

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061119\
 Data File : VX010219.D
 Acq On : 11 Jun 2019 10:01
 Operator : JC/SP
 Sample : VX0611MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611MBL01

Quant Time: Jun 12 07:46:26 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	260117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	386680	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160723	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	114317	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	
35) Dibromofluoromethane	5.49	113	120378	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	8.71	98	453674	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	152744	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	

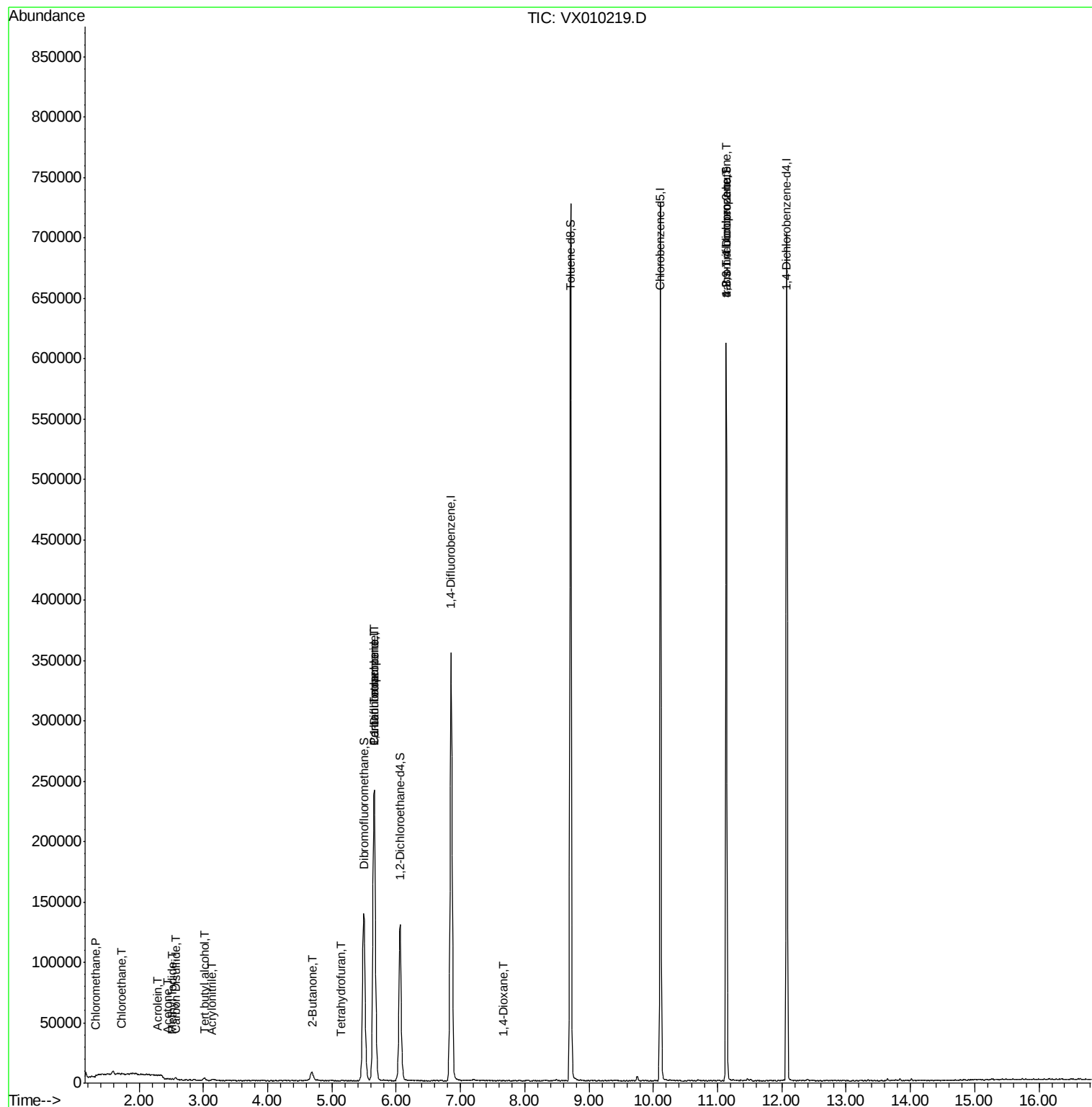
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	482	0.203	ug/l	91
6) Chloroethane	1.73	64	310	0.275	ug/l #	60
10) Methyl Iodide	2.51	142	835	0.236	ug/l #	90
11) Tert butyl alcohol	3.02	59	1229	1.976	ug/l #	87
13) Acrolein	2.29	56	136	1.199	ug/l	95
15) Acrylonitrile	3.14	53	364	0.286	ug/l	88
16) Acetone	2.45	43	451	0.378	ug/l #	1
17) Carbon Disulfide	2.57	76	2146	0.318	ug/l	99
25) 2-Butanone	4.68	43	367	0.206	ug/l #	54
29) Tetrahydrofuran	5.13	42	233	0.208	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	14934	4.734	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21967	6.152	ug/l #	16
49) 1,4-Dioxane	7.67	88	29	0.396	ug/l #	33
76) 1,2,3-Trichloropropane	11.13	75	69072	21.486	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	69072	47.471	ug/l #	10

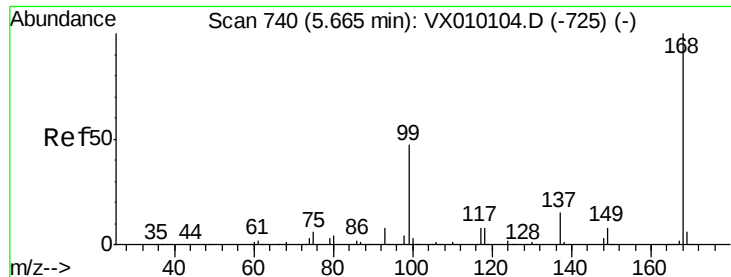
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061119\
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Instrument :
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ClientSampleId :
VX0611MBL01

Quant Time: Jun 12 07:46:26 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: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

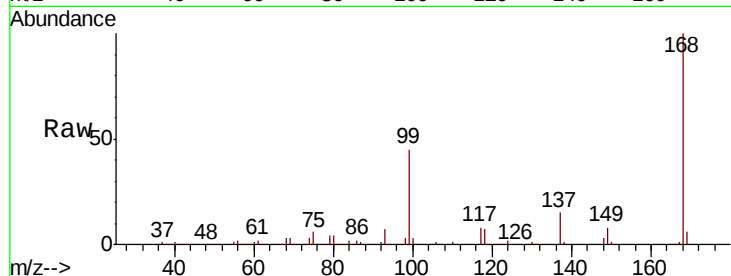
VX0611MBL01

Tot Ion:168 Resp: 260117

Ion Ratio Lower Upper

168 100

99 45.4 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

80000

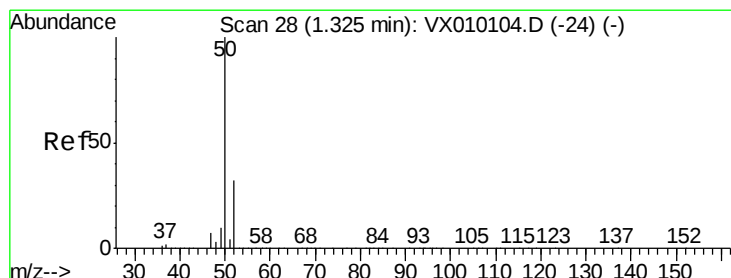
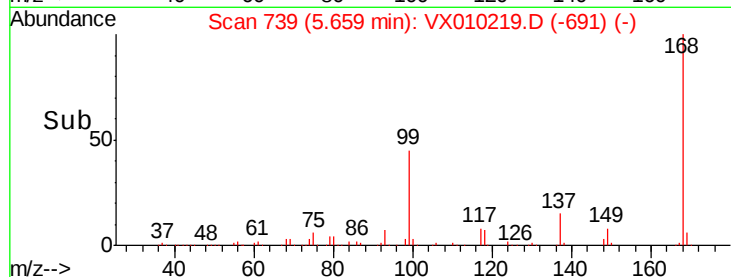
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010219.D

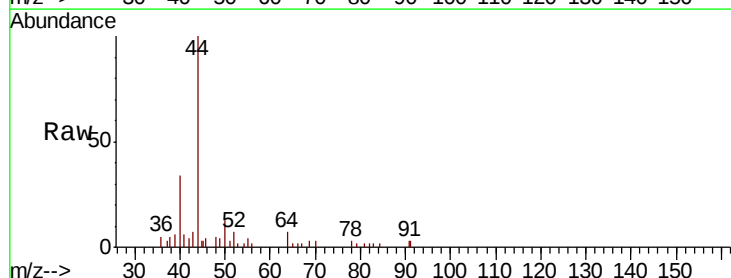
Acq: 11 Jun 2019 10:01

Tgt Ion: 50 Resp: 482

Ion Ratio Lower Upper

50 100

52 37.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

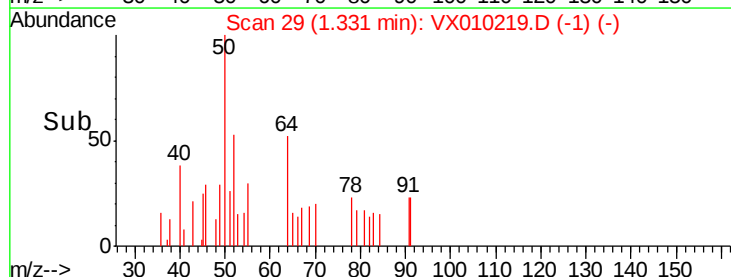
300

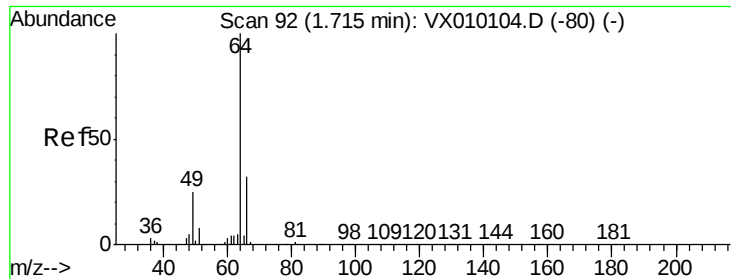
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.275 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

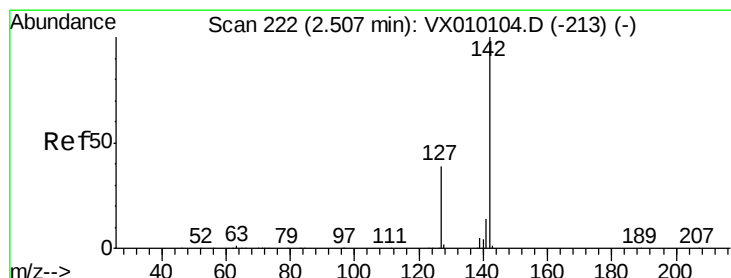
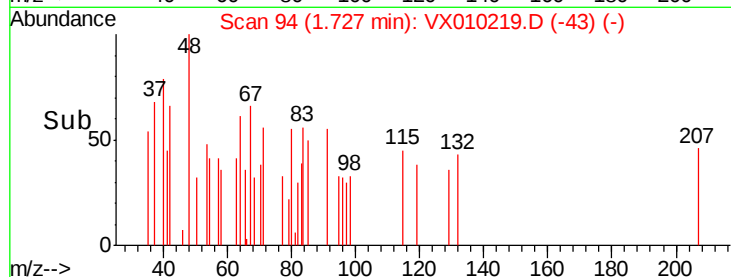
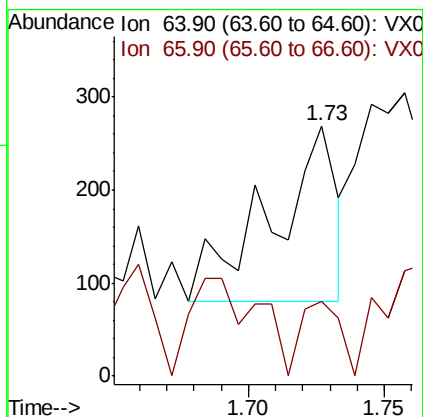
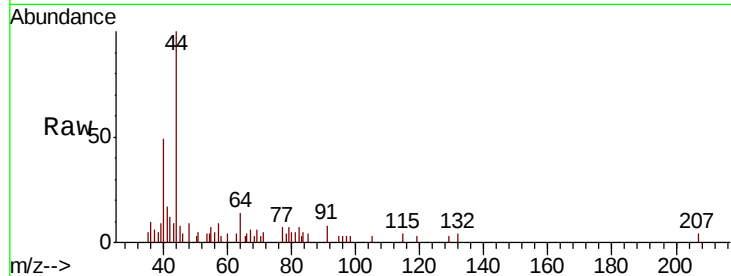
VX0611MBL01

Tot Ion: 64 Resp: 310

Ion Ratio Lower Upper

64 100

66 9.0 25.1 37.7#



#10

Methyl Iodide

Concen: 0.236 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

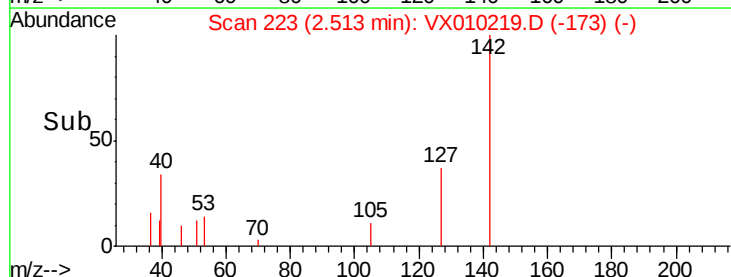
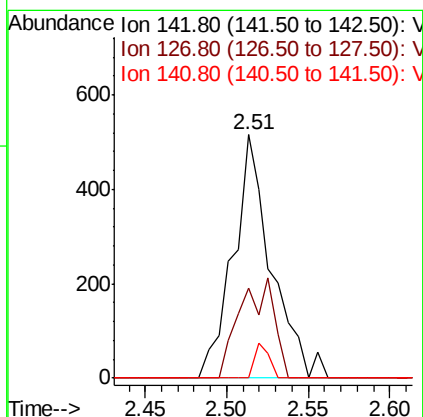
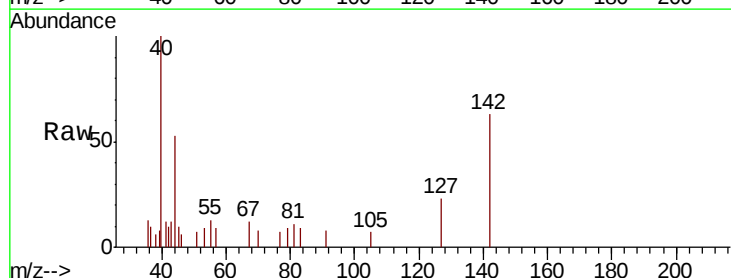
Tgt Ion: 142 Resp: 835

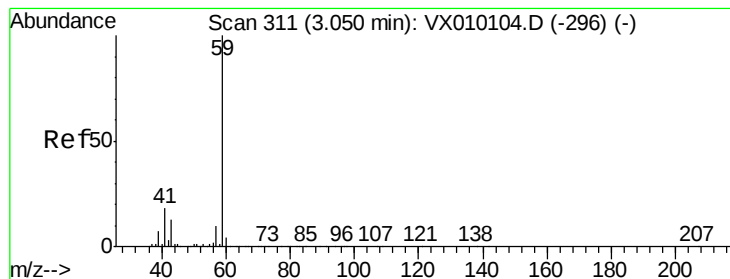
Ion Ratio Lower Upper

142 100

127 37.2 33.0 49.4

141 5.6 11.4 17.0#



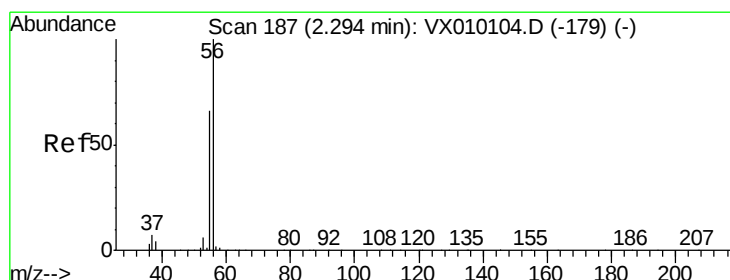
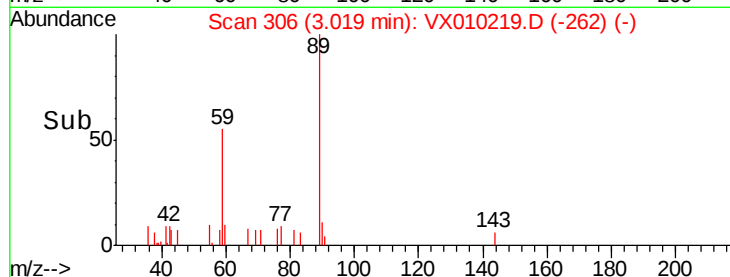
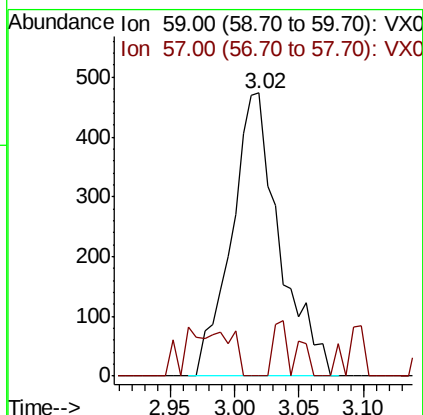
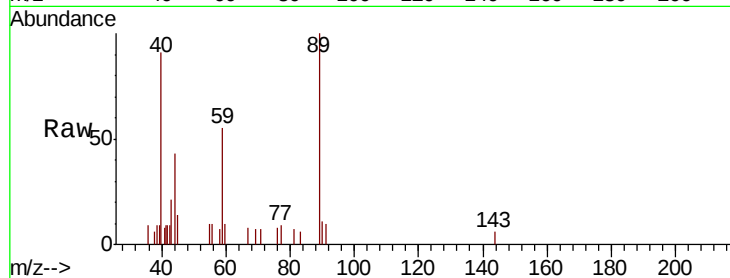


#11

Tert butyl alcohol
 Concen: 1.976 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010219.D
 Acq: 11 Jun 2019 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611MBL01

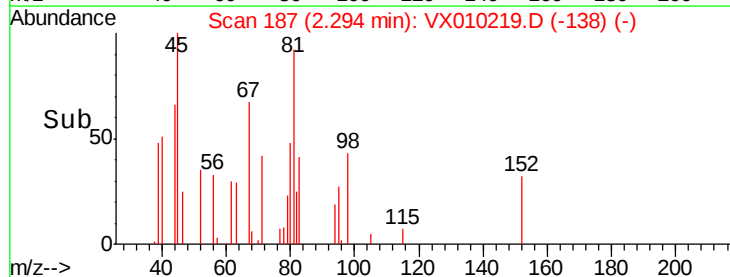
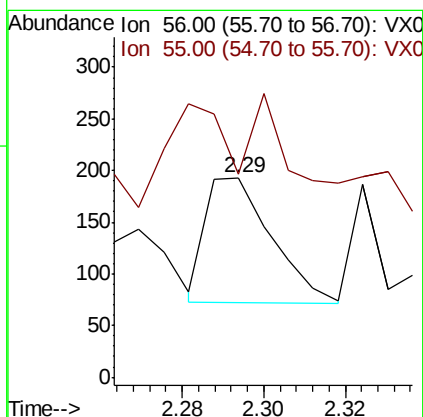
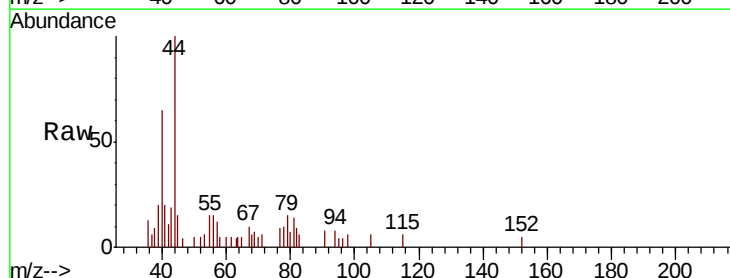
Tot Ion: 59 Resp: 1229
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.2 12.2#

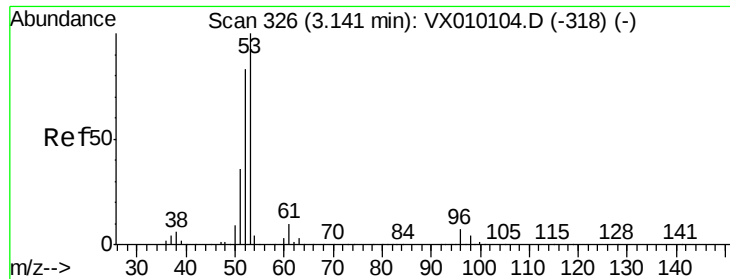


#13

Acrolein
 Concen: 1.199 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX010219.D
 Acq: 11 Jun 2019 10:01

Tgt Ion: 56 Resp: 136
 Ion Ratio Lower Upper
 56 100
 55 75.7 57.0 85.4





#15

Acrylonitrile

Concen: 0.286 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0611MBL01

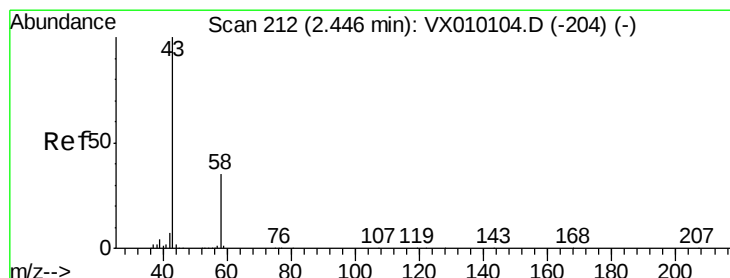
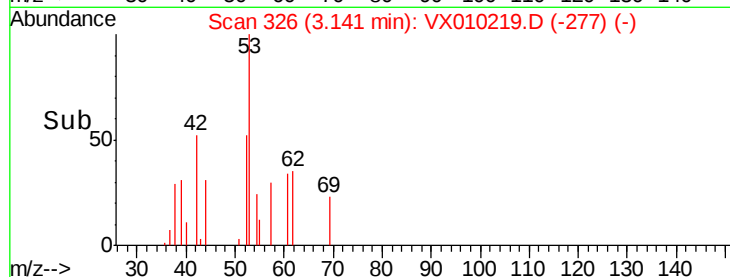
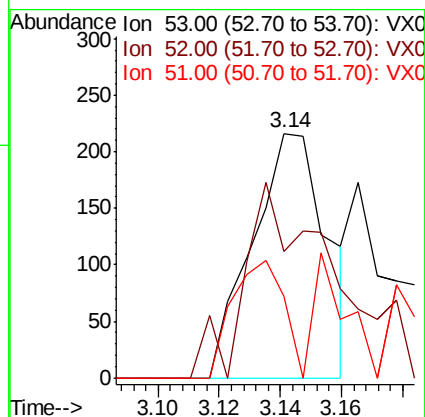
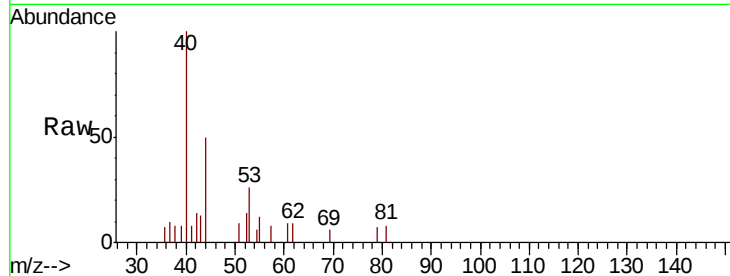
Tot Ion: 53 Resp: 364

Ion Ratio Lower Upper

53 100

52 96.7 66.7 100.1

51 33.2 28.8 43.2



#16

Acetone

Concen: 0.378 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010219.D

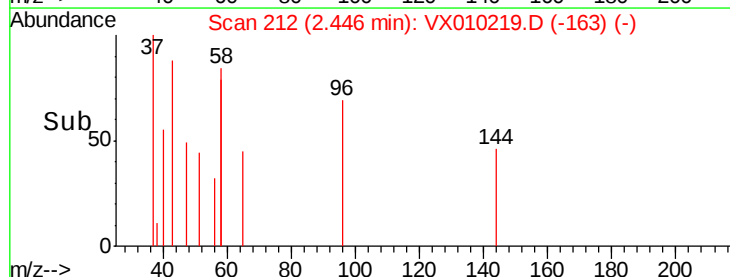
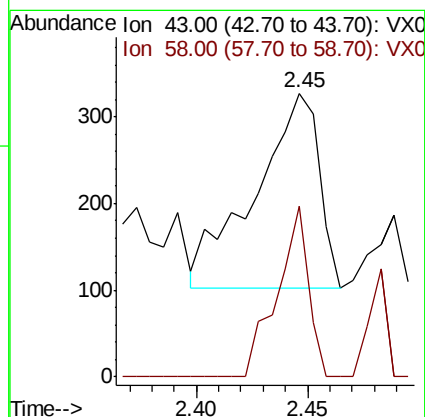
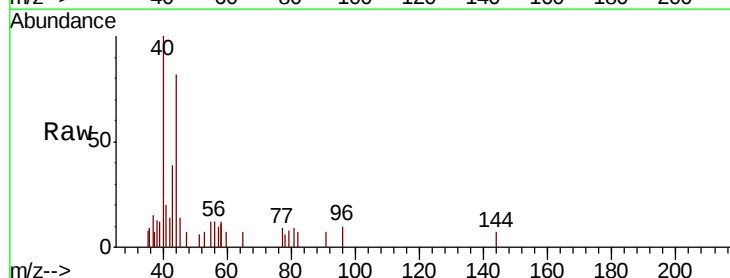
Acq: 11 Jun 2019 10:01

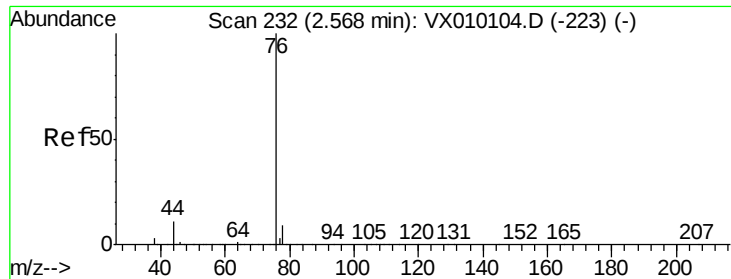
Tgt Ion: 43 Resp: 451

Ion Ratio Lower Upper

43 100

58 87.6 23.2 34.8#

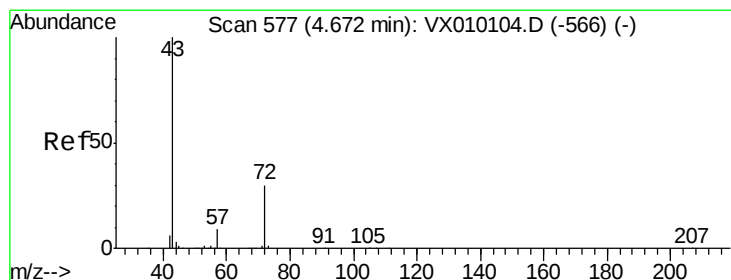
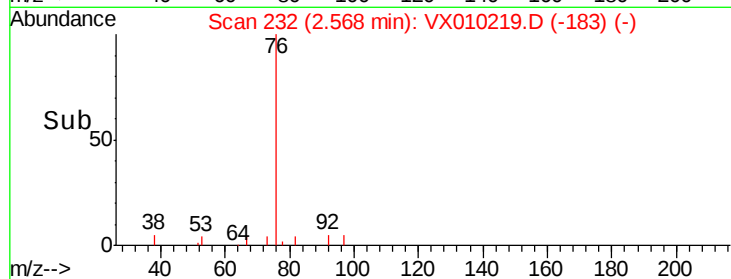
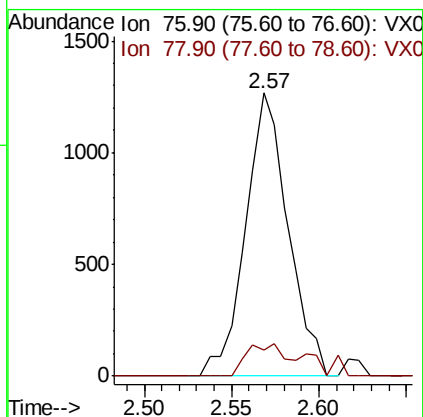
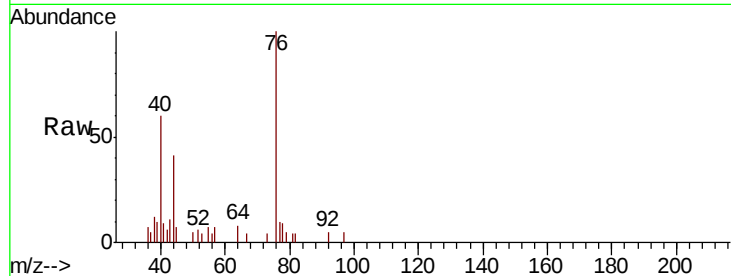




#17
Carbon Disulfide
Concen: 0.318 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010219.D
Acq: 11 Jun 2019 10:01

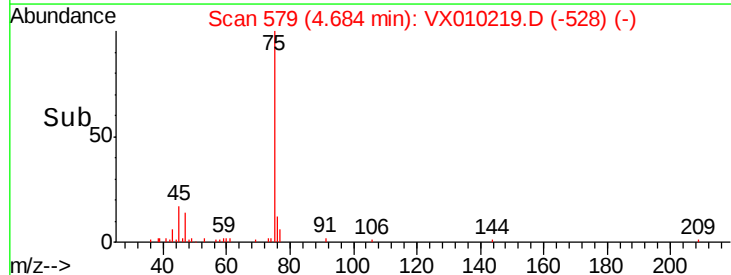
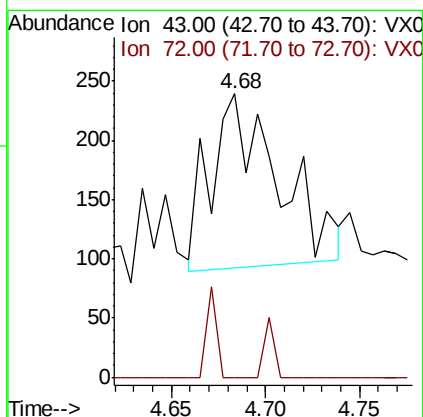
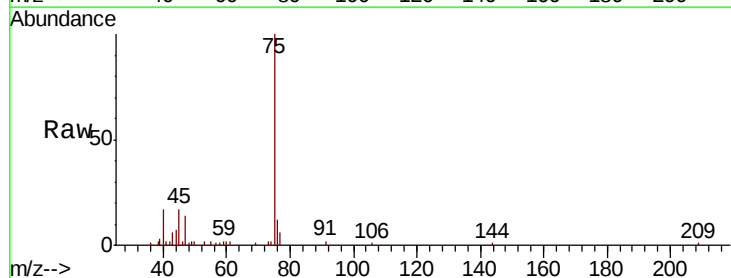
Instrument :
MSVOA_X
ClientSampleId :
VX0611MBL01

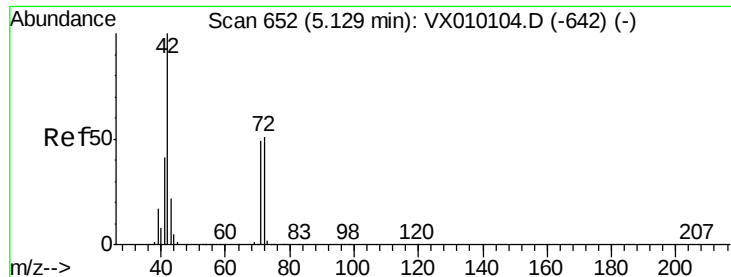
Tot Ion: 76 Resp: 2146
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010219.D
Acq: 11 Jun 2019 10:01

Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampled :

VX0611MBL01

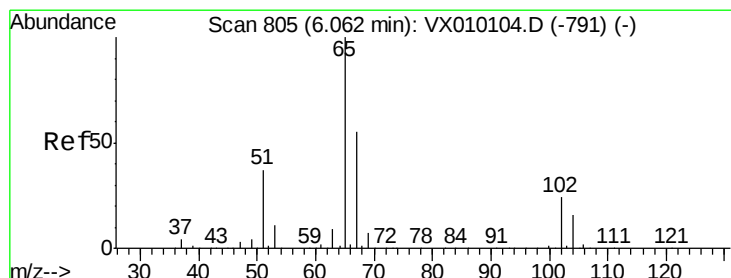
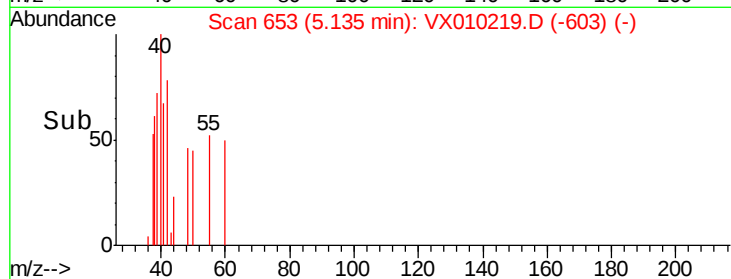
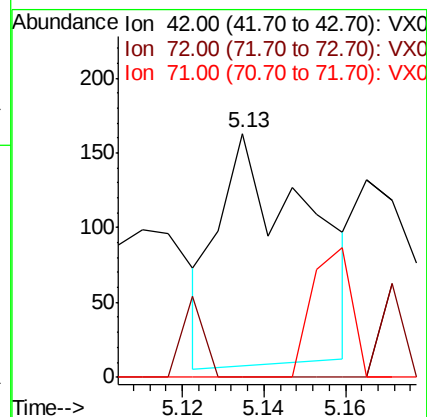
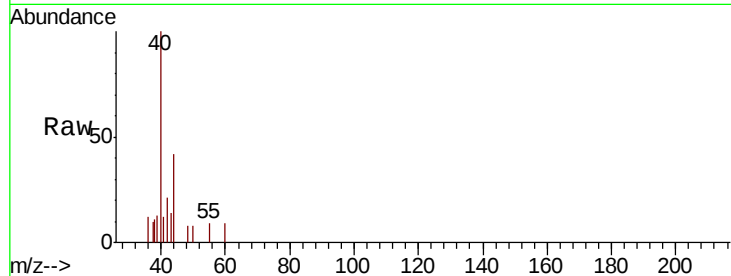
Tot Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

72 8.6 29.2 43.8#

71 0.0 27.6 41.4#



#33

1,2-Dichloroethane-d4

Concen: 45.024 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010219.D

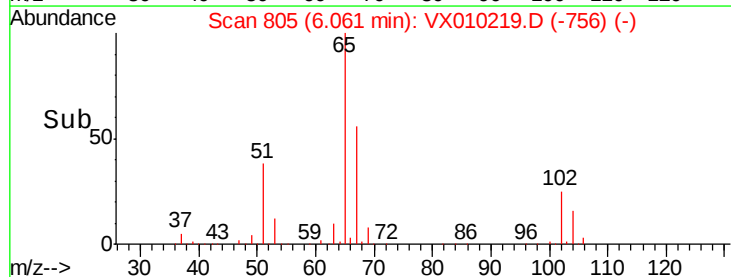
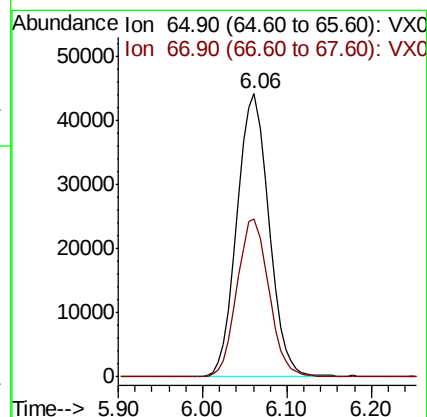
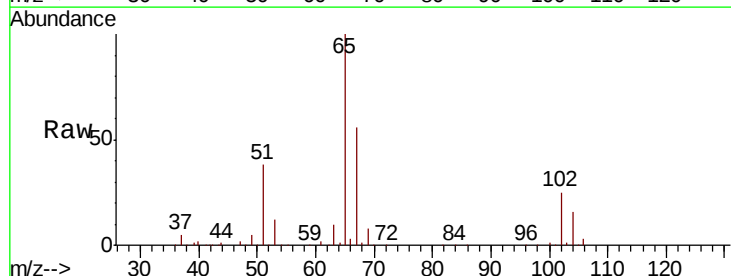
Acq: 11 Jun 2019 10:01

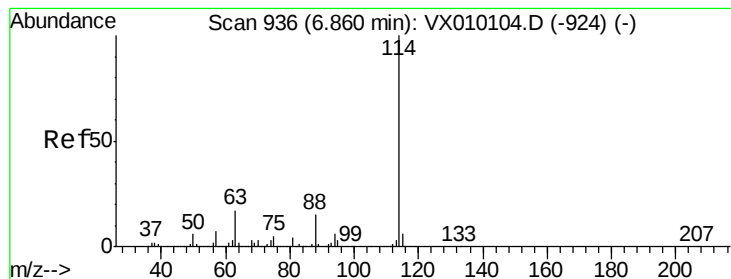
Tgt Ion: 65 Resp: 114317

Ion Ratio Lower Upper

65 100

67 55.5 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0611MBL01

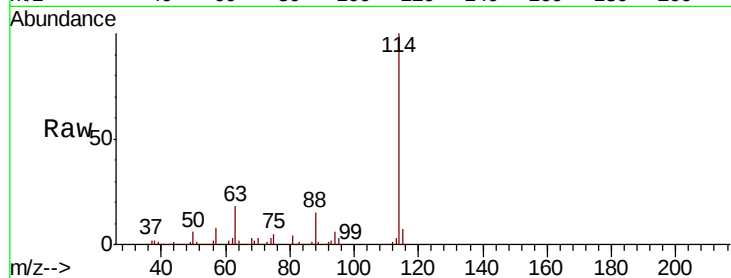
Tot Ion:114 Resp: 386680

Ion Ratio Lower Upper

114 100

63 17.6 0.0 47.4

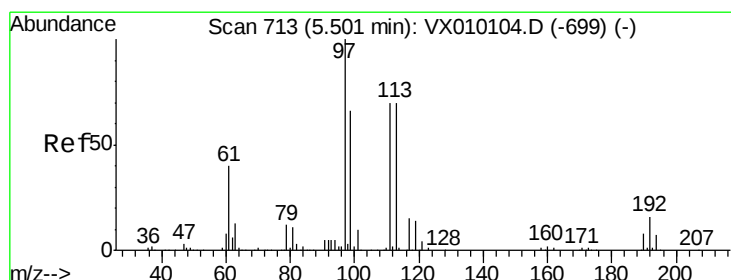
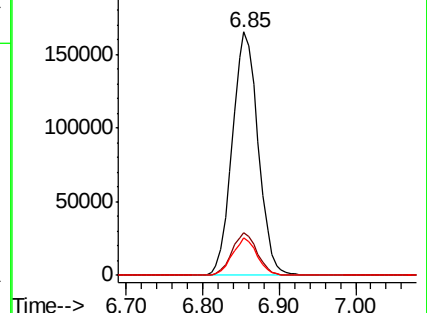
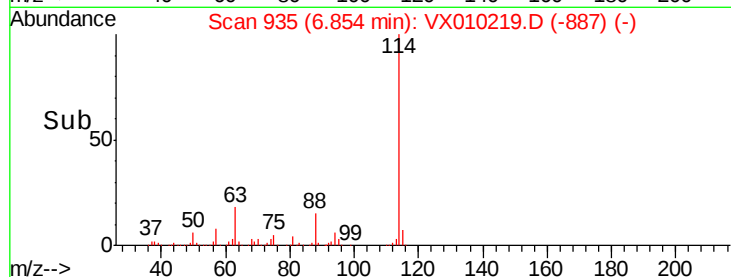
88 15.4 0.0 33.0



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: 50.470 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

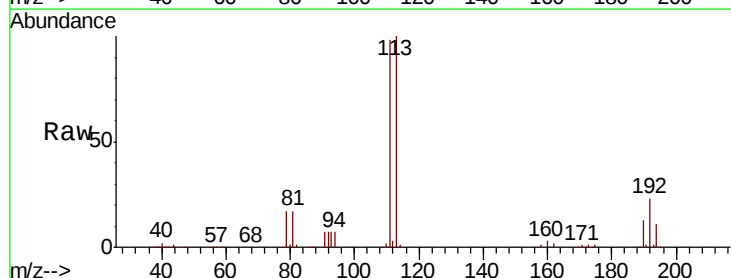
Tgt Ion:113 Resp: 120378

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

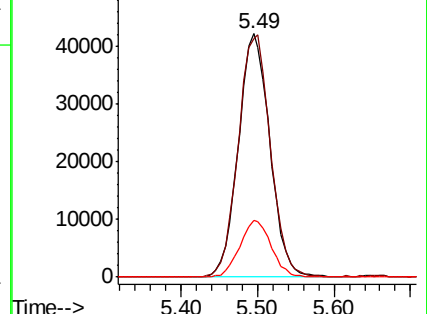
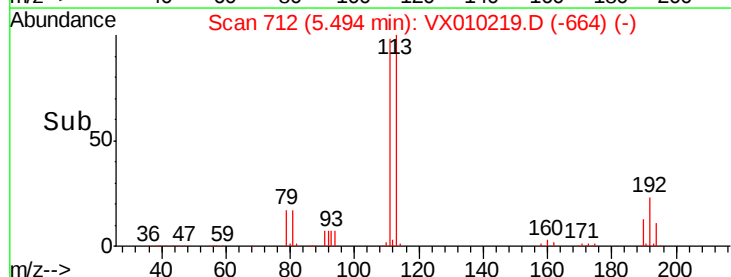
192 23.2 17.1 25.7

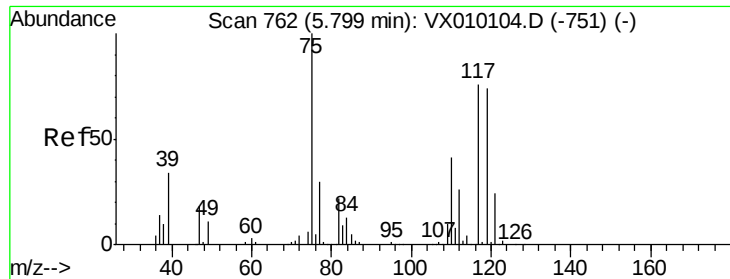


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

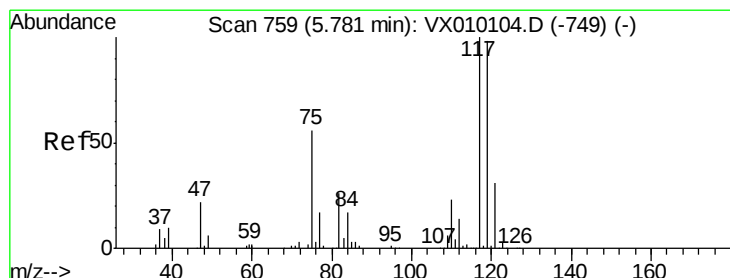
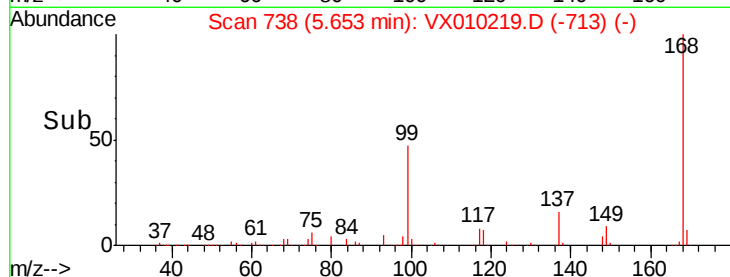
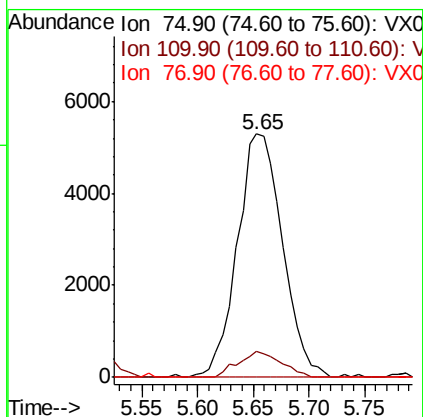
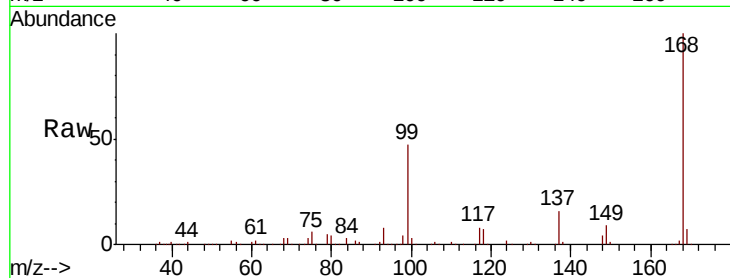




#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010219.D
 Acq: 11 Jun 2019 10:01

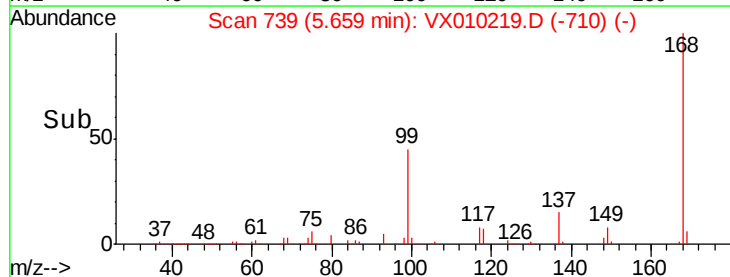
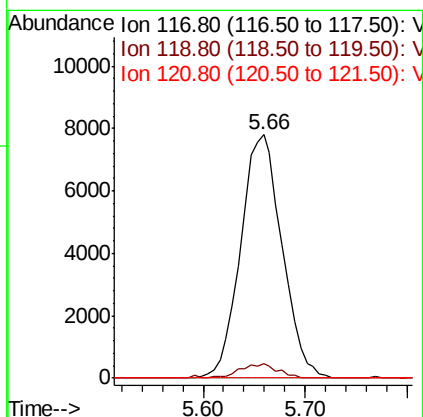
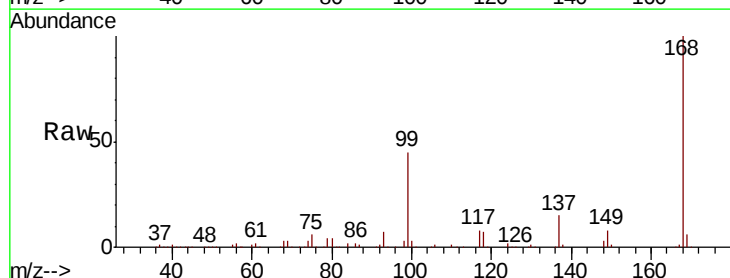
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611MBL01

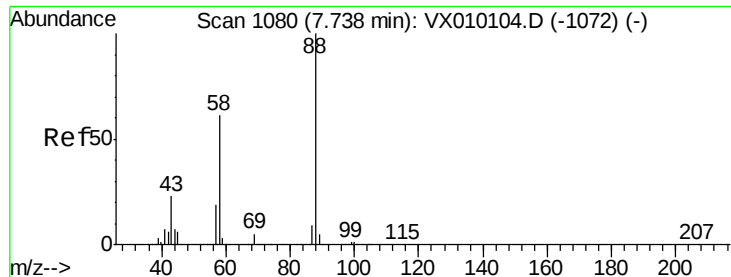
Tot Ion: 75 Resp: 14934
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.152 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010219.D
 Acq: 11 Jun 2019 10:01

Tgt Ion: 117 Resp: 21967
 Ion Ratio Lower Upper
 117 100
 119 6.0 77.3 115.9#
 121 0.0 25.4 38.0#

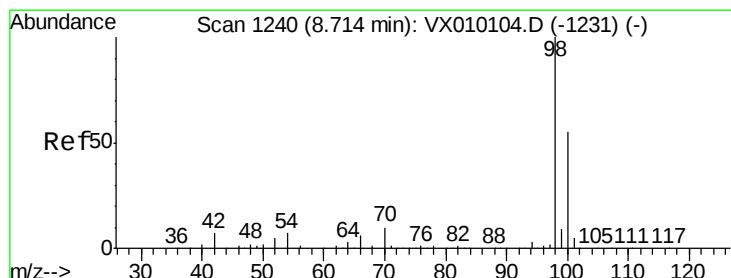
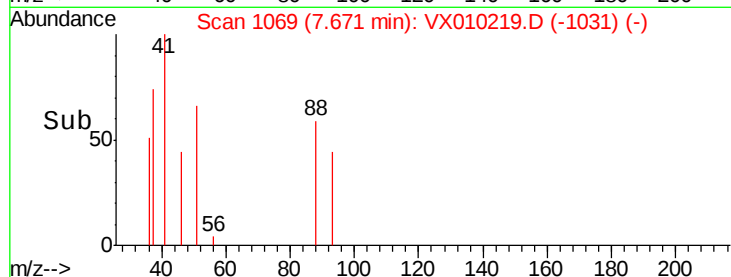
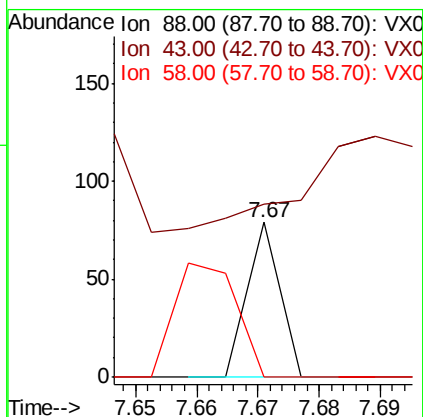
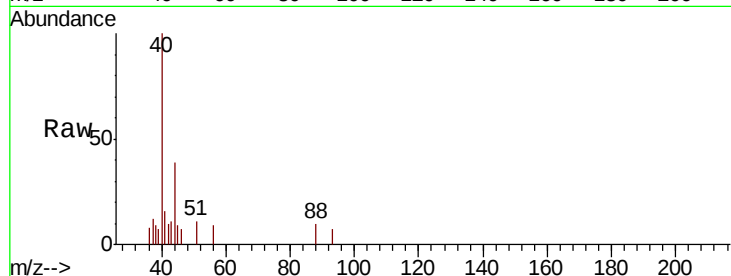




#49
1,4-Dioxane
Concen: 0.396 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.07 min
Lab File: VX010219.D
Acq: 11 Jun 2019 10:01

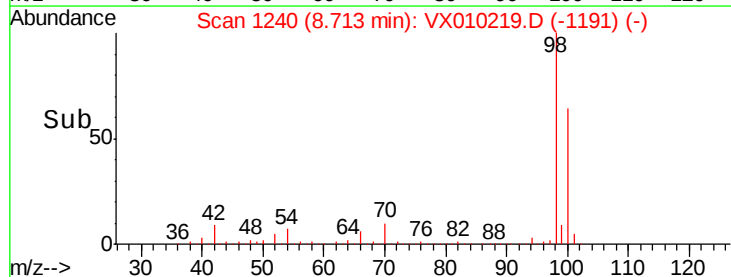
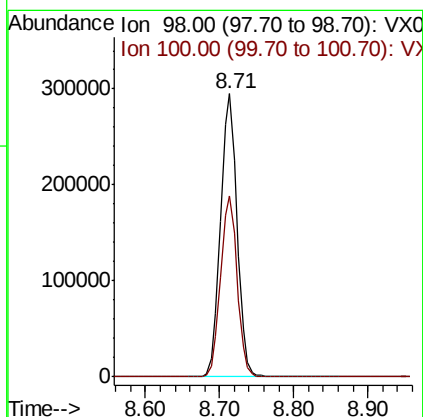
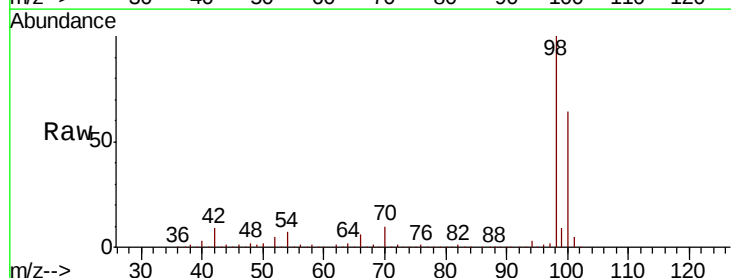
Instrument :
MSVOA_X
ClientSampleId :
VX0611MBL01

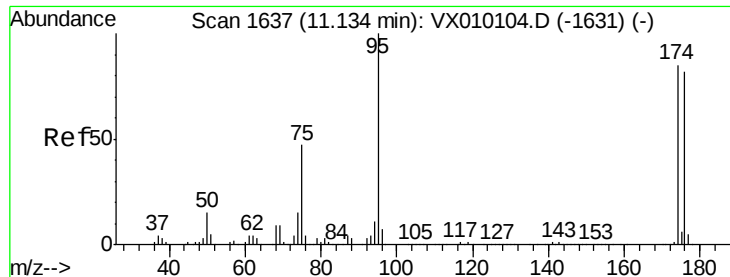
Tot Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 141.4 64.0 96.0#



#50
Toluene-d8
Concen: 50.752 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010219.D
Acq: 11 Jun 2019 10:01

Tgt Ion: 98 Resp: 453674
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 45.754 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0611MBL01

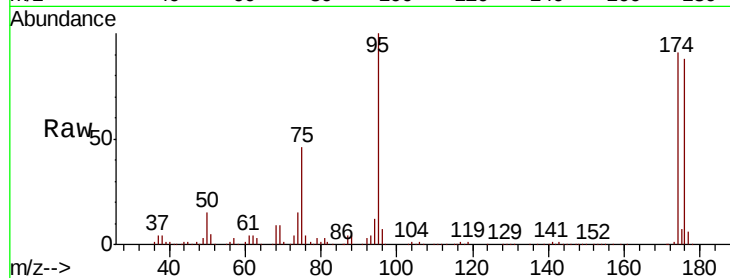
Tot Ion: 95 Resp: 152744

Ion Ratio Lower Upper

95 100

174 94.3 0.0 160.4

176 91.8 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)

11.13

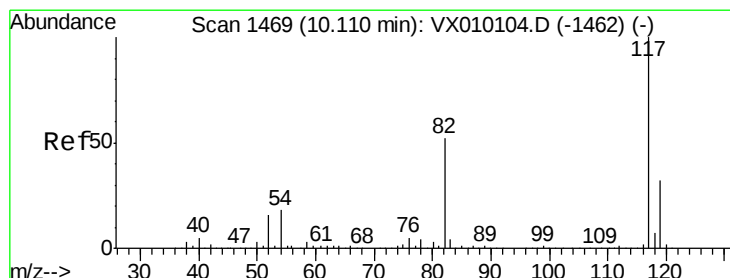
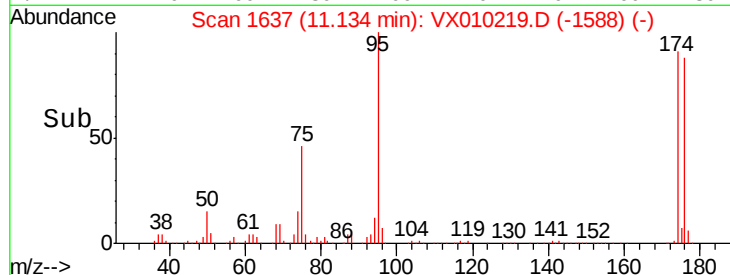
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

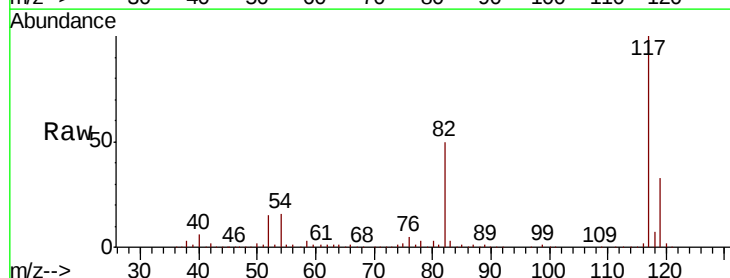
Tgt Ion: 117 Resp: 344486

Ion Ratio Lower Upper

117 100

82 50.2 49.2 73.8

119 33.0 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

10.11

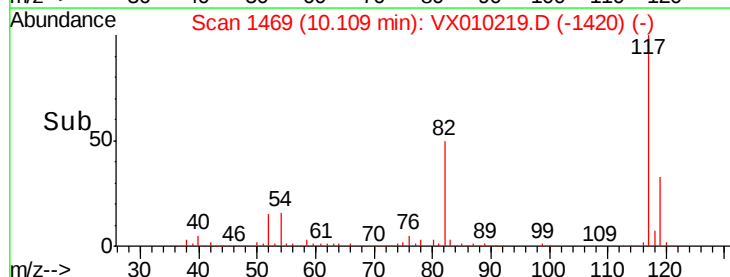
300000

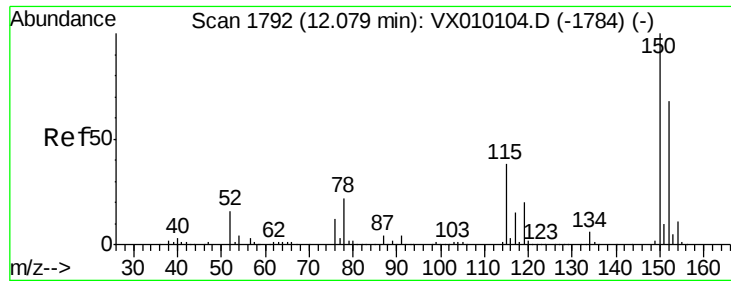
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampled :

VX0611MBL01

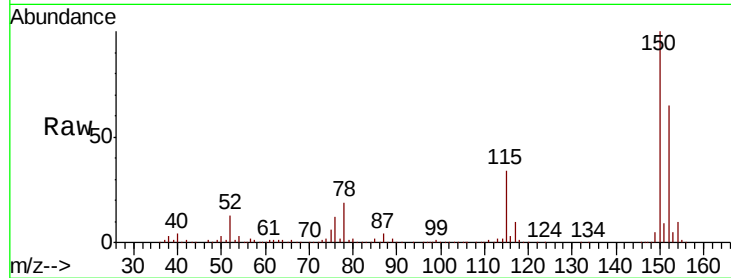
Tot Ion:152 Resp: 160723

Ion Ratio Lower Upper

152 100

115 54.0 41.4 124.2

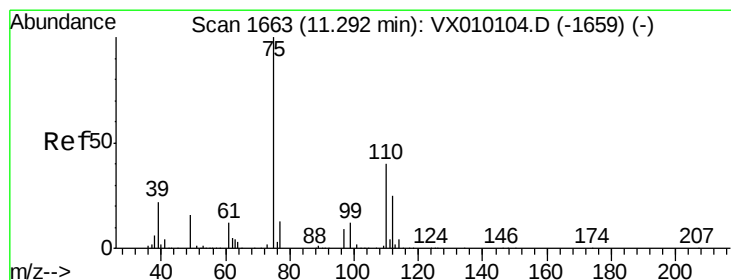
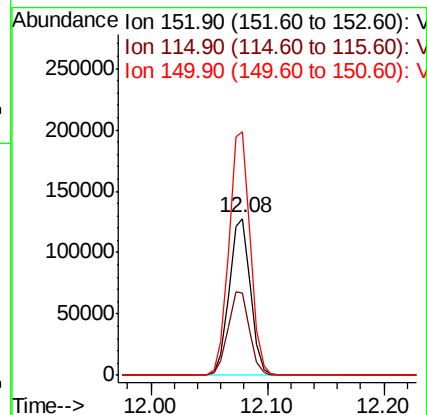
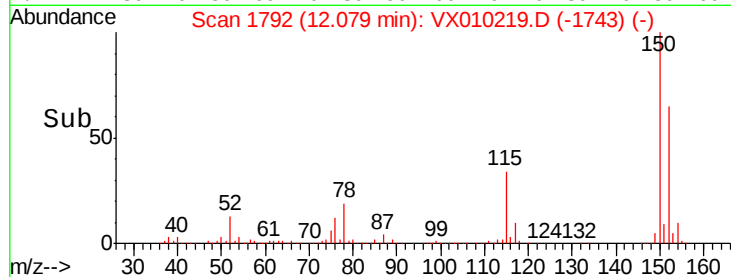
150 156.1 0.0 345.2



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: 21.486 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010219.D

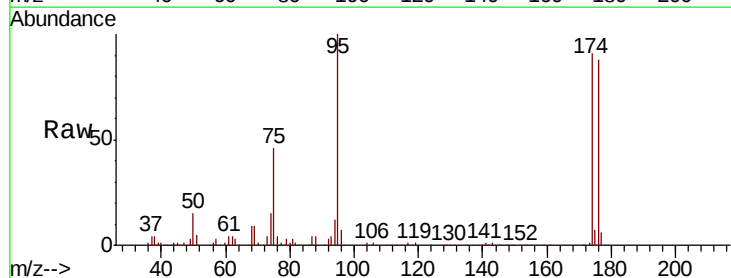
Acq: 11 Jun 2019 10:01

Tgt Ion: 75 Resp: 69072

Ion Ratio Lower Upper

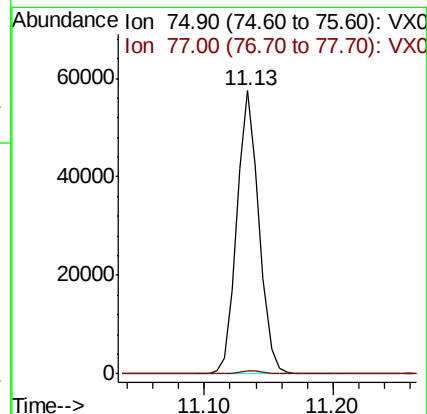
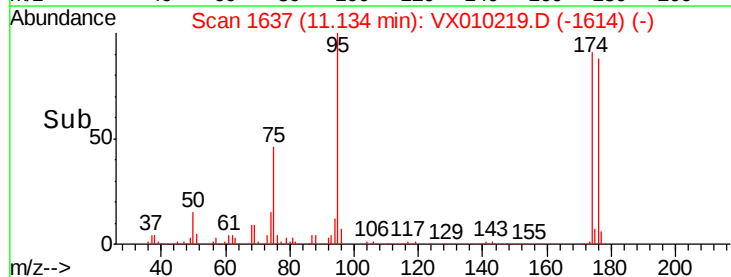
75 100

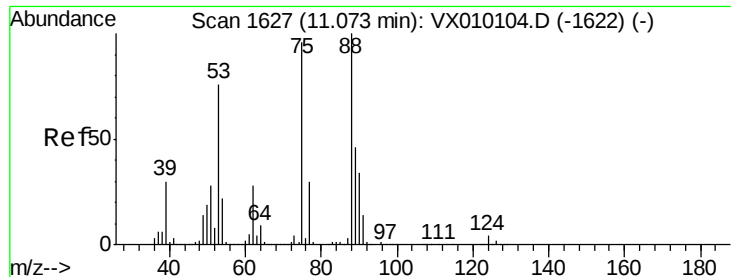
77 1.2 22.1 66.1#



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: 47.471 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010219.D

Acq: 11 Jun 2019 10:01

Instrument :

MSVOA_X

ClientSampleId :

VX0611MBL01

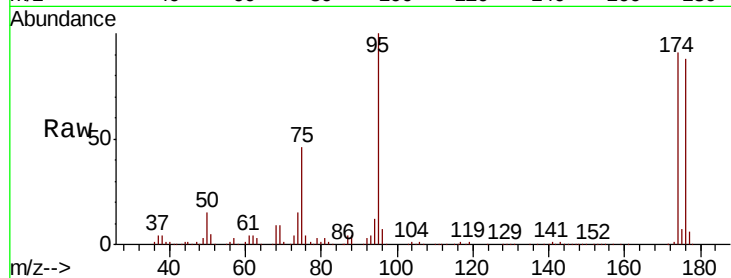
Tot Ion: 75 Resp: 69072

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

