

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010281.D
 Acq On : 13 Jun 2019 18:32
 Operator : JC/SP
 Sample : K3309-17DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:37:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	342121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	515734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	152027	45.52	ug/l	0.00
Spiked Amount						
			Recovery	=	91.04%	
35) Dibromofluoromethane	5.50	113	155243	48.80	ug/l	0.00
Spiked Amount						
			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	604297	50.69	ug/l	0.00
Spiked Amount						
			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.13	95	203648	45.74	ug/l	0.00
Spiked Amount						
			Recovery	=	91.48%	

Target Compounds

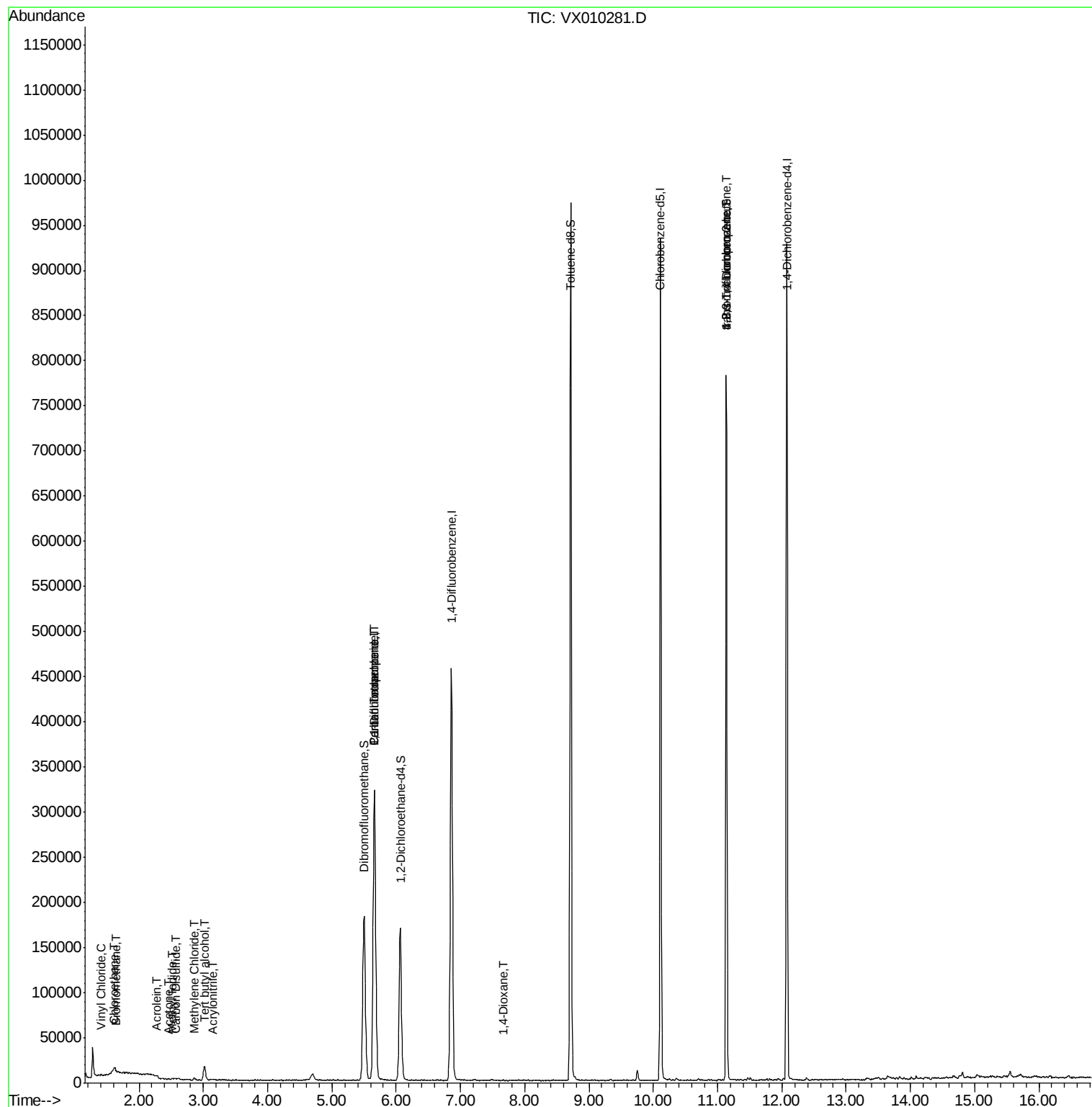
						Qvalue
4) Vinyl Chloride	1.40	62	1204	0.410	ug/l #	77
5) Bromomethane	1.64	94	616	0.556	ug/l #	71
6) Chloroethane	1.60	64	5398	3.644	ug/l #	43
10) Methyl Iodide	2.51	142	1533	0.329	ug/l	96
11) Tert butyl alcohol	3.02	59	8645	10.567	ug/l #	84
13) Acrolein	2.27	56	95	0.637	ug/l #	1
15) Acrylonitrile	3.14	53	581	0.347	ug/l #	90
16) Acetone	2.45	43	916	0.583	ug/l	93
17) Carbon Disulfide	2.57	76	1956	0.220	ug/l #	84
20) Methylene Chloride	2.85	84	758	0.220	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	20405	4.850	ug/l #	52
38) Carbon Tetrachloride	5.67	117	29616	6.219	ug/l #	16
49) 1,4-Dioxane	7.66	88	22	0.225	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	91492	21.644	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	91492	47.821	ug/l #	10

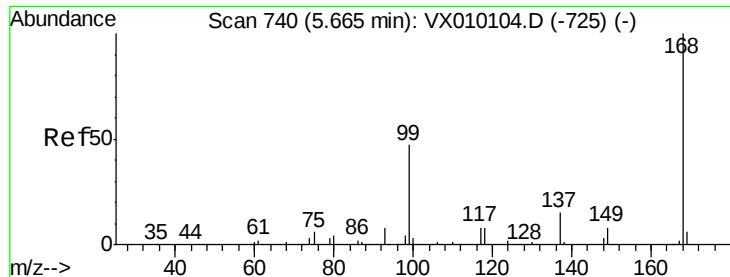
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061319\
Data File : VX010281.D
Acq On : 13 Jun 2019 18:32
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ClientSampleId :

Quant Time: Jun 14 03:37:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

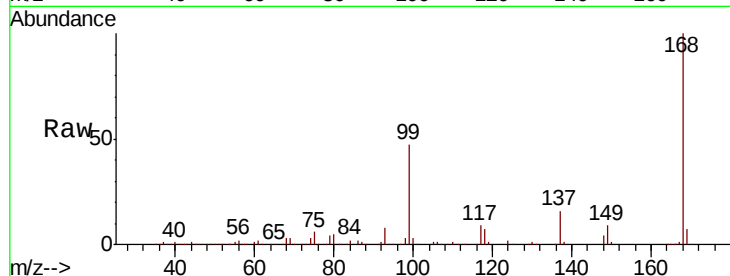
ClientSampleId :

Tot Ion:168 Resp: 342121

Ion Ratio Lower Upper

168 100

99 46.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

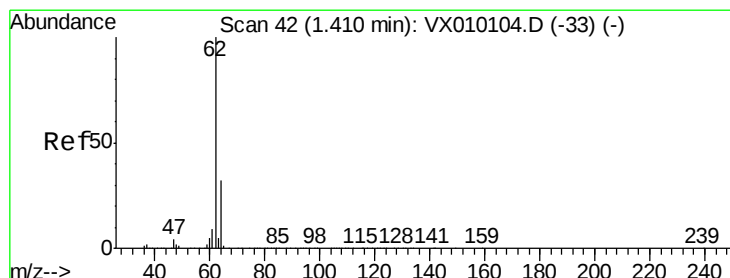
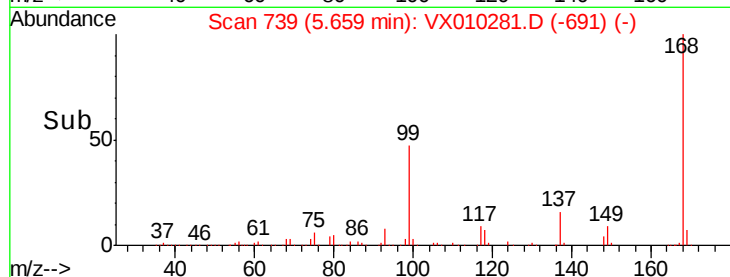
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.410 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010281.D

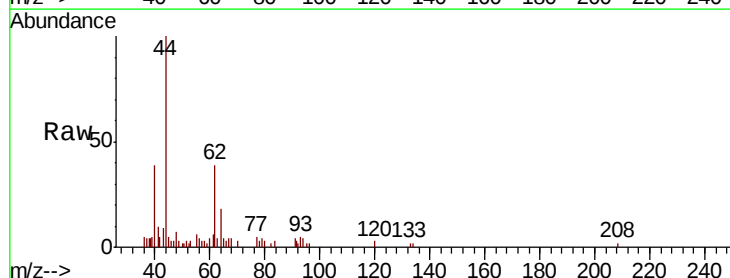
Acq: 13 Jun 2019 18:32

Tgt Ion: 62 Resp: 1204

Ion Ratio Lower Upper

62 100

64 19.4 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1200

1000

800

600

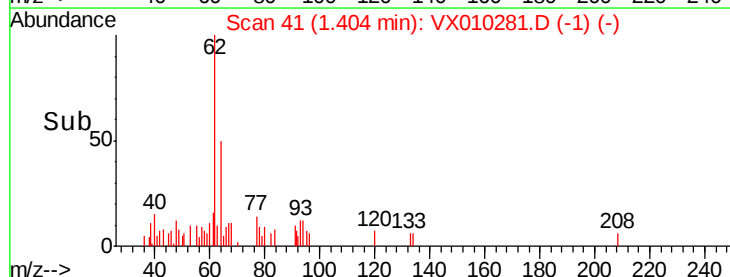
400

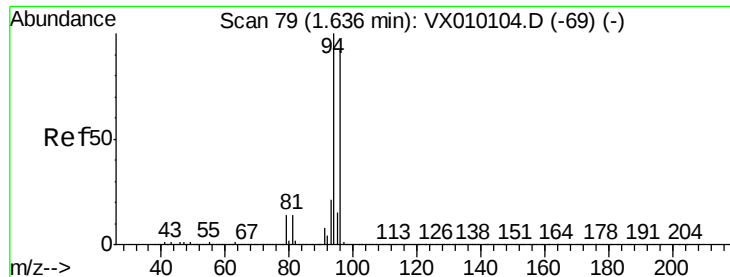
200

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: 0.556 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

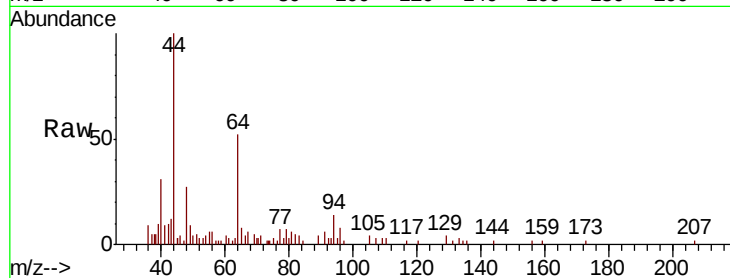
ClientSampled :

Tot Ion: 94 Resp: 616

Ion Ratio Lower Upper

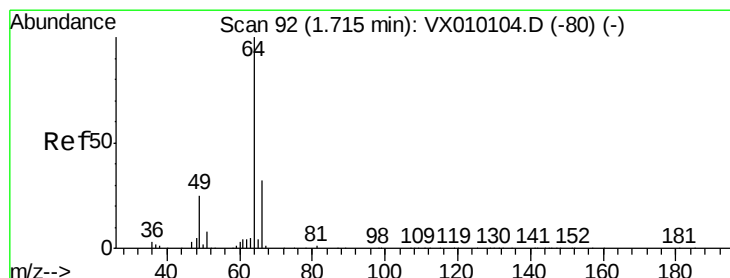
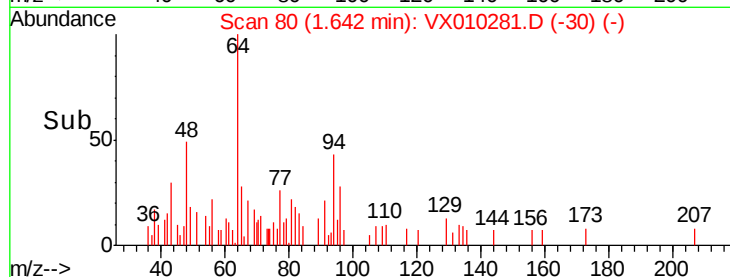
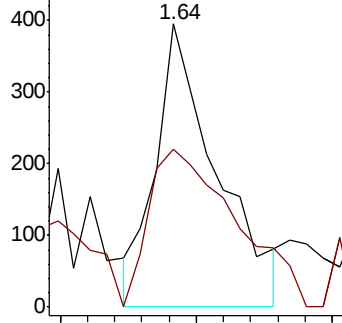
94 100

96 67.5 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 3.644 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX010281.D

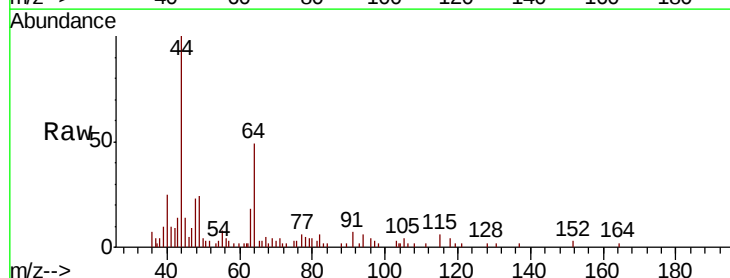
Acq: 13 Jun 2019 18:32

Tgt Ion: 64 Resp: 5398

Ion Ratio Lower Upper

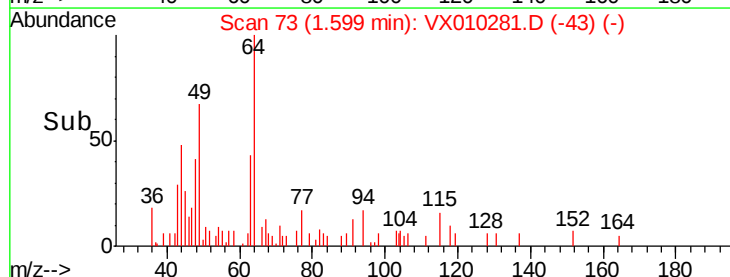
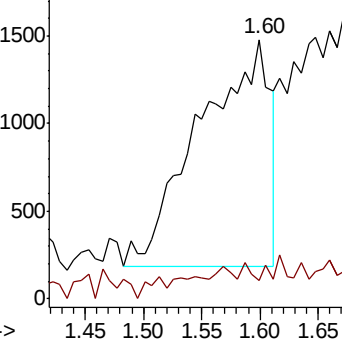
64 100

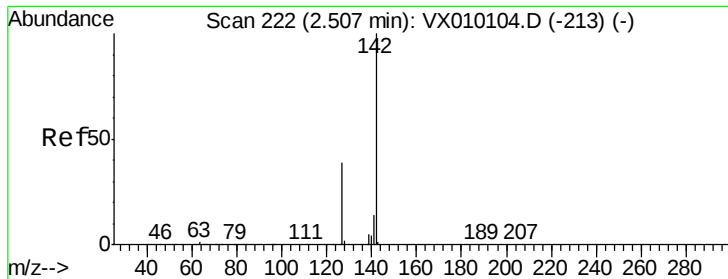
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

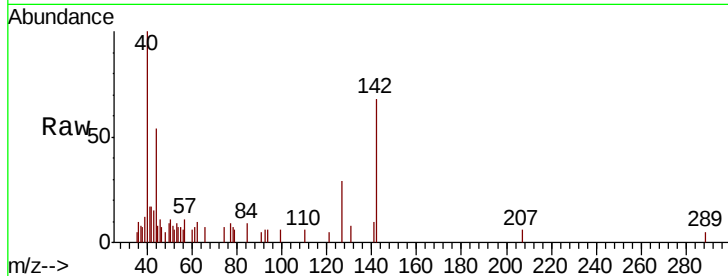




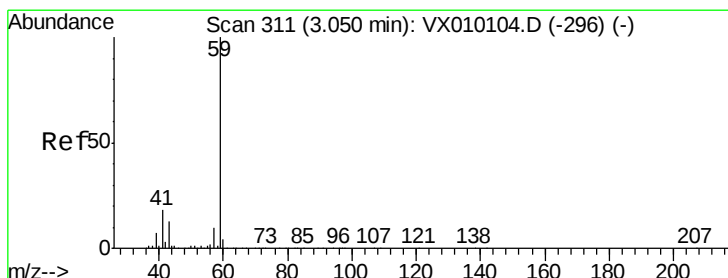
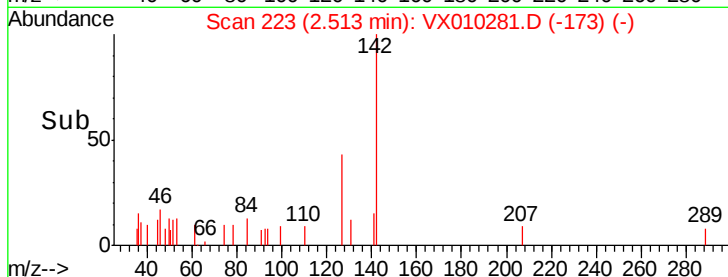
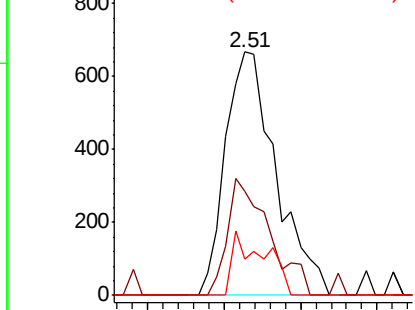
#10
Methvl Iodide
Concen: 0.329 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1533
Ion Ratio Lower Upper
142 100
127 39.6 33.0 49.4
141 16.8 11.4 17.0

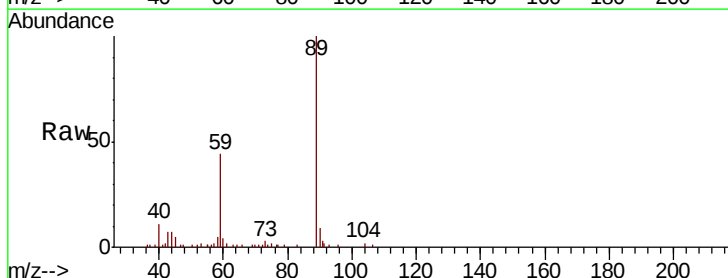


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

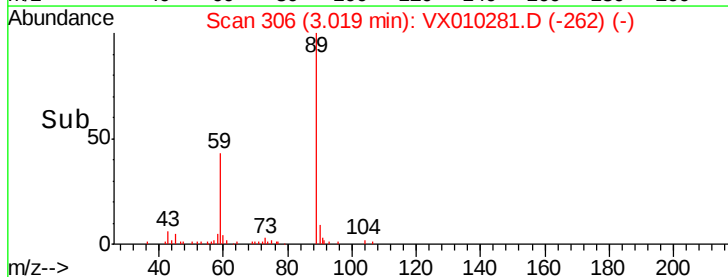
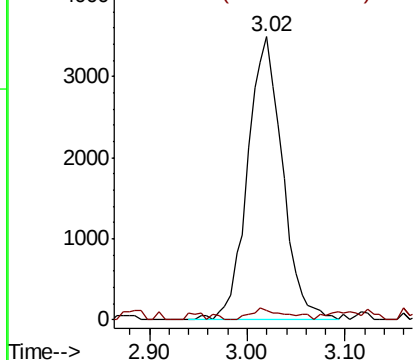


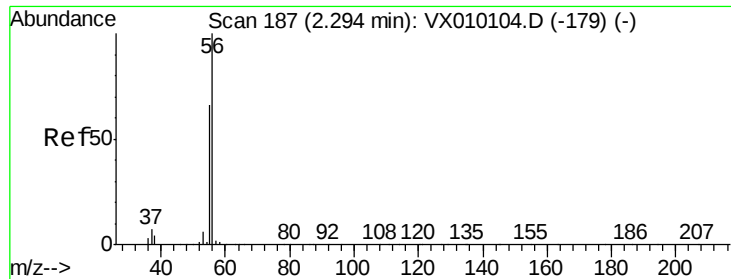
#11
Tert butyl alcohol
Concen: 10.567 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Tgt Ion: 59 Resp: 8645
Ion Ratio Lower Upper
59 100
57 4.1 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: 0.637 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

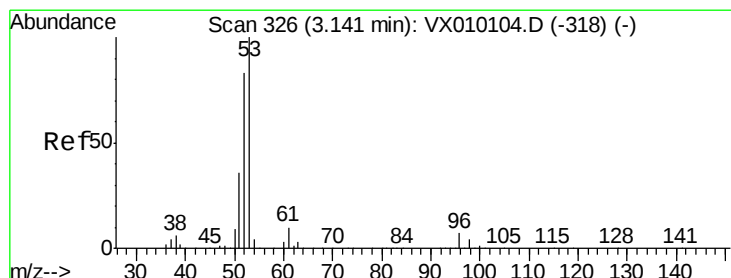
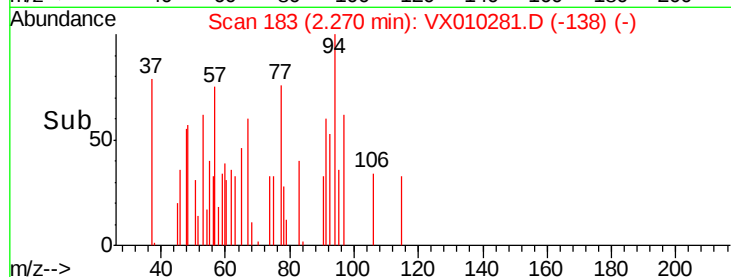
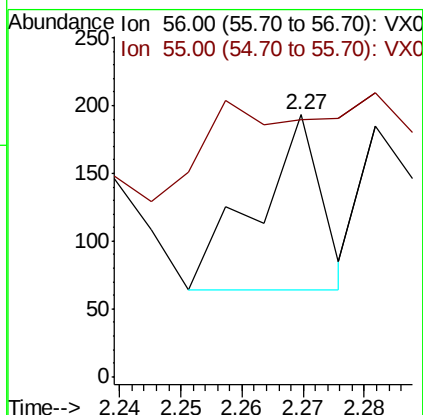
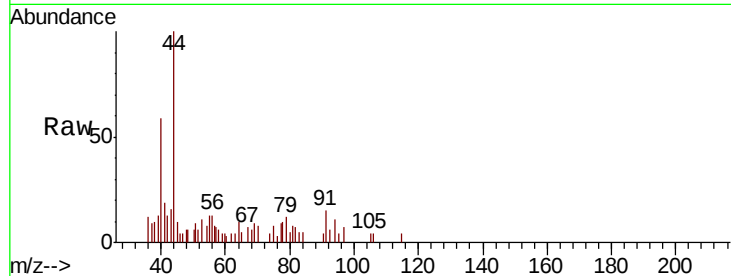
ClientSampleId :

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 342.1 57.0 85.4#



#15

Acrylonitrile

Concen: 0.347 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

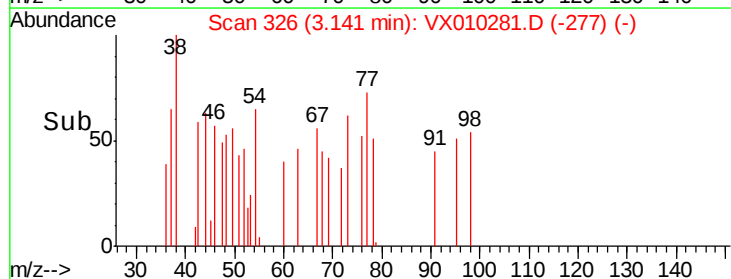
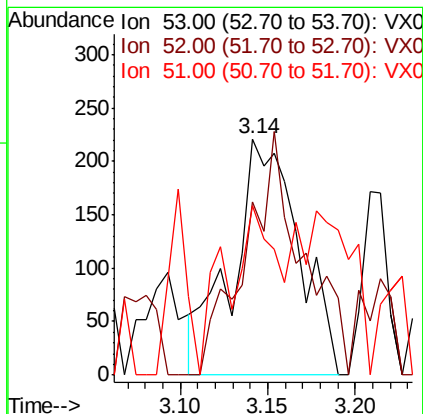
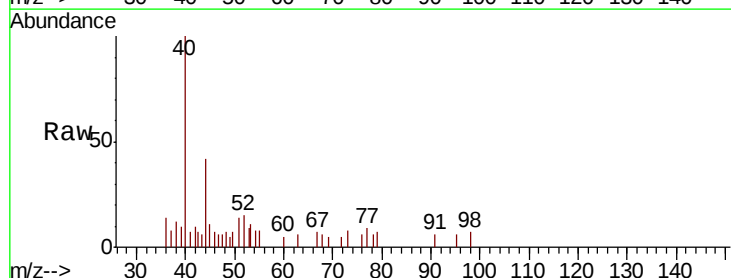
Tgt Ion: 53 Resp: 581

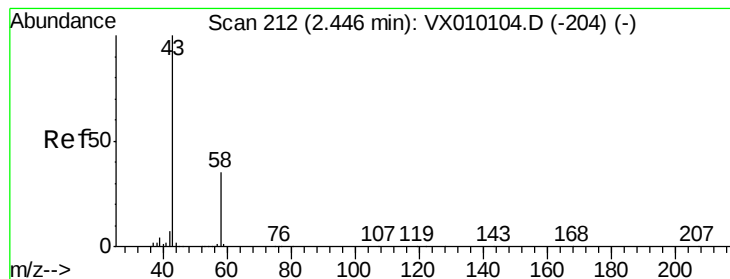
Ion Ratio Lower Upper

53 100

52 89.3 66.7 100.1

51 25.5 28.8 43.2#





#16

Acetone

Concen: 0.583 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

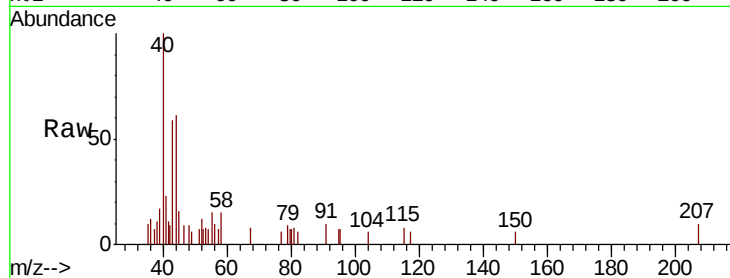
ClientSampleId :

Tot Ion: 43 Resp: 916

Ion Ratio Lower Upper

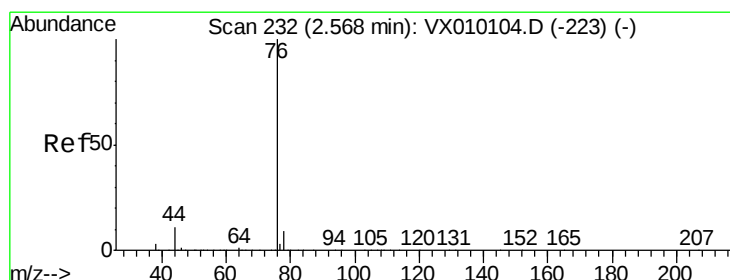
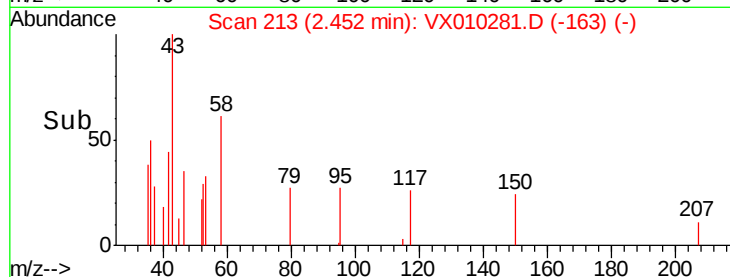
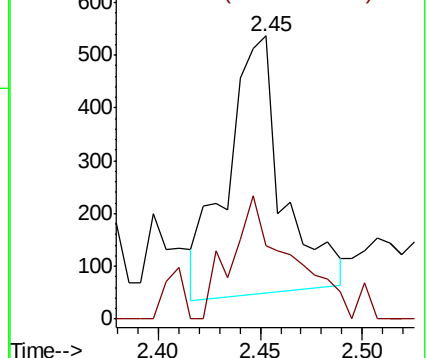
43 100

58 32.7 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: 0.220 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010281.D

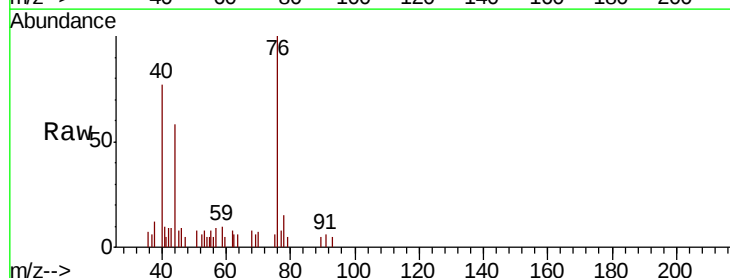
Acq: 13 Jun 2019 18:32

Tgt Ion: 76 Resp: 1956

Ion Ratio Lower Upper

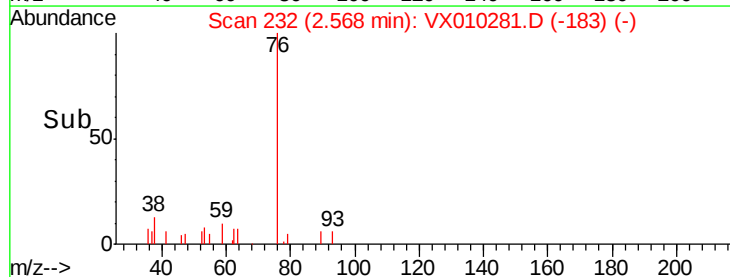
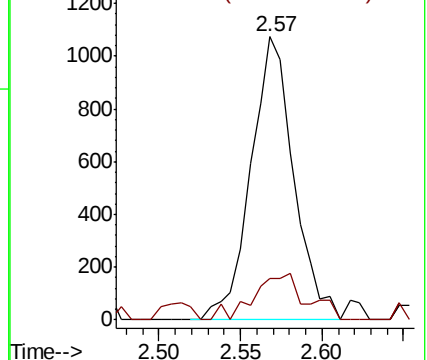
76 100

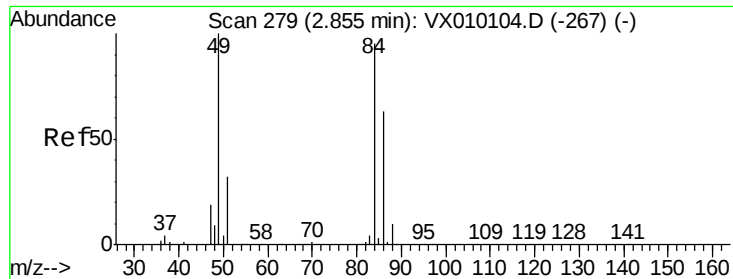
78 14.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

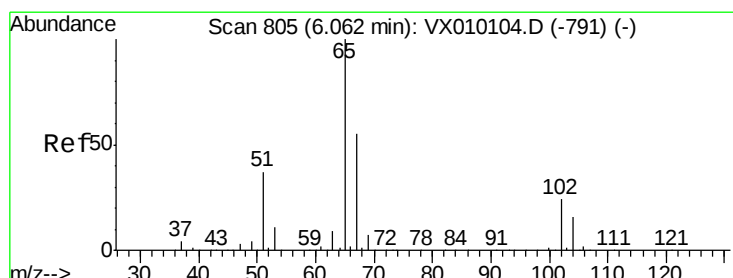
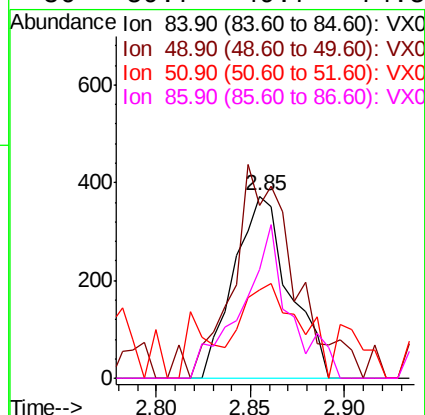
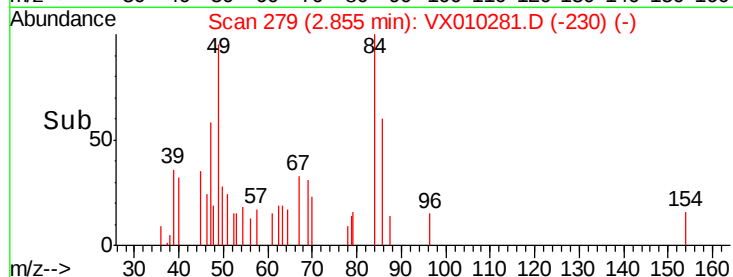
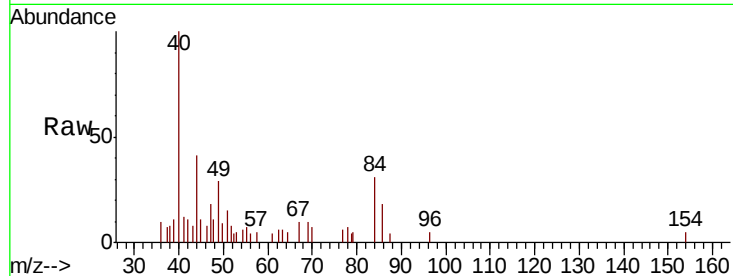




#20
Methvlene Chloride
Concen: 0.220 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

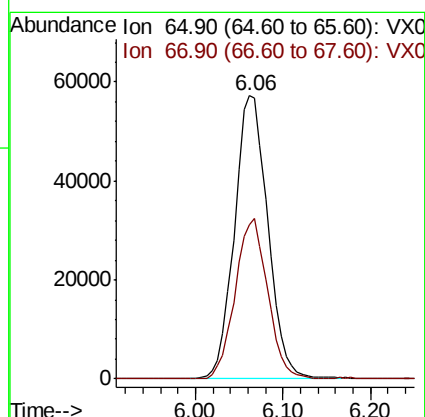
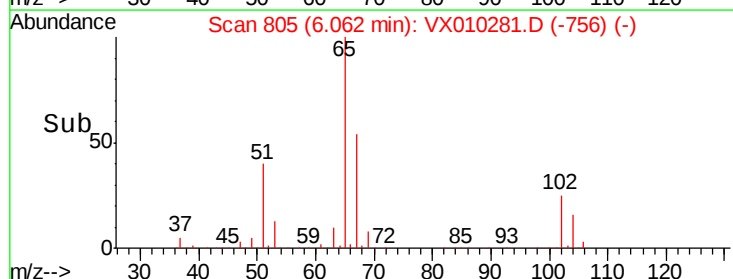
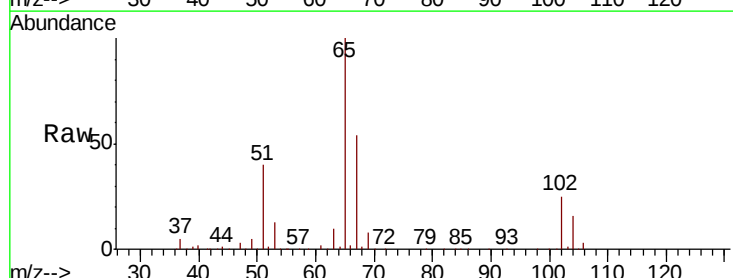
Instrument :
MSVOA_X
ClientSampleId :

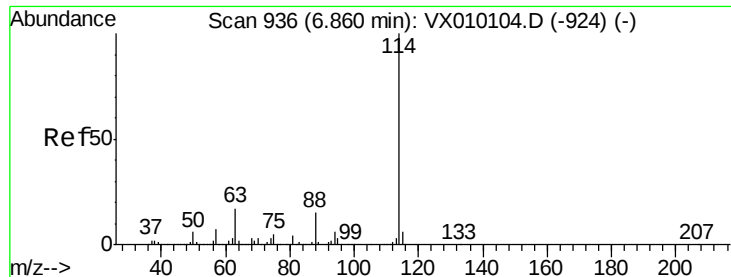
Tot Ion: 84 Resp: 758
Ion Ratio Lower Upper
84 100
49 95.2 115.8 173.6#
51 18.8 34.4 51.6#
86 59.7 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 45.524 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Tgt Ion: 65 Resp: 152027
Ion Ratio Lower Upper
65 100
67 55.2 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: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

ClientSampleId :

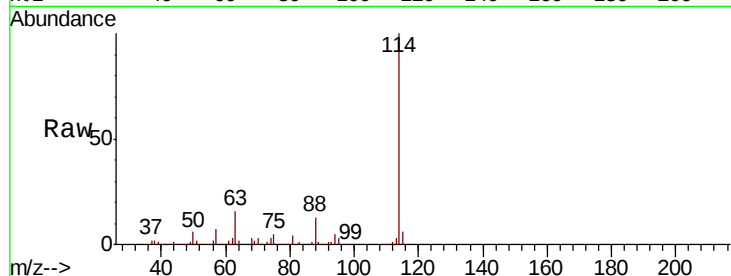
Tot Ion:114 Resp: 515734

Ion Ratio Lower Upper

114 100

63 16.3 0.0 47.4

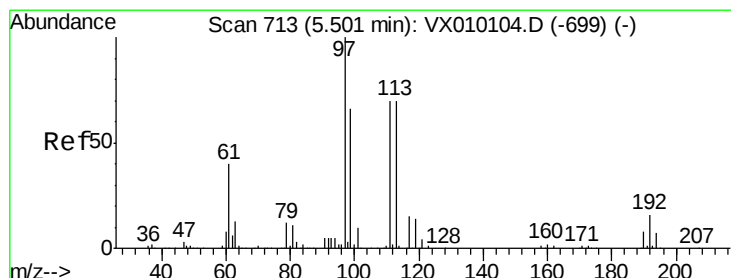
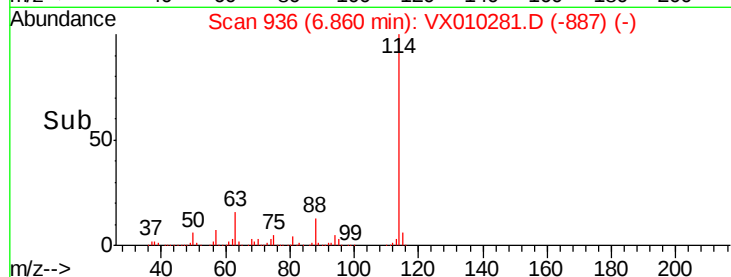
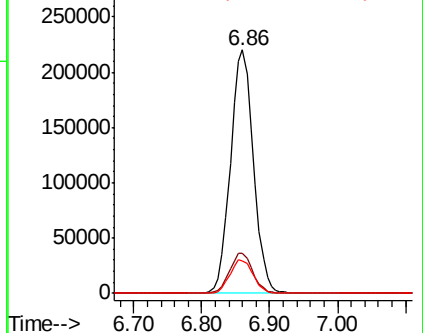
88 13.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.801 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

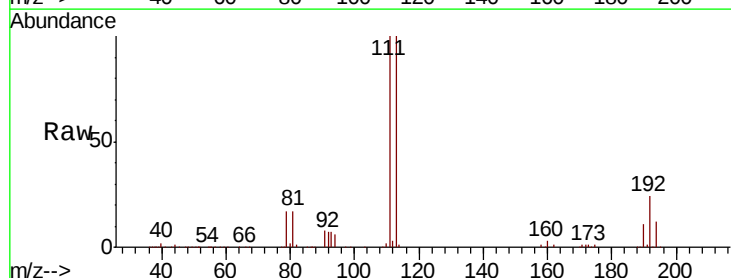
Tgt Ion:113 Resp: 155243

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

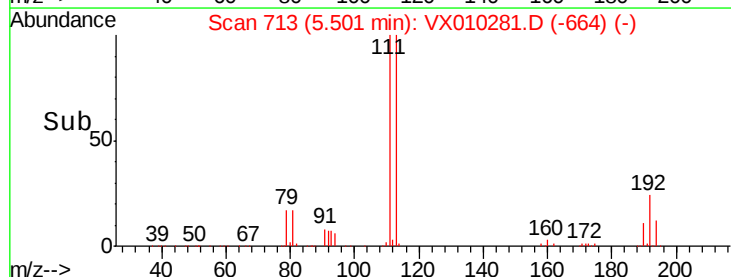
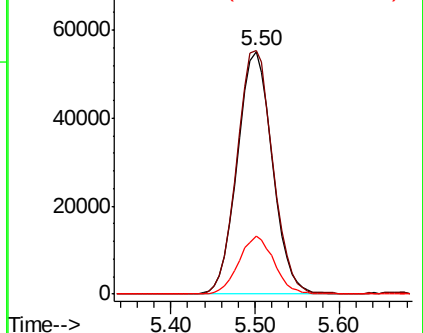
192 23.8 17.1 25.7

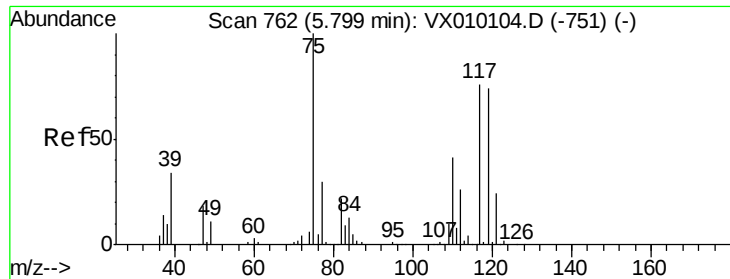


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

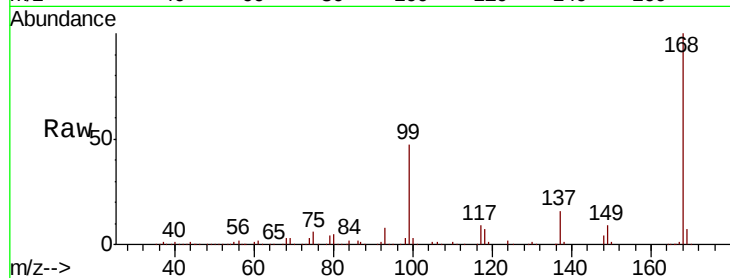




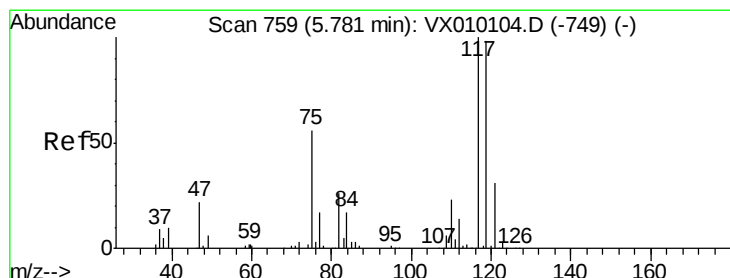
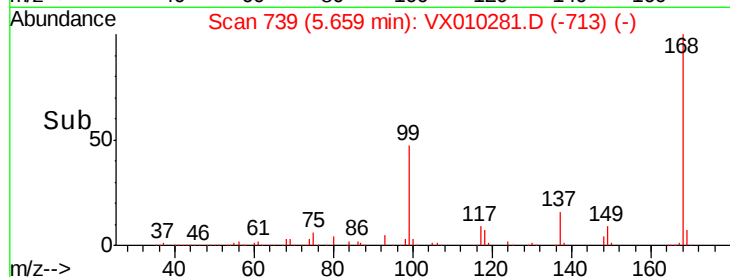
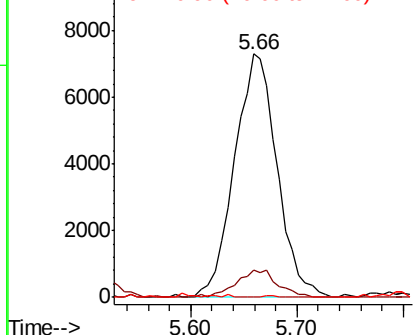
#36
 1,1-Dichloropropene
 Concen: 4.850 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010281.D
 Acq: 13 Jun 2019 18:32

Instrument :
 MSVOA_X
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	16.7	50.1#
77	0.2	25.0	37.4#

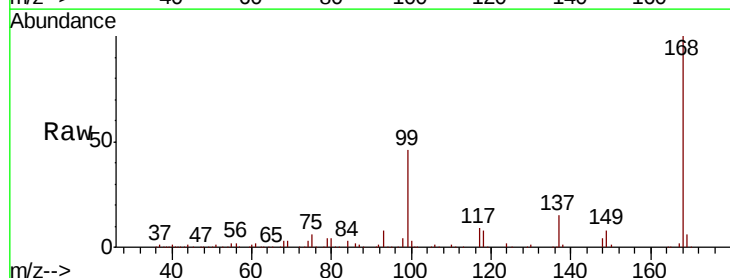


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

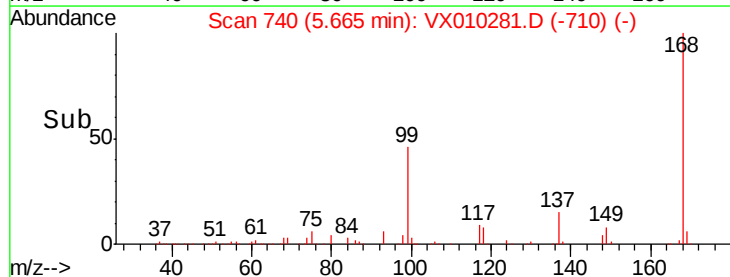
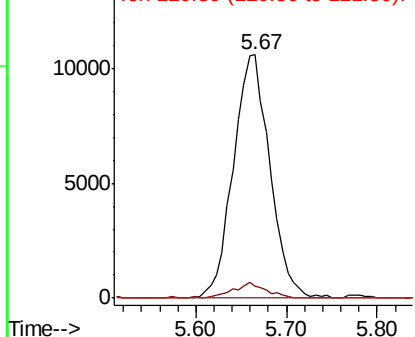


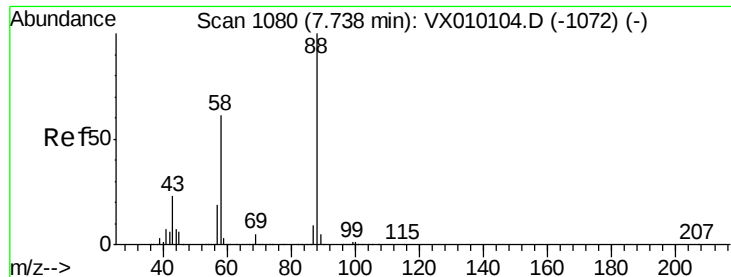
#38
 Carbon Tetrachloride
 Concen: 6.219 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010281.D
 Acq: 13 Jun 2019 18:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	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

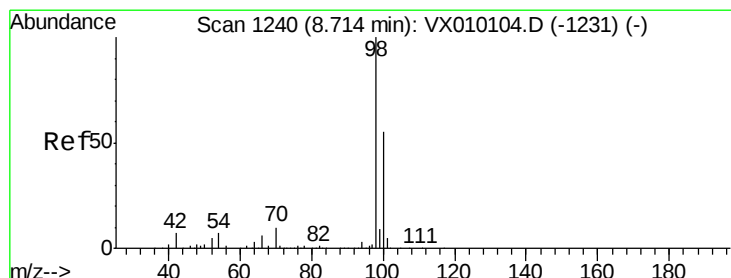
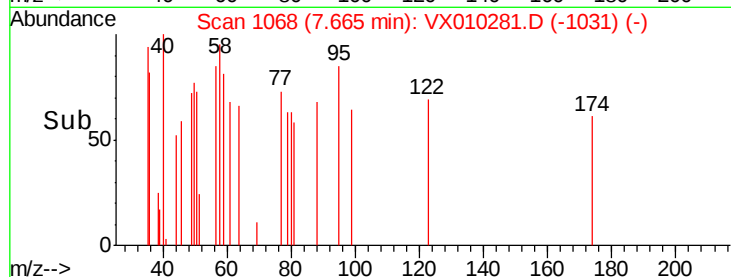
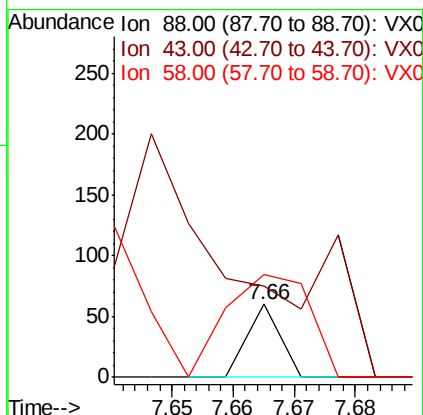
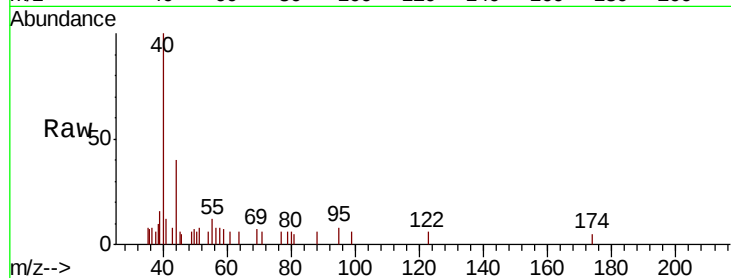




#49
1,4-Dioxane
Concen: 0.225 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.07 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

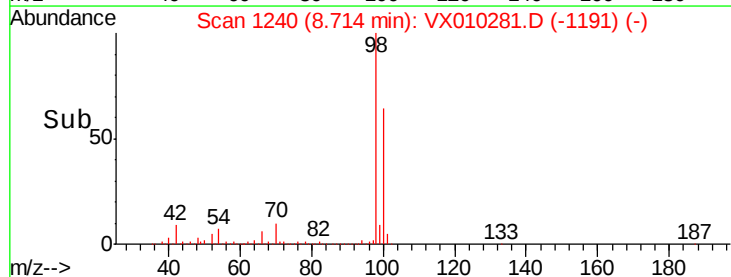
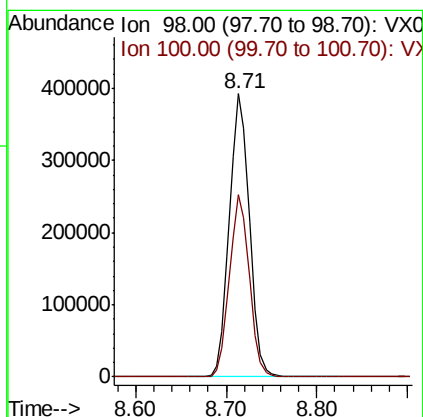
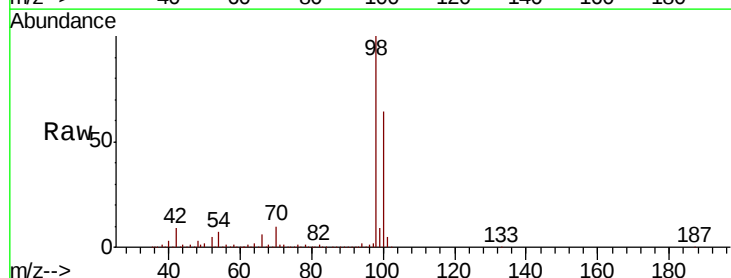
Instrument :
MSVOA_X
ClientSampled :

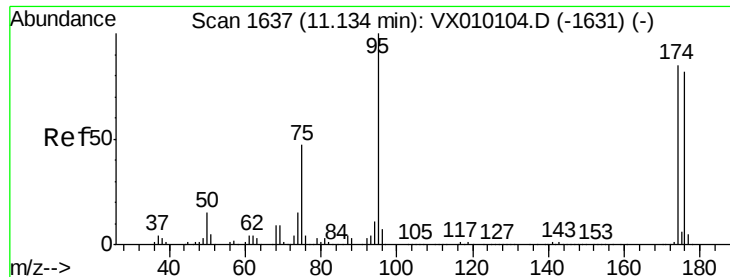
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 363.6 64.0 96.0#



#50
Toluene-d8
Concen: 50.685 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Tgt Ion: 98 Resp: 604297
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 45.737 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

ClientSampleId :

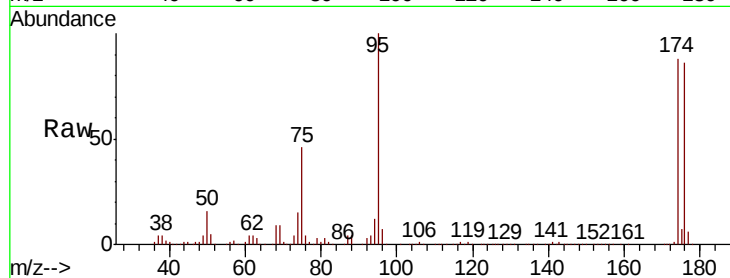
Tot Ion: 95 Resp: 203648

Ion Ratio Lower Upper

95 100

174 93.5 0.0 160.4

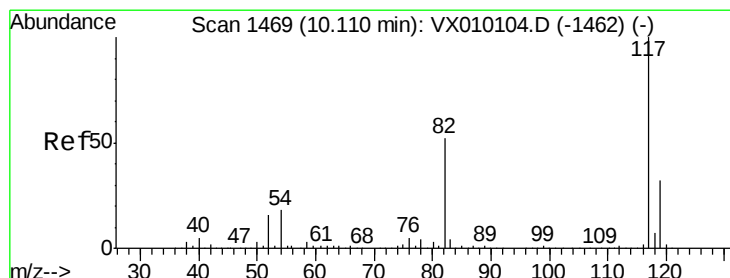
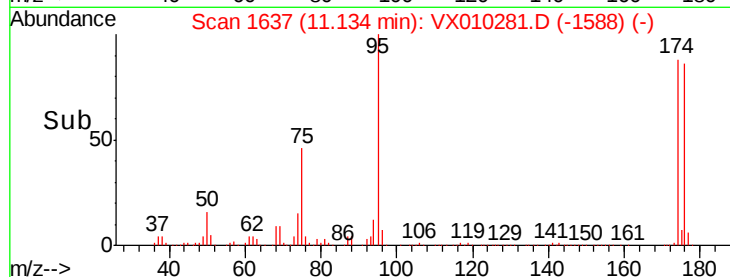
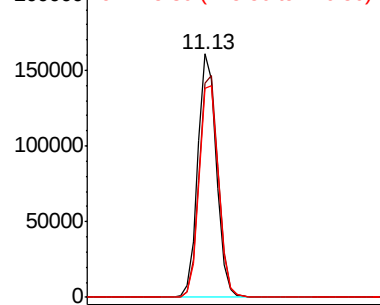
176 90.3 0.0 154.6



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: VX010281.D

Acq: 13 Jun 2019 18:32

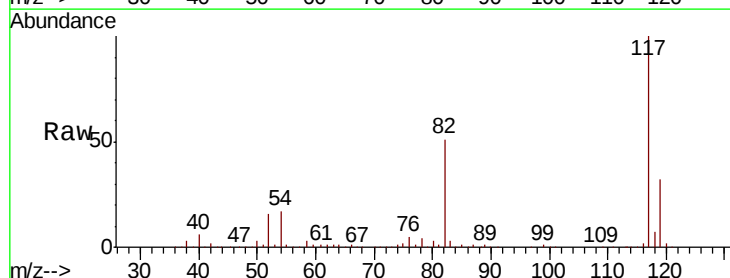
Tgt Ion: 117 Resp: 457001

Ion Ratio Lower Upper

117 100

82 51.4 49.2 73.8

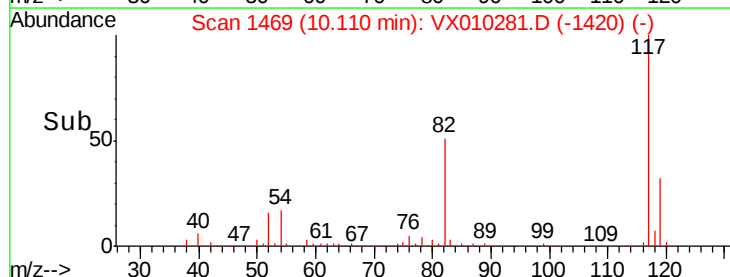
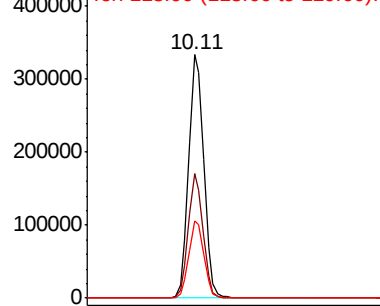
119 31.9 25.2 37.8

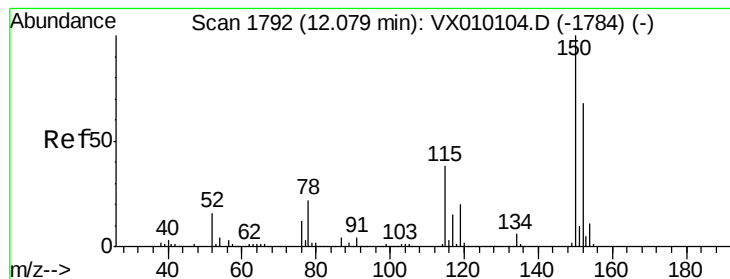


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



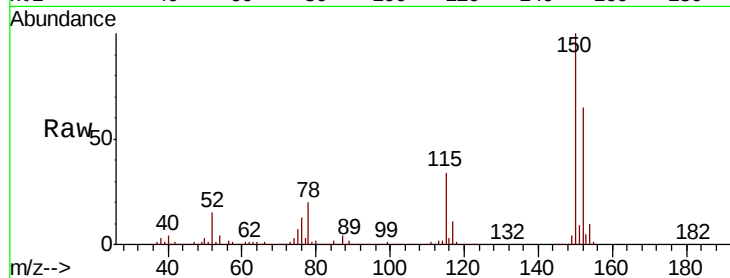


#72

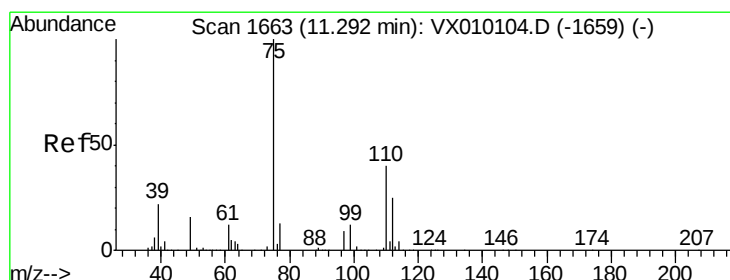
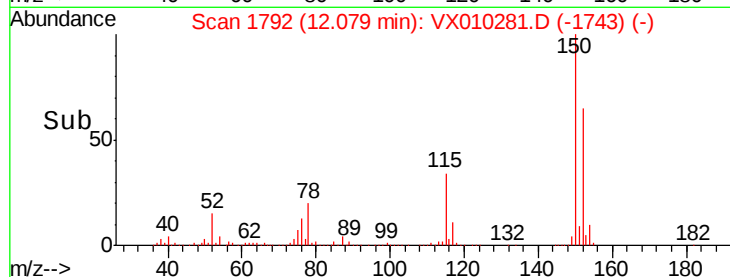
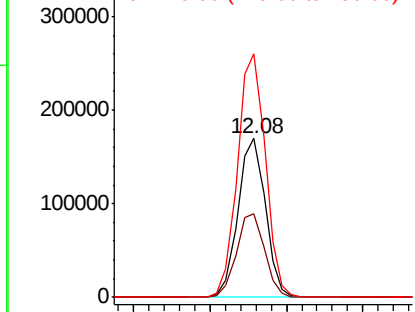
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 211334
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 155.8 0.0 345.2



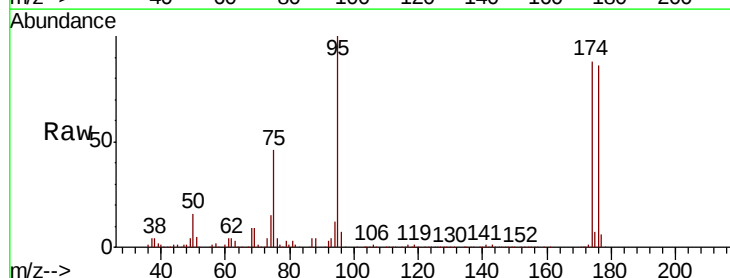
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



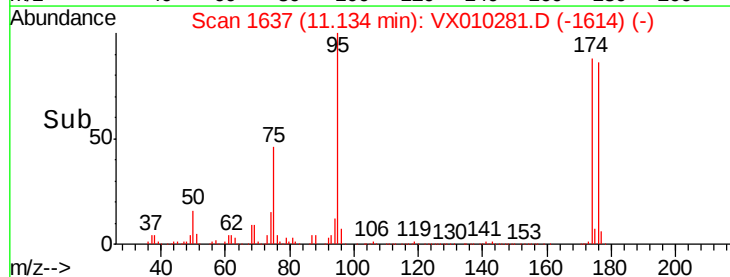
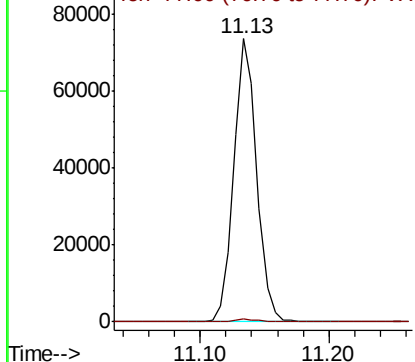
#76

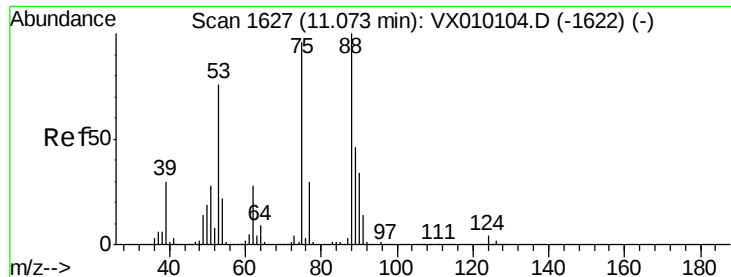
1,2,3-Trichloropropane
Concen: 21.644 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010281.D
Acq: 13 Jun 2019 18:32

Tgt Ion: 75 Resp: 91492
Ion Ratio Lower Upper
75 100
77 1.2 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: 47.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010281.D

Acq: 13 Jun 2019 18:32

Instrument :

MSVOA_X

ClientSampleId :

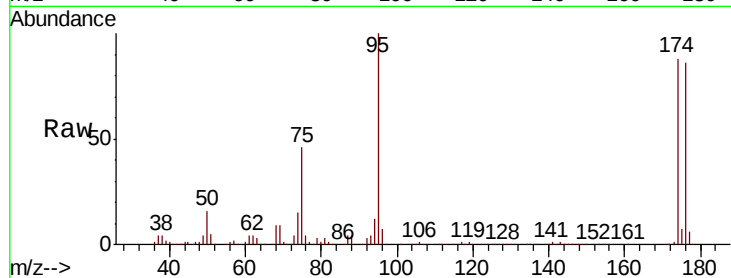
Tot Ion: 75 Resp: 91492

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.1 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

