

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060319\
 Data File : VX010046.D
 Acq On : 03 Jun 2019 19:08
 Operator : JC/SP
 Sample : K3165-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 04 03:42:25 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	173642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112473	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	113273	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
35) Dibromofluoromethane	5.50	113	84466	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	8.71	98	351985	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	118478	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

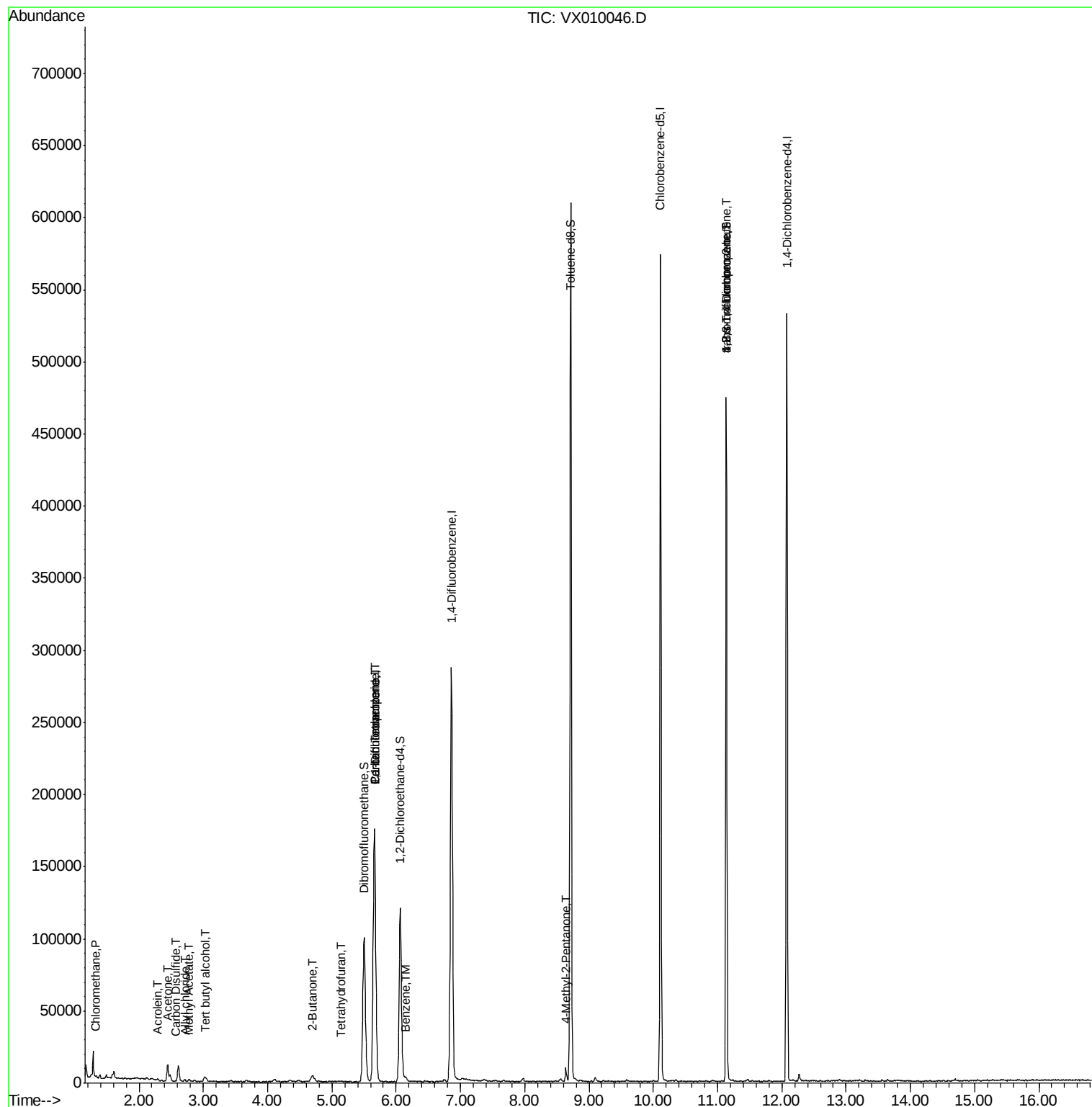
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	581	0.204	ug/l #	87
11) Tert butyl alcohol	3.04	59	3430	5.682	ug/l	99
13) Acrolein	2.29	56	244	21.619	ug/l	94
14) Allyl chloride	2.71	41	1444	0.338	ug/l #	58
16) Acetone	2.44	43	12735	8.986	ug/l	97
17) Carbon Disulfide	2.57	76	681	0.512	ug/l #	91
18) Methyl Acetate	2.78	43	2128	0.645	ug/l	99
25) 2-Butanone	4.70	43	1666	0.755	ug/l	96
29) Tetrahydrofuran	5.15	42	288	0.203	ug/l #	45
36) 1,1-Dichloropropene	5.67	75	13376	4.782	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15801	6.537	ug/l #	17
40) Benzene	6.15	78	2746	0.331	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	5702	1.394	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	60520	22.502	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60520	55.673	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: VX010046.D

Acq: 03 Jun 2019 19:08

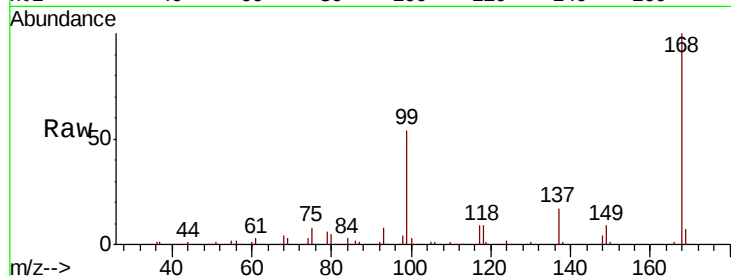
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 173642

Ion Ratio Lower Upper

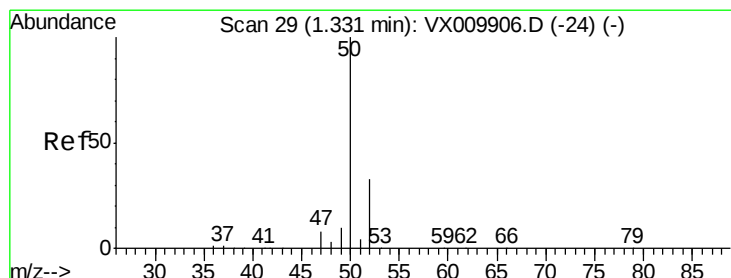
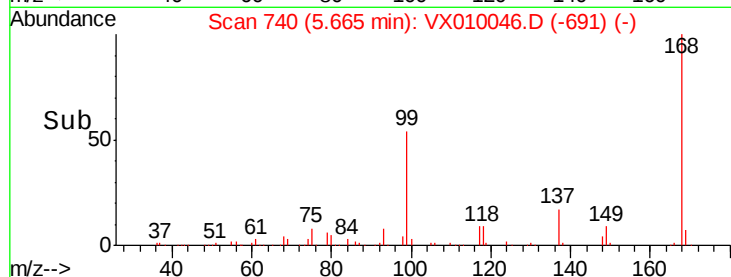
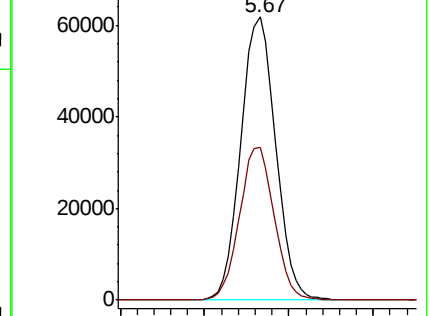
168 100

99 54.1 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: 0.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010046.D

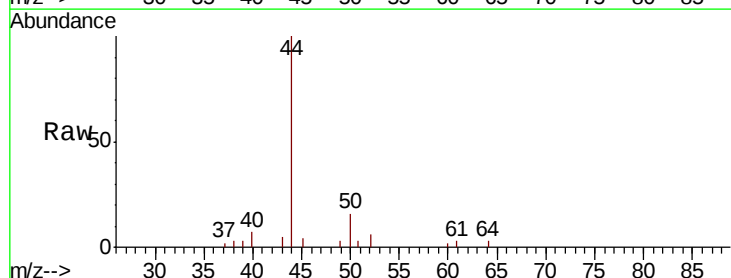
Acq: 03 Jun 2019 19:08

Tgt Ion: 50 Resp: 581

Ion Ratio Lower Upper

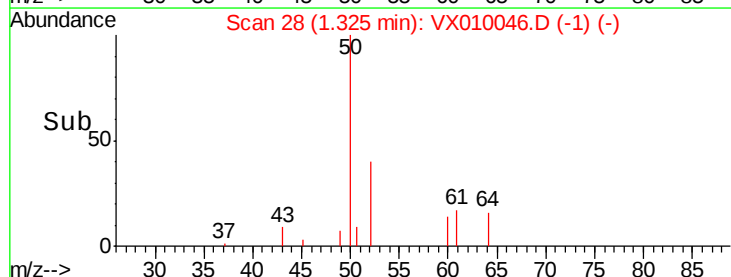
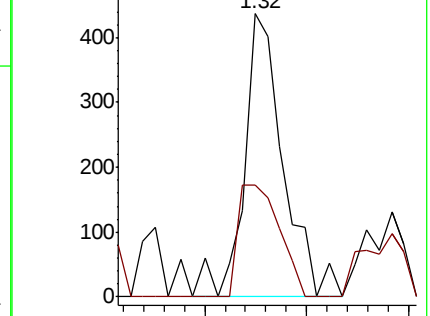
50 100

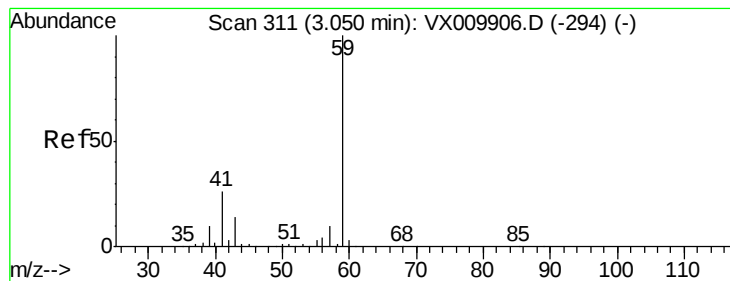
52 39.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



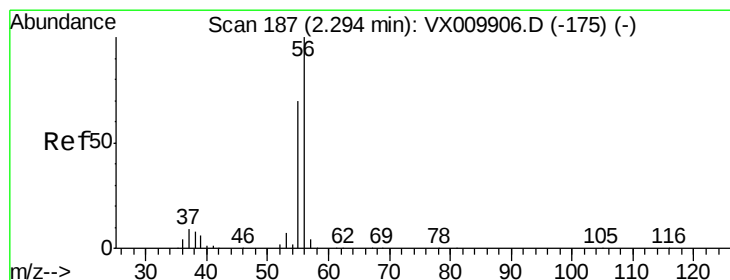
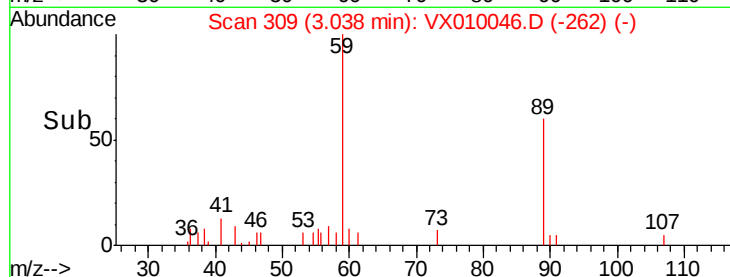
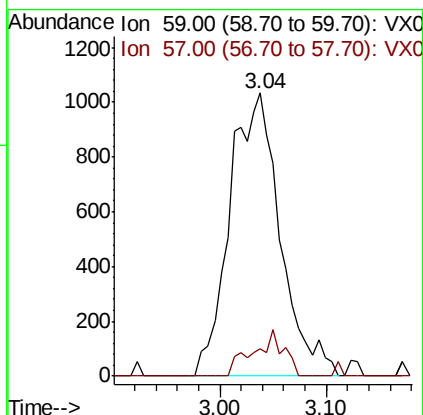
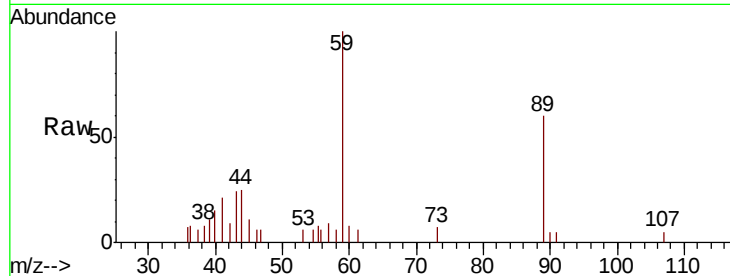


#11

Tert butyl alcohol
 Concen: 5.682 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX010046.D
 Acq: 03 Jun 2019 19:08

Instrument :
 MSVOA_X
 ClientSampleID :

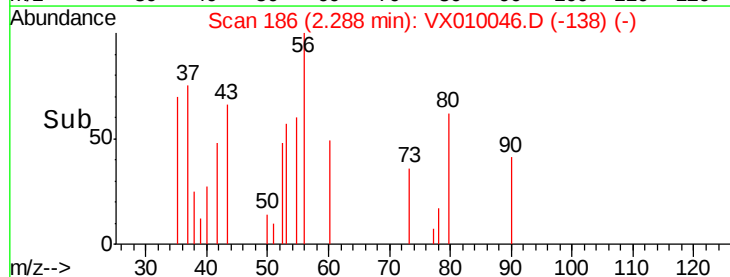
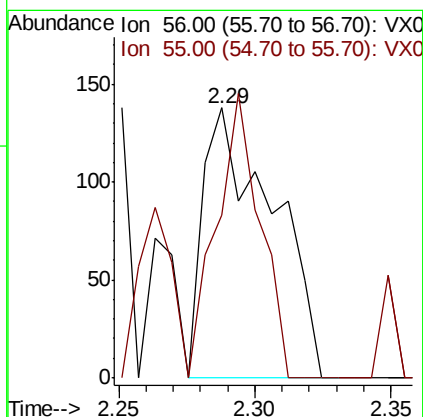
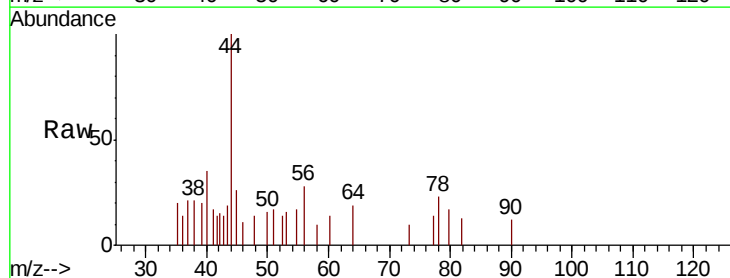
Tot Ion: 59 Resp: 3430
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

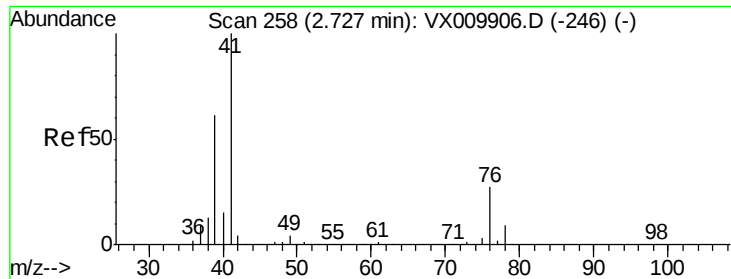


#13

Acrolein
 Concen: 21.619 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010046.D
 Acq: 03 Jun 2019 19:08

Tgt Ion: 56 Resp: 244
 Ion Ratio Lower Upper
 56 100
 55 66.0 57.0 85.4

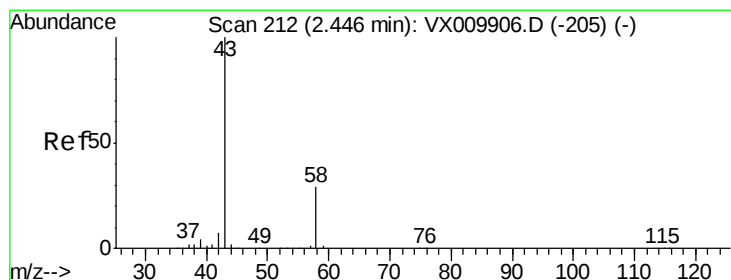
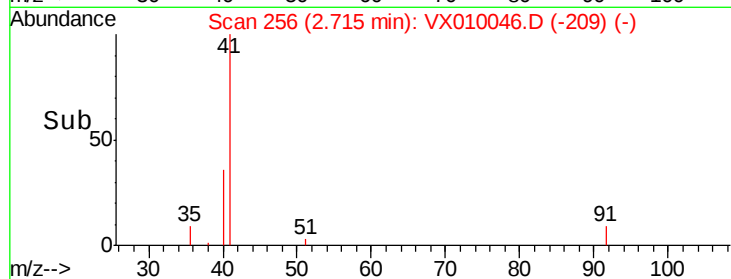
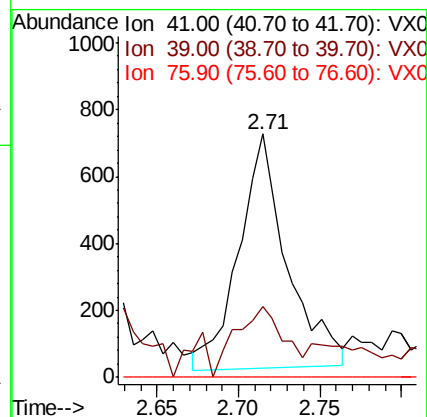
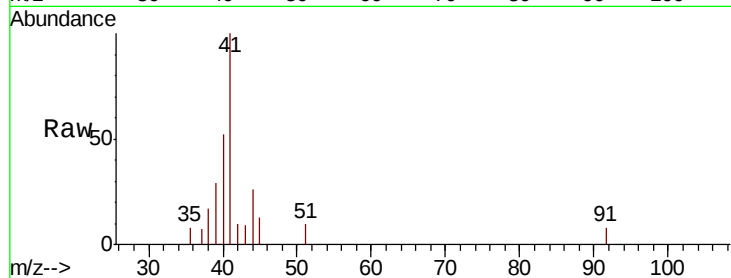




#14
Allvl chloride
Concen: 0.338 ug/l
RT: 2.71 min Scan# 256
Delta R.T. -0.01 min
Lab File: VX010046.D
Acq: 03 Jun 2019 19:08

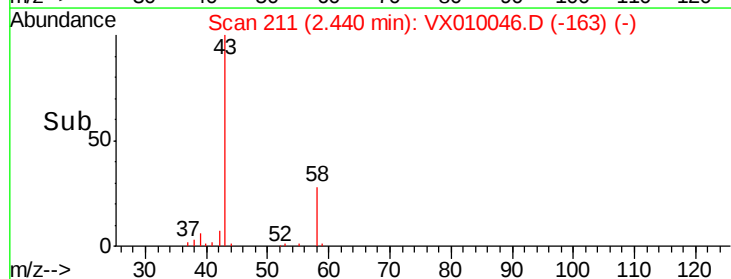
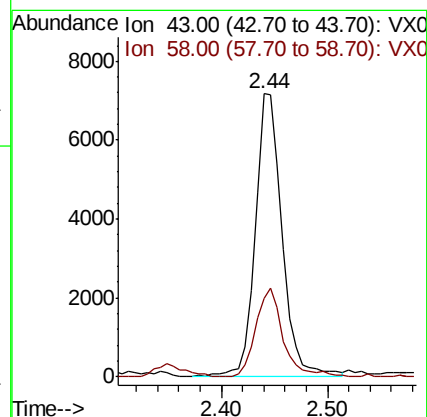
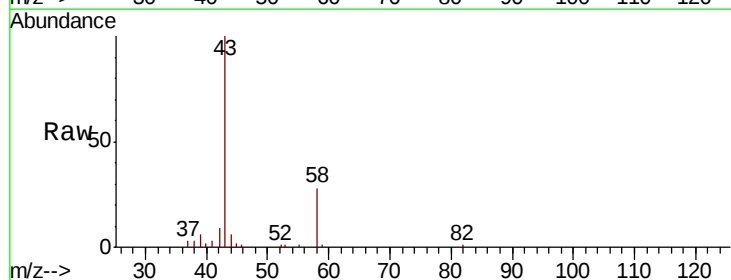
Instrument :
MSVOA_X
ClientSampled :

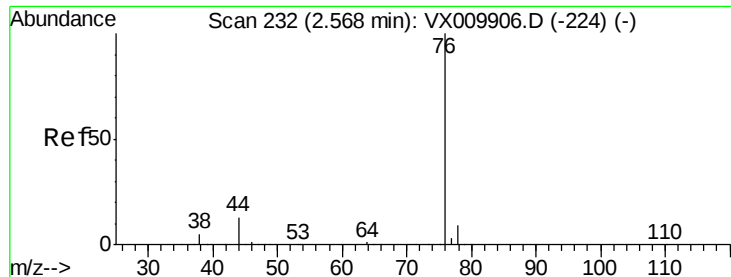
Tot Ion: 41 Resp: 1444
Ion Ratio Lower Upper
41 100
39 30.6 46.7 70.1#
76 0.0 21.0 31.4#



#16
Acetone
Concen: 8.986 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010046.D
Acq: 03 Jun 2019 19:08

Tgt Ion: 43 Resp: 12735
Ion Ratio Lower Upper
43 100
58 27.2 23.2 34.8





#17

Carbon Disulfide

Concen: 0.512 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

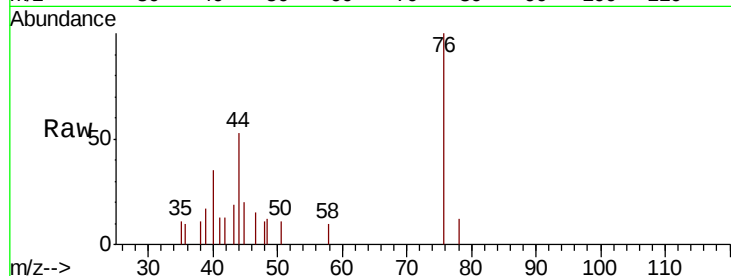
ClientSampleId :

Tot Ion: 76 Resp: 681

Ion Ratio Lower Upper

76 100

78 12.2 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

600

500

400

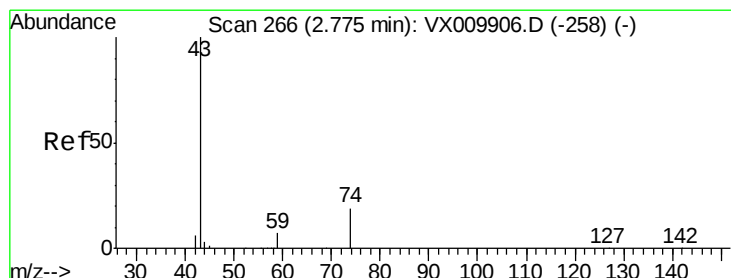
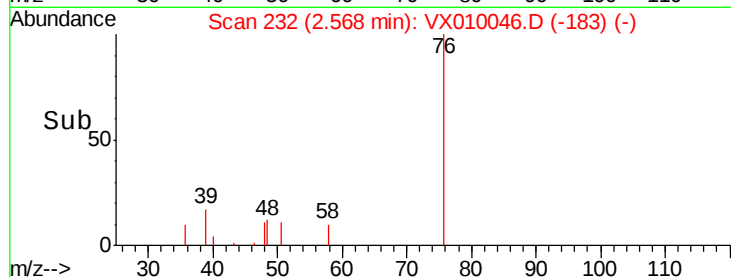
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.645 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010046.D

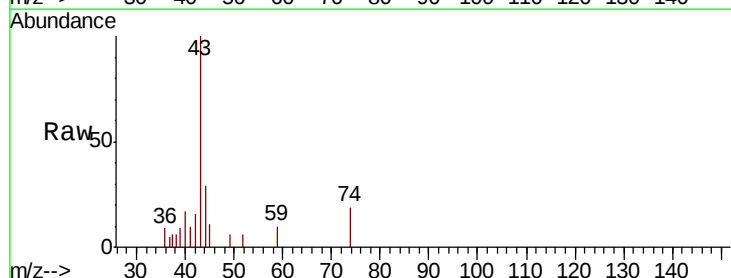
Acq: 03 Jun 2019 19:08

Tgt Ion: 43 Resp: 2128

Ion Ratio Lower Upper

43 100

74 20.3 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1200

1000

800

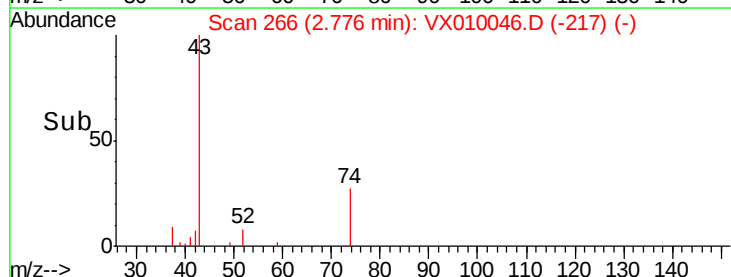
600

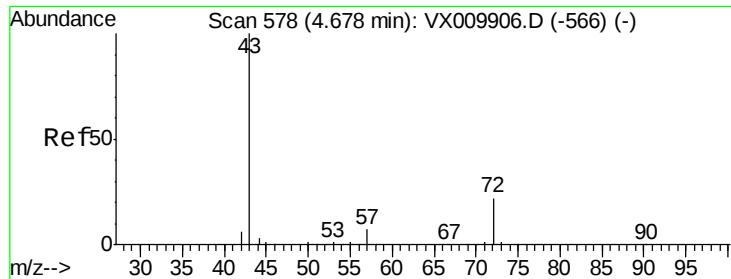
400

200

0

Time-->





#25

2-Butanone

Concen: 0.755 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

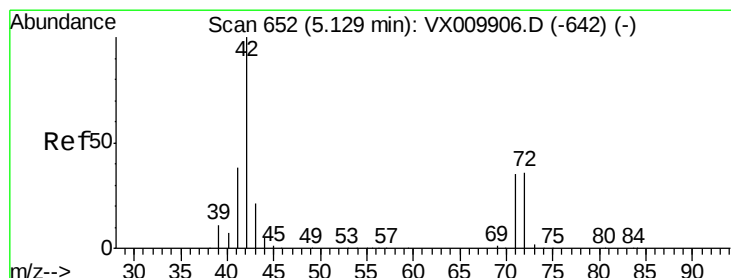
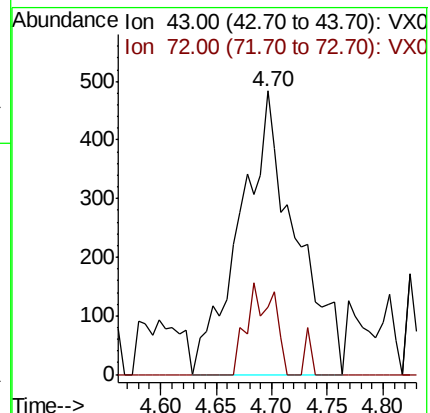
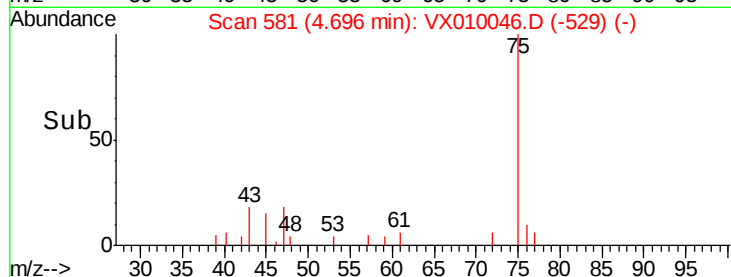
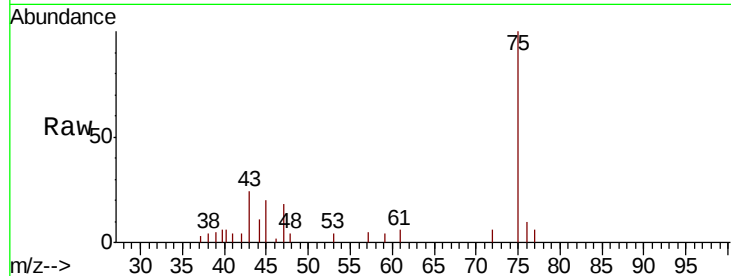
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1666

Ion Ratio Lower Upper

43 100

72 24.0 17.5 26.3



#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

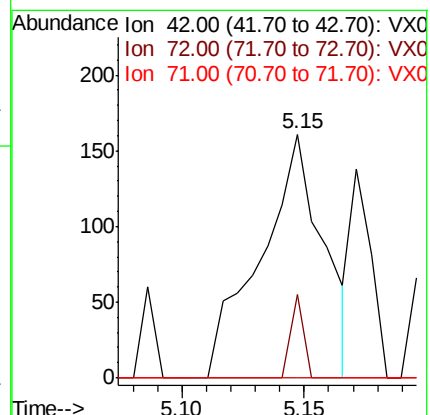
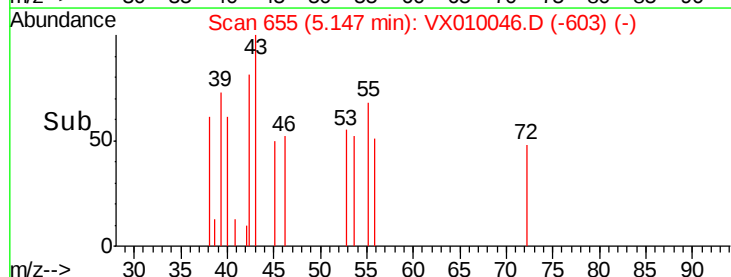
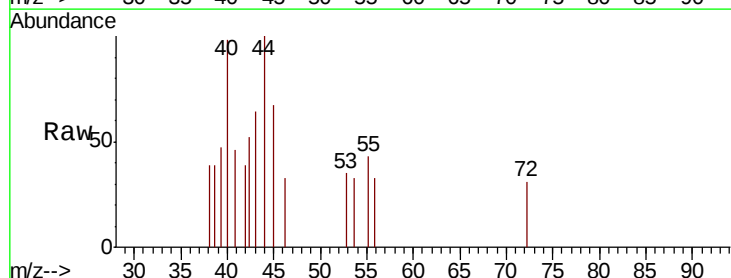
Tgt Ion: 42 Resp: 288

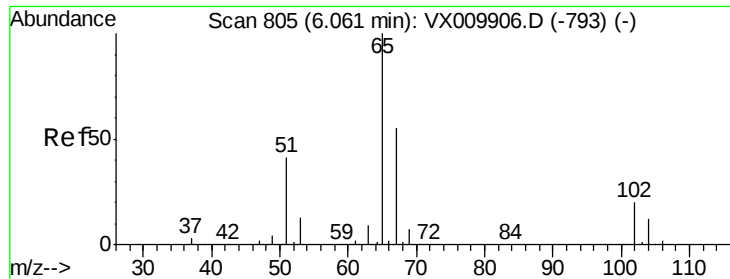
Ion Ratio Lower Upper

42 100

72 6.9 29.2 43.8#

71 0.0 27.6 41.4#

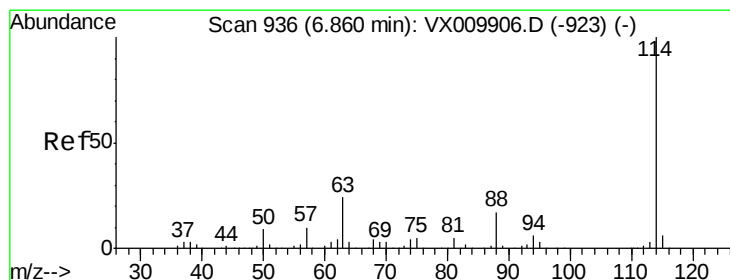
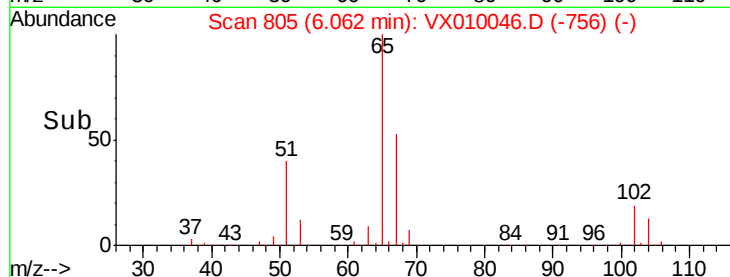
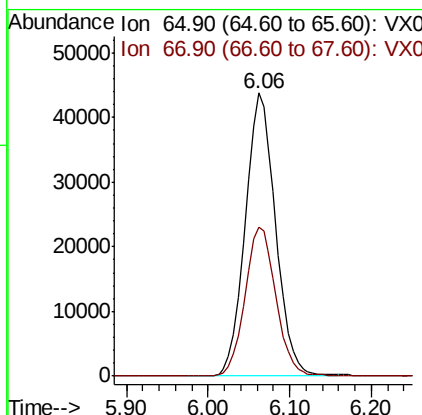
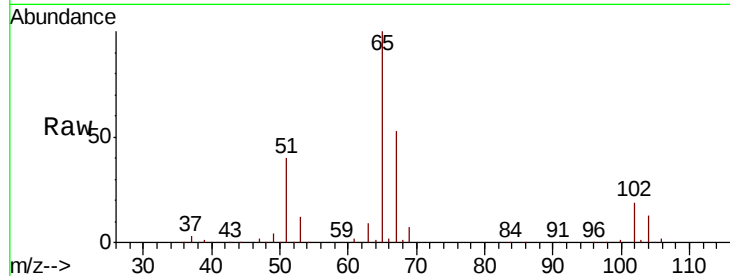




#33
 1,2-Dichloroethane-d4
 Concen: 46.180 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010046.D
 Acq: 03 Jun 2019 19:08

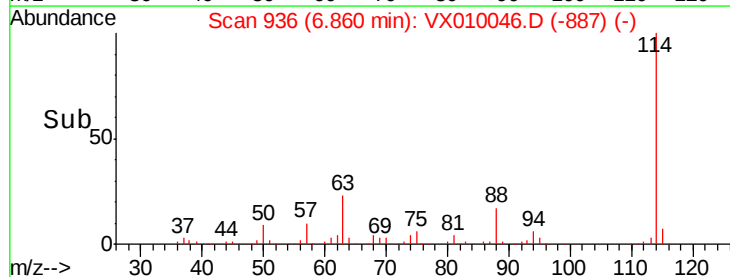
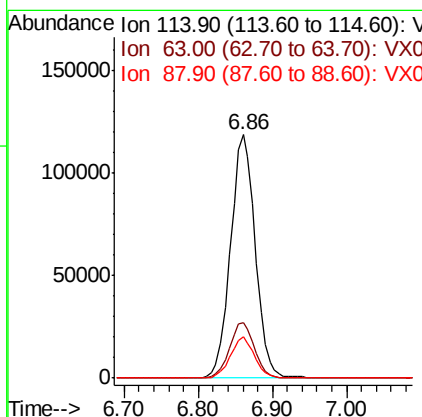
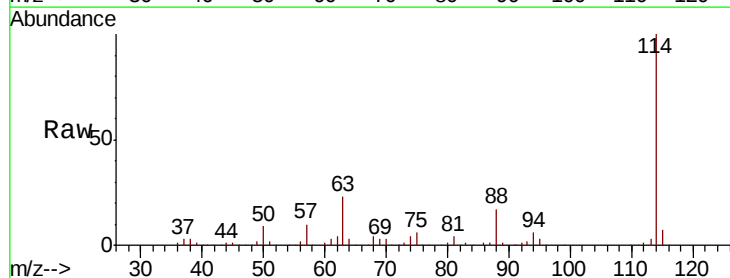
Instrument :
 MSVOA_X
 ClientSampleId :

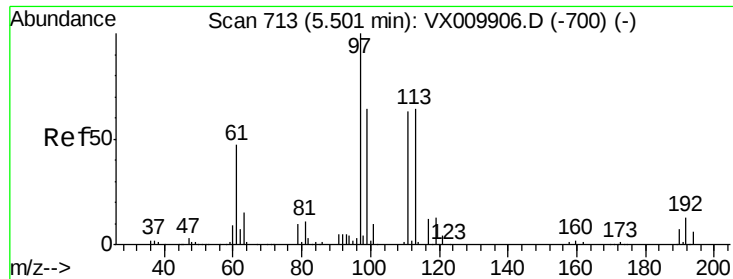
Tot Ion: 65 Resp: 113273
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010046.D
 Acq: 03 Jun 2019 19:08

Tgt Ion: 114 Resp: 275705
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.4
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

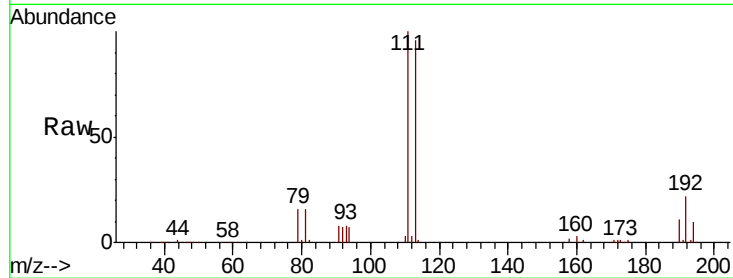
Tot Ion:113 Resp: 84466

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

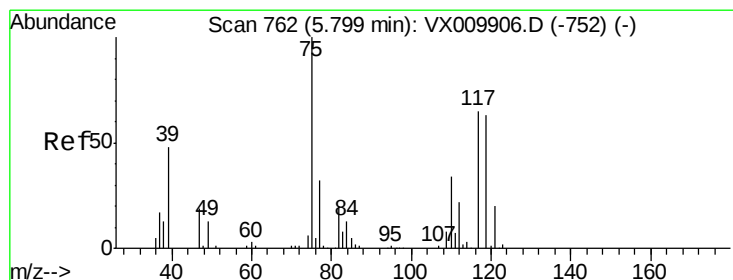
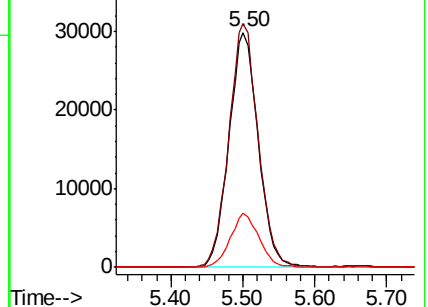
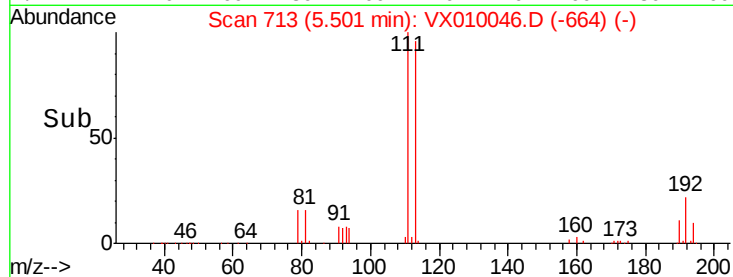
192 22.6 17.1 25.7



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: 4.782 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

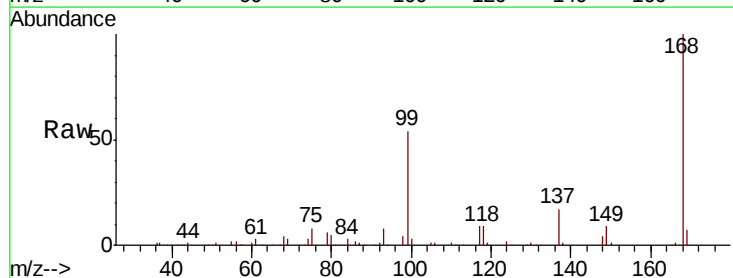
Tgt Ion: 75 Resp: 13376

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

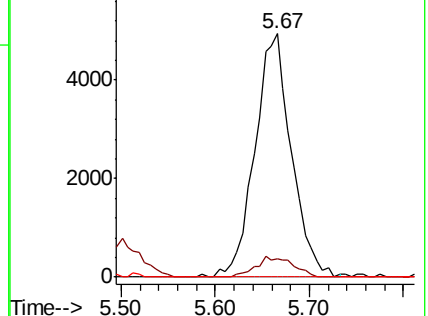
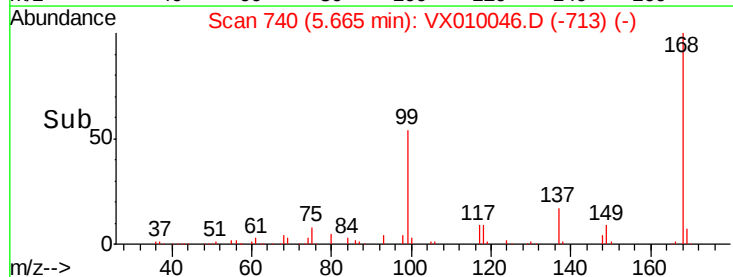
77 0.0 25.0 37.4#

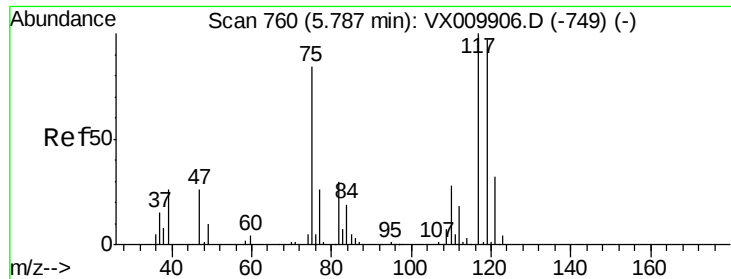


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

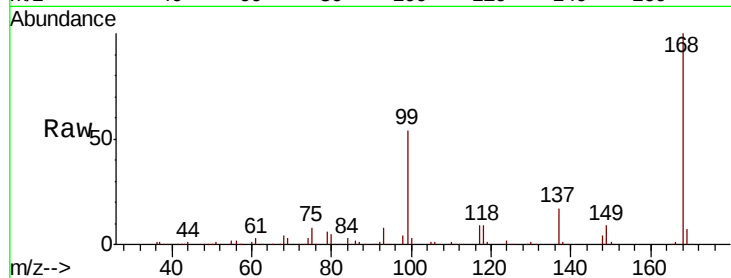




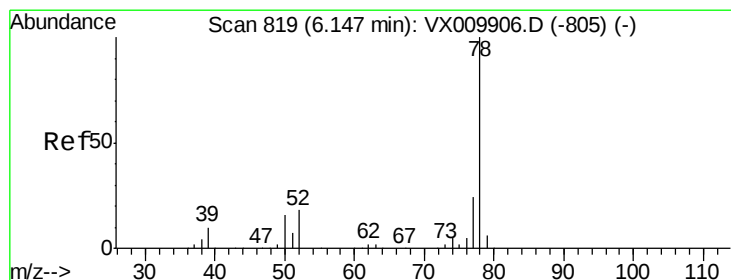
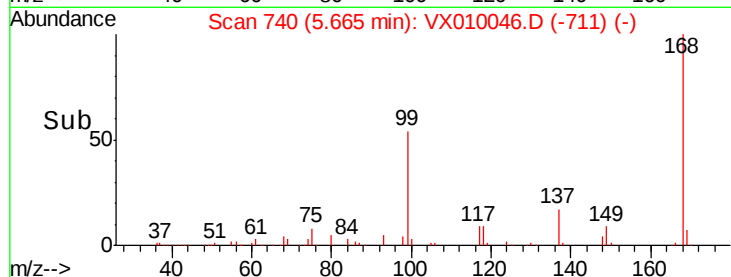
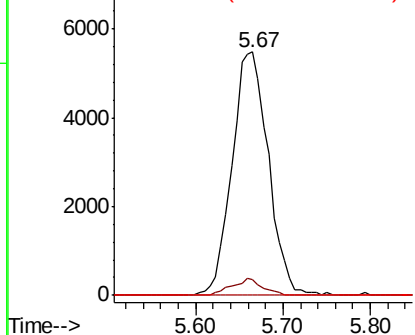
#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010046.D
Acq: 03 Jun 2019 19:08

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 15801
Ion Ratio Lower Upper
117 100
119 6.3 77.3 115.9#
121 0.0 25.4 38.0#

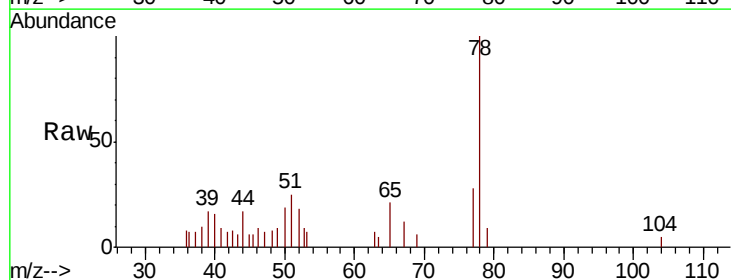


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

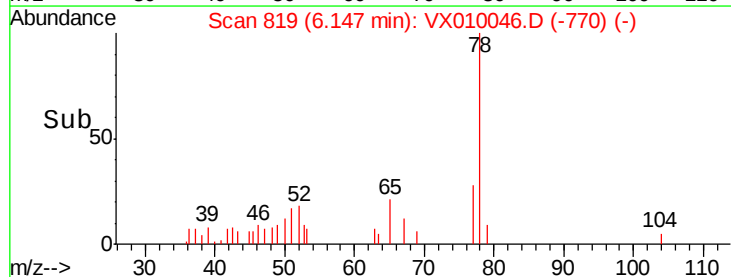
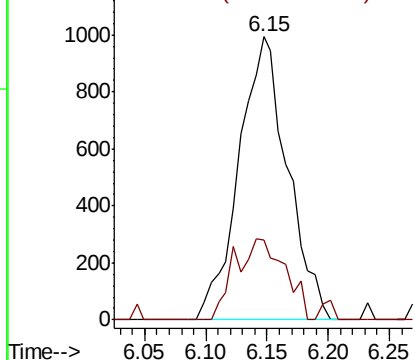


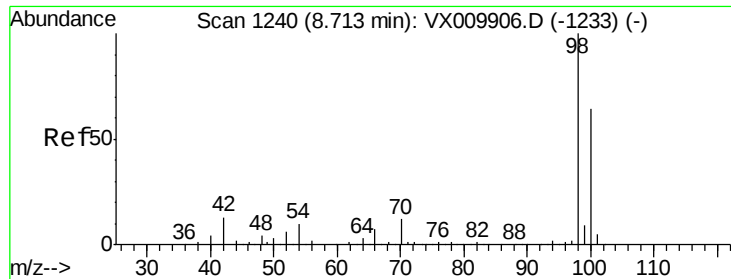
#40
Benzene
Concen: 0.331 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX010046.D
Acq: 03 Jun 2019 19:08

Tgt Ion: 78 Resp: 2746
Ion Ratio Lower Upper
78 100
77 28.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 50.006 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

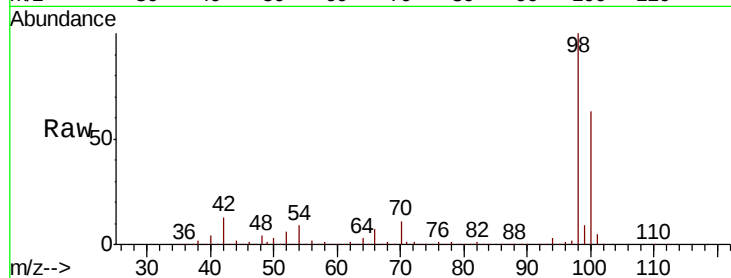
ClientSampled :

Tot Ion: 98 Resp: 351985

Ion Ratio Lower Upper

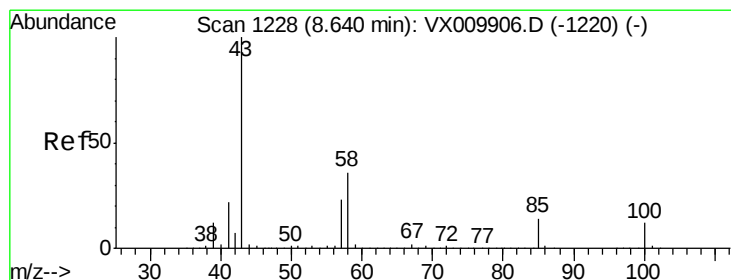
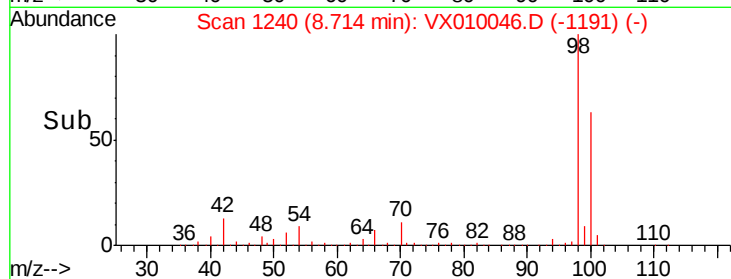
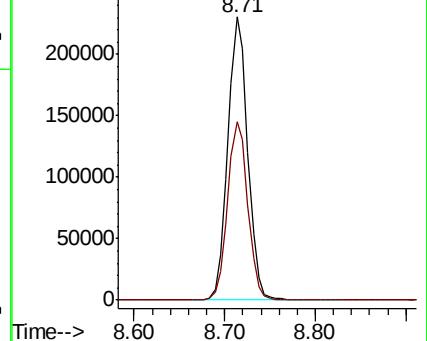
98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 1.394 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010046.D

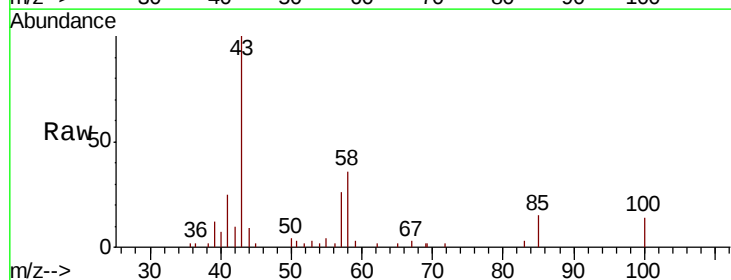
Acq: 03 Jun 2019 19:08

Tgt Ion: 43 Resp: 5702

Ion Ratio Lower Upper

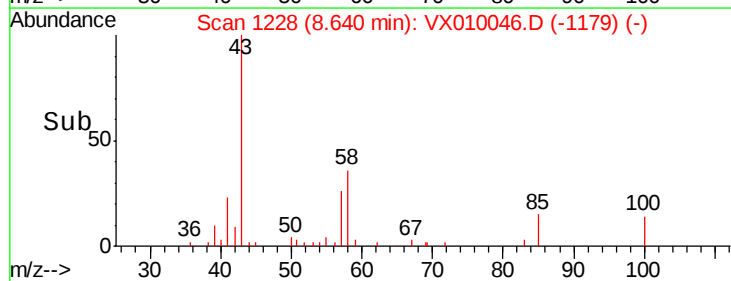
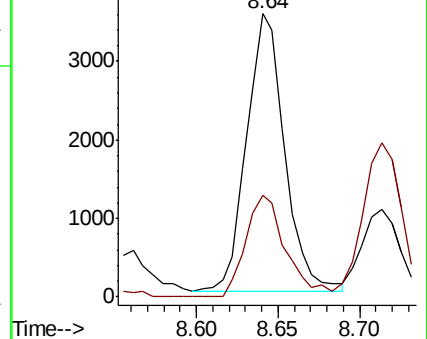
43 100

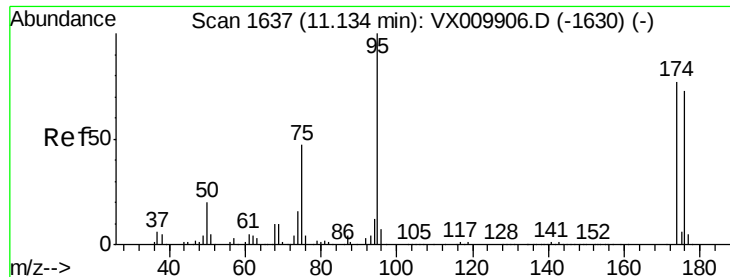
58 38.7 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.862 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

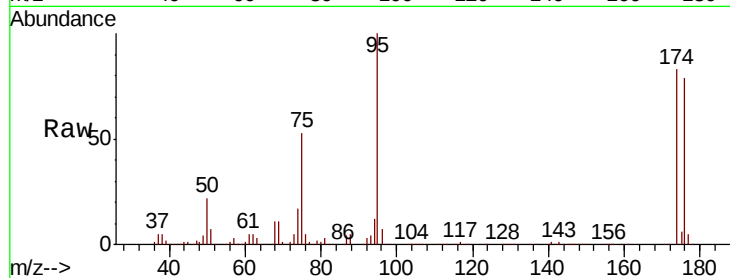
Tot Ion: 95 Resp: 118478

Ion Ratio Lower Upper

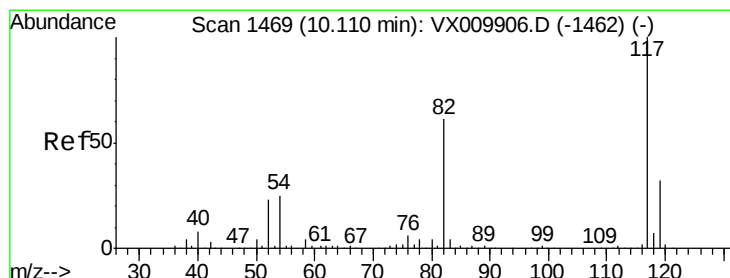
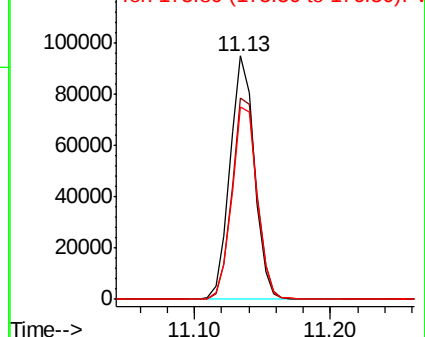
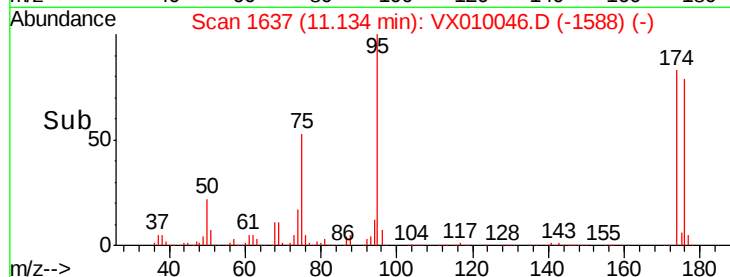
95 100

174 85.3 0.0 160.4

176 81.9 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: VX010046.D

Acq: 03 Jun 2019 19:08

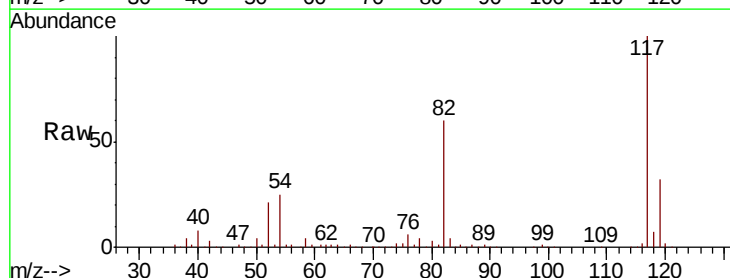
Tgt Ion: 117 Resp: 250530

Ion Ratio Lower Upper

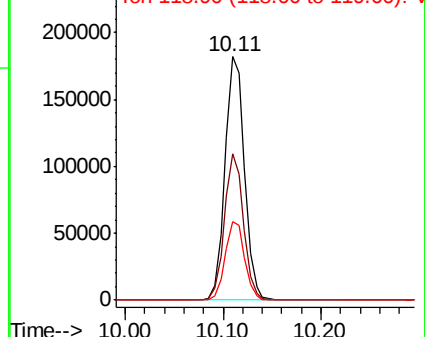
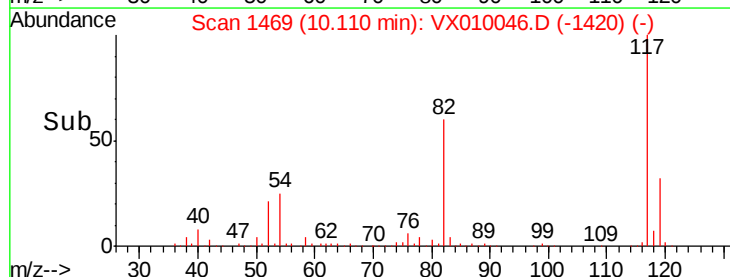
117 100

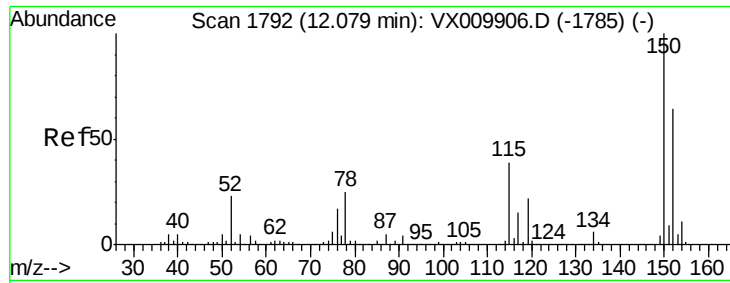
82 60.0 49.2 73.8

119 32.4 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: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

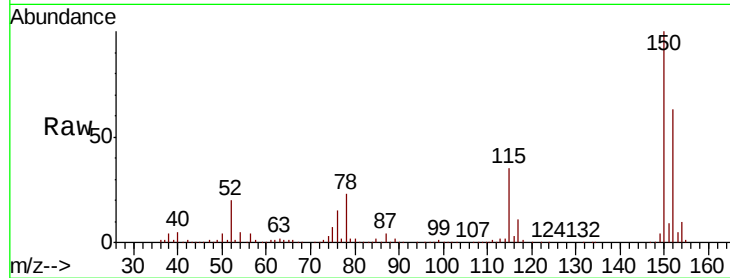
Tot Ion:152 Resp: 112473

Ion Ratio Lower Upper

152 100

115 58.4 41.4 124.2

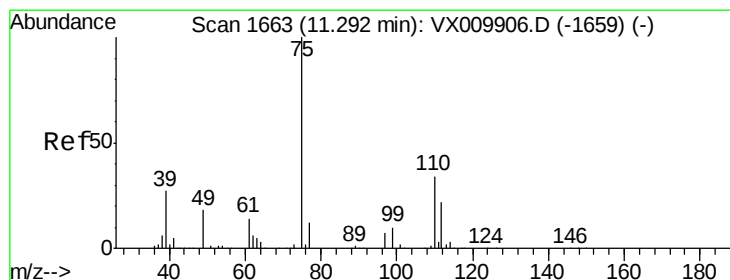
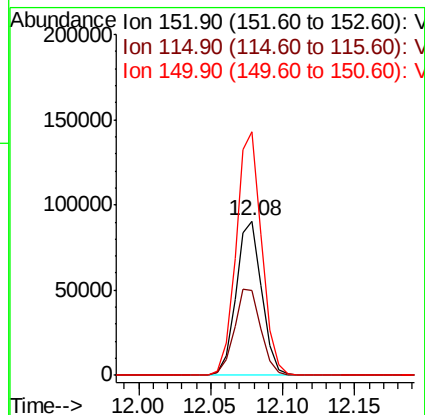
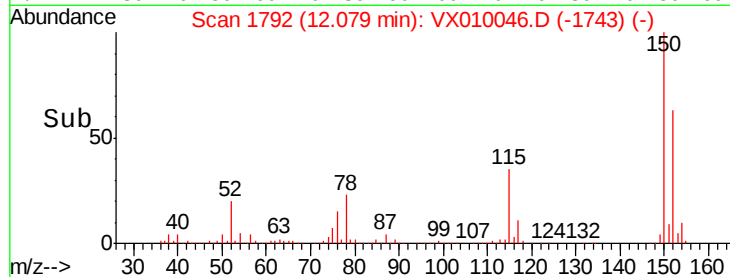
150 157.6 0.0 345.2



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: 22.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010046.D

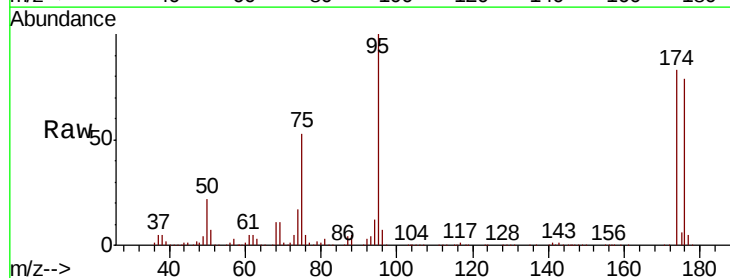
Acq: 03 Jun 2019 19:08

Tgt Ion: 75 Resp: 60520

Ion Ratio Lower Upper

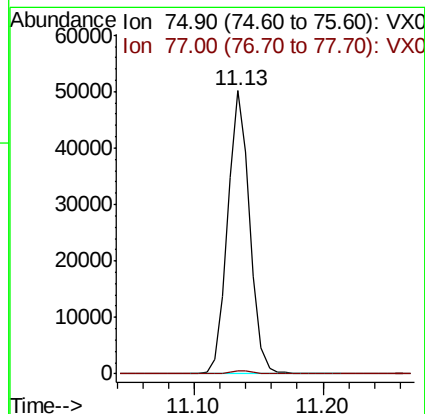
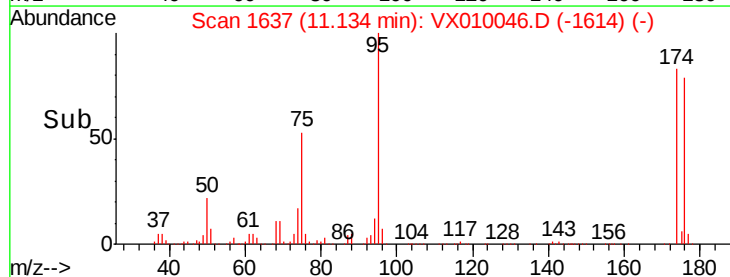
75 100

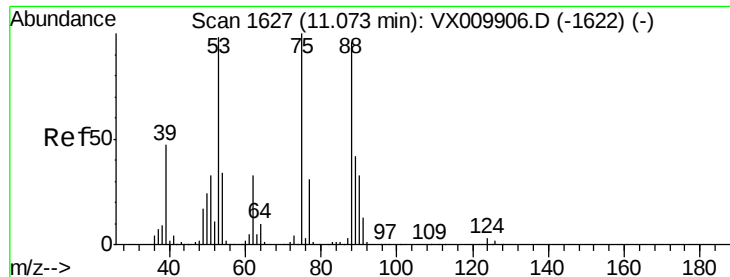
77 1.5 22.1 66.1#



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: 55.673 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010046.D

Acq: 03 Jun 2019 19:08

Instrument :

MSVOA_X

ClientSampleId :

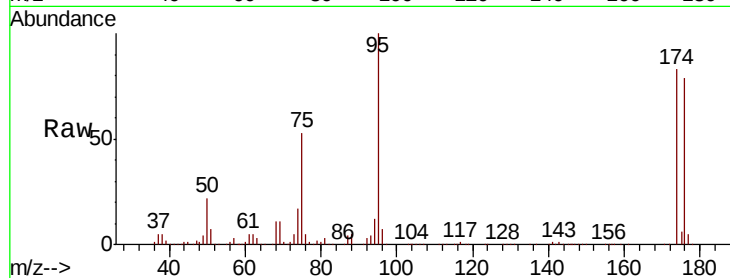
Tot Ion: 75 Resp: 60520

Ion Ratio Lower Upper

75 100

53 0.2 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

