

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007773.D
 Acq On : 23 Sep 2018 07:59
 Operator : SY/MD
 Sample : J5013-14
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C08S1

Quant Time: Sep 24 05:17:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 05:16:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	175431	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171469	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89680	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38002	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.72%
7) Chloroethane-d5	1.59	69	38522	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.92%
11) 1,1-Dichloroethene-d2	2.14	63	74920	33.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.66%
21) 2-Butanone-d5	3.95	46	51209	81.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.32%
24) Chloroform-d	4.41	84	87292	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.09	65	62664	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.11	84	179477	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
36) 1,2-Dichloropropane-d6	6.13	67	53196	45.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.40%
41) Toluene-d8	7.36	98	182392	44.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.58%
43) trans-1,3-Dichloropropene-	7.67	79	21785	37.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.24%
47) 2-Hexanone-d5	8.14	63	42920	83.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.74%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80344	44.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.44%
64) 1,2-Dichlorobenzene-d4	11.68	152	84964	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%

Target Compounds

					Qvalue
8) Chloroethane	1.37	64	108240	142.762 ug/L #	52
9) Trichlorofluoromethane	2.14	101	881	0.377 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	881	0.664 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	763	0.656 ug/L #	1
13) Acetone	2.20	43	1957	2.945 ug/L	64
37) 1,2-Dichloropropane	6.13	63	6432	6.220 ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1781	1.071 ug/L #	75
44) trans-1,3-Dichloropropene	7.67	75	989	0.627 ug/L	94
48) 2-Hexanone	8.14	43	5432	5.157 ug/L #	75
51) Chlorobenzene	8.93	112	9985	2.847 ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	3448	1.213 ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	57827	19.606 ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	10176	3.539 ug/L	98
67) 1,3,5-Trichlorobenzene	13.32	180	7898	3.307 ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	7898	3.685 ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	2725	1.258 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Mon Sep 24 05:16:03 2018
Response via : Initial Calibration

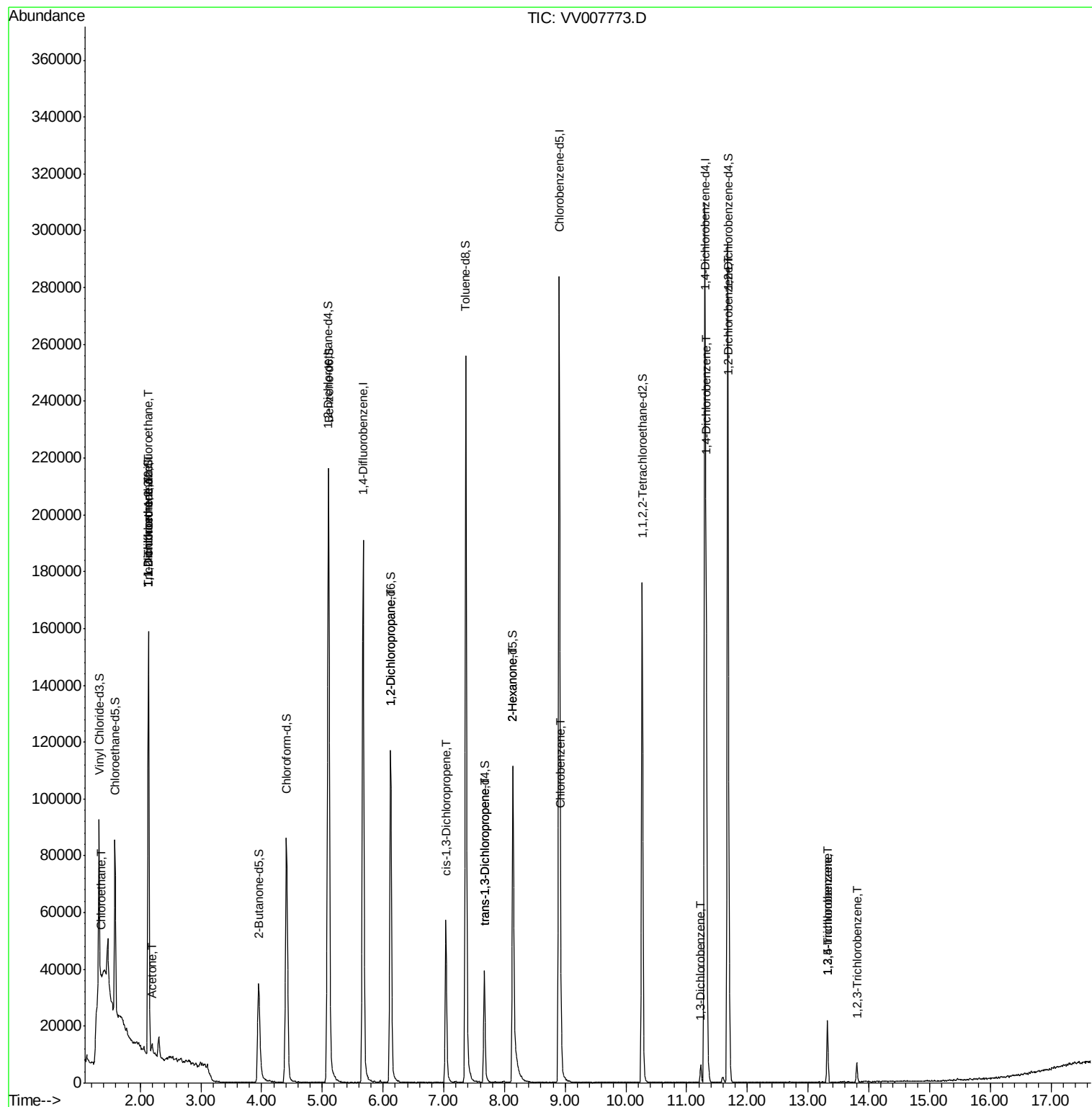
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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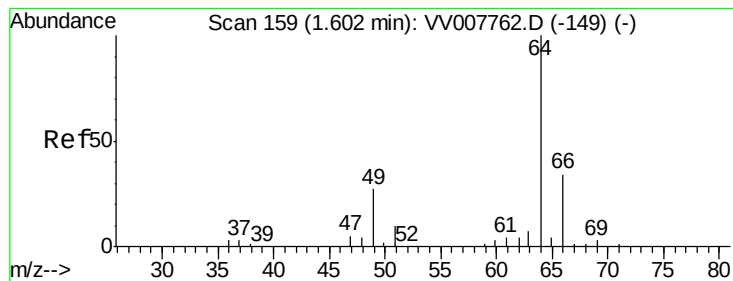
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
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#8

Chloroethane

Concen: 142.762 ug/L

RT: 1.37 min Scan# 86

Delta R.T. -0.23 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

Instrument :

MSVOA_V

ClientSampleId :

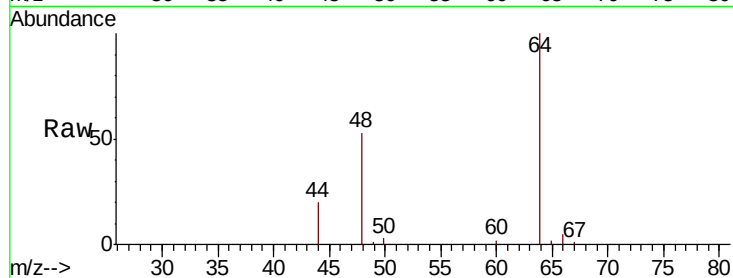
C08S1

Tgt Ion: 64 Resp: 108240

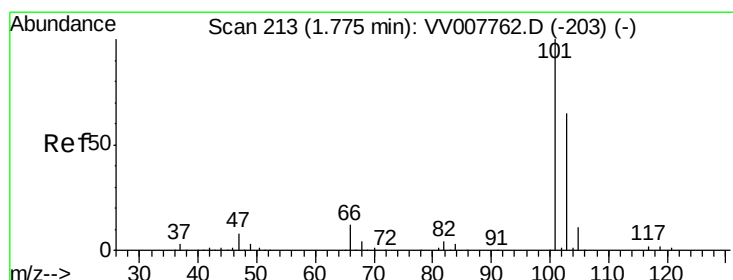
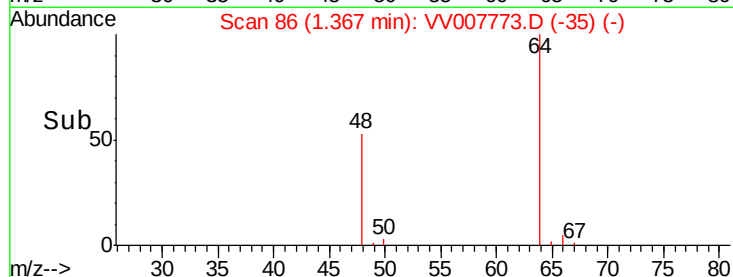
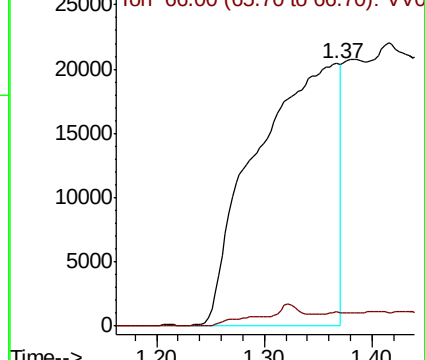
Ion Ratio Lower Upper

64 100

66 5.4 22.3 41.5#



Abundance Ion 64.00 (63.70 to 64.70): VV007773.D (-86) (-)



#9

Trichlorofluoromethane

Concen: 0.377 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.36 min

Lab File: VV007773.D

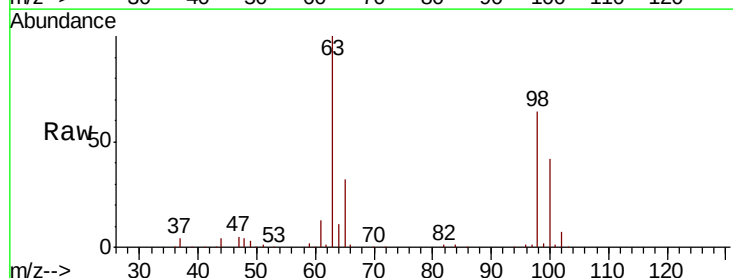
Acq: 23 Sep 2018 07:59

Tgt Ion: 101 Resp: 881

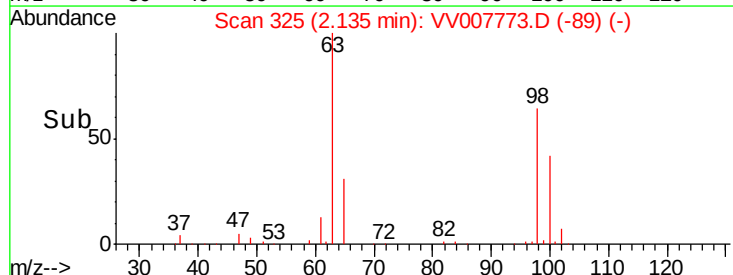
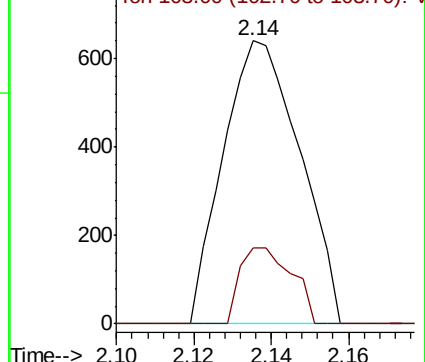
Ion Ratio Lower Upper

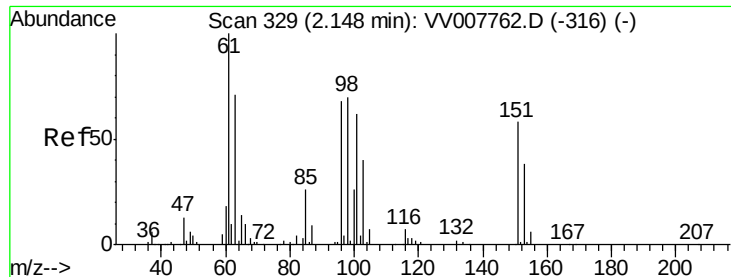
101 100

103 18.3 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): VV007773.D (-325) (-)





#10

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

Concen: 0.664 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

Instrument :

MSVOA_V

ClientSampleId :

C08S1

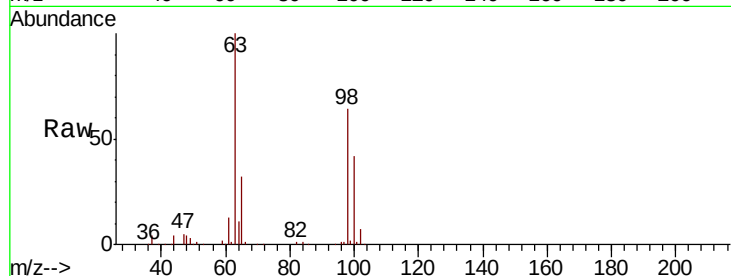
Tgt Ion: 101 Resp: 881

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

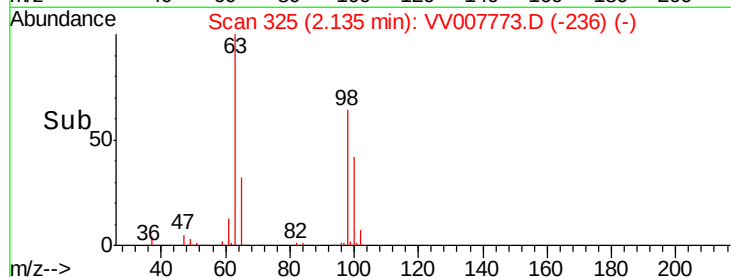
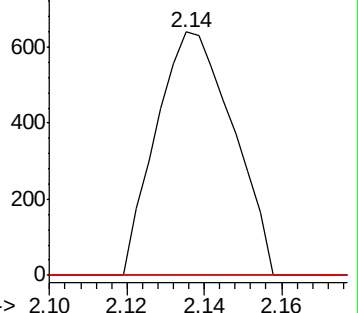
151 0.0 72.2 108.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.656 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

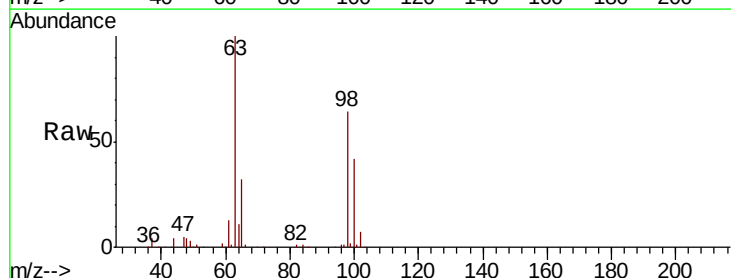
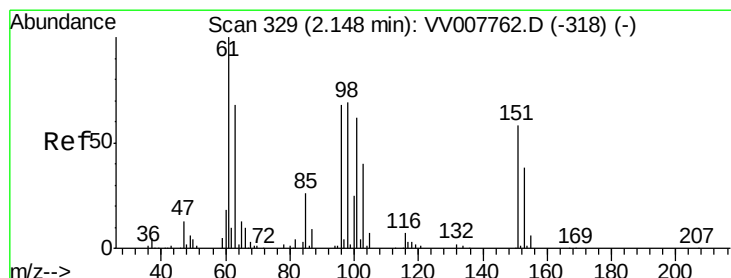
Tgt Ion: 96 Resp: 763

Ion Ratio Lower Upper

96 100

61 1195.2 107.3 199.3#

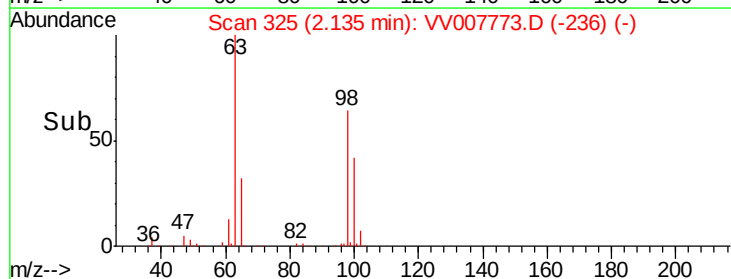
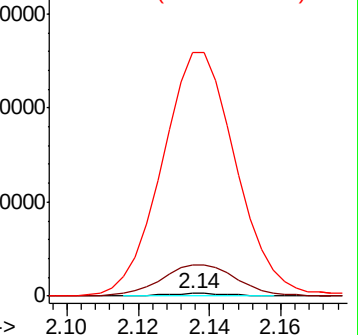
63 9211.4 78.8 146.4#

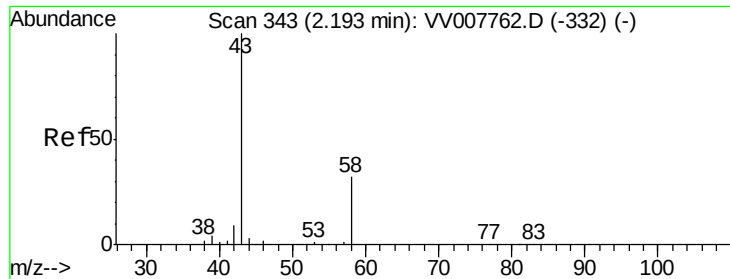


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.945 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

Instrument :

MSVOA_V

ClientSampleId :

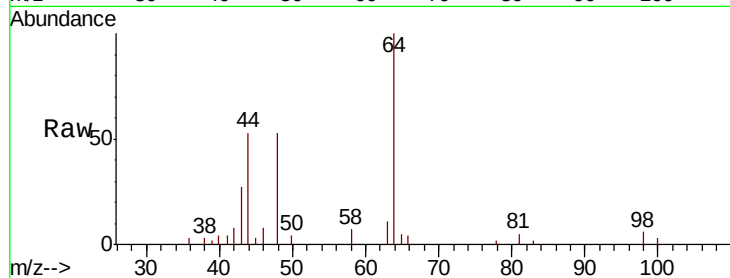
C08S1

Tgt Ion: 43 Resp: 1957

Ion Ratio Lower Upper

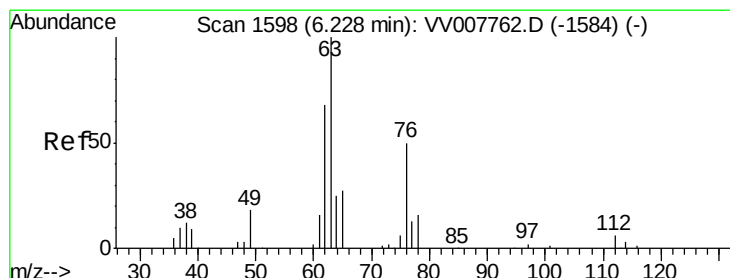
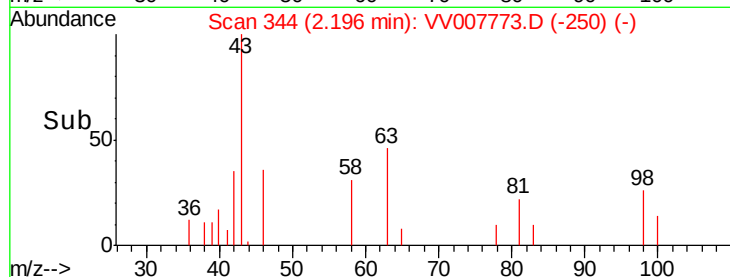
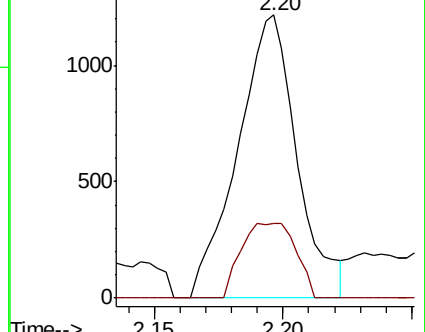
43 100

58 12.3 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV007762.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007762.D (-332) (-)



#37

1,2-Dichloropropane

Concen: 6.220 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007773.D

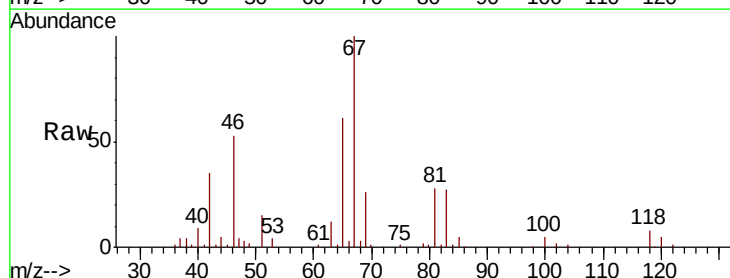
Acq: 23 Sep 2018 07:59

Tgt Ion: 63 Resp: 6432

Ion Ratio Lower Upper

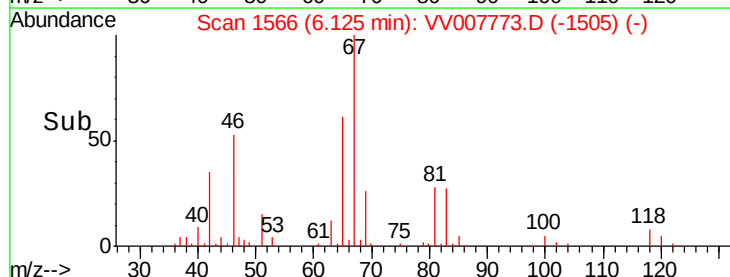
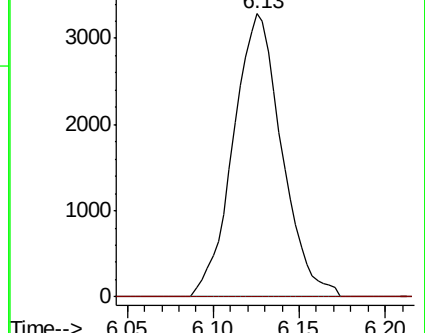
63 100

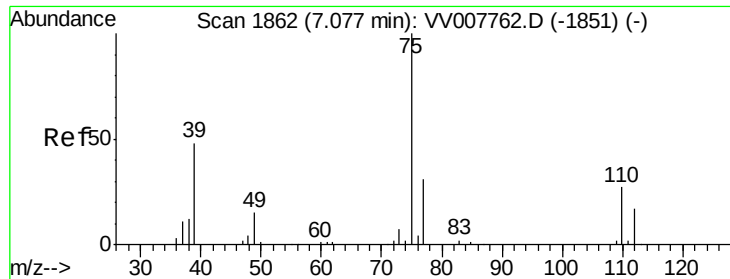
112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV007762.D (-1584) (-)

Ion 112.00 (111.70 to 112.70): VV007762.D (-1584) (-)

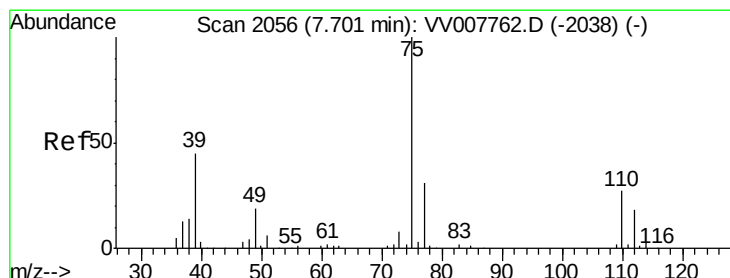
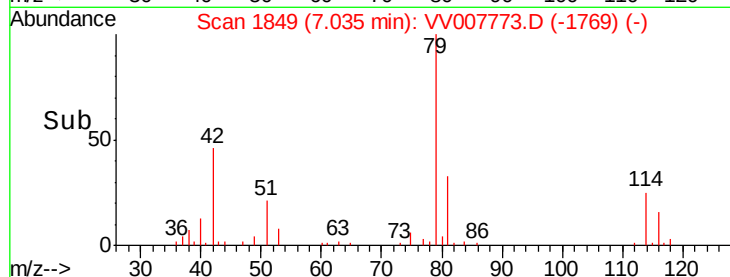
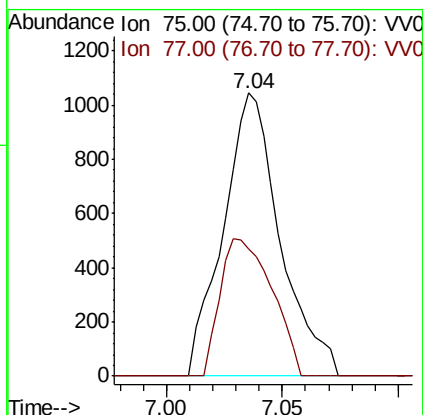
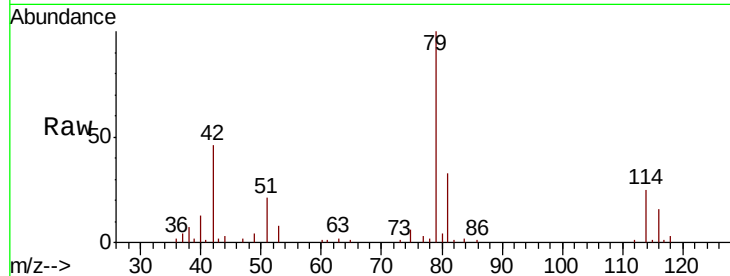




#39
 cis-1,3-Dichloropropene
 Concen: 1.071 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

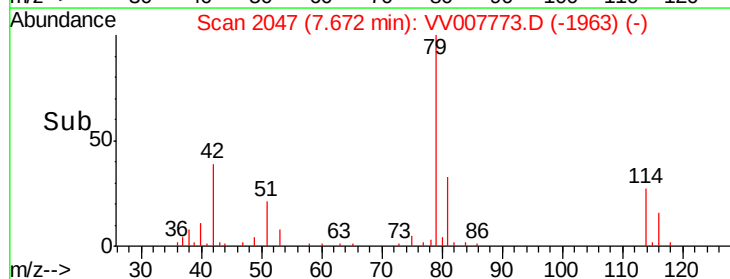
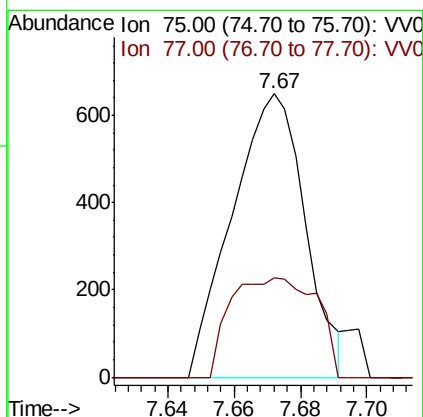
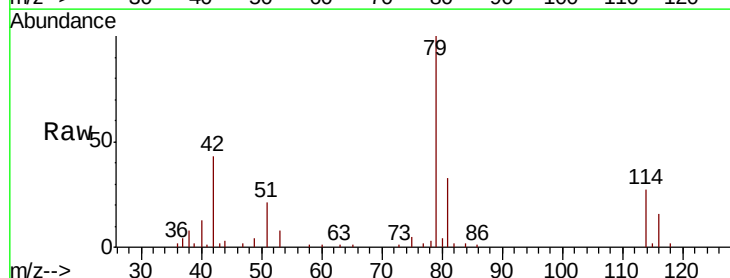
Instrument :
 MSVOA_V
 ClientSampleId :
 C08S1

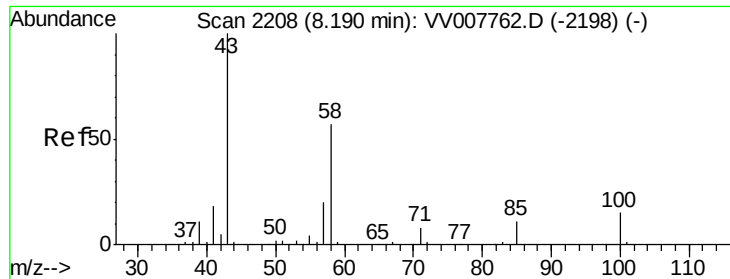
Tgt Ion: 75 Resp: 1781
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.0 40.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.627 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.03 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

Tgt Ion: 75 Resp: 989
 Ion Ratio Lower Upper
 75 100
 77 35.0 22.0 40.8

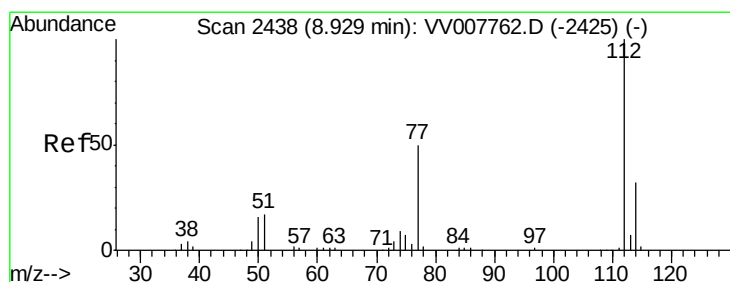
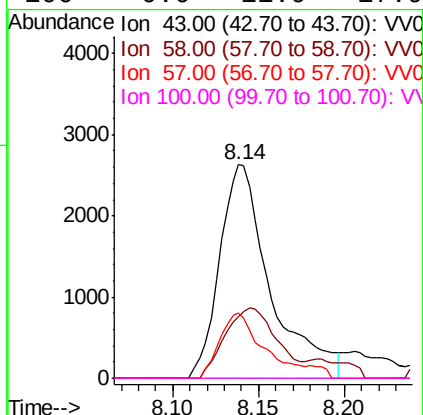
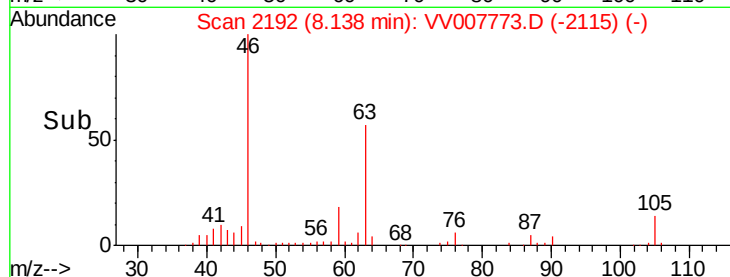
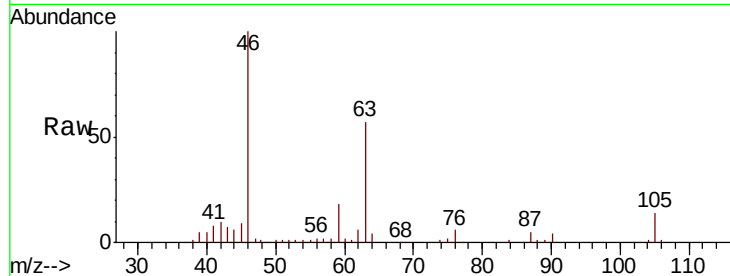




#48
2-Hexanone
Concen: 5.157 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV007773.D
Acq: 23 Sep 2018 07:59

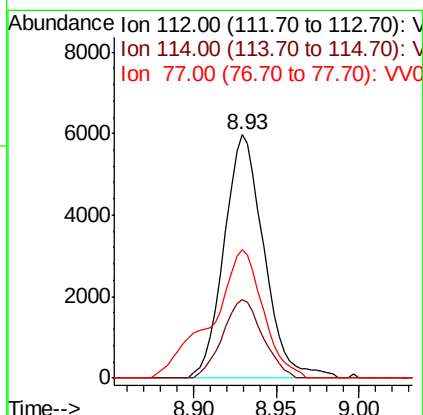
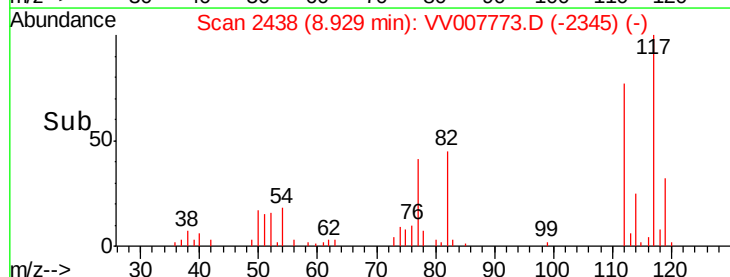
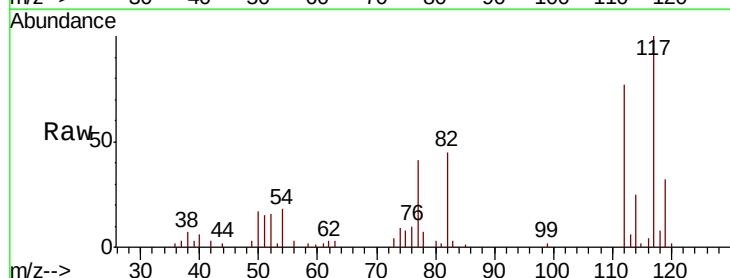
Instrument :
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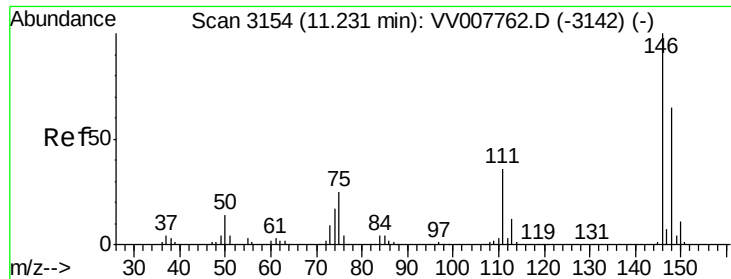
Tgt Ion: 43 Resp: 5432
Ion Ratio Lower Upper
43 100
58 33.8 41.4 62.0#
57 26.3 16.0 24.0#
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 2.847 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007773.D
Acq: 23 Sep 2018 07:59

Tgt Ion: 112 Resp: 9985
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 52.6 40.6 60.8





#62

1,3-Dichlorobenzene

Concen: 1.213 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

Instrument :

MSVOA_V

ClientSampleId :

C08S1

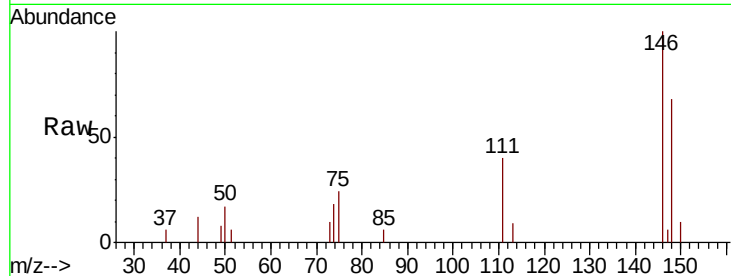
Tgt Ion:146 Resp: 3448

Ion Ratio Lower Upper

146 100

111 39.9 25.1 46.7

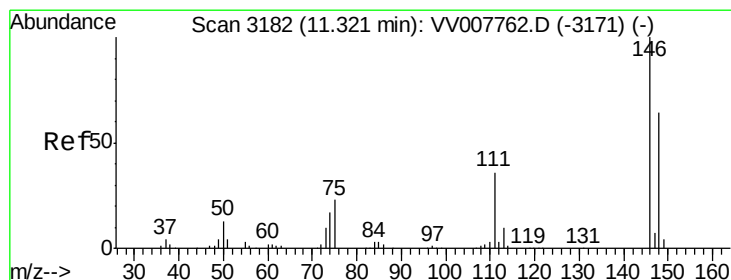
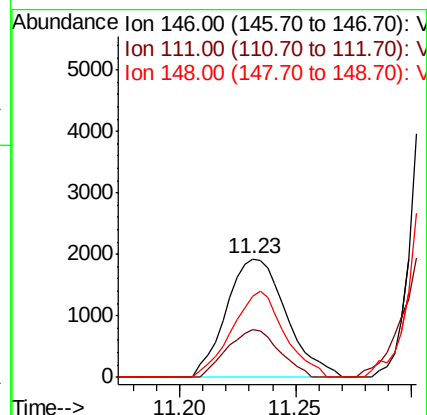
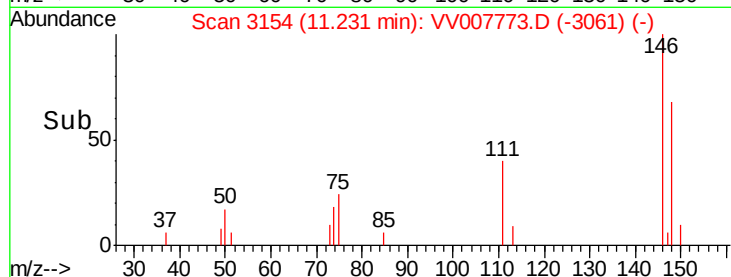
148 67.9 45.1 83.9



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: 19.606 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007773.D

Acq: 23 Sep 2018 07:59

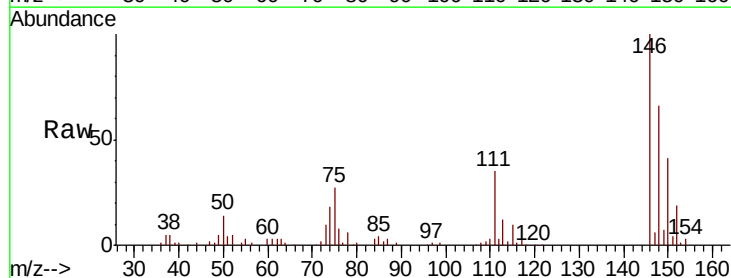
Tgt Ion:146 Resp: 57827

Ion Ratio Lower Upper

146 100

111 35.0 24.4 45.4

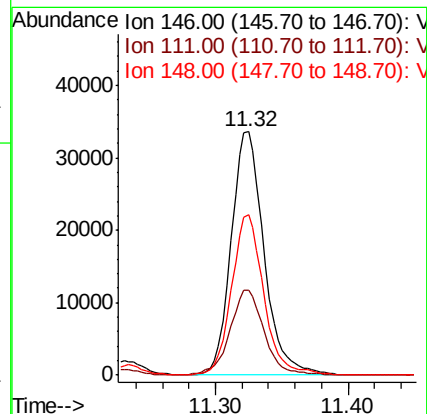
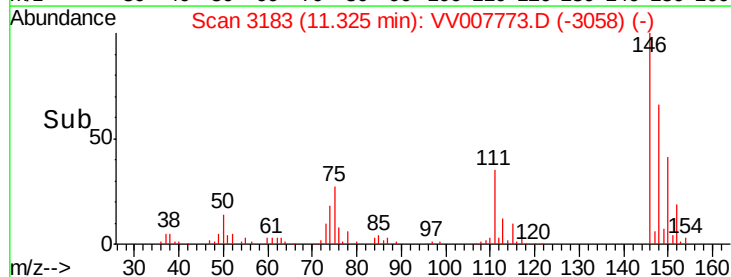
148 66.1 45.1 83.7

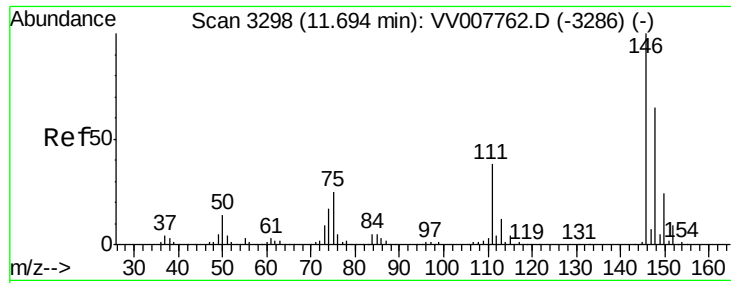


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

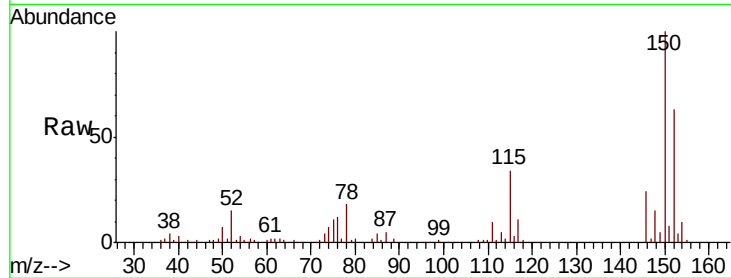




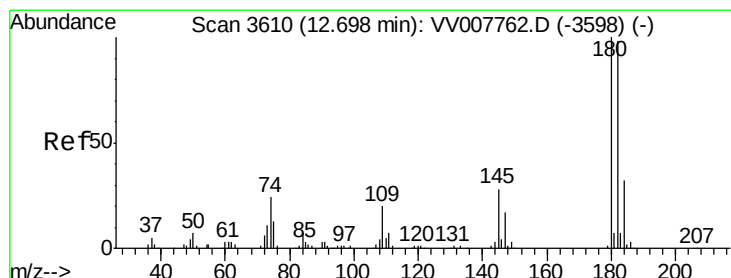
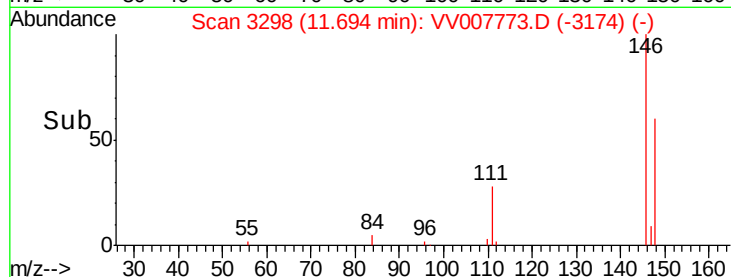
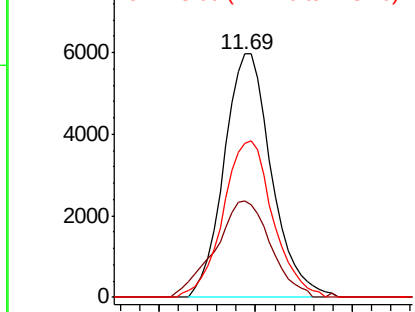
#65
 1,2-Dichlorobenzene
 Concen: 3.539 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

Instrument :
 MSVOA_V
 ClientSampleId :
 C08S1

Tgt Ion:146 Resp: 10176
 Ion Ratio Lower Upper
 146 100
 111 39.6 29.8 44.8
 148 63.3 50.8 76.2

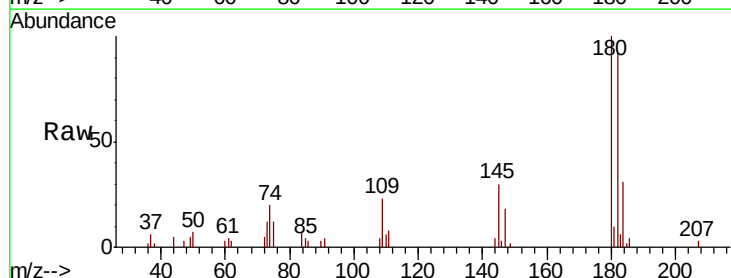


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

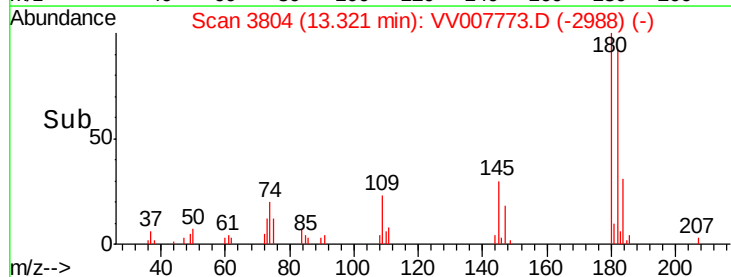
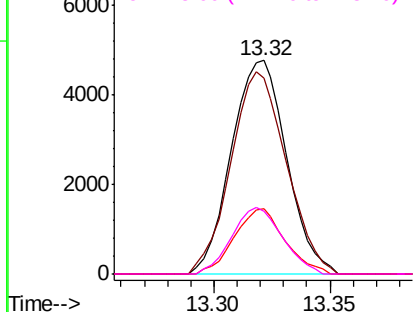


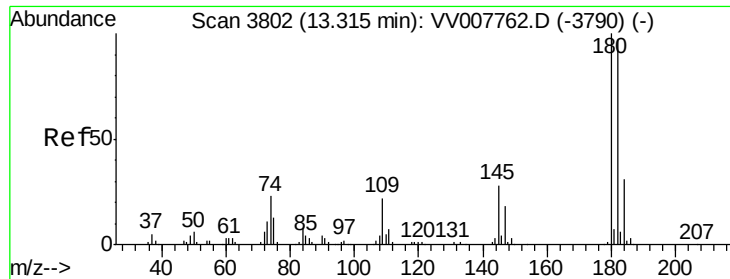
#67
 1,3,5-Trichlorobenzene
 Concen: 3.307 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.62 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

Tgt Ion:180 Resp: 7898
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.6 116.4
 184 27.9 24.7 37.1
 145 28.6 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

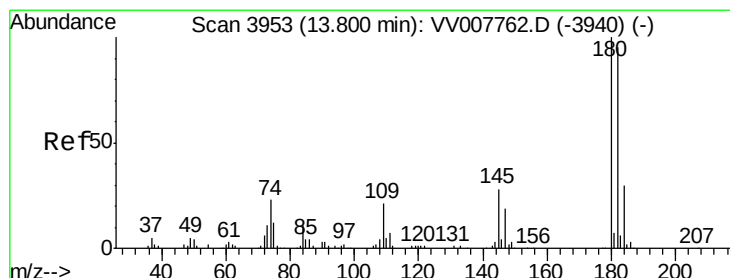
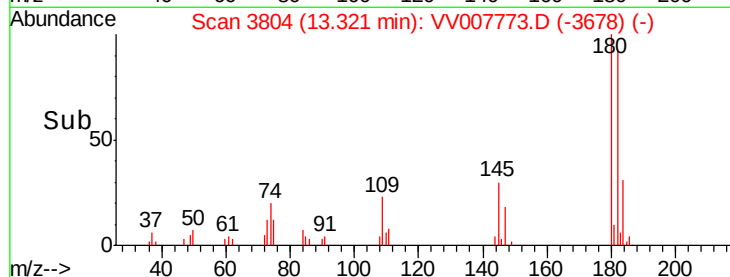
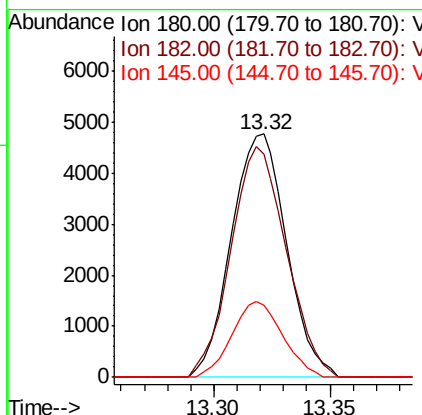
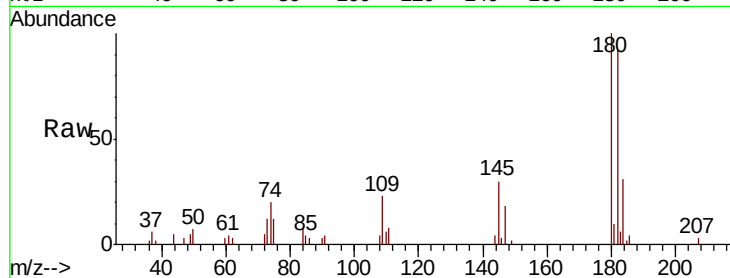




#68
 1,2,4-trichlorobenzene
 Concen: 3.685 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

Instrument :
 MSVOA_V
 ClientSampleId :
 C08S1

Tgt Ion:180 Resp: 7898
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.0 115.6
 145 28.6 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 1.258 ug/L
 RT: 13.80 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VV007773.D
 Acq: 23 Sep 2018 07:59

Tgt Ion:180 Resp: 2725
 Ion Ratio Lower Upper
 180 100
 182 99.7 77.4 116.2
 145 27.1 23.3 34.9

