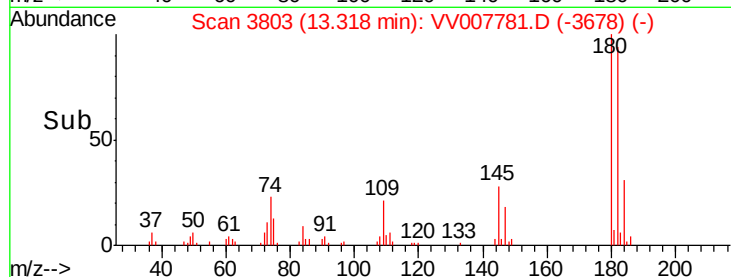
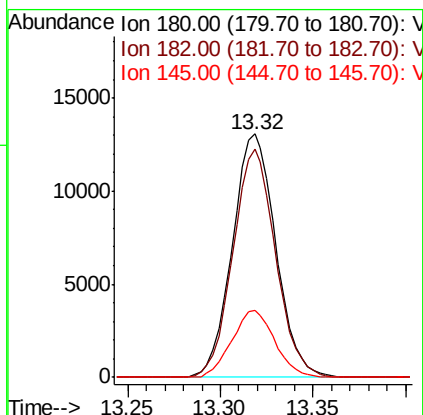
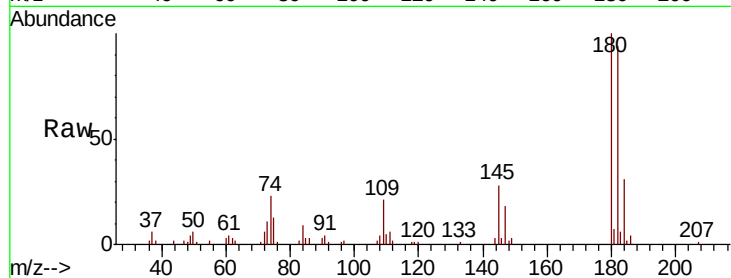




#68
 1,2,4-trichlorobenzene
 Concen: 9.337 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 C08R4

Tgt Ion:180 Resp: 21285
 Ion Ratio Lower Upper
 180 100
 182 92.0 77.0 115.6
 145 27.3 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 2.688 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. 0.00 min
 Lab File: VV007781.D
 Acq: 23 Sep 2018 12:14

Tgt Ion:180 Resp: 6194
 Ion Ratio Lower Upper
 180 100
 182 90.3 77.4 116.2
 145 29.2 23.3 34.9

