

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060419\
 Data File : VX010061.D
 Acq On : 04 Jun 2019 16:28
 Operator : JC/SP
 Sample : K3185-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 07:20:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	179885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117760	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
35) Dibromofluoromethane	5.49	113	88401	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	365212	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	127903	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

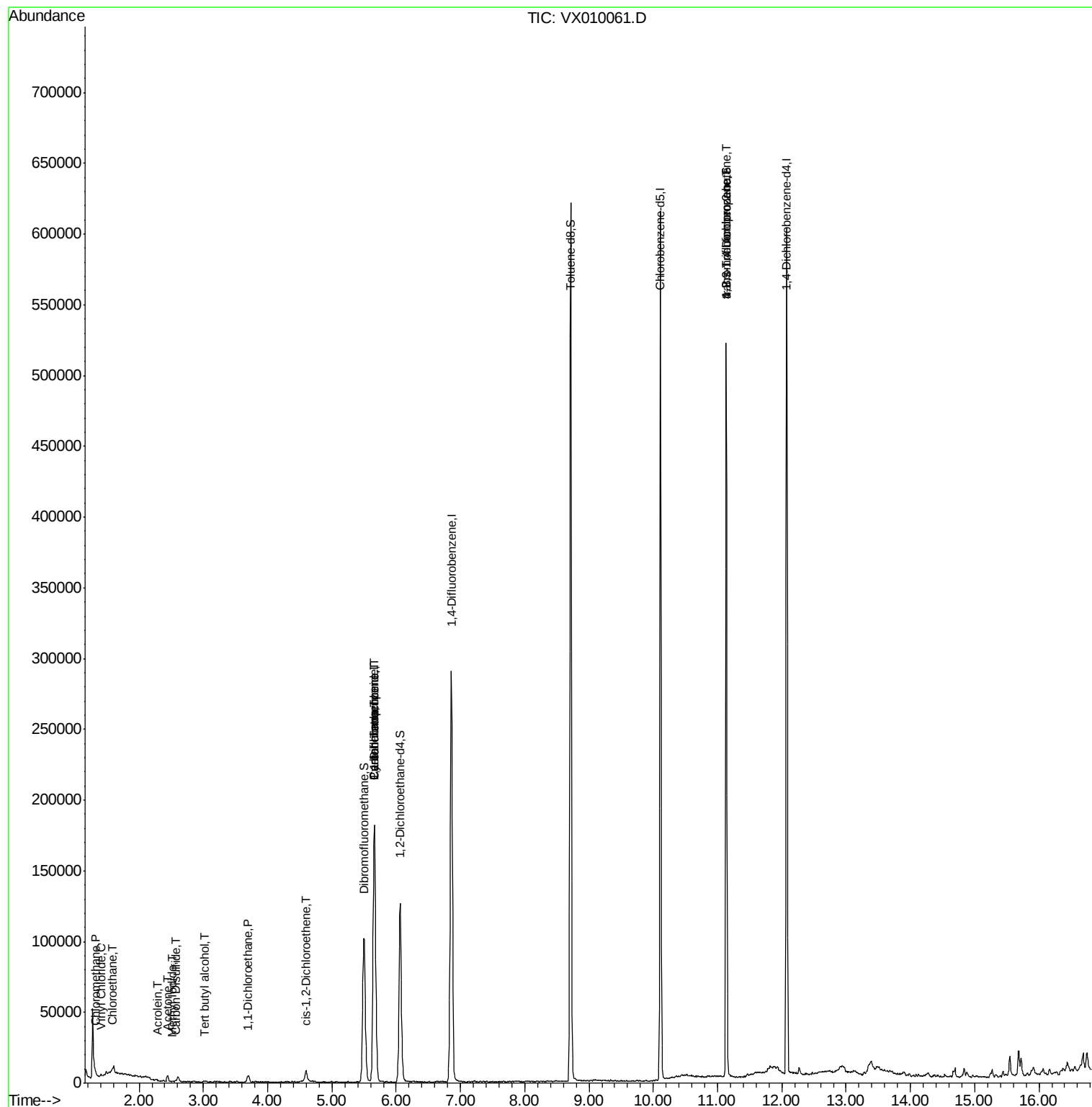
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	800	0.271	ug/l #	86
4) Vinyl Chloride	1.40	62	758	0.285	ug/l #	82
6) Chloroethane	1.57	64	10306	6.285	ug/l #	51
10) Methyl Iodide	2.51	142	190	4.735	ug/l #	42
11) Tert butyl alcohol	3.02	59	468	0.748	ug/l #	73
13) Acrolein	2.28	56	19	21.136	ug/l #	1
16) Acetone	2.44	43	5211	3.549	ug/l	93
17) Carbon Disulfide	2.57	76	1167	0.595	ug/l #	74
24) 1,1-Dichloroethane	3.70	63	5135	1.258	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	4356	1.862	ug/l	85
31) Cyclohexane	5.66	56	3807	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13683	4.686	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16740	6.634	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	66486	22.524	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66486	55.727	ug/l #	10

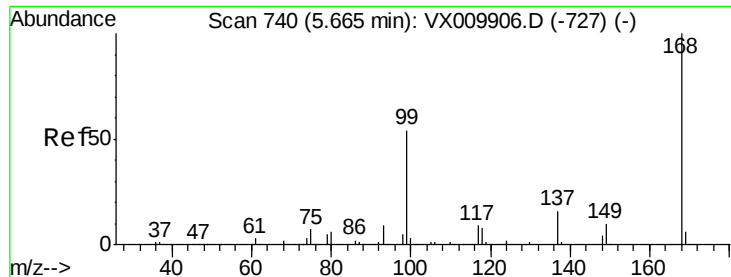
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

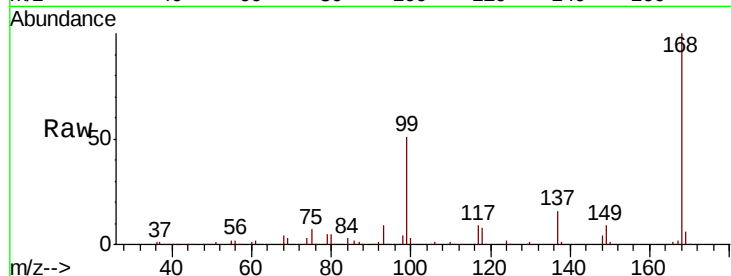
ClientSampleId :

Tot Ion:168 Resp: 179885

Ion Ratio Lower Upper

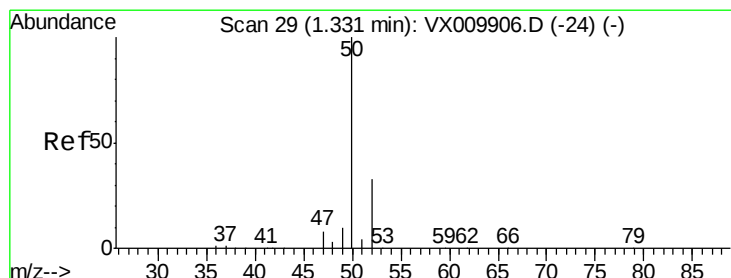
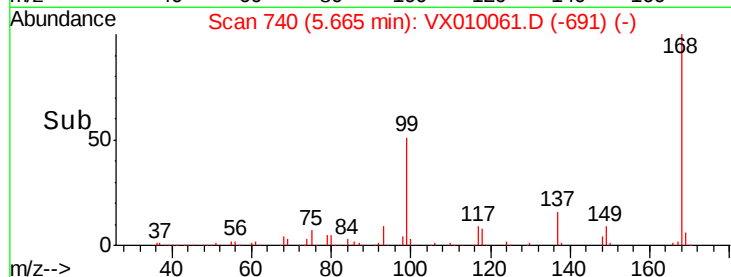
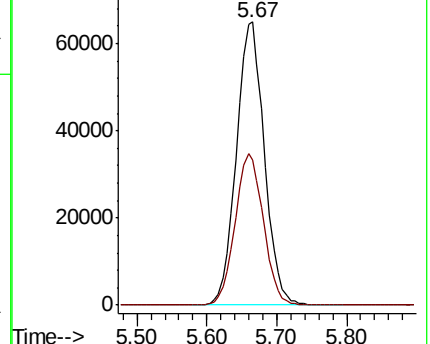
168 100

99 51.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.271 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010061.D

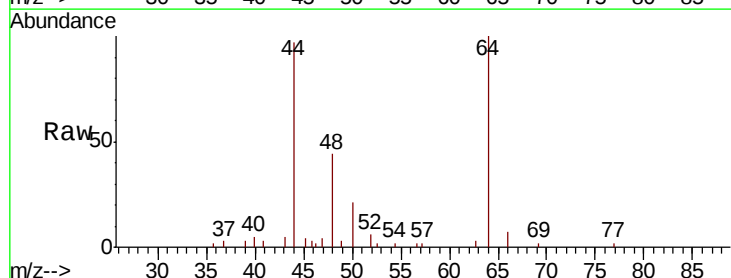
Acq: 04 Jun 2019 16:28

Tgt Ion: 50 Resp: 800

Ion Ratio Lower Upper

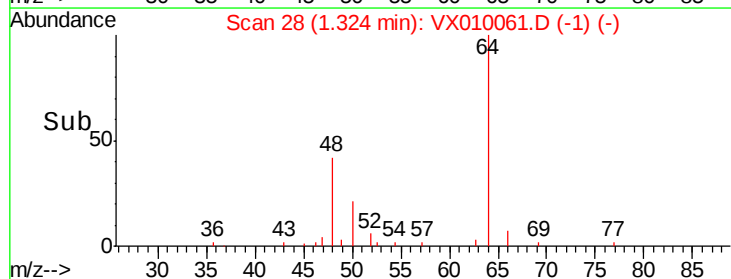
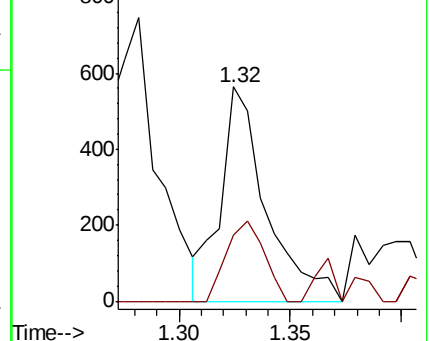
50 100

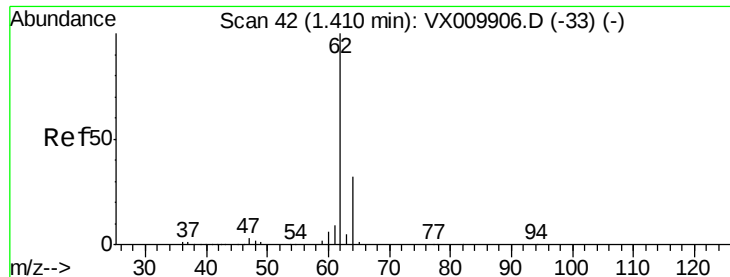
52 40.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.285 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

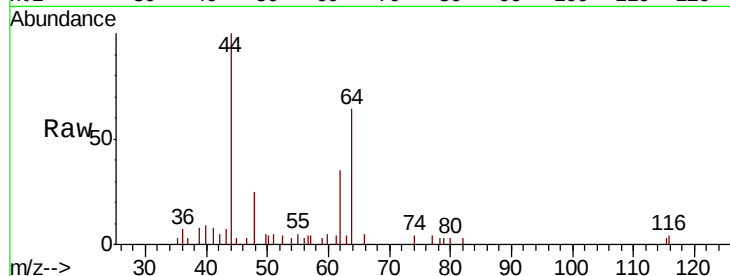
ClientSampled :

Tot Ion: 62 Resp: 758

Ion Ratio Lower Upper

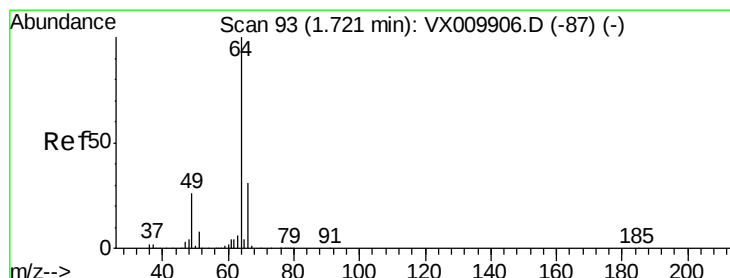
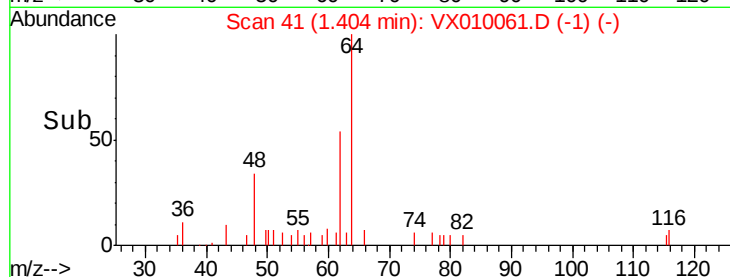
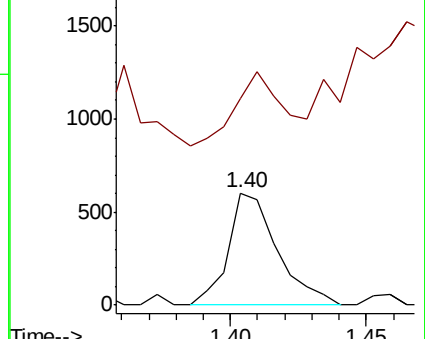
62 100

64 42.4 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 6.285 ug/l

RT: 1.57 min Scan# 69

Delta R.T. -0.15 min

Lab File: VX010061.D

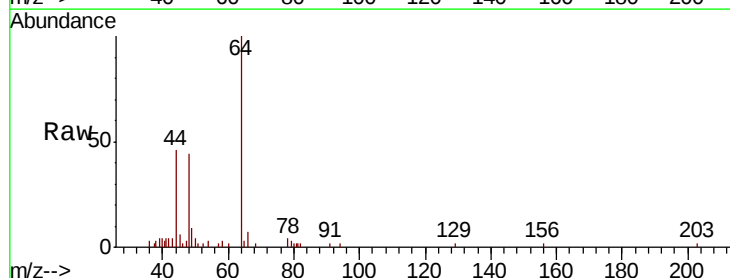
Acq: 04 Jun 2019 16:28

Tgt Ion: 64 Resp: 10306

Ion Ratio Lower Upper

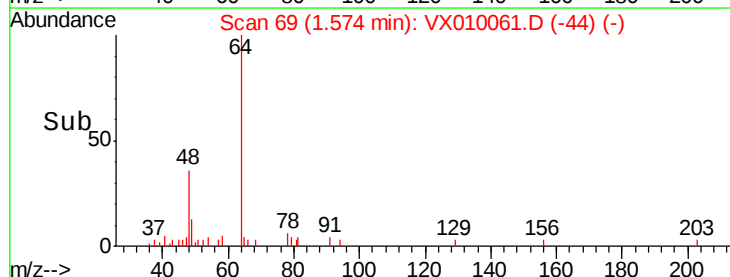
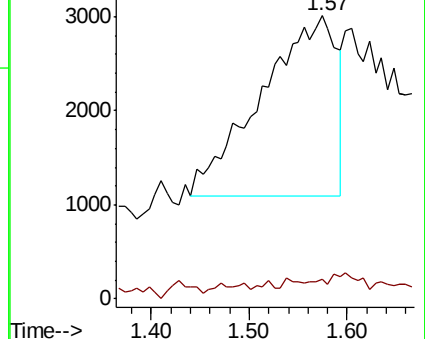
64 100

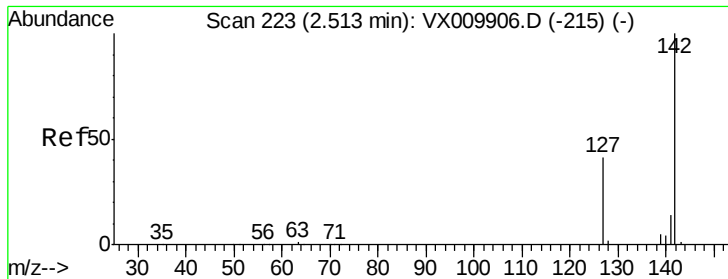
66 4.2 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

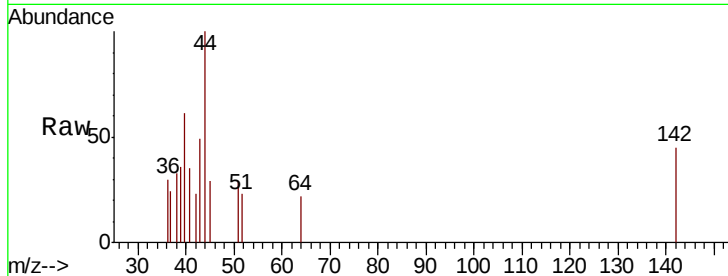




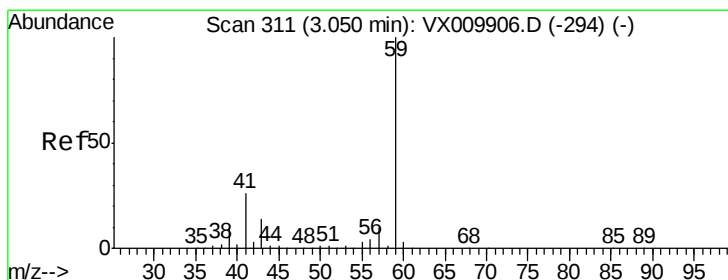
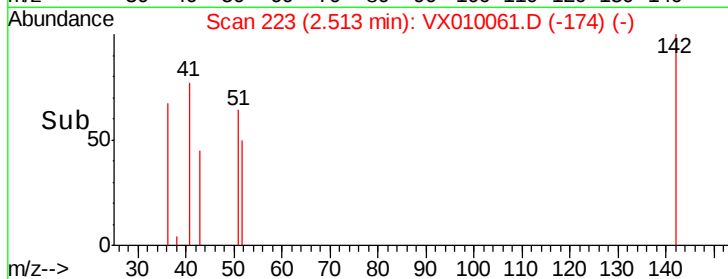
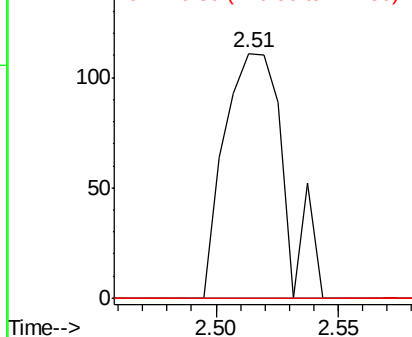
#10
Methyl Iodide
Concen: 4.735 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

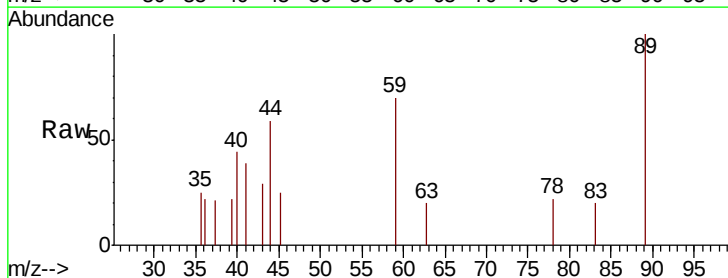


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

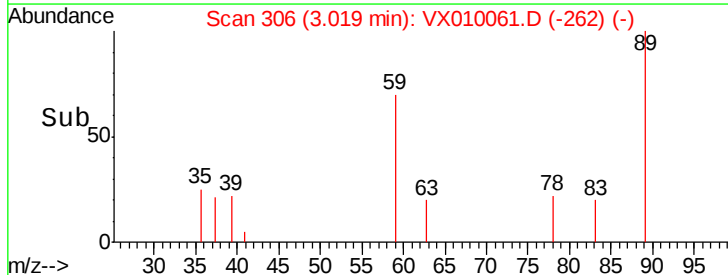
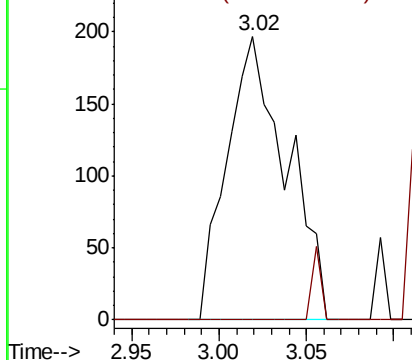


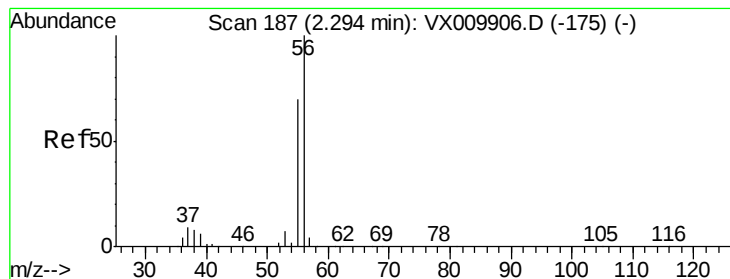
#11
Tert butyl alcohol
Concen: 0.748 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Tgt Ion: 59 Resp: 468
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 21.136 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

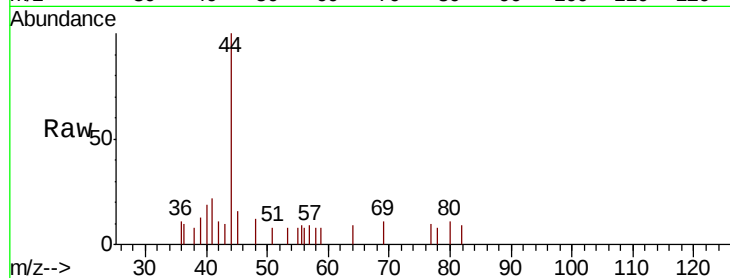
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

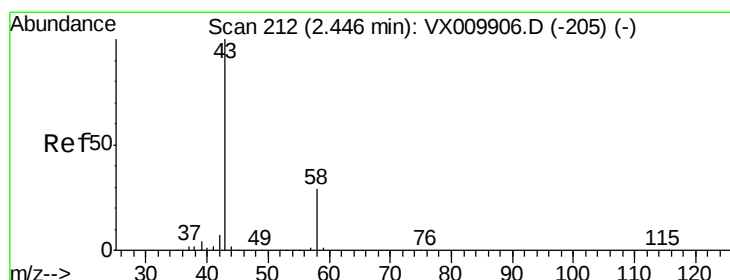
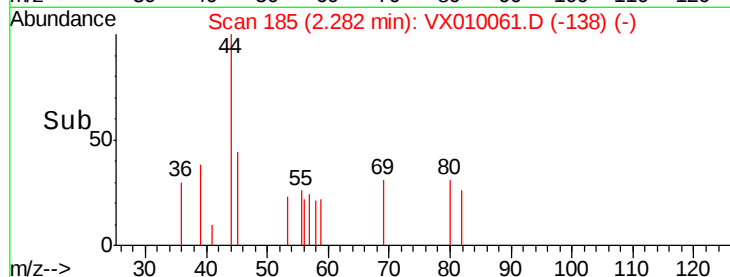
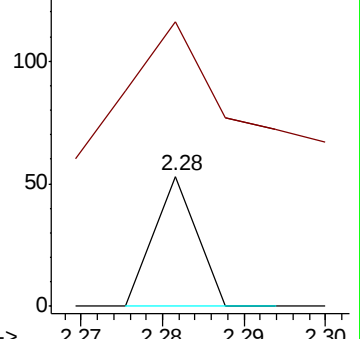
56 100

55 810.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.549 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010061.D

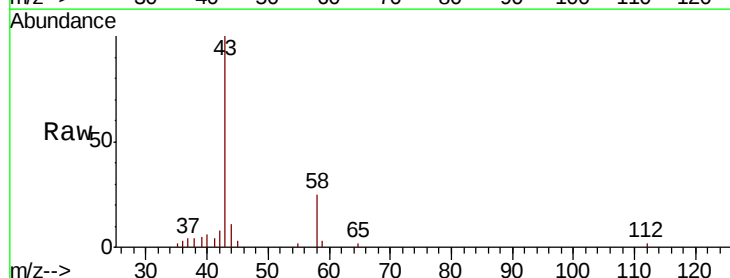
Acq: 04 Jun 2019 16:28

Tgt Ion: 43 Resp: 5211

Ion Ratio Lower Upper

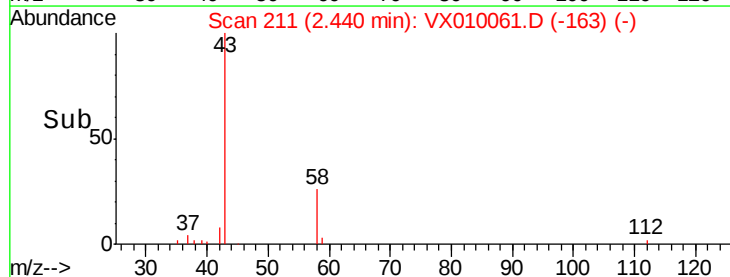
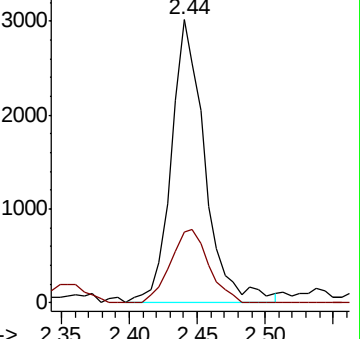
43 100

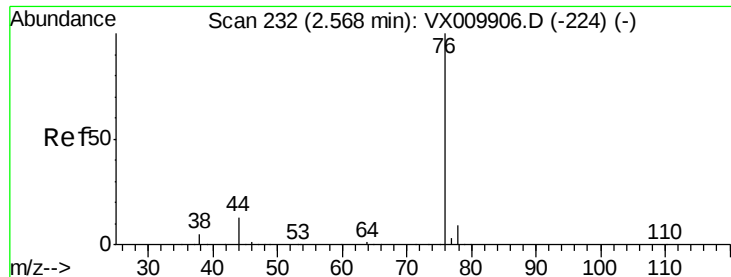
58 25.3 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.595 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

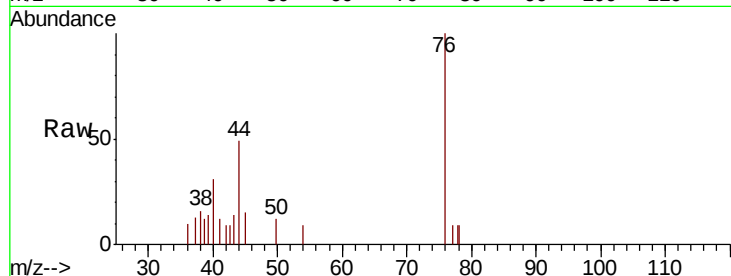
ClientSampleId :

Tot Ion: 76 Resp: 1167

Ion Ratio Lower Upper

76 100

78 18.3 7.0 10.6#

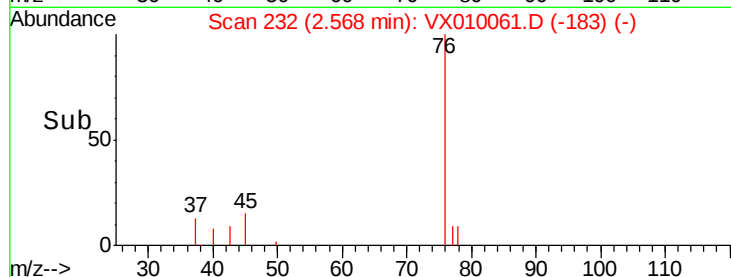


Abundance Ion 75.90 (75.60 to 76.60): VX0

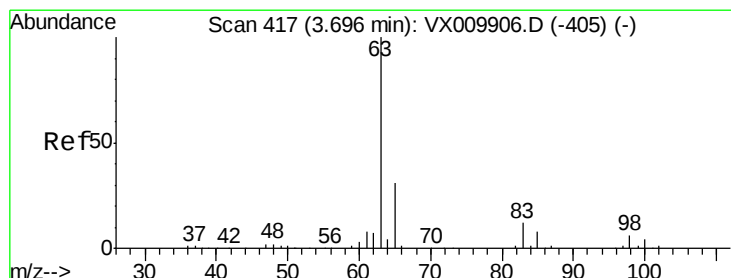
Ion 77.90 (77.60 to 78.60): VX0

2.57

2.60



Time-->



#24

1,1-Dichloroethane

Concen: 1.258 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

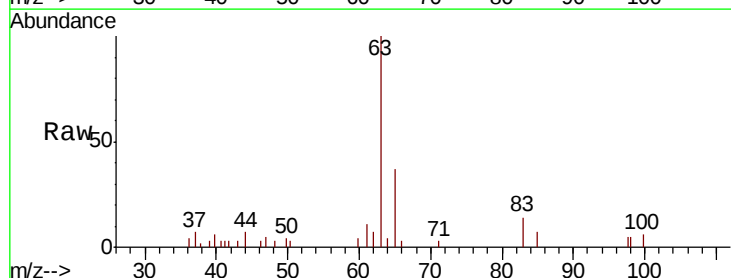
Tgt Ion: 63 Resp: 5135

Ion Ratio Lower Upper

63 100

98 9.9 2.9 8.8#

100 6.0 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

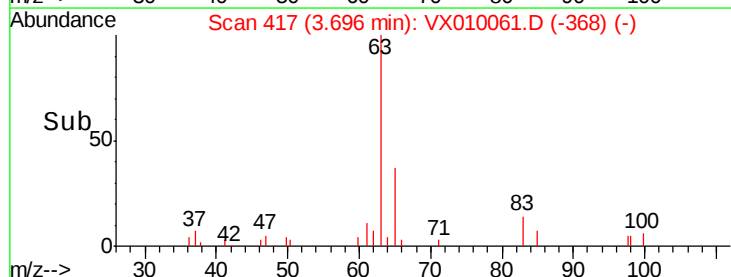
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

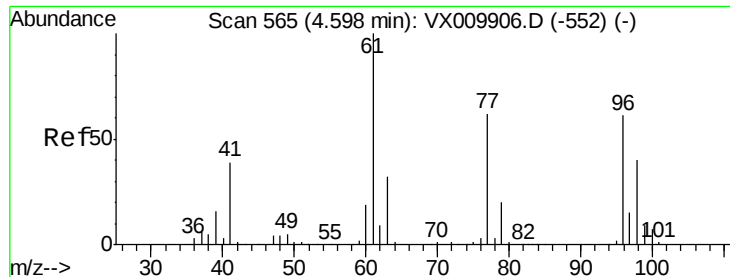
3.70

3.75

3.80



Time-->

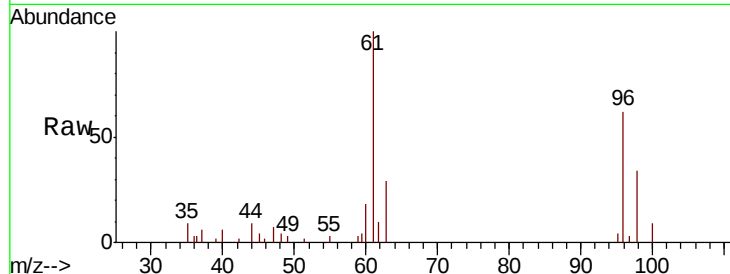


#27

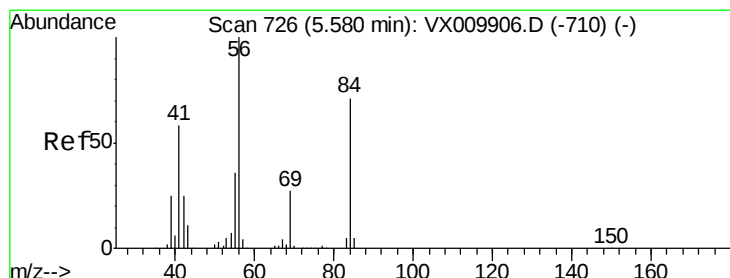
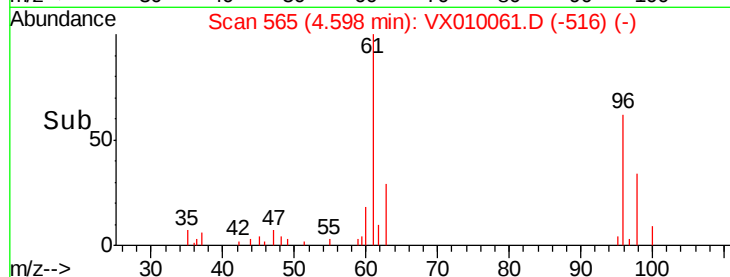
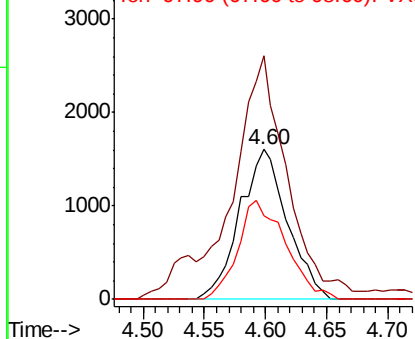
cis-1,2-Dichloroethene
Concen: 1.862 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 4356
Ion Ratio Lower Upper
96 100
61 194.4 0.0 334.0
98 66.0 0.0 131.6



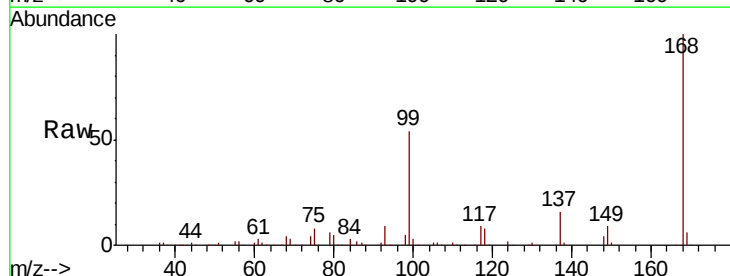
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



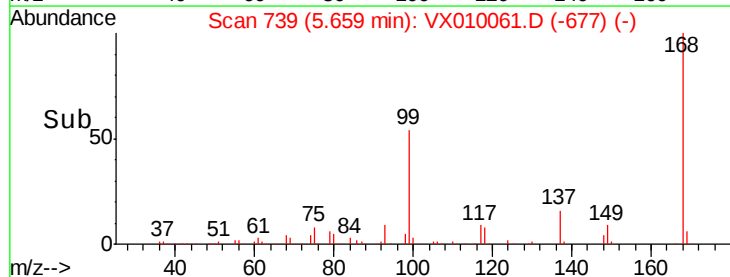
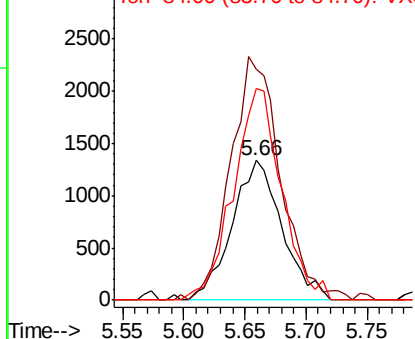
#31

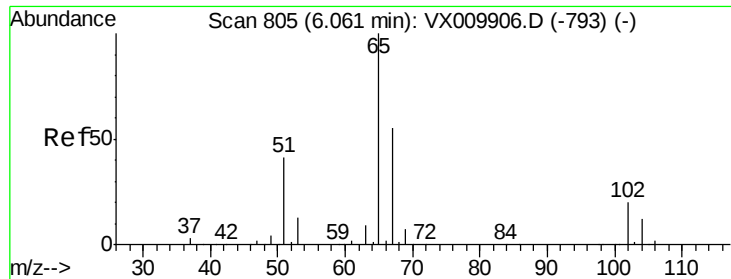
Cyclohexane
Concen: 0.985 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 165.4 21.6 32.4#
84 152.1 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

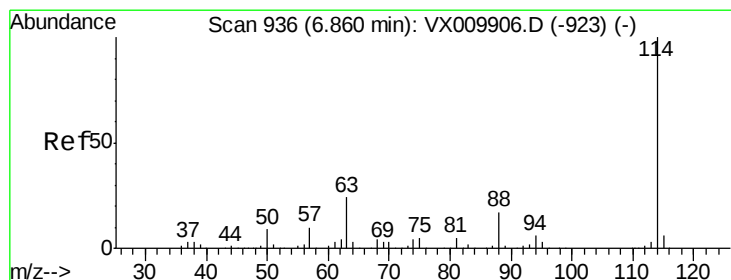
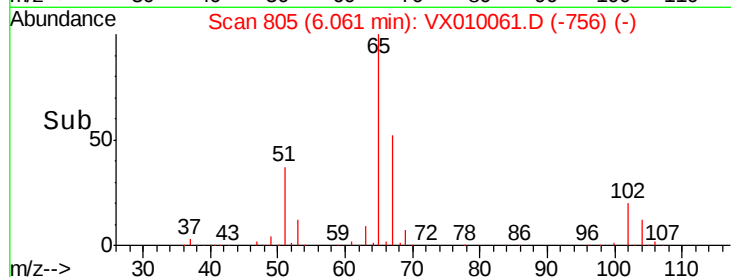
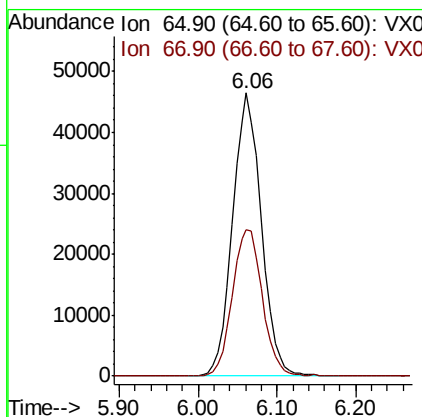
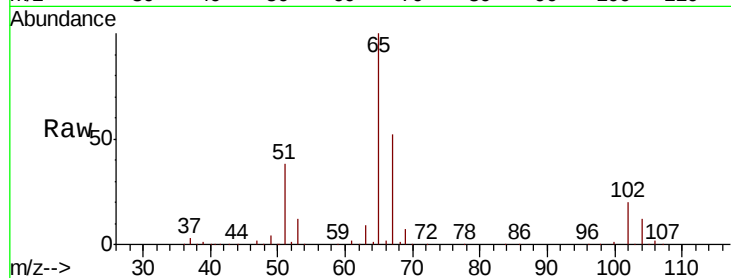




#33
 1,2-Dichloroethane-d4
 Concen: 46.343 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010061.D
 Acq: 04 Jun 2019 16:28

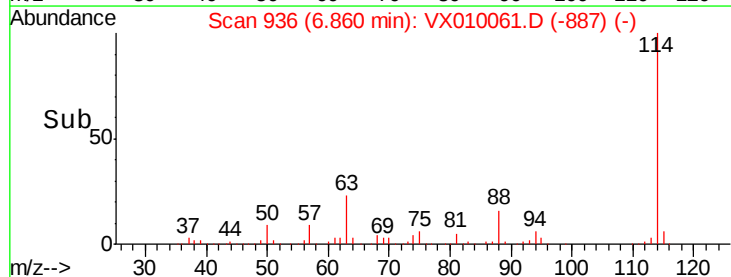
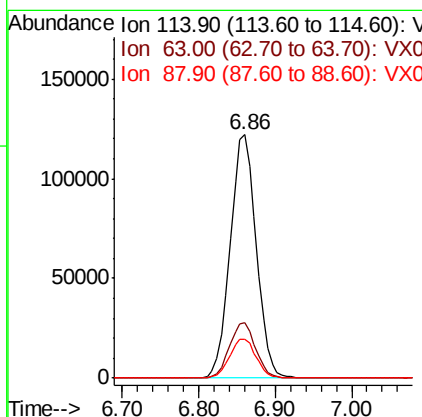
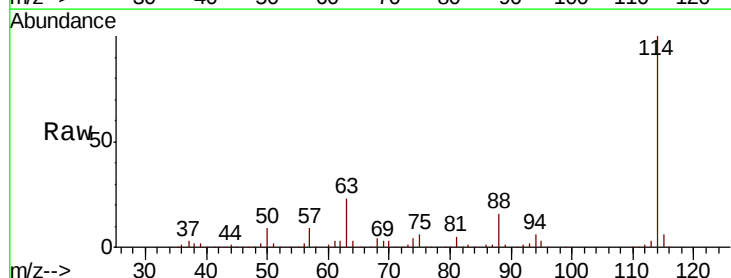
Instrument :
 MSVOA_X
 ClientSampled :

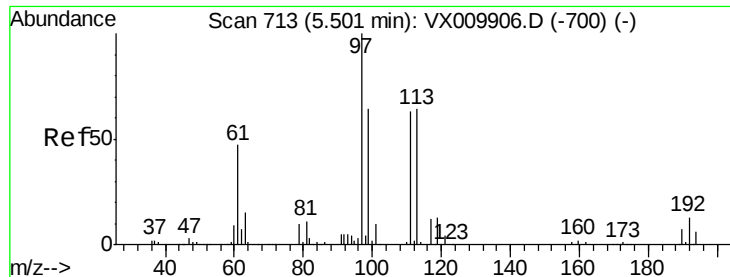
Tot Ion: 65 Resp: 117760
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010061.D
 Acq: 04 Jun 2019 16:28

Tgt Ion: 114 Resp: 287804
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.4
 88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.856 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

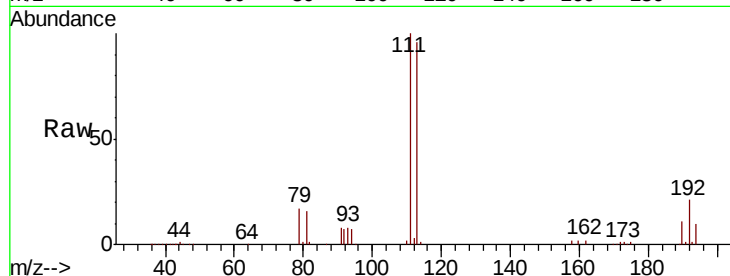
Tot Ion:113 Resp: 88401

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

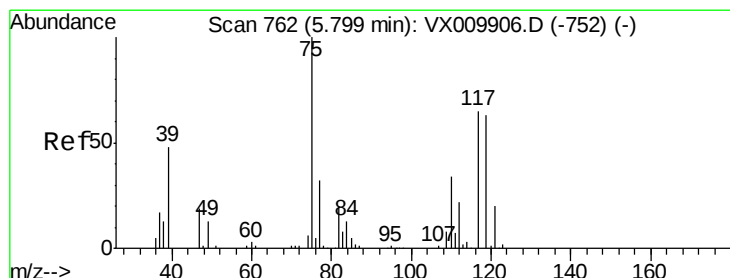
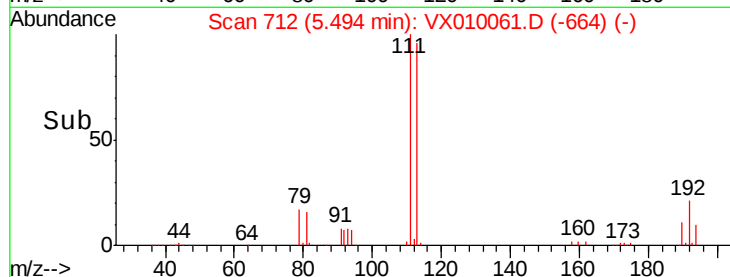
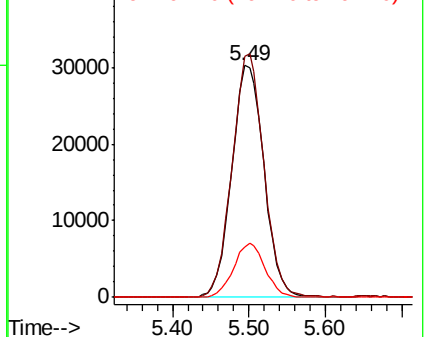
192 22.7 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

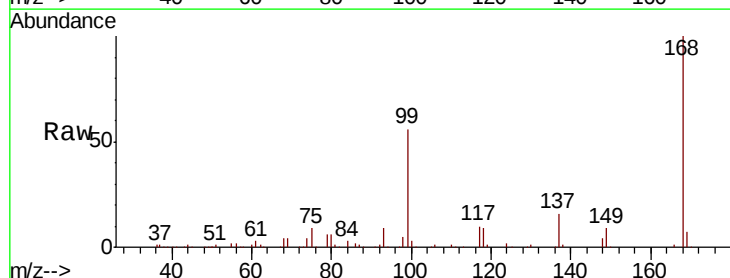
Tgt Ion: 75 Resp: 13683

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

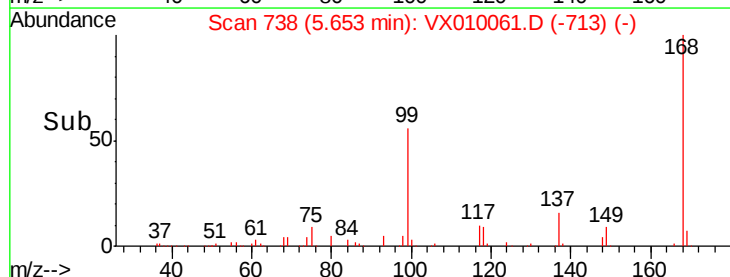
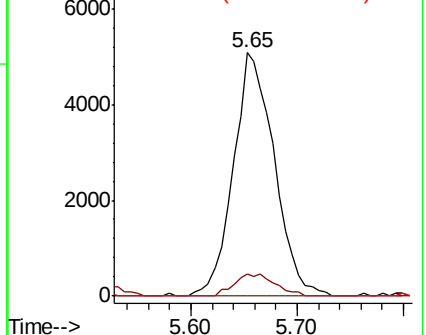
77 0.0 25.0 37.4#

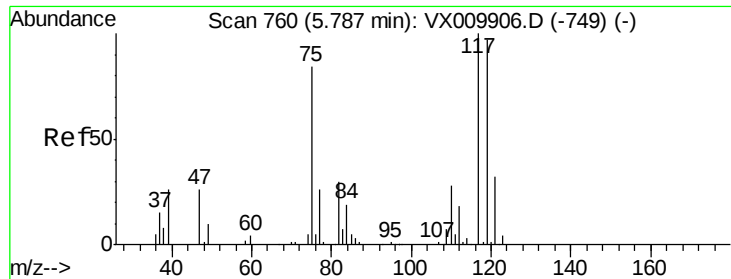


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

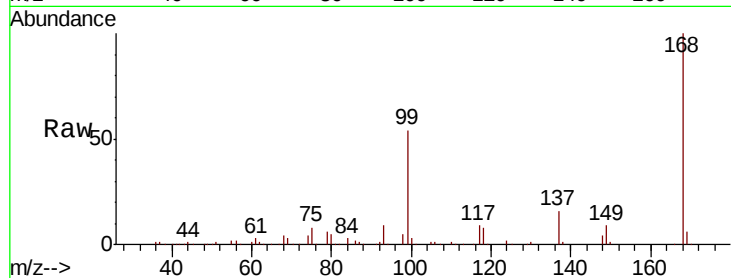




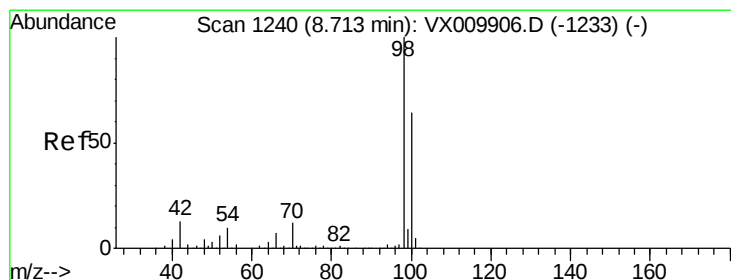
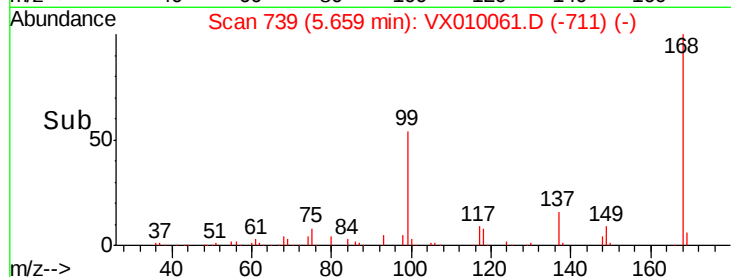
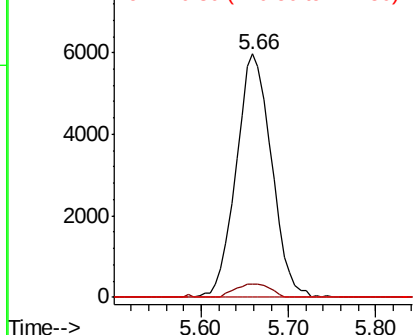
#38
Carbon Tetrachloride
Concen: 6.634 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 16740
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 25.4 38.0#

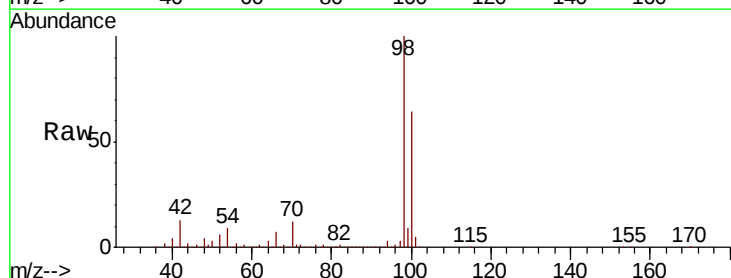


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

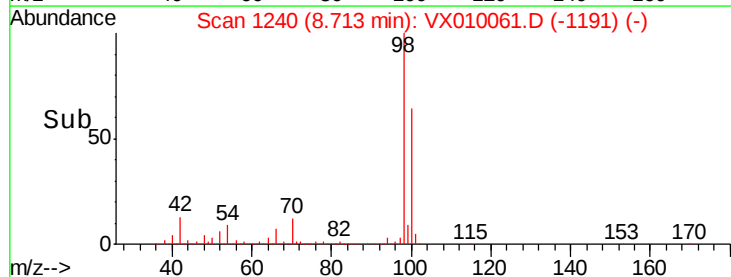
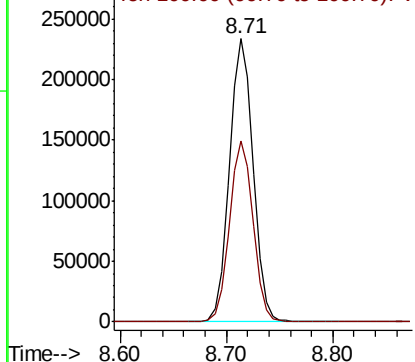


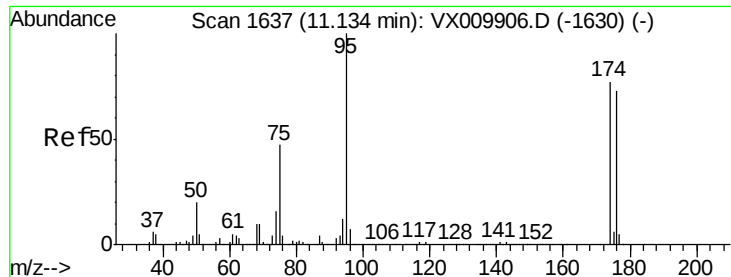
#50
Toluene-d8
Concen: 49.704 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Tgt Ion: 98 Resp: 365212
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.463 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

ClientSampled :

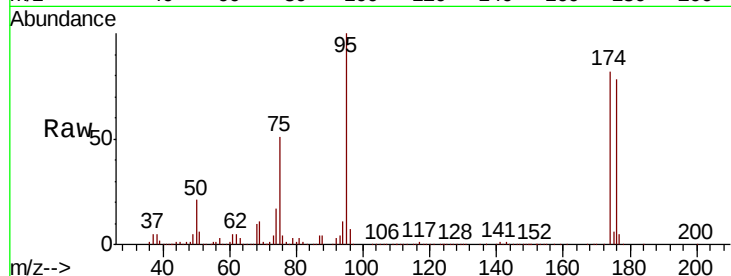
Tot Ion: 95 Resp: 127903

Ion Ratio Lower Upper

95 100

174 84.3 0.0 160.4

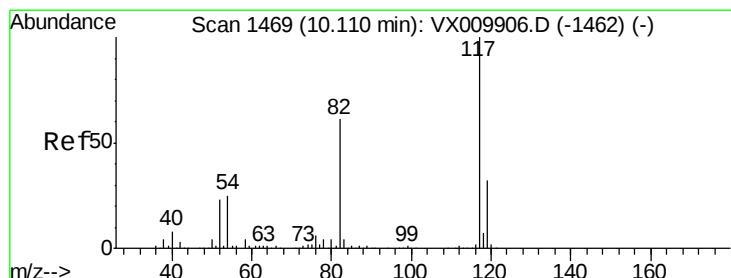
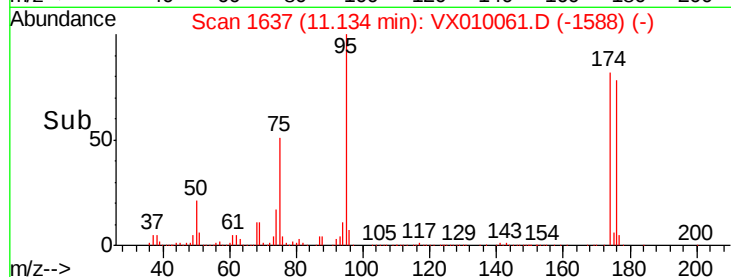
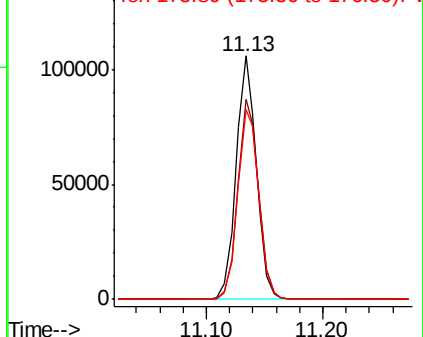
176 81.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

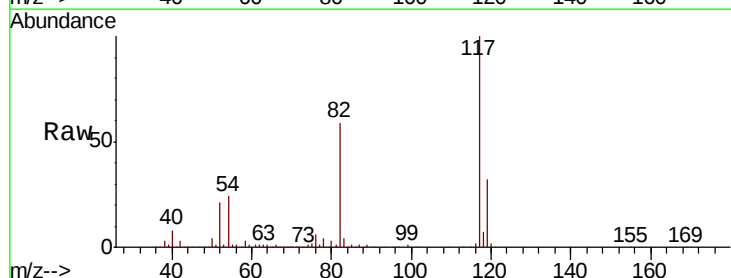
Tgt Ion: 117 Resp: 263603

Ion Ratio Lower Upper

117 100

82 58.6 49.2 73.8

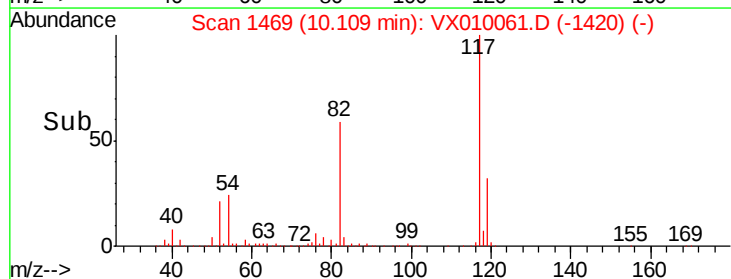
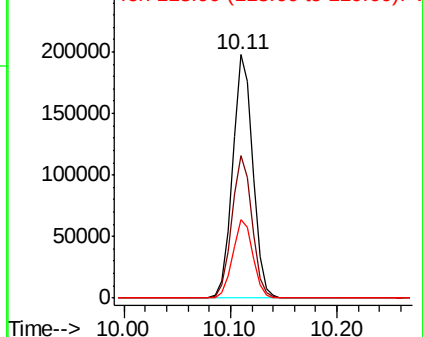
119 32.3 25.2 37.8

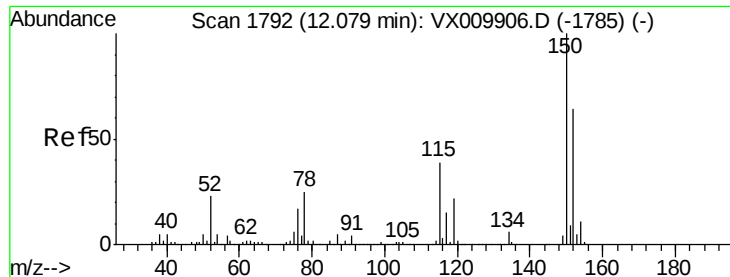


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



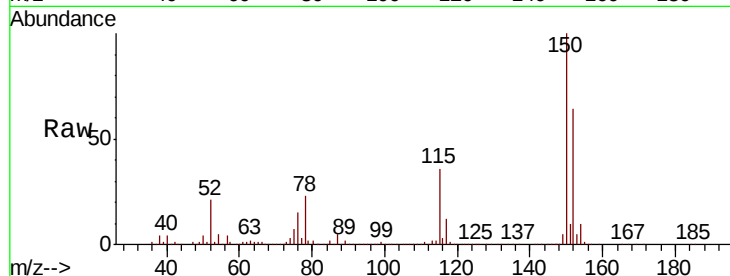


#72

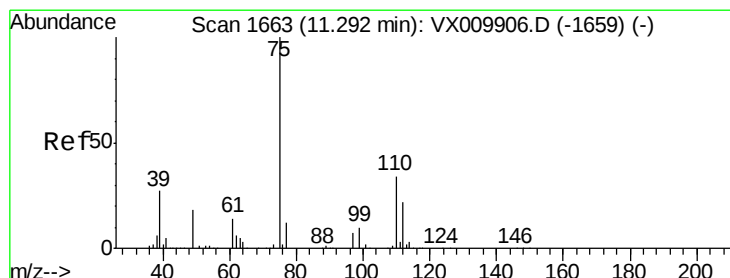
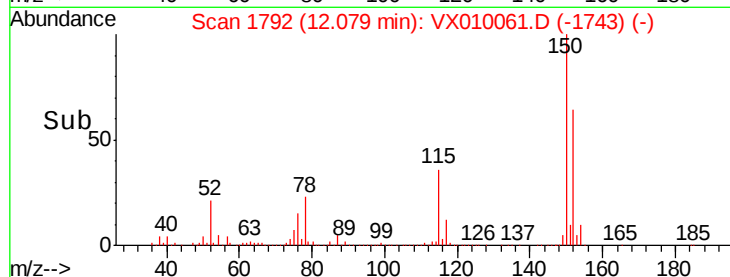
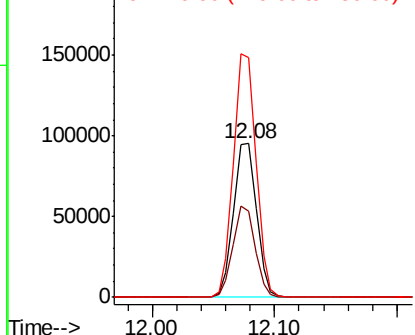
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	41.4	124.2
150	155.7	0.0	345.2



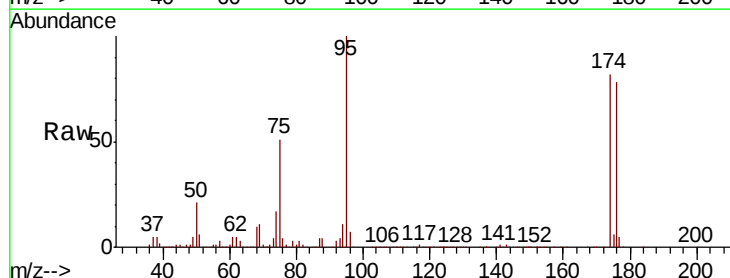
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



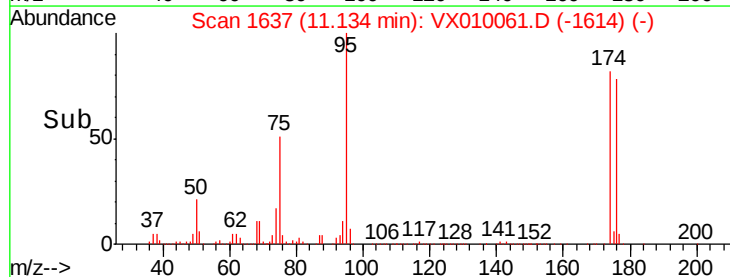
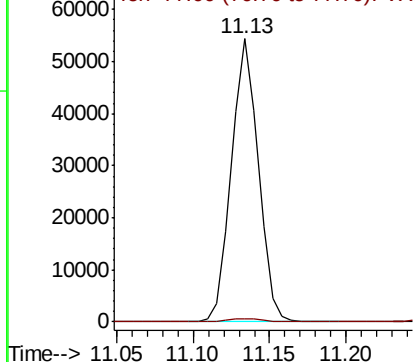
#76

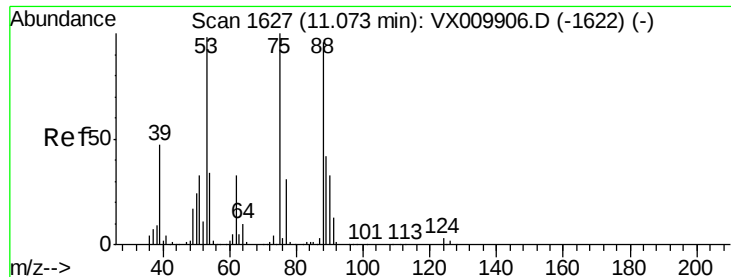
1,2,3-Trichloropropane
Concen: 22.524 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010061.D
Acq: 04 Jun 2019 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.727 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010061.D

Acq: 04 Jun 2019 16:28

Instrument :

MSVOA_X

ClientSampleId :

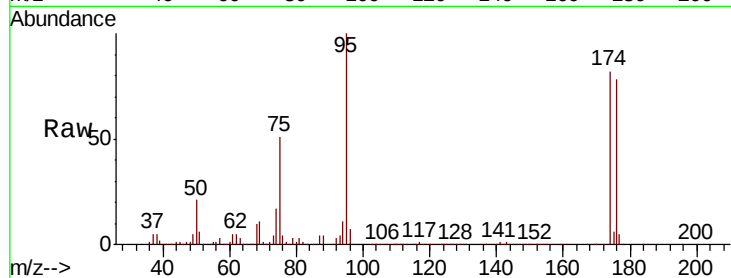
Tot Ion: 75 Resp: 66486

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

