

Data File : VV009760.D
Acq On : 18 Mar 2019 15:47
Operator : SY/MD
Sample : K1918-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09A5

Quant Time: Mar 19 04:33:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140561	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	143628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	76030	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43361	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.50%
7) Chloroethane-d5	1.56	69	35008	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.14%
11) 1,1-Dichloroethene-d2	2.12	63	73096	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.44%
21) 2-Butanone-d5	3.93	46	56592	100.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.25%
24) Chloroform-d	4.40	84	80267	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	51481	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
32) Benzene-d6	5.10	84	173490	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	6.12	67	52024	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.06%
41) Toluene-d8	7.36	98	169398	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	7.66	79	23422	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
47) 2-Hexanone-d5	8.13	63	44551	95.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.79%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	78462	45.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.52%
64) 1,2-Dichlorobenzene-d4	11.68	152	71437	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

						Qvalue
8) Chloroethane	1.27	64	47340	74.635	ug/L #	48
9) Trichlorofluoromethane	2.12	101	828	0.474	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	851	0.880	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	606	0.723	ug/L #	1
13) Acetone	2.19	43	2914	5.450	ug/L	86
33) Benzene	5.15	78	30707	7.833	ug/L	100
37) 1,2-Dichloropropane	6.12	63	5875	5.877	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1822	1.193	ug/L #	74
44) trans-1,3-Dichloropropene	7.66	75	521	0.360	ug/L	88
51) Chlorobenzene	8.93	112	940578	320.662	ug/L	99
59) 1,2,3-Trichloropropane	11.23	75	408225	310.359	ug/L #	43
62) 1,3-Dichlorobenzene	11.23	146	1338697	536.700	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	3013894	1197.699	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	1184477	465.399	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.44	75	20181	57.087	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	21706	13.683	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	3140688	2824.816	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031819\
Quantitation Report (Not Reviewed)

Data File : VV009760.D
Acq On : 18 Mar 2019 15:47
Operator : SY/MD
Sample : K1918-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09A5

Quant Time: Mar 19 04:33:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.79	180	266099	238.739	ug/L	97

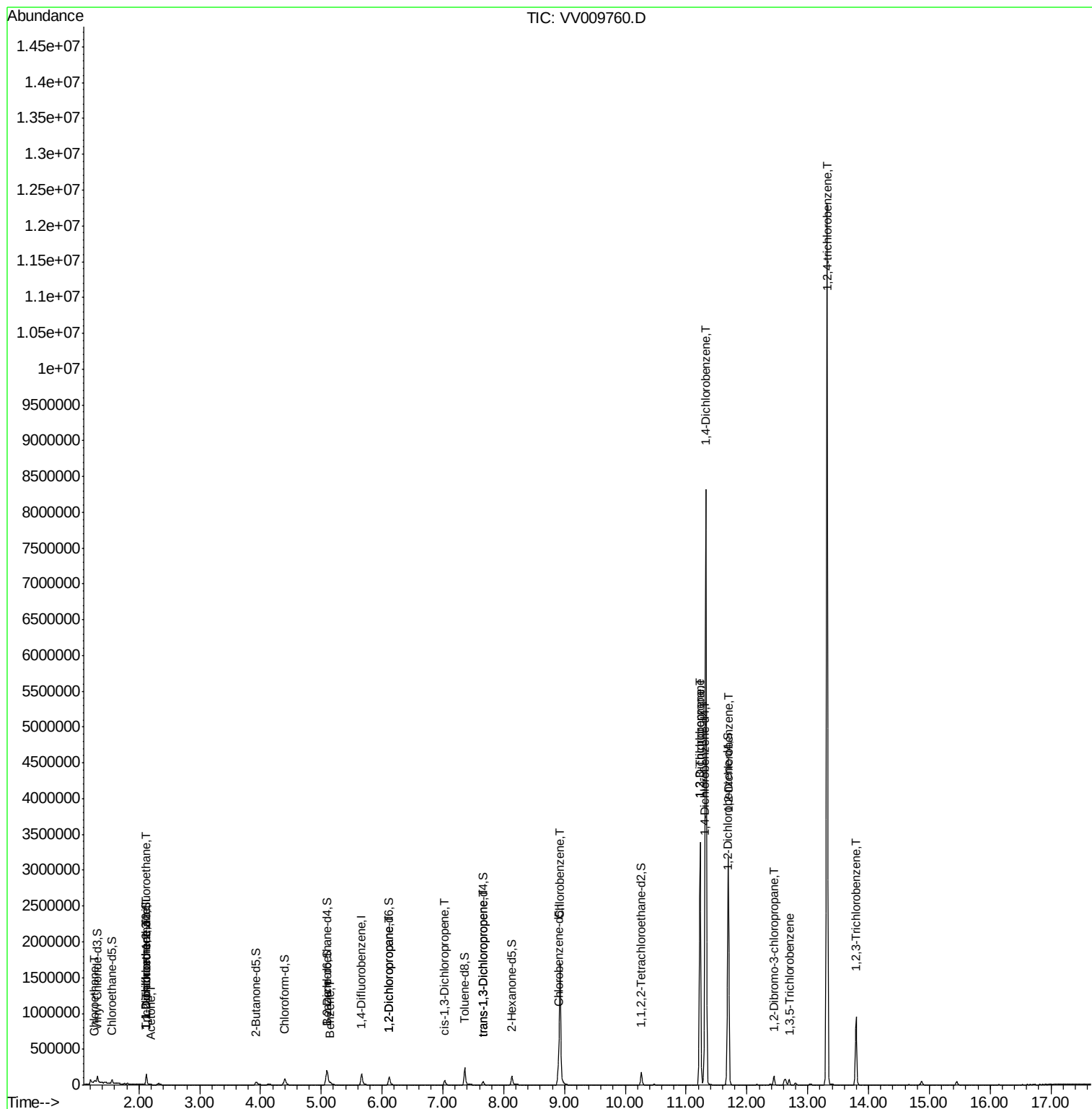
(#) = qualifier out of range (m) = manual integration (+) = signals summed

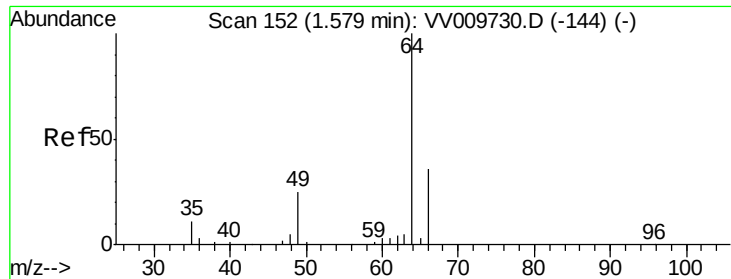
Data File : VV009760.D

Acq On : 18 Mar 2019 15:47
Operator : SY/MD
Sample : K1918-21
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09A5

Quant Time: Mar 19 04:33:46 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 74.635 ug/L

RT: 1.27 min Scan# 56

Delta R.T. -0.31 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

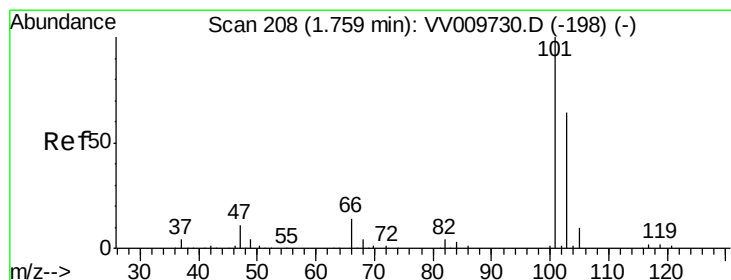
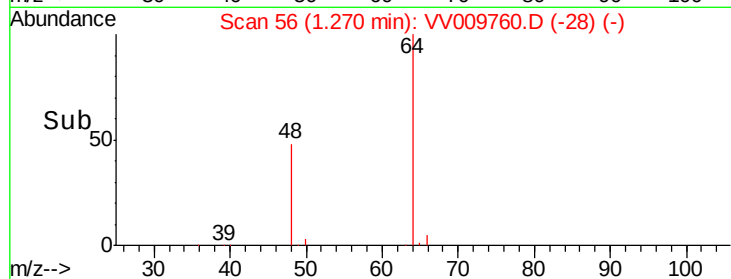
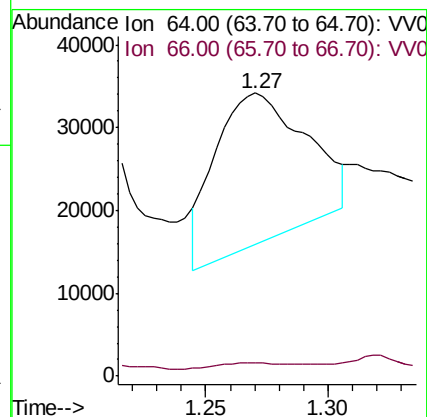
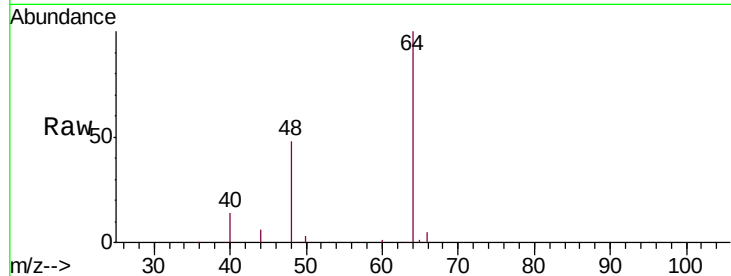
C09A5

Tgt Ion: 64 Resp: 47340

Ion Ratio Lower Upper

64 100

66 4.7 24.5 45.5#



#9

Trichlorofluoromethane

Concen: 0.474 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.37 min

Lab File: VV009760.D

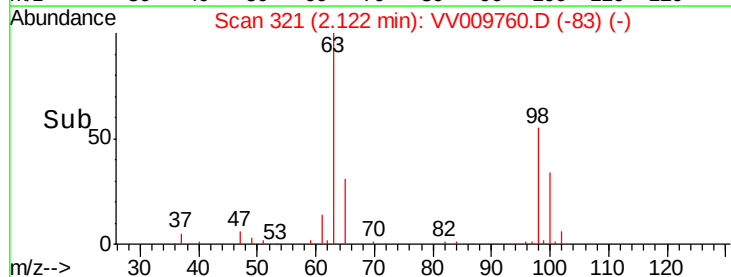
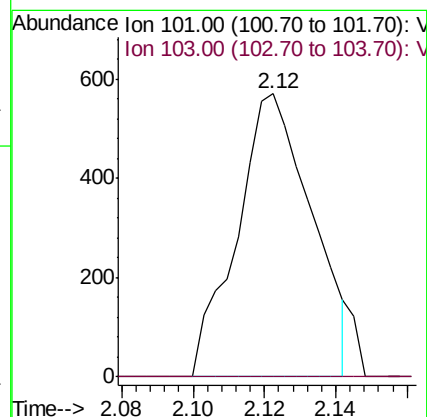
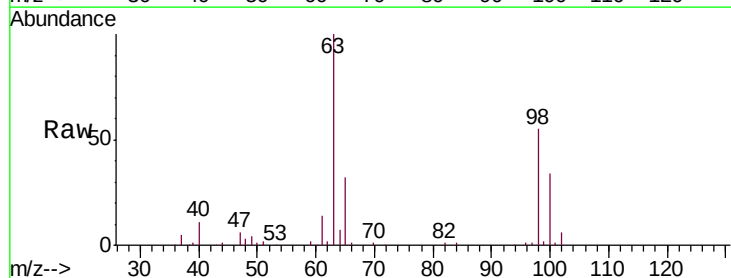
Acq: 18 Mar 2019 15:47

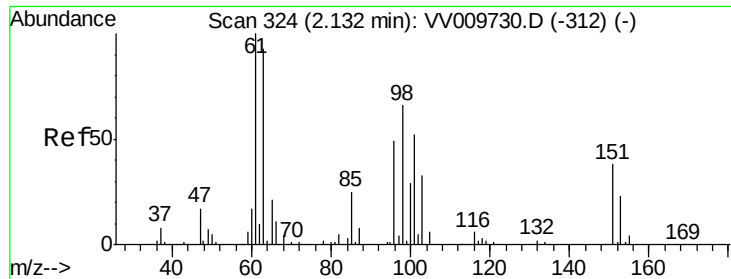
Tgt Ion: 101 Resp: 828

Ion Ratio Lower Upper

101 100

103 0.0 52.3 78.5#





#10

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

Concen: 0.880 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

C09A5

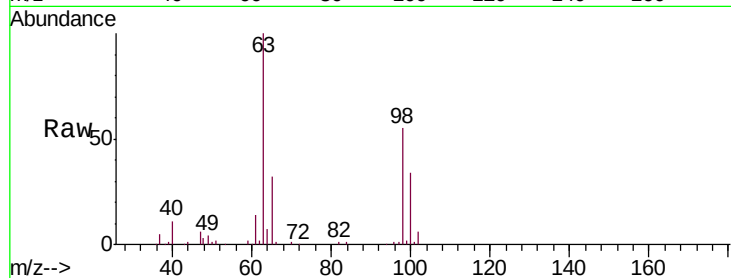
Tgt Ion: 101 Resp: 851

Ion Ratio Lower Upper

101 100

85 4.8 38.5 57.7#

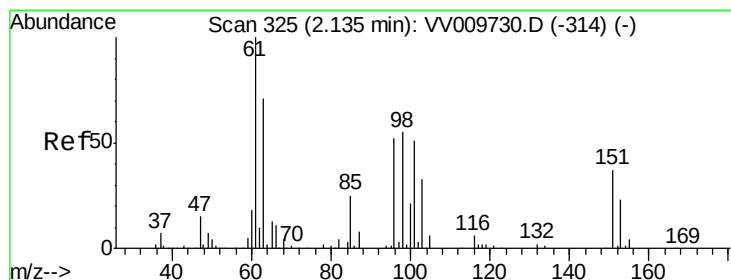
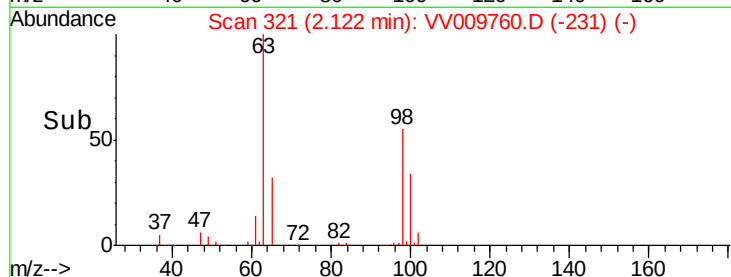
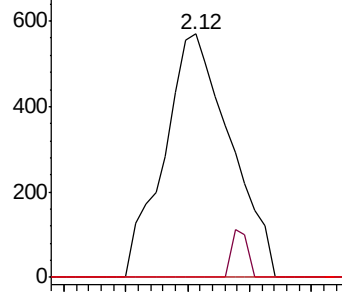
151 0.0 58.9 88.3#



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: 0.723 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

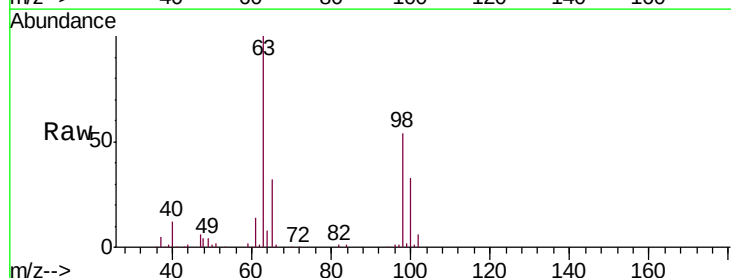
Tgt Ion: 96 Resp: 606

Ion Ratio Lower Upper

96 100

61 1577.1 135.5 251.7#

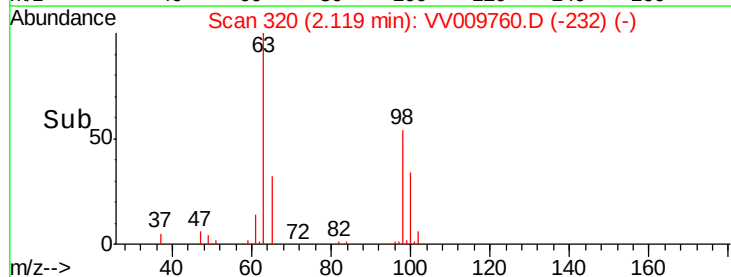
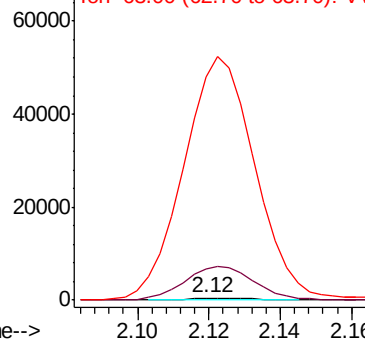
63 11103.9 100.2 186.2#

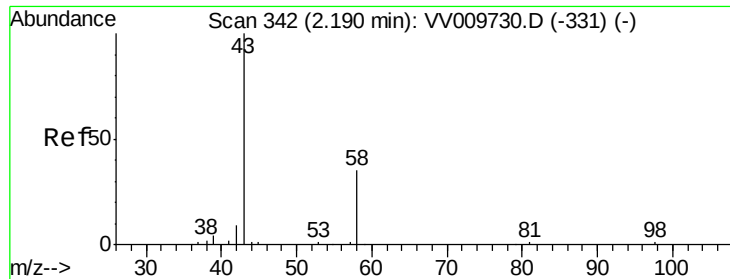


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.450 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

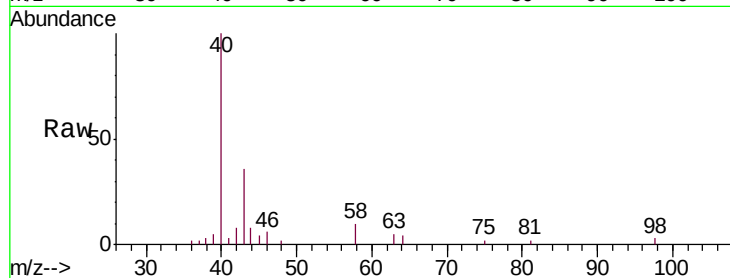
C09A5

Tgt Ion: 43 Resp: 2914

Ion Ratio Lower Upper

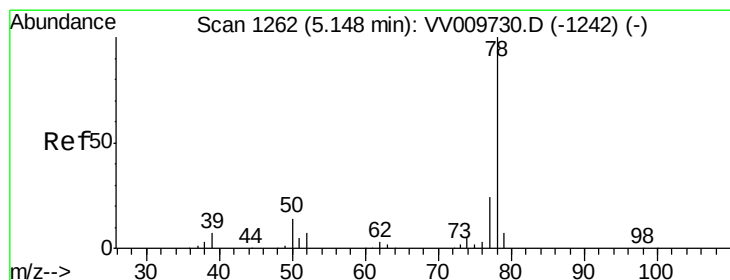
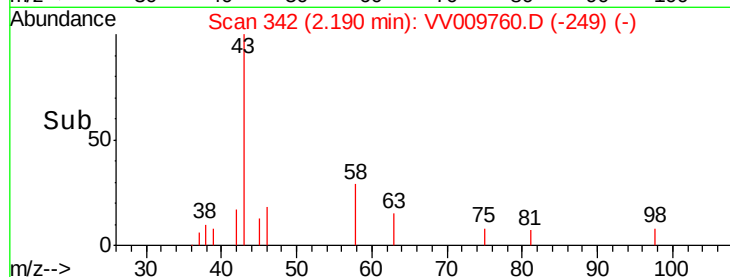
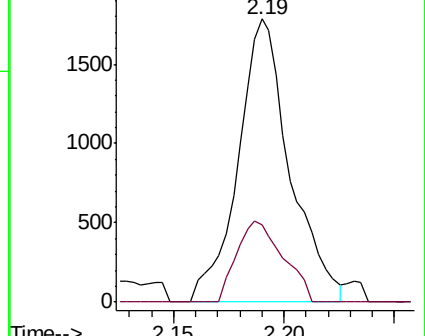
43 100

58 25.6 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009730.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009730.D (-331) (-)



#33

Benzene

Concen: 7.833 ug/L

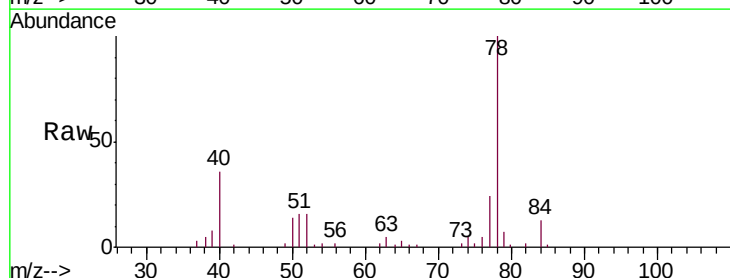
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009760.D

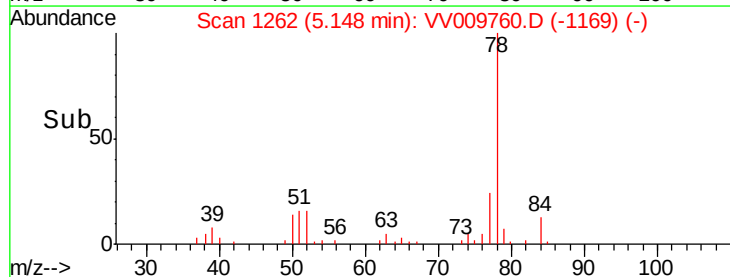
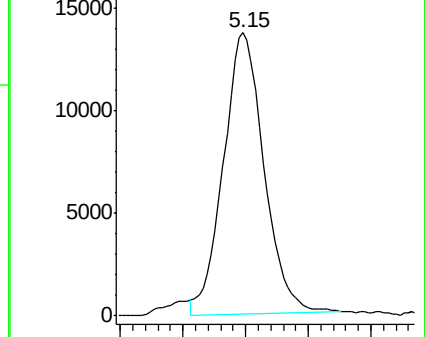
Acq: 18 Mar 2019 15:47

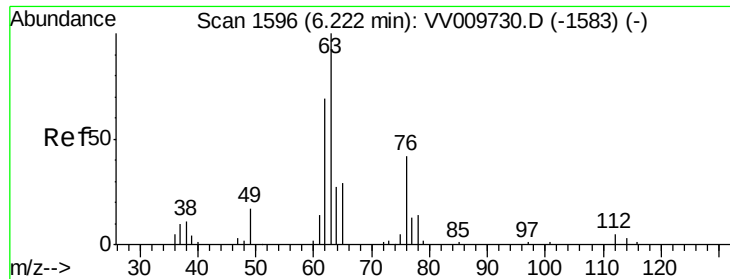
Tgt Ion: 78 Resp: 30707



Abundance Ion 78.00 (77.70 to 78.70): VV009730.D (-1242) (-)

Ion 78.00 (77.70 to 78.70): VV009730.D (-1242) (-)

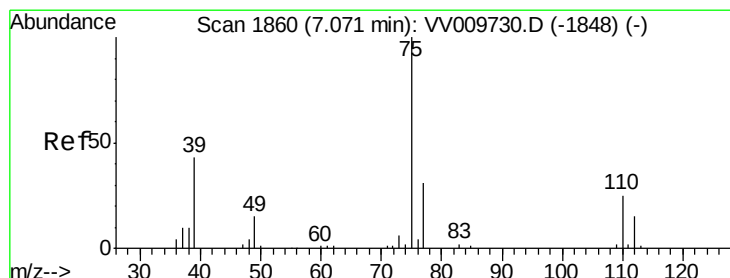
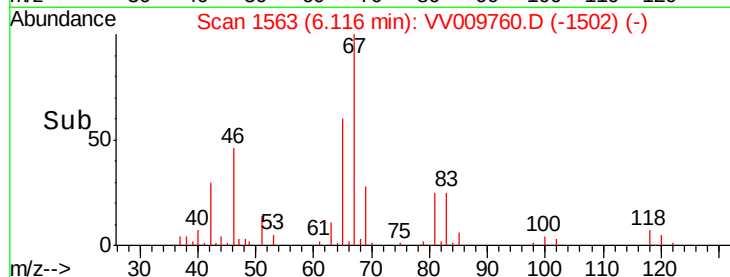
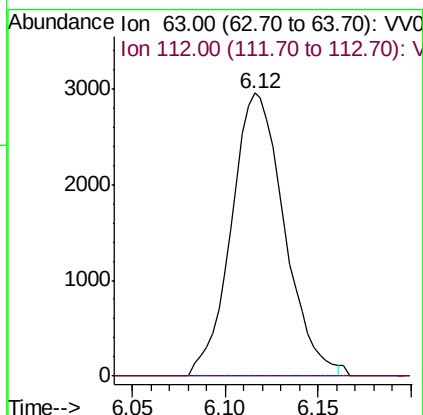
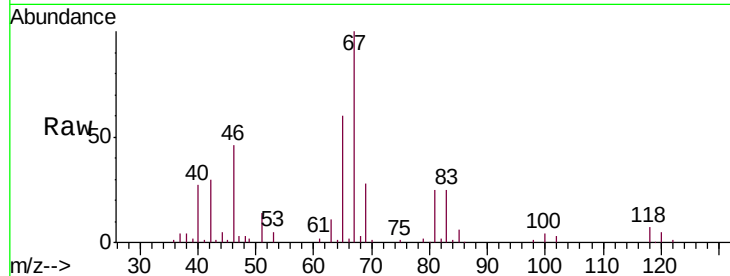




#37
 1,2-Dichloropropane
 Concen: 5.877 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

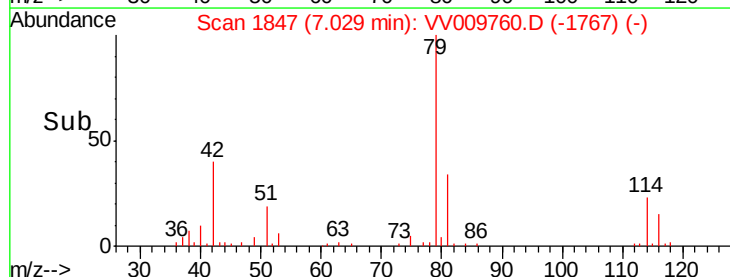
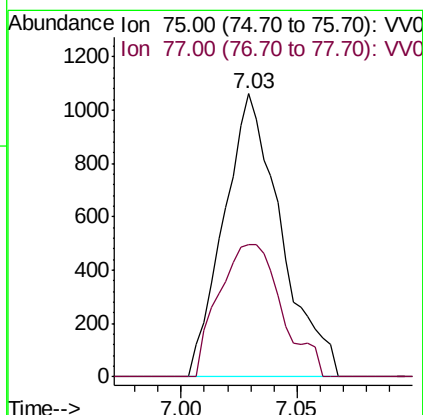
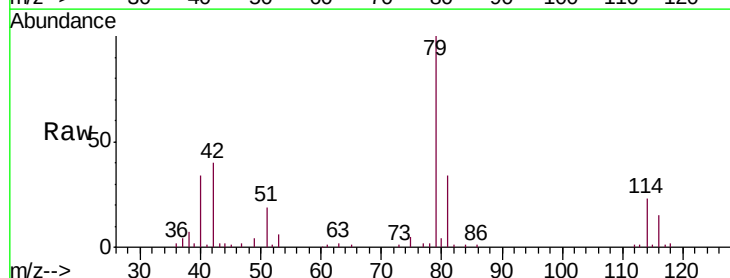
Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

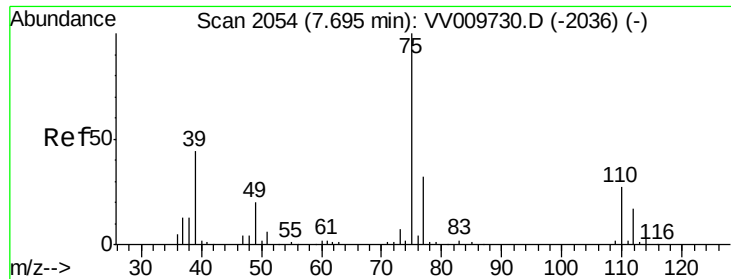
Tgt Ion: 63 Resp: 5875
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 1.193 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Tgt Ion: 75 Resp: 1822
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.4 41.6#





#44

trans-1,3-Dichloropropene

Concen: 0.360 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.04 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampled :

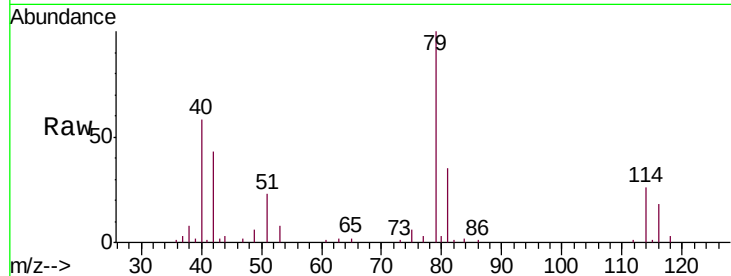
C09A5

Tgt Ion: 75 Resp: 521

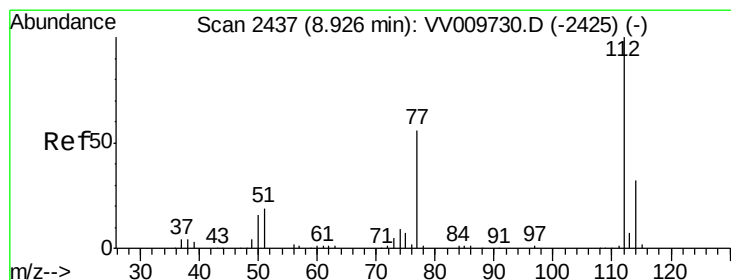
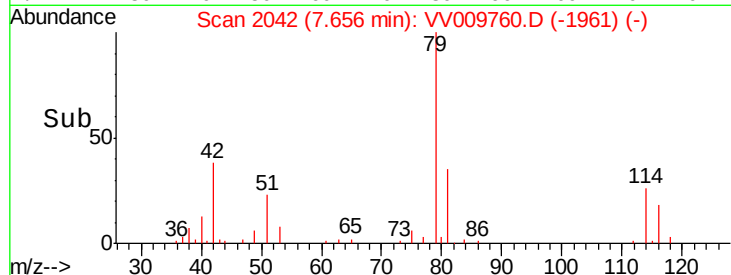
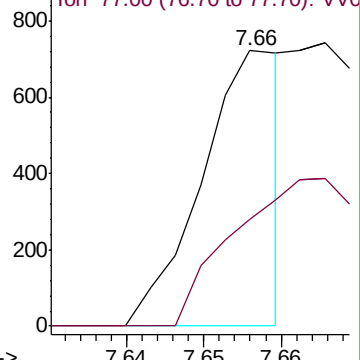
Ion Ratio Lower Upper

75 100

77 38.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009760.D (-1961) (-)



#51

Chlorobenzene

Concen: 320.662 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

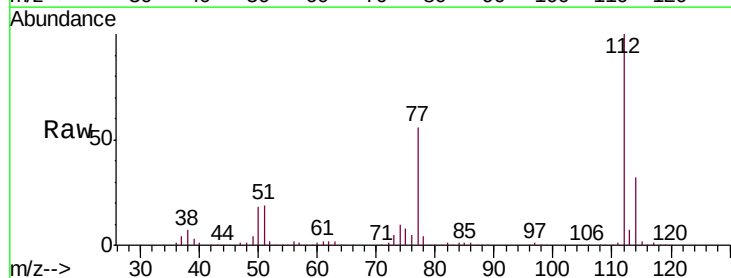
Tgt Ion: 112 Resp: 940578

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 55.6 45.4 68.2



Abundance Ion 112.00 (111.70 to 112.70): VV009760.D (-2344) (-)

Ion 114.00 (113.70 to 114.70): VV009760.D (-2344) (-)

Ion 77.00 (76.70 to 77.70): VV009760.D (-2344) (-)

Ion 75.00 (74.70 to 75.70): VV009760.D (-2344) (-)

Ion 73.00 (72.70 to 73.70): VV009760.D (-2344) (-)

Ion 71.00 (70.70 to 71.70): VV009760.D (-2344) (-)

Ion 69.00 (68.70 to 69.70): VV009760.D (-2344) (-)

Ion 67.00 (66.70 to 67.70): VV009760.D (-2344) (-)

Ion 65.00 (64.70 to 65.70): VV009760.D (-2344) (-)

Ion 63.00 (62.70 to 63.70): VV009760.D (-2344) (-)

Ion 61.00 (60.70 to 61.70): VV009760.D (-2344) (-)

Ion 59.00 (58.70 to 59.70): VV009760.D (-2344) (-)

Ion 57.00 (56.70 to 57.70): VV009760.D (-2344) (-)

Ion 55.00 (54.70 to 55.70): VV009760.D (-2344) (-)

Ion 53.00 (52.70 to 53.70): VV009760.D (-2344) (-)

Ion 51.00 (50.70 to 51.70): VV009760.D (-2344) (-)

Ion 49.00 (48.70 to 49.70): VV009760.D (-2344) (-)

Ion 47.00 (46.70 to 47.70): VV009760.D (-2344) (-)

Ion 45.00 (44.70 to 45.70): VV009760.D (-2344) (-)

Ion 43.00 (42.70 to 43.70): VV009760.D (-2344) (-)

Ion 41.00 (40.70 to 41.70): VV009760.D (-2344) (-)

Ion 39.00 (38.70 to 39.70): VV009760.D (-2344) (-)

Ion 37.00 (36.70 to 37.70): VV009760.D (-2344) (-)

Ion 35.00 (34.70 to 35.70): VV009760.D (-2344) (-)

Ion 33.00 (32.70 to 33.70): VV009760.D (-2344) (-)

Ion 31.00 (30.70 to 31.70): VV009760.D (-2344) (-)

Ion 29.00 (28.70 to 29.70): VV009760.D (-2344) (-)

Ion 27.00 (26.70 to 27.70): VV009760.D (-2344) (-)

Ion 25.00 (24.70 to 25.70): VV009760.D (-2344) (-)

Ion 23.00 (22.70 to 23.70): VV009760.D (-2344) (-)

Ion 21.00 (20.70 to 21.70): VV009760.D (-2344) (-)

Ion 19.00 (18.70 to 19.70): VV009760.D (-2344) (-)

Ion 17.00 (16.70 to 17.70): VV009760.D (-2344) (-)

Ion 15.00 (14.70 to 15.70): VV009760.D (-2344) (-)

Ion 13.00 (12.70 to 13.70): VV009760.D (-2344) (-)

Ion 11.00 (10.70 to 11.70): VV009760.D (-2344) (-)

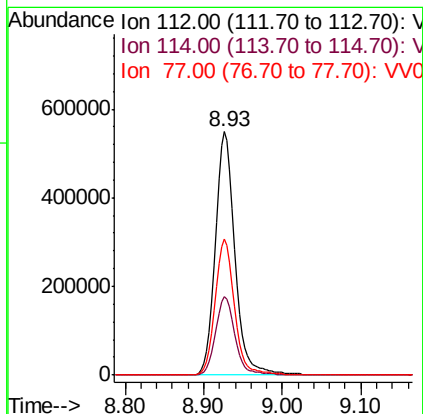
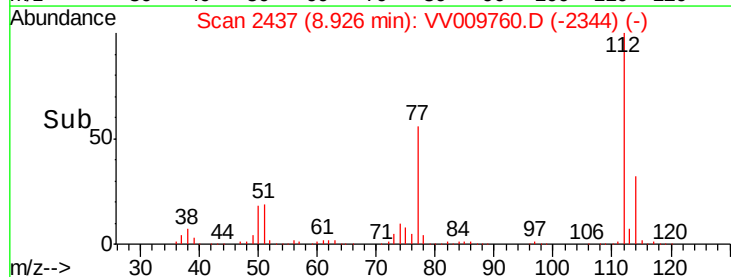
Ion 9.00 (8.70 to 9.70): VV009760.D (-2344) (-)

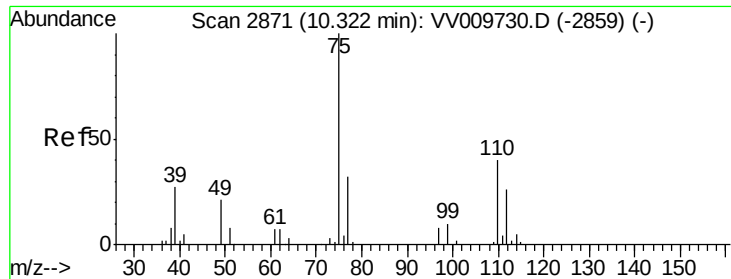
Ion 7.00 (6.70 to 7.70): VV009760.D (-2344) (-)

Ion 5.00 (4.70 to 5.70): VV009760.D (-2344) (-)

Ion 3.00 (2.70 to 3.70): VV009760.D (-2344) (-)

Ion 1.00 (0.70 to 1.70): VV009760.D (-2344) (-)

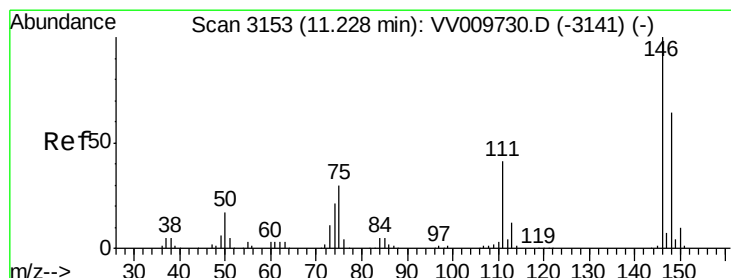
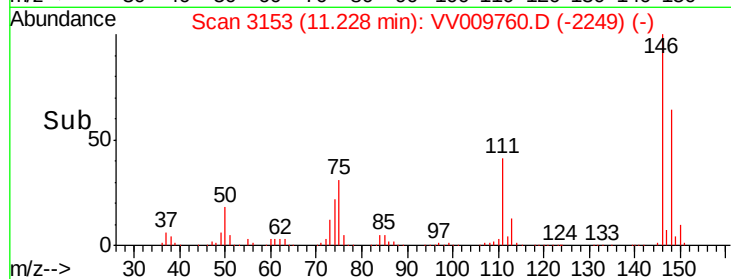
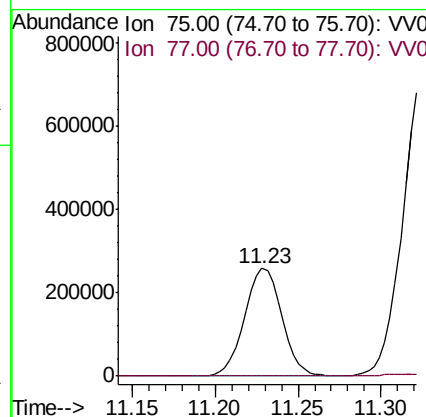
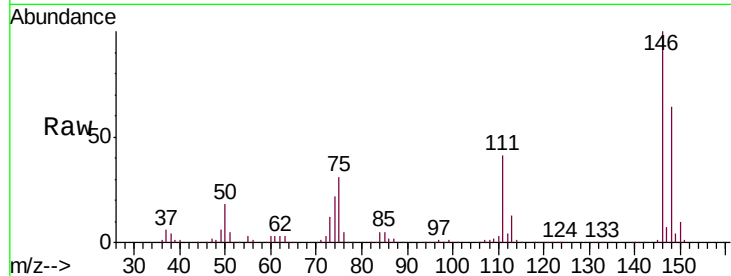




#59
 1,2,3-Trichloropropane
 Concen: 310.359 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.91 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

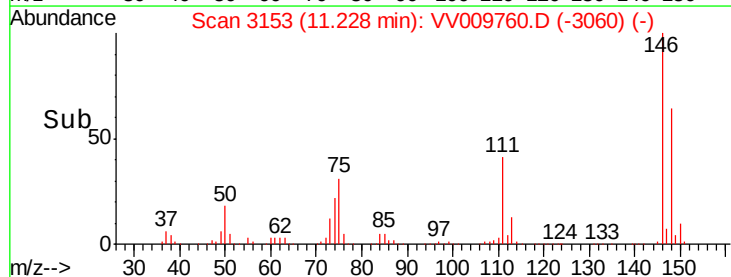
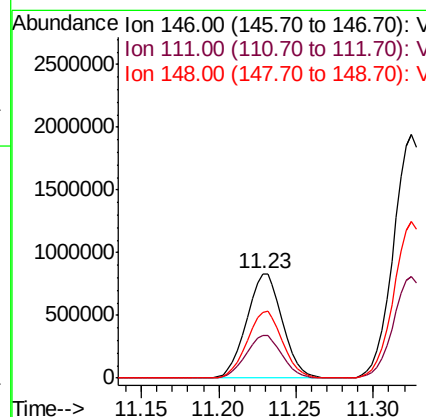
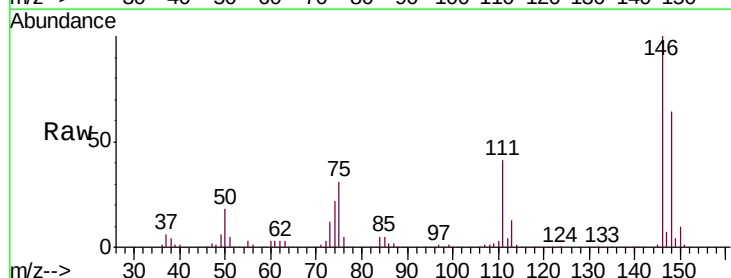
Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

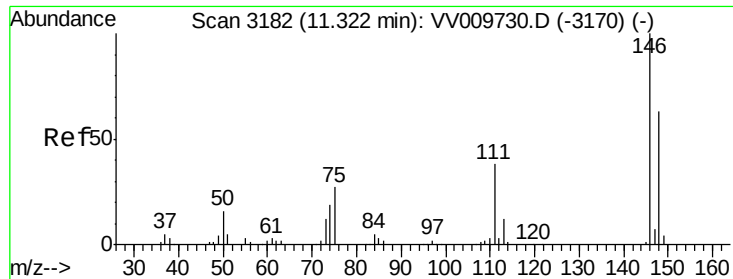
Tgt Ion: 75 Resp: 408225
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.2 39.4#



#62
 1,3-Dichlorobenzene
 Concen: 536.700 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Tgt Ion: 146 Resp: 1338697
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.8 53.4
 148 63.6 44.8 83.2





#63

1,4-Dichlorobenzene

Concen: 1197.699 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

C09A5

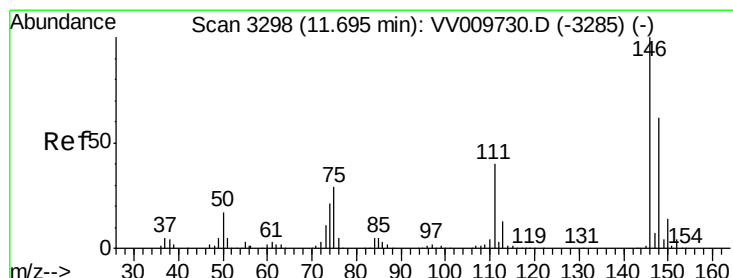
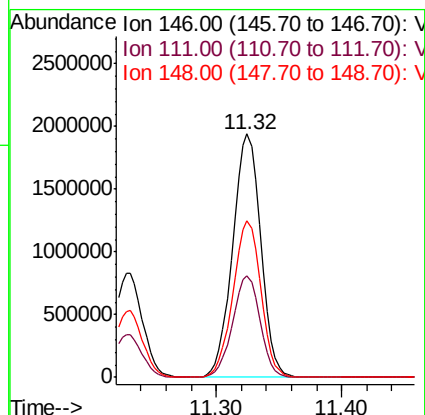
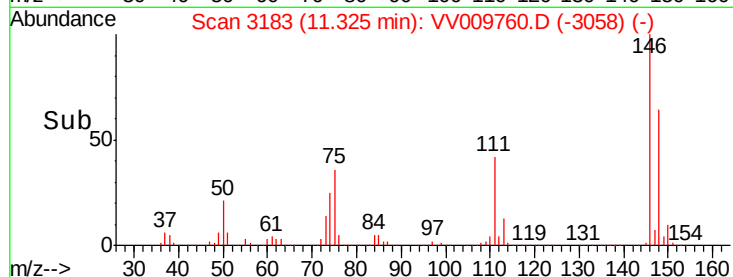
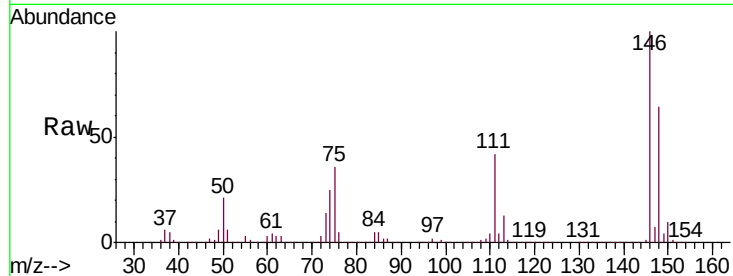
Tgt Ion:146 Resp: 3013894

Ion Ratio Lower Upper

146 100

111 41.7 26.7 49.5

148 64.1 44.3 82.3



#65

1,2-Dichlorobenzene

Concen: 465.399 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV009760.D

Acq: 18 Mar 2019 15:47

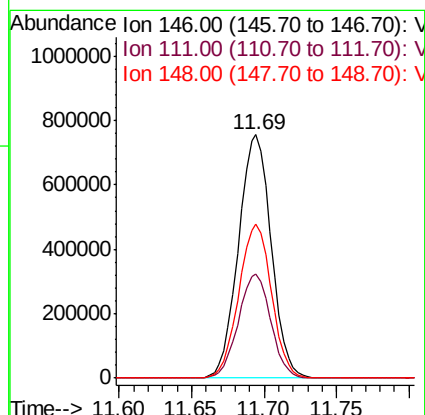
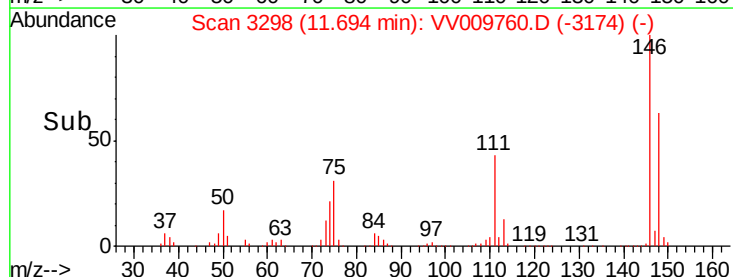
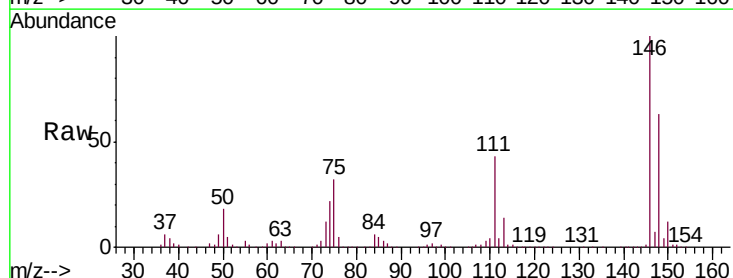
Tgt Ion:146 Resp: 1184477

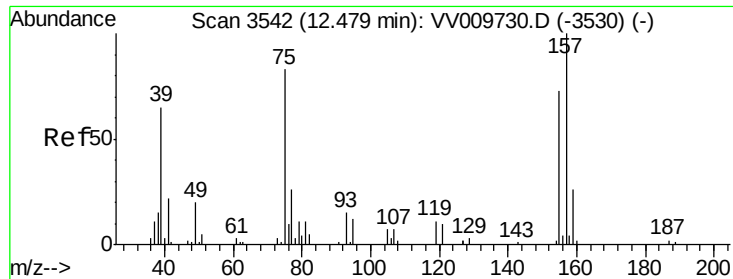
Ion Ratio Lower Upper

146 100

111 42.7 32.2 48.4

148 63.1 49.6 74.4

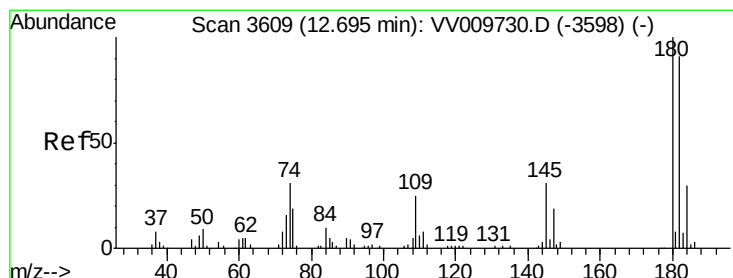
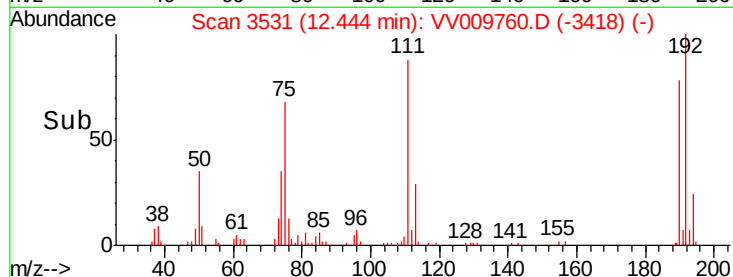
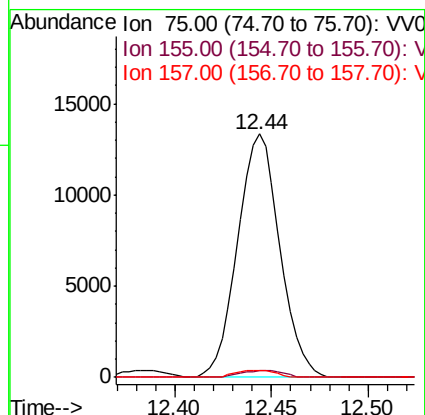
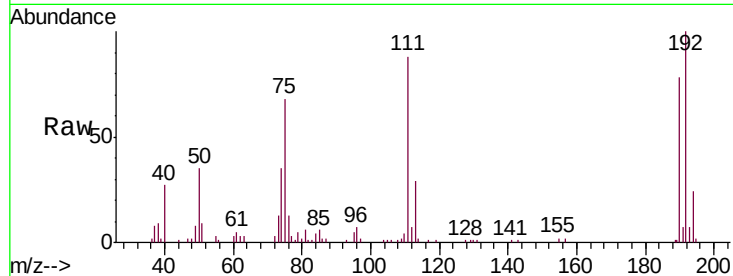




#66
 1,2-Dibromo-3-chloropropane
 Concen: 57.087 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. -0.04 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

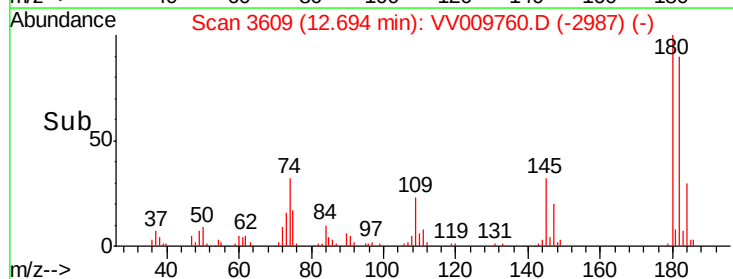
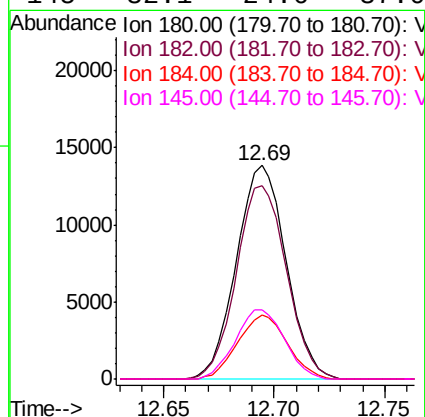
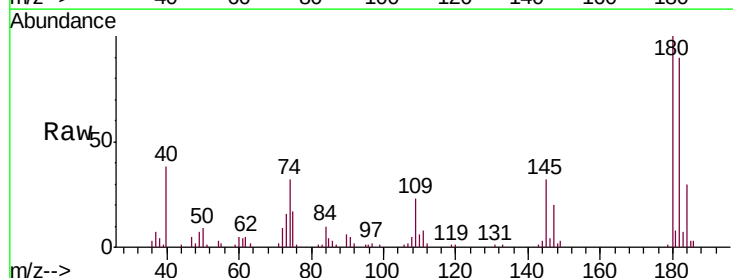
Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

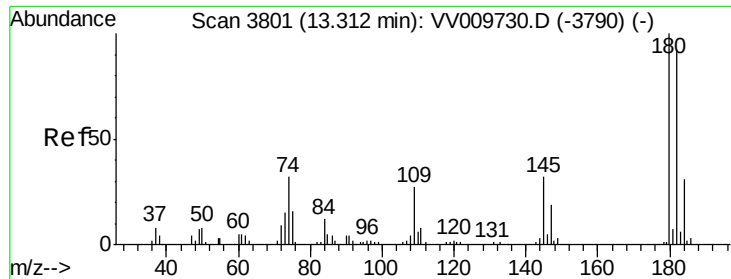
Tgt Ion: 75 Resp: 20181
 Ion Ratio Lower Upper
 75 100
 155 2.7 70.3 105.5#
 157 2.8 96.8 145.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 13.683 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Tgt Ion: 180 Resp: 21706
 Ion Ratio Lower Upper
 180 100
 182 91.6 73.9 110.9
 184 29.9 23.4 35.2
 145 32.1 24.6 37.0

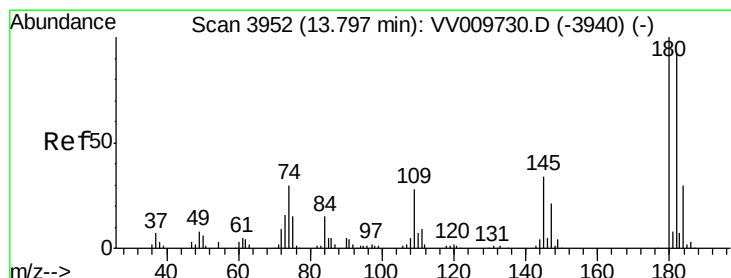
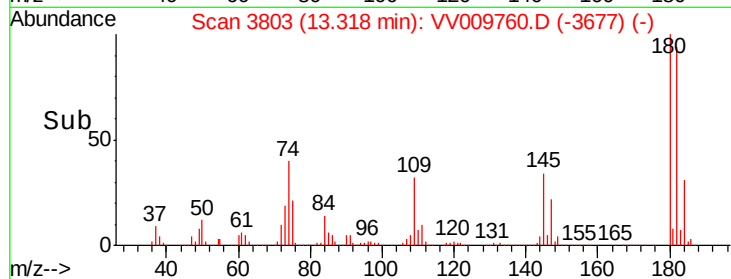
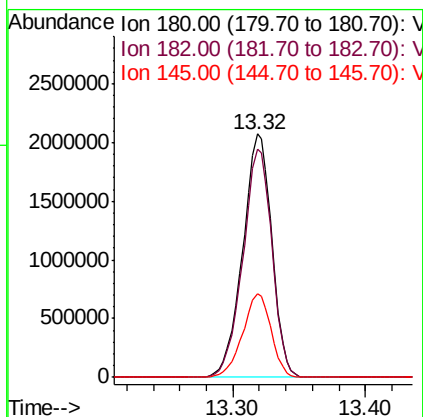
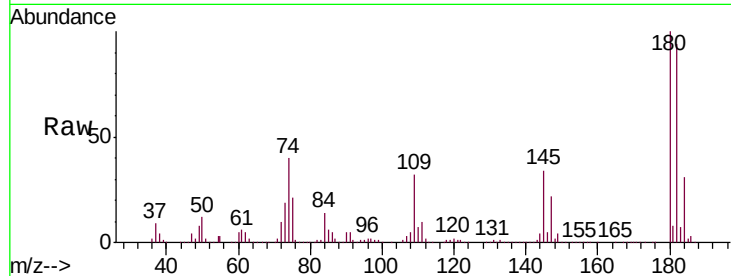




#68
 1,2,4-trichlorobenzene
 Concen: 2824.816 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Instrument :
 MSVOA_V
 ClientSampleId :
 C09A5

Tgt Ion:180 Resp: 3140688
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 145 33.7 25.3 37.9



#70
 1,2,3-Trichlorobenzene
 Concen: 238.739 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VV009760.D
 Acq: 18 Mar 2019 15:47

Tgt Ion:180 Resp: 266099
 Ion Ratio Lower Upper
 180 100
 182 94.6 73.3 109.9
 145 34.2 26.4 39.6

