

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010290.D
 Acq On : 14 Jun 2019 11:08
 Operator : JC/SP
 Sample : VX0614WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBL01

Quant Time: Jun 15 01:19:23 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	300224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	451721	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	400254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177264	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	143527	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.49	113	145768	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	8.71	98	552265	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.13	95	181769	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

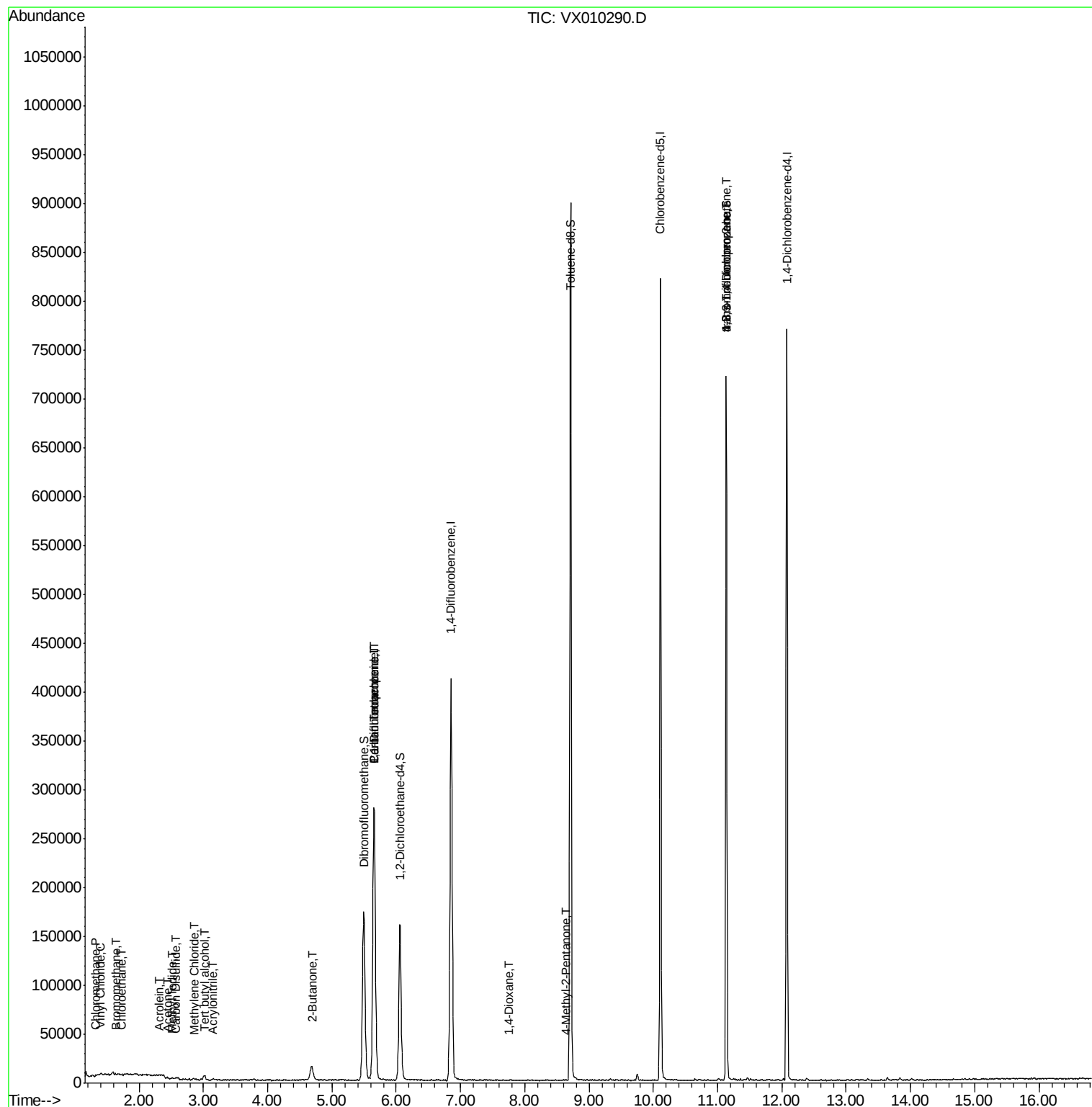
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	644	0.235	ug/l	95
4) Vinyl Chloride	1.41	62	699	0.271	ug/l #	78
5) Bromomethane	1.65	94	765	0.786	ug/l #	57
6) Chloroethane	1.73	64	570	0.438	ug/l #	74
10) Methyl Iodide	2.51	142	1475	0.361	ug/l	91
11) Tert butyl alcohol	3.01	59	2669	3.718	ug/l #	83
13) Acrolein	2.31	56	506	3.865	ug/l #	42
15) Acrylonitrile	3.14	53	720	0.491	ug/l #	82
16) Acetone	2.44	43	713	0.517	ug/l #	39
17) Carbon Disulfide	2.57	76	1946	0.250	ug/l #	94
20) Methylene Chloride	2.87	84	625	0.206	ug/l #	70
25) 2-Butanone	4.70	43	1435	0.699	ug/l	99
36) 1,1-Dichloropropene	5.65	75	18170	4.930	ug/l #	52
38) Carbon Tetrachloride	5.65	117	25491	6.111	ug/l #	15
49) 1,4-Dioxane	7.74	88	22	0.257	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	807	0.211	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	83786	23.631	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	83786	52.211	ug/l #	10

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

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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: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

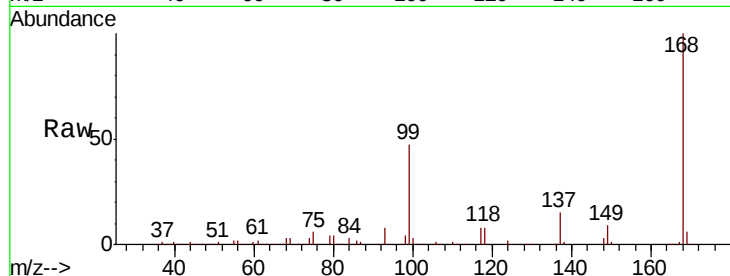
VX0614WBL01

Tot Ion:168 Resp: 300224

Ion Ratio Lower Upper

168 100

99 46.6 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

120000

100000

80000

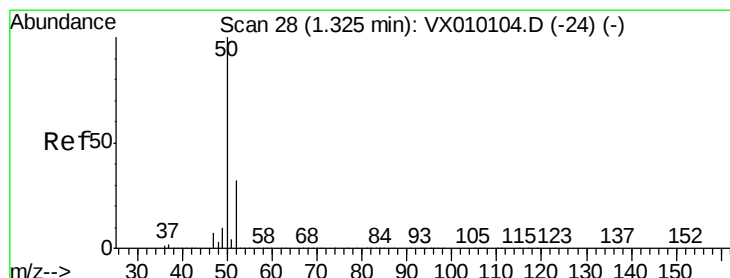
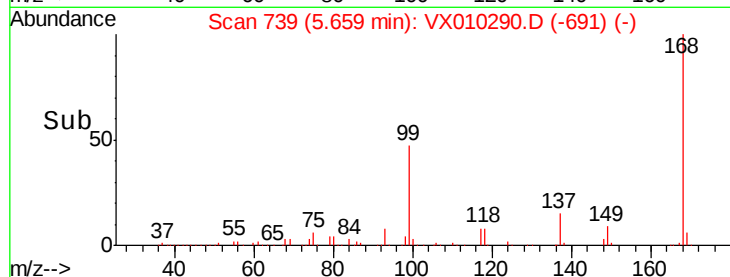
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.235 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010290.D

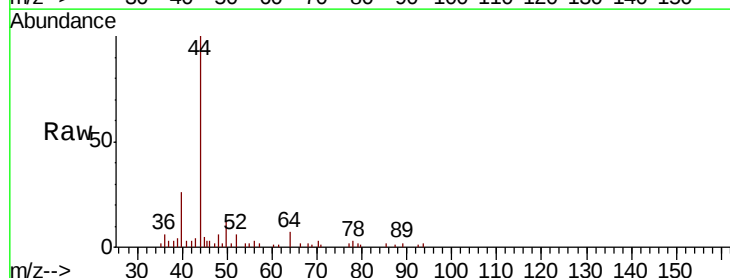
Acq: 14 Jun 2019 11:08

Tgt Ion: 50 Resp: 644

Ion Ratio Lower Upper

50 100

52 35.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

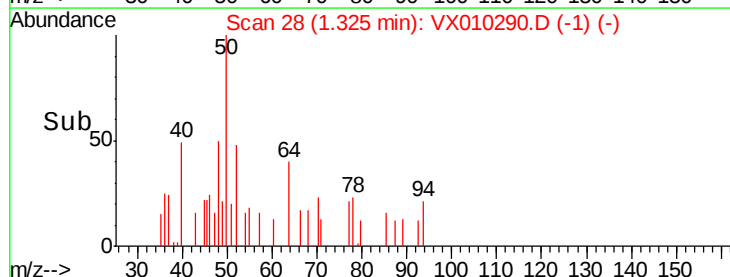
300

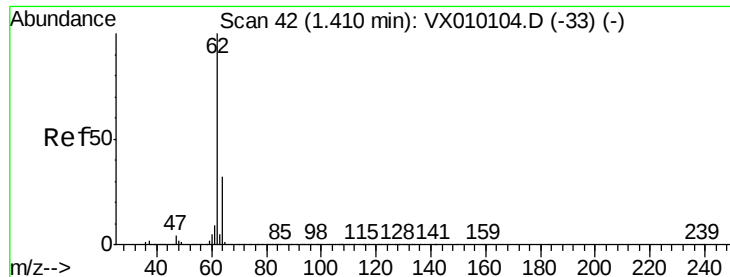
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.271 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

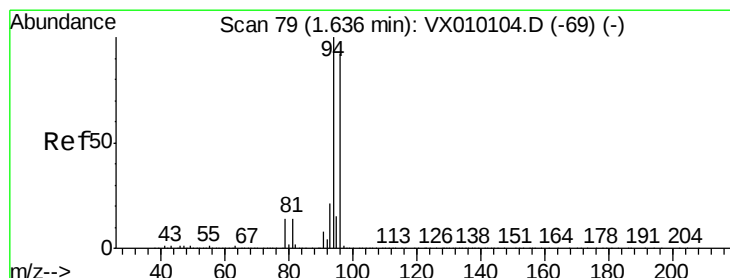
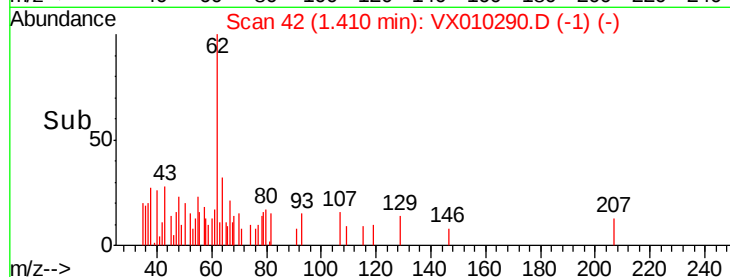
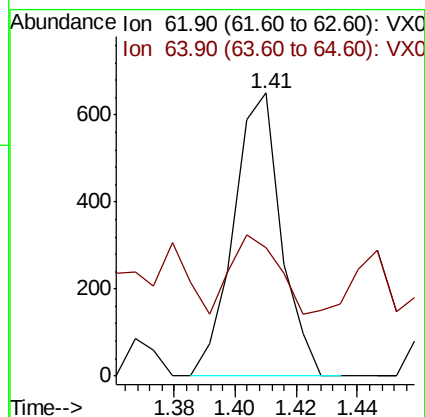
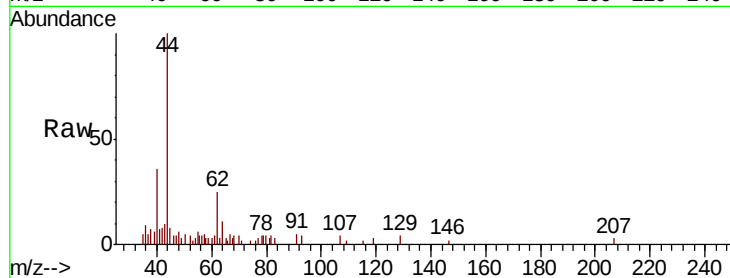
VX0614WBL01

Tot Ion: 62 Resp: 699

Ion Ratio Lower Upper

62 100

64 19.8 25.7 38.5#



#5

Bromomethane

Concen: 0.786 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010290.D

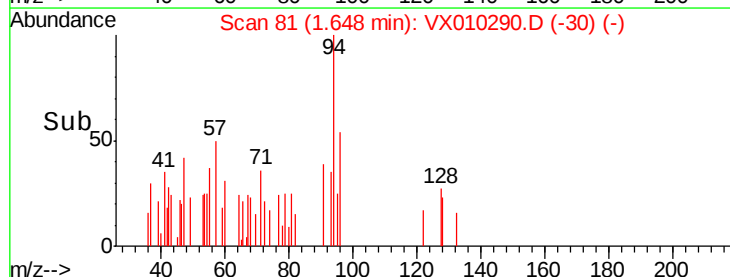
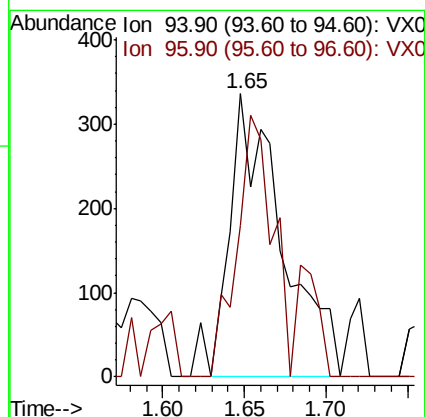
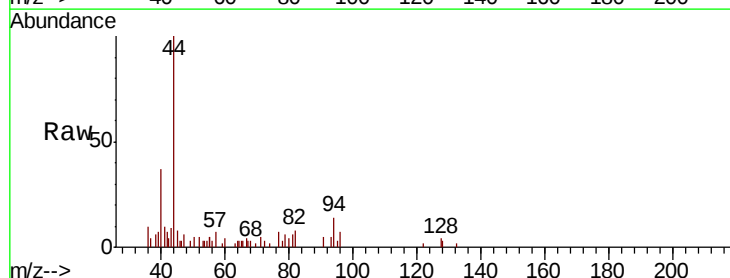
Acq: 14 Jun 2019 11:08

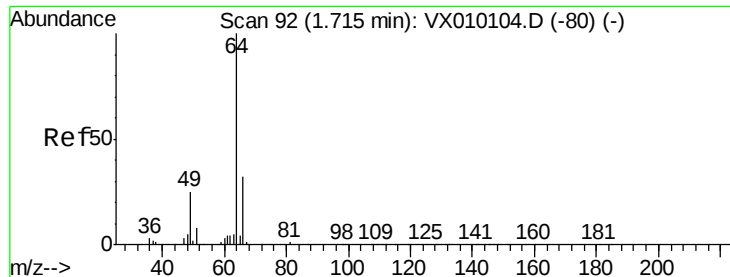
Tgt Ion: 94 Resp: 765

Ion Ratio Lower Upper

94 100

96 53.6 76.2 114.4#





#6

Chloroethane

Concen: 0.438 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

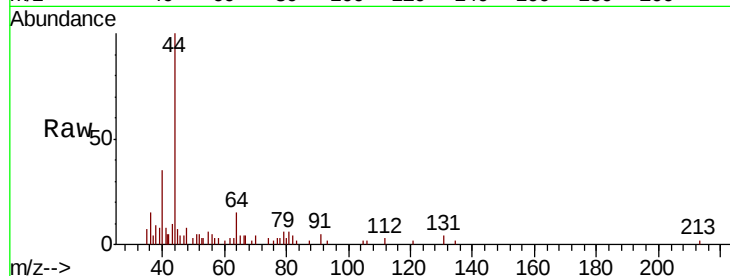
VX0614WBL01

Tot Ion: 64 Resp: 570

Ion Ratio Lower Upper

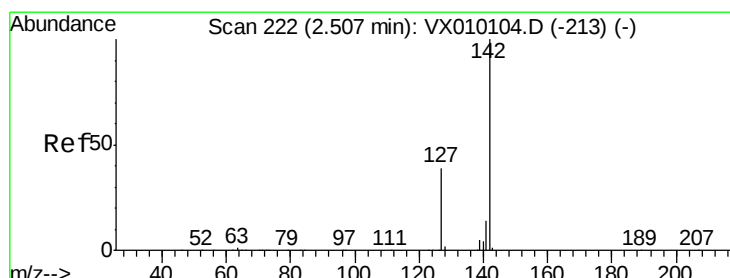
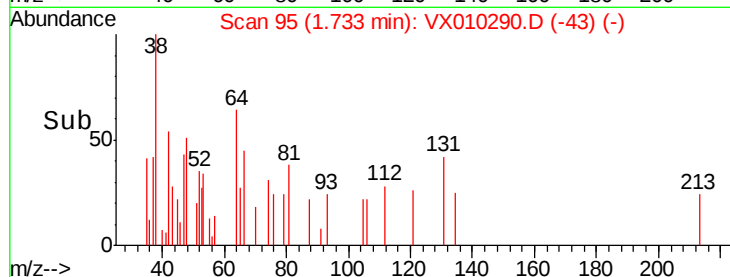
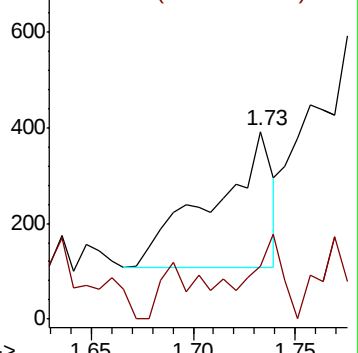
64 100

66 17.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.361 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

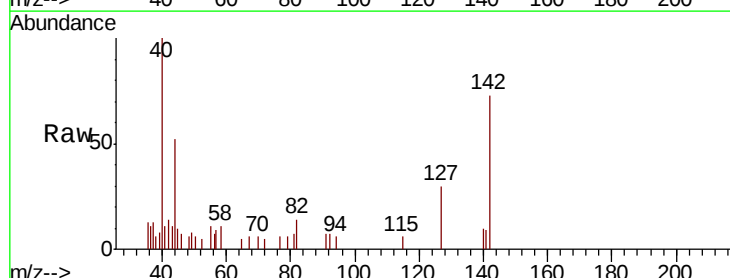
Tgt Ion: 142 Resp: 1475

Ion Ratio Lower Upper

142 100

127 48.1 33.0 49.4

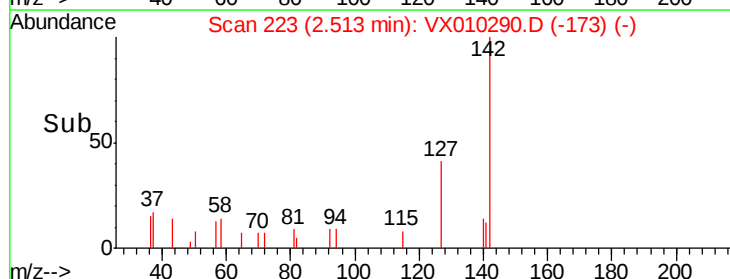
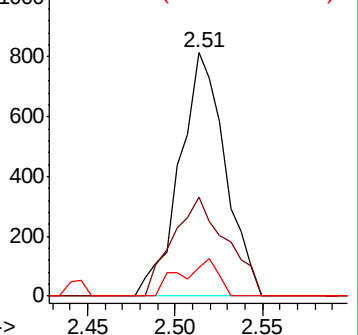
141 12.7 11.4 17.0

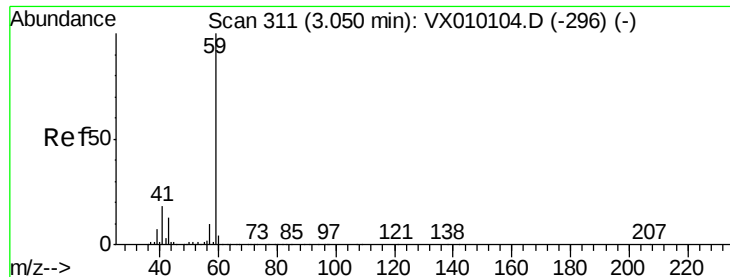


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



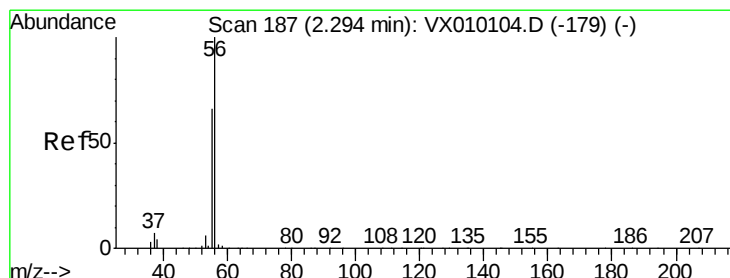
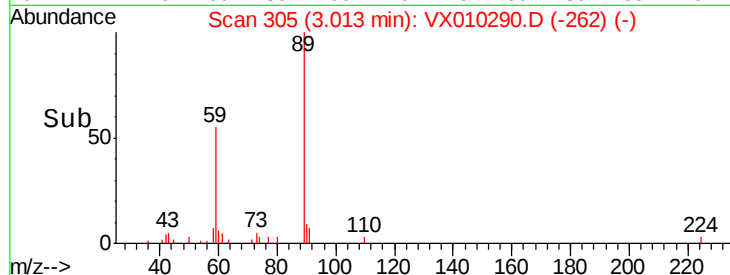
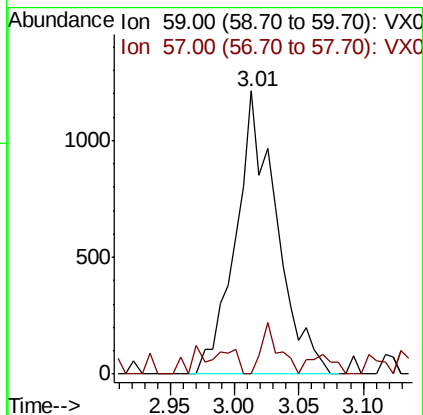
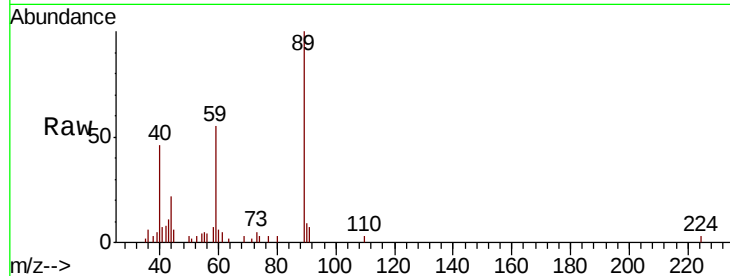


#11

Tert butyl alcohol
Concen: 3.718 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

Instrument :
MSVOA_X
ClientSampled :
VX0614WBL01

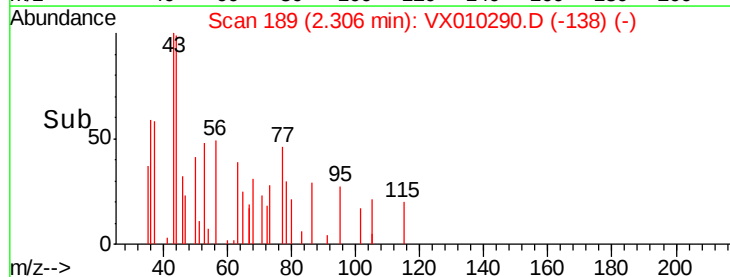
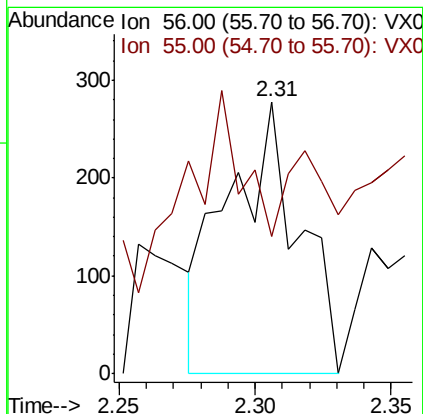
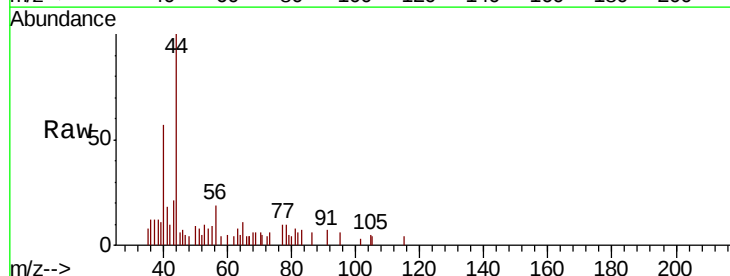
Tot Ion: 59 Resp: 2669
Ion Ratio Lower Upper
59 100
57 4.0 8.2 12.2#

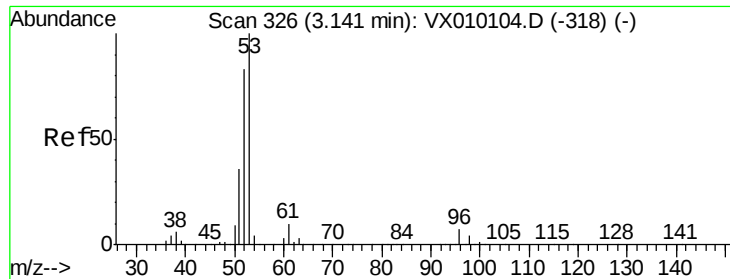


#13

Acrolein
Concen: 3.865 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

Tgt Ion: 56 Resp: 506
Ion Ratio Lower Upper
56 100
55 22.9 57.0 85.4#





#15

Acrylonitrile

Concen: 0.491 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBL01

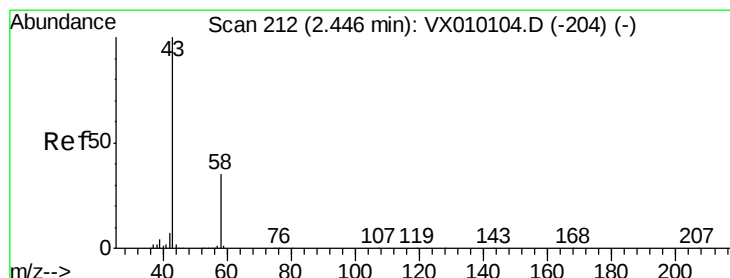
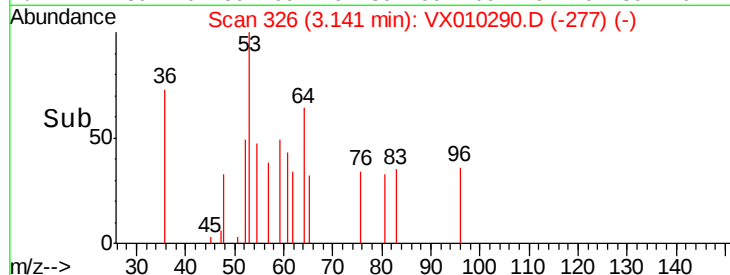
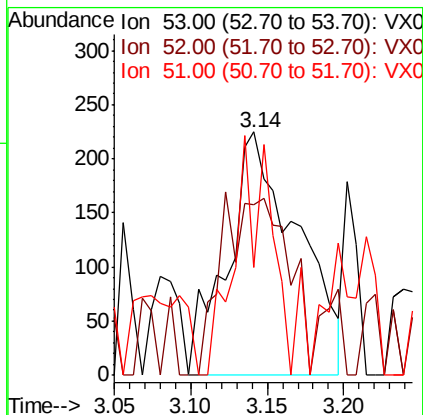
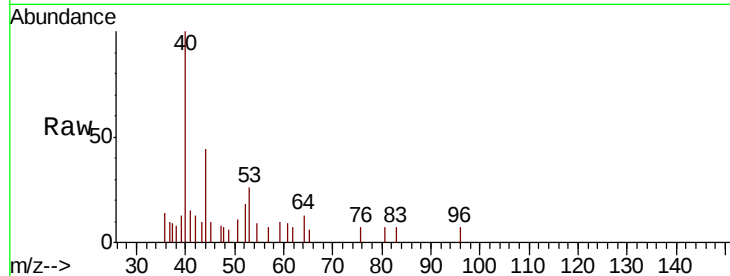
Tot Ion: 53 Resp: 720

Ion Ratio Lower Upper

53 100

52 69.3 66.7 100.1

51 50.6 28.8 43.2#



#16

Acetone

Concen: 0.517 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010290.D

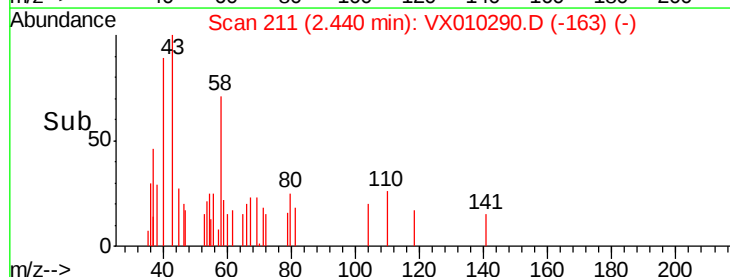
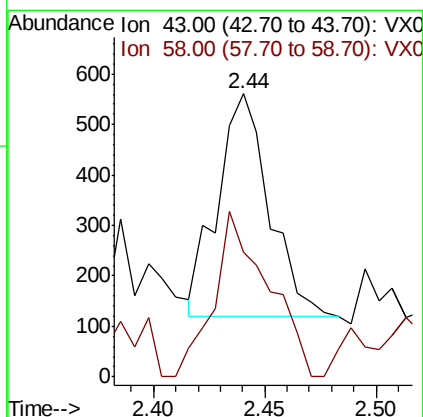
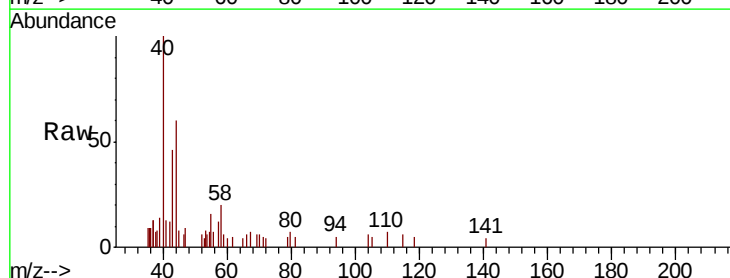
Acq: 14 Jun 2019 11:08

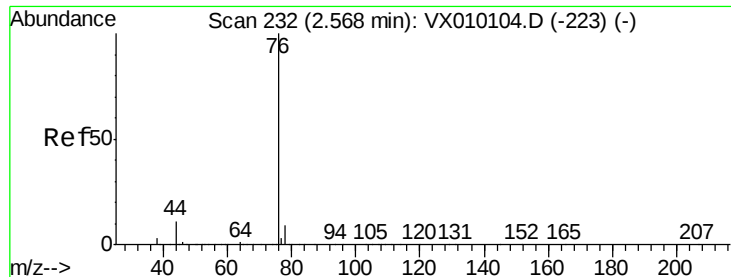
Tgt Ion: 43 Resp: 713

Ion Ratio Lower Upper

43 100

58 61.5 23.2 34.8#

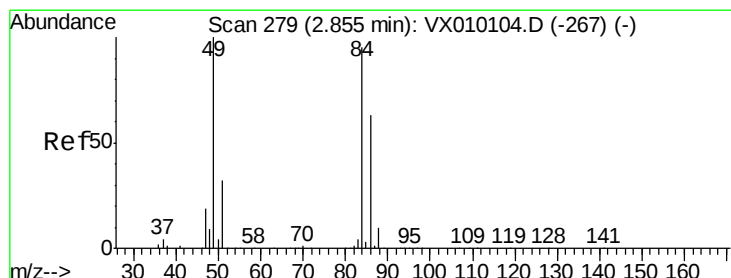
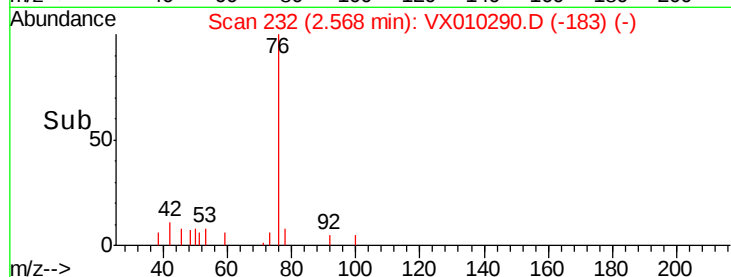
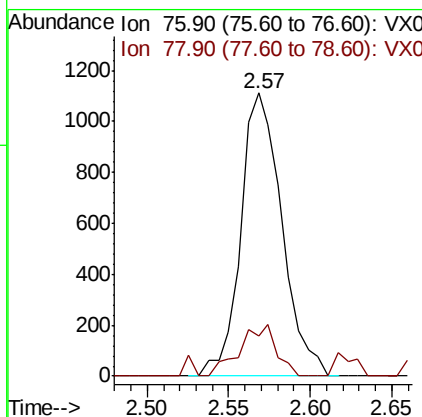
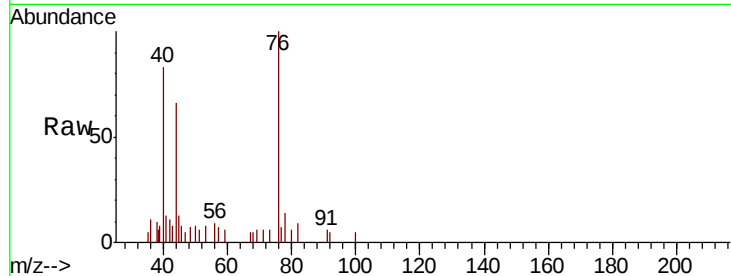




#17
Carbon Disulfide
Concen: 0.250 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

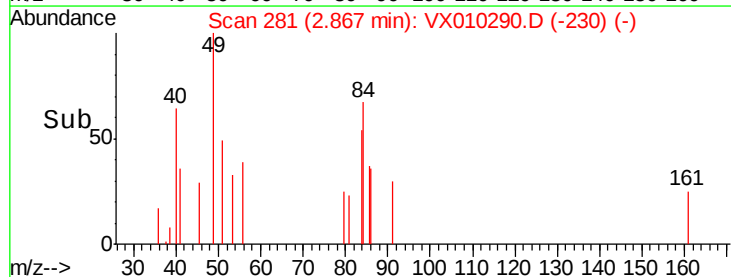
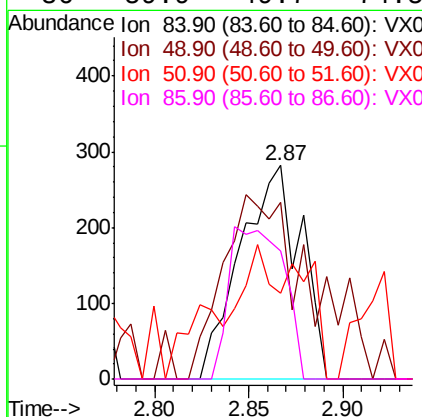
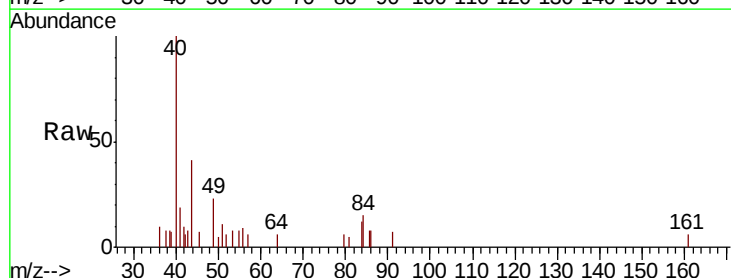
Instrument :
MSVOA_X
ClientSampled :
VX0614WBL01

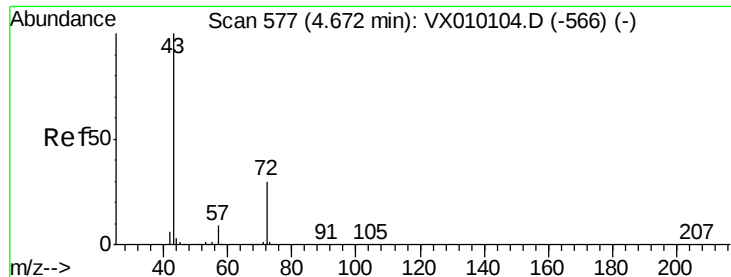
Tot Ion: 76 Resp: 1946
Ion Ratio Lower Upper
76 100
78 6.7 7.0 10.6#



#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

Tgt Ion: 84 Resp: 625
Ion Ratio Lower Upper
84 100
49 82.6 115.8 173.6#
51 40.4 34.4 51.6
86 59.9 49.7 74.5





#25

2-Butanone

Concen: 0.699 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

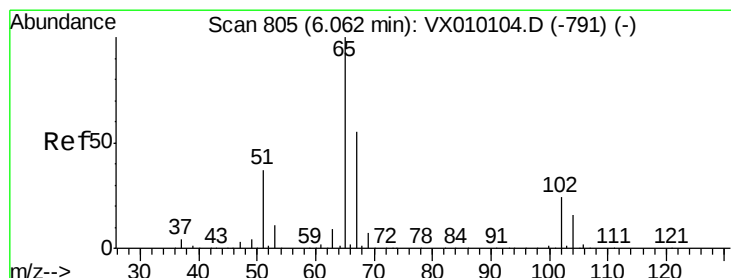
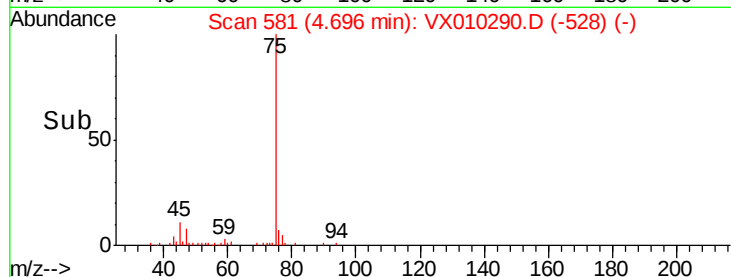
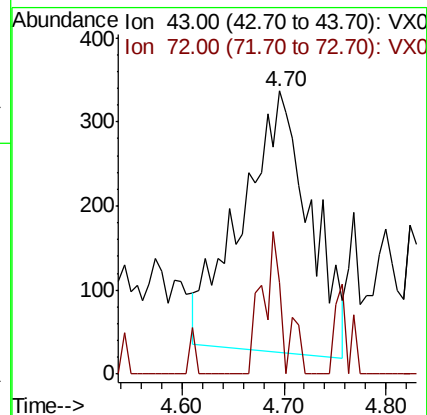
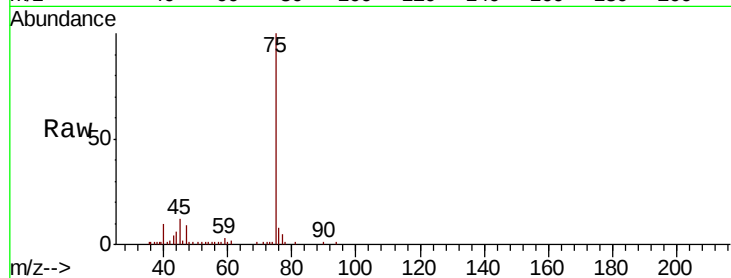
VX0614WBL01

Tot Ion: 43 Resp: 1435

Ion Ratio Lower Upper

43 100

72 21.2 17.5 26.3



#33

1,2-Dichloroethane-d4

Concen: 48.976 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010290.D

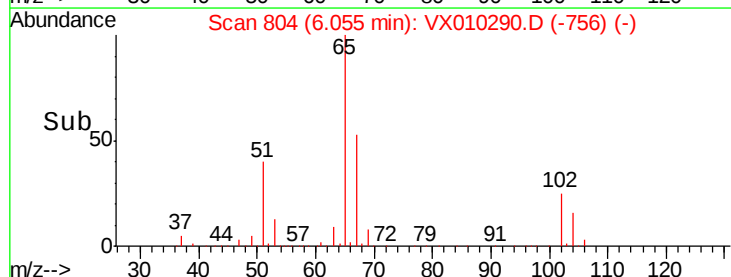
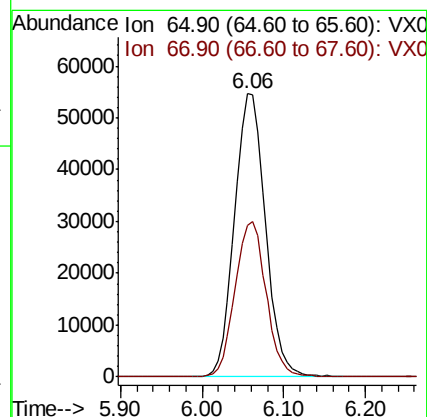
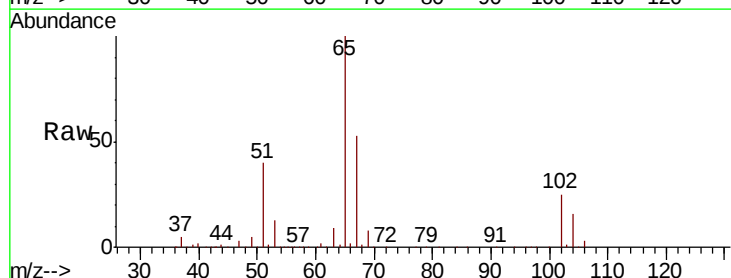
Acq: 14 Jun 2019 11:08

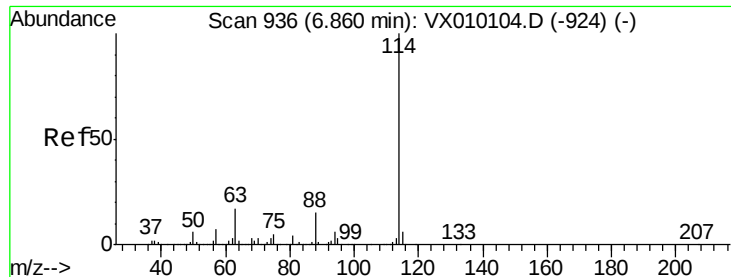
Tgt Ion: 65 Resp: 143527

Ion Ratio Lower Upper

65 100

67 54.9 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: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0614WBL01

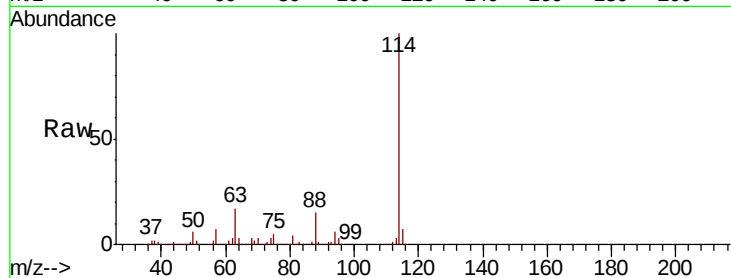
Tot Ion:114 Resp: 451721

Ion Ratio Lower Upper

114 100

63 16.8 0.0 47.4

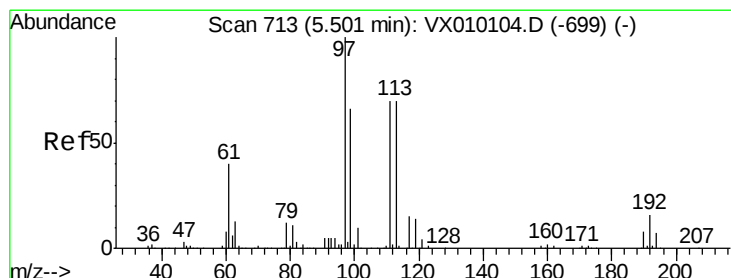
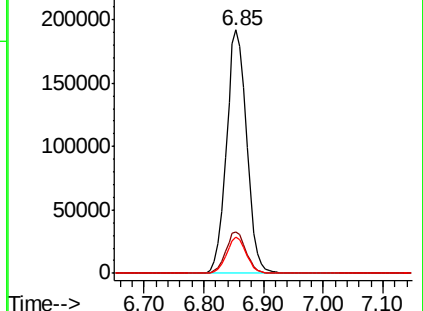
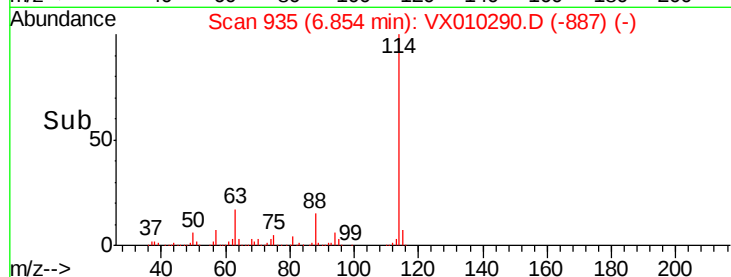
88 14.8 0.0 33.0



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: 52.316 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

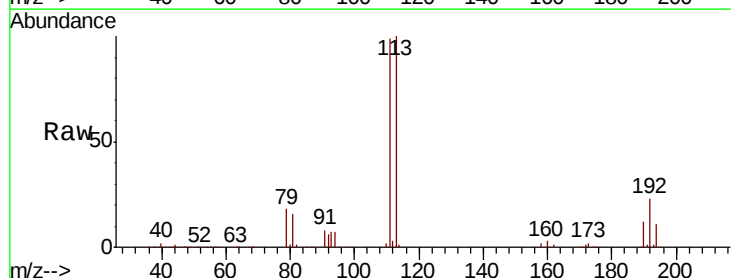
Tgt Ion:113 Resp: 145768

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

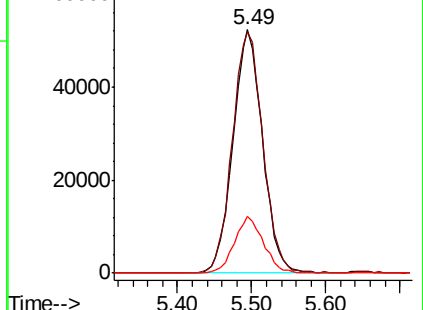
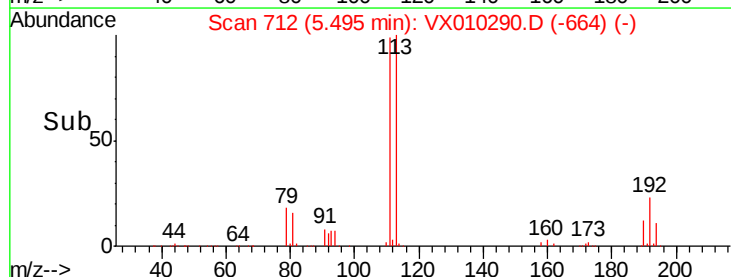
192 22.7 17.1 25.7

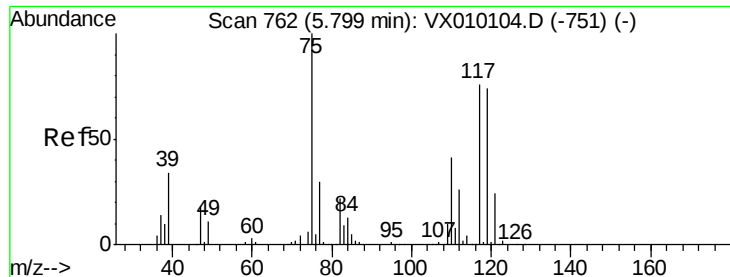


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

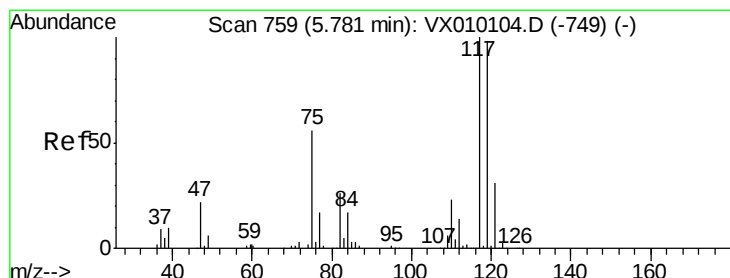
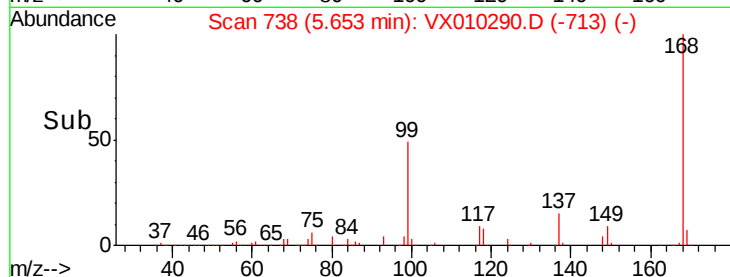
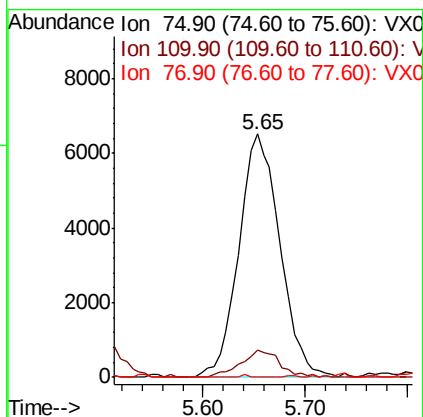
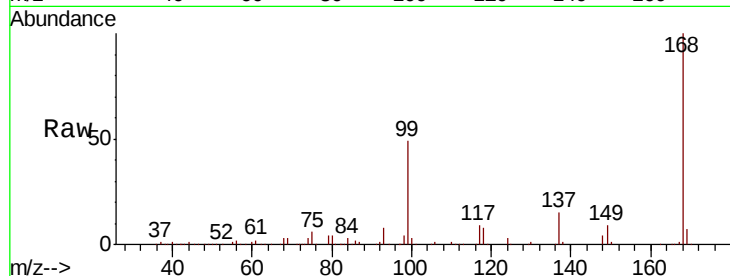




#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010290.D
 Acq: 14 Jun 2019 11:08

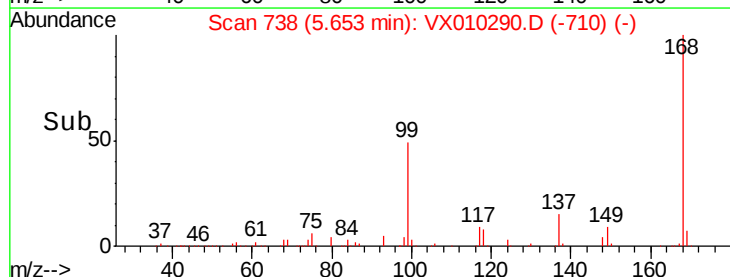
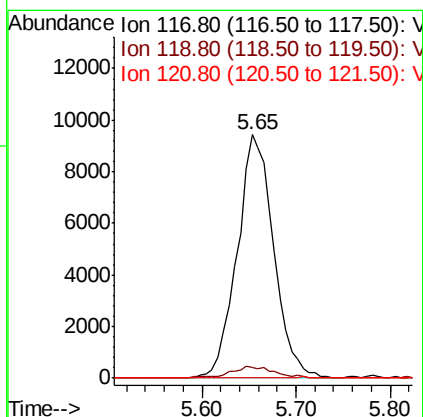
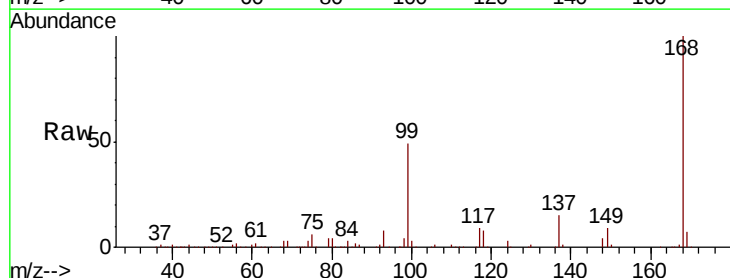
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBL01

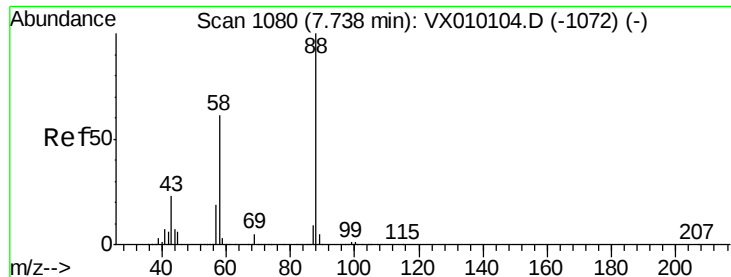
Tot Ion: 75 Resp: 18170
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.7 50.1#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.111 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX010290.D
 Acq: 14 Jun 2019 11:08

Tgt Ion: 117 Resp: 25491
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.3 115.9#
 121 0.0 25.4 38.0#





#49

1,4-Dioxane

Concen: 0.257 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0614WBL01

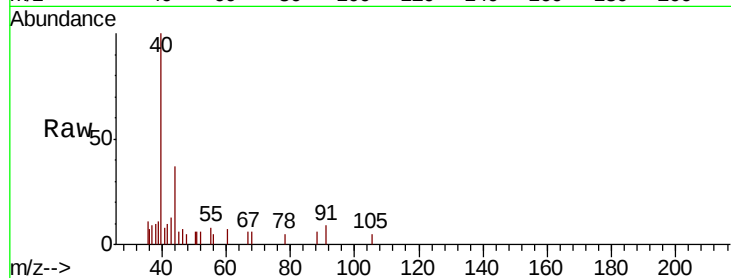
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 363.6 30.2 45.4#

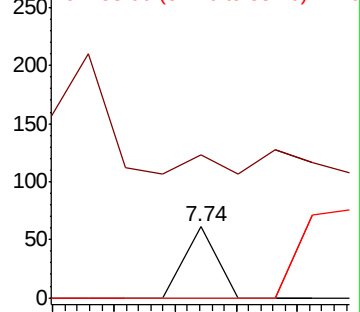
58 0.0 64.0 96.0#



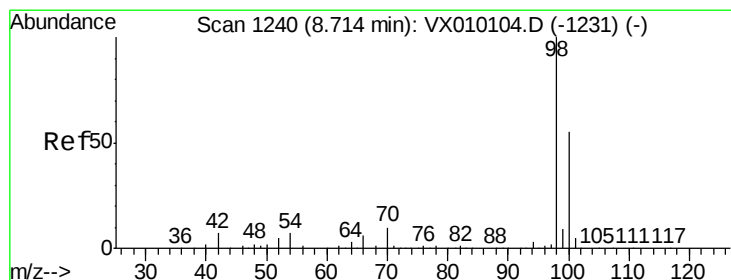
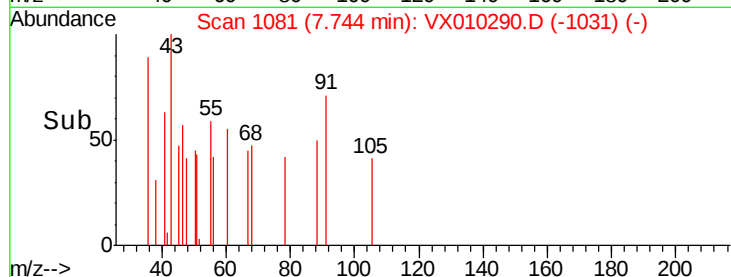
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 52.885 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010290.D

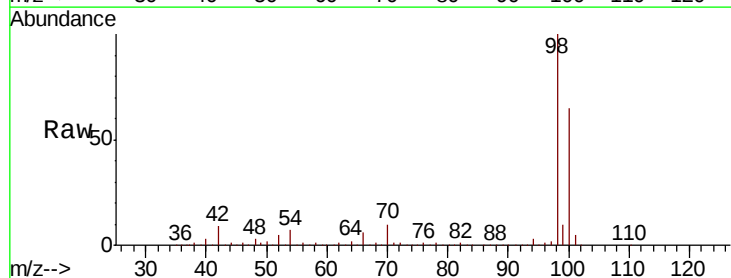
Acq: 14 Jun 2019 11:08

Tgt Ion: 98 Resp: 552265

Ion Ratio Lower Upper

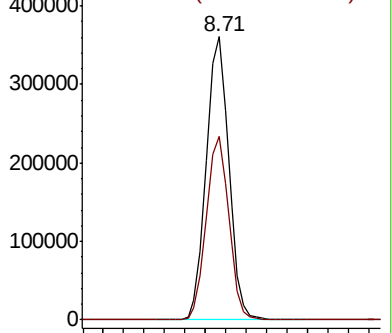
98 100

100 64.9 51.5 77.3

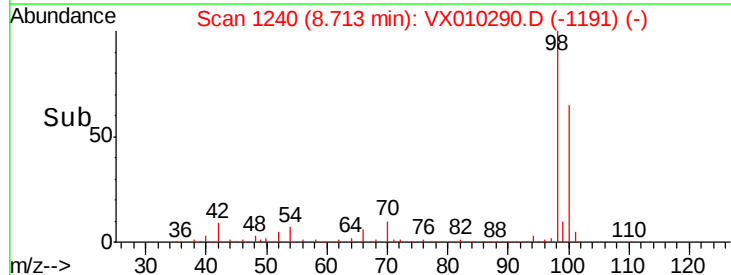


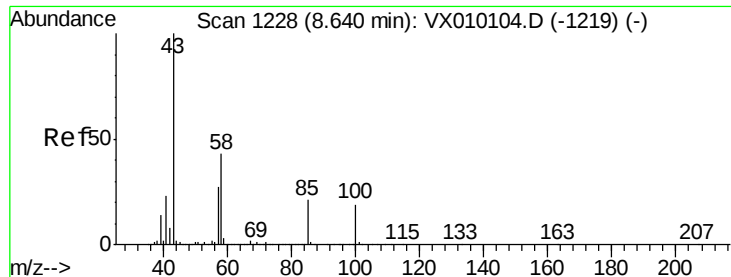
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

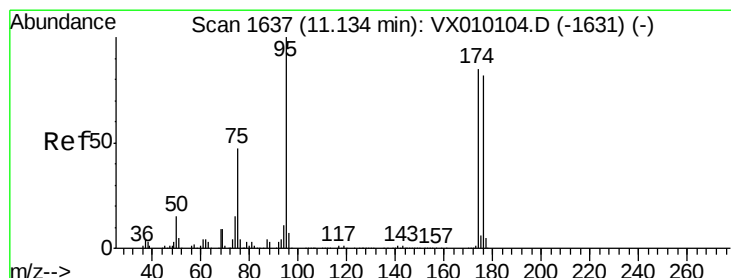
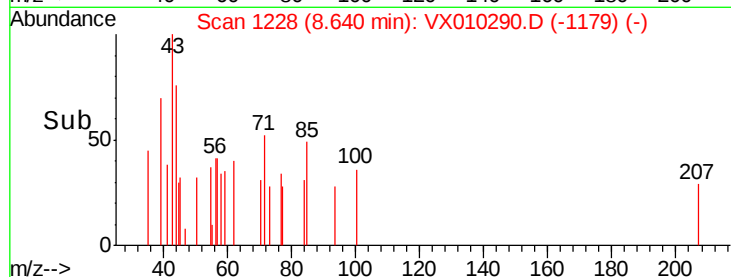
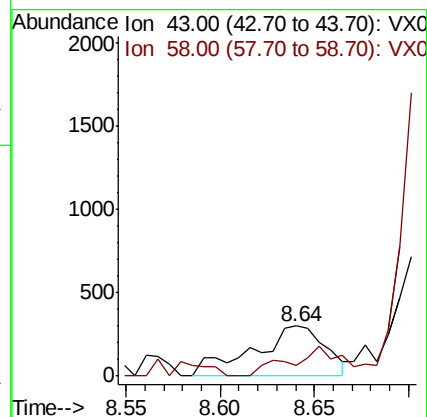
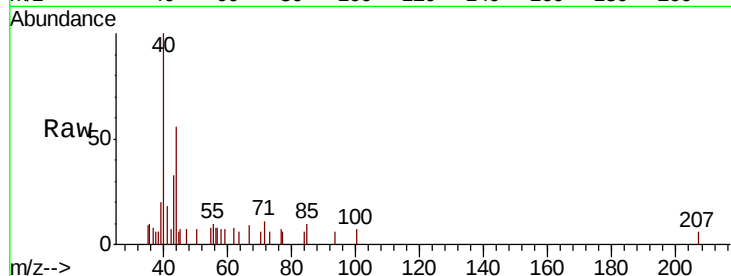
VX0614WBL01

Tot Ion: 43 Resp: 807

Ion Ratio Lower Upper

43 100

58 39.7 28.8 43.2



#62

4-Bromofluorobenzene

Concen: 46.608 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010290.D

Acq: 14 Jun 2019 11:08

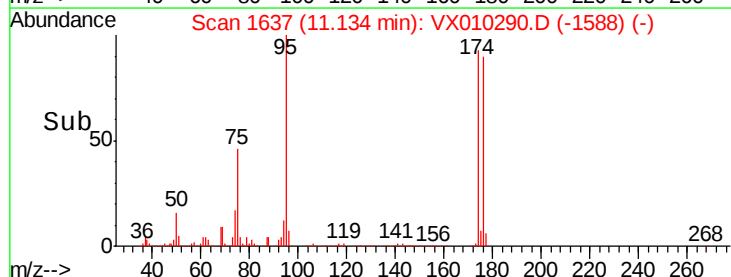
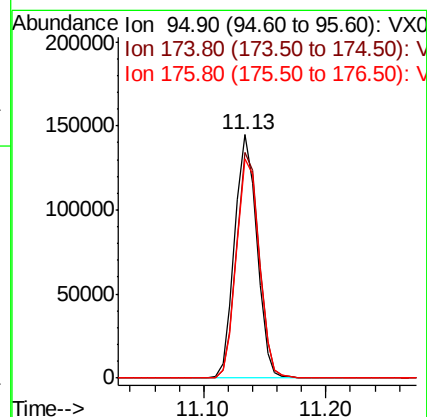
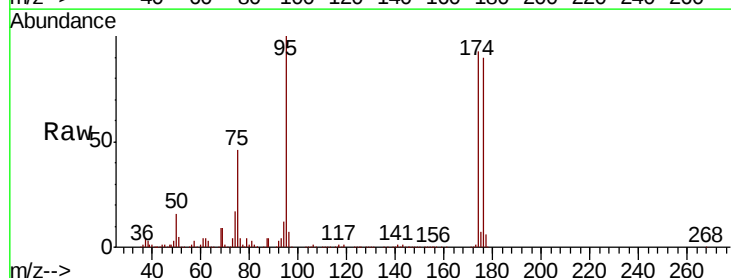
Tgt Ion: 95 Resp: 181769

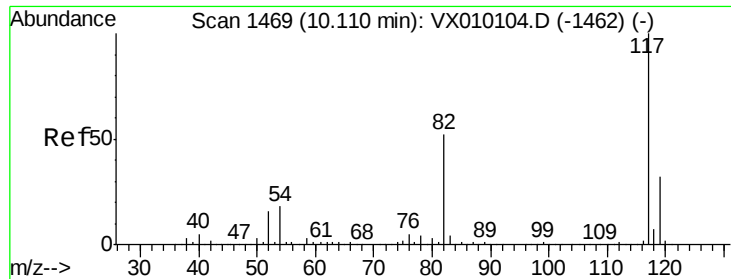
Ion Ratio Lower Upper

95 100

174 94.4 0.0 160.4

176 92.4 0.0 154.6

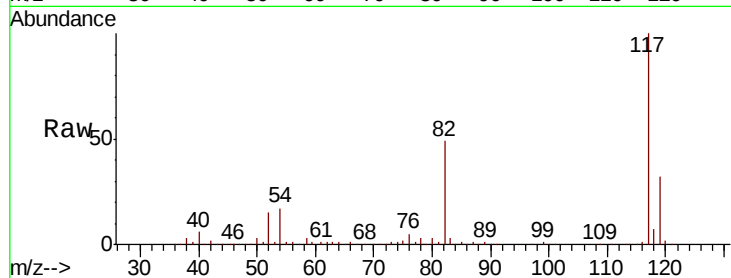




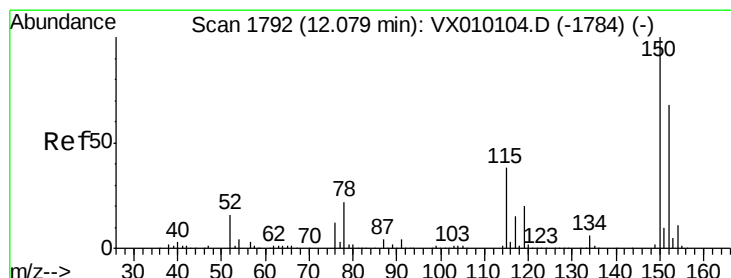
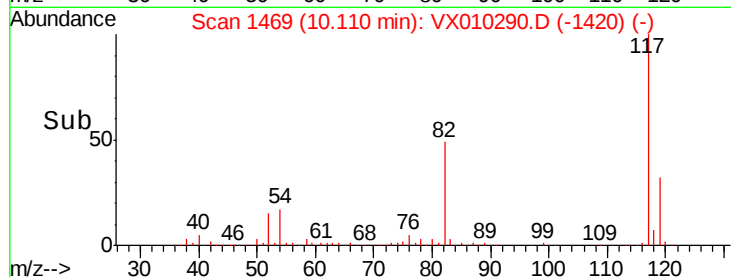
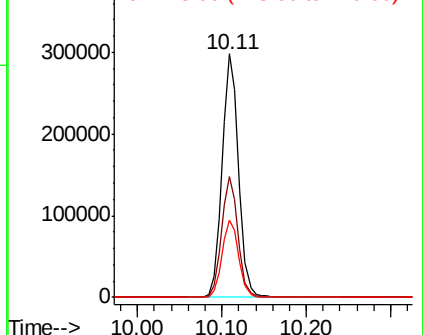
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0614WBL01

Tot Ion:117 Resp: 400254
Ion Ratio Lower Upper
117 100
82 49.4 49.2 73.8
119 31.6 25.2 37.8

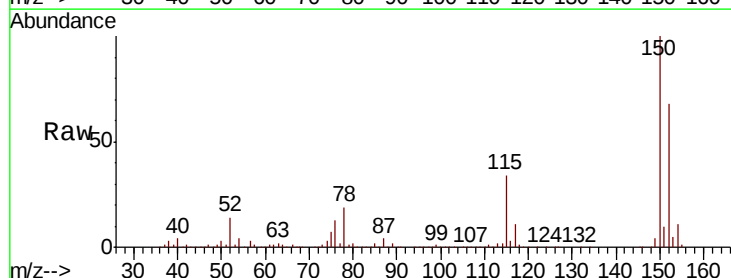


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

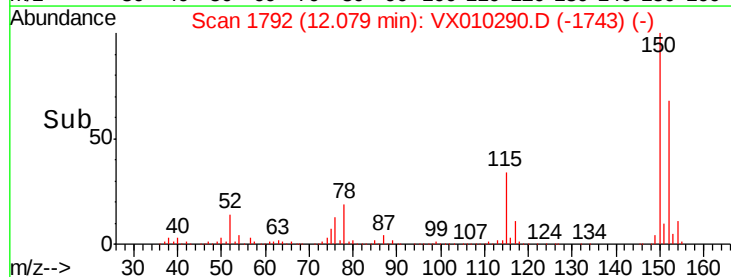
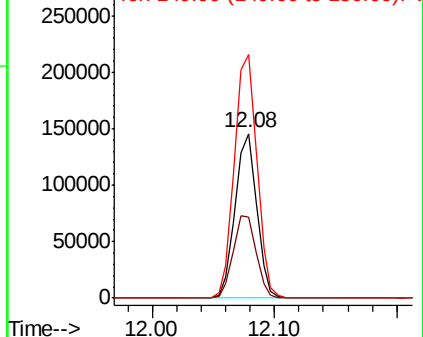


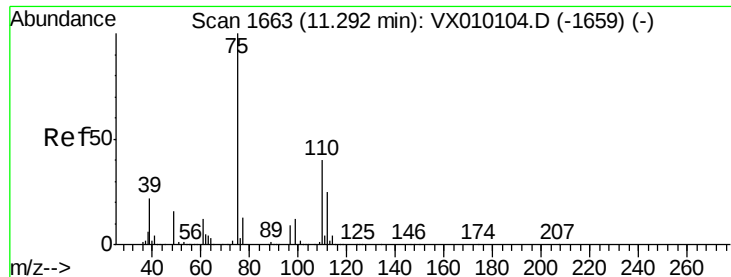
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010290.D
Acq: 14 Jun 2019 11:08

Tgt Ion:152 Resp: 177264
Ion Ratio Lower Upper
152 100
115 53.3 41.4 124.2
150 154.2 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

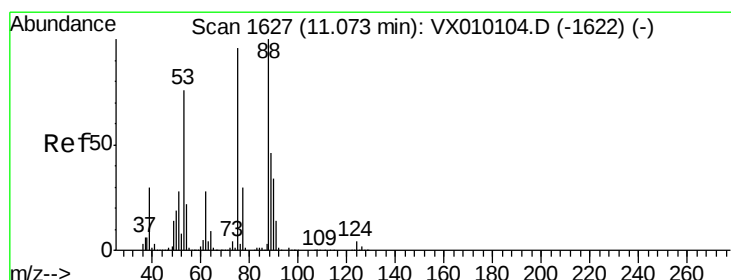
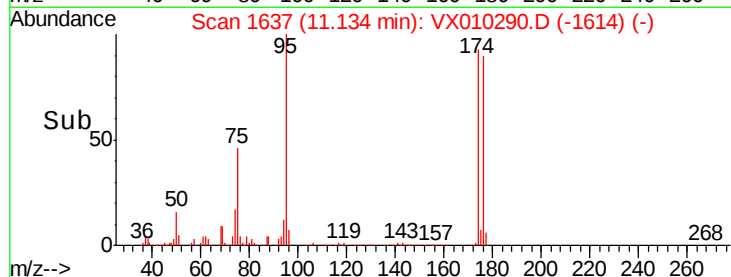
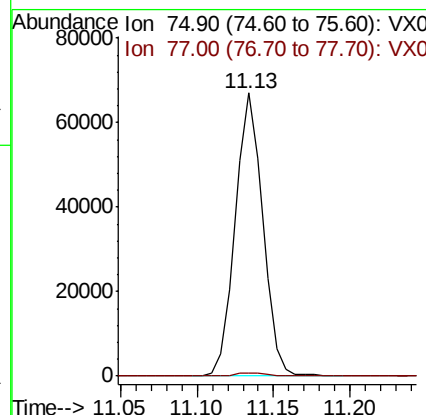
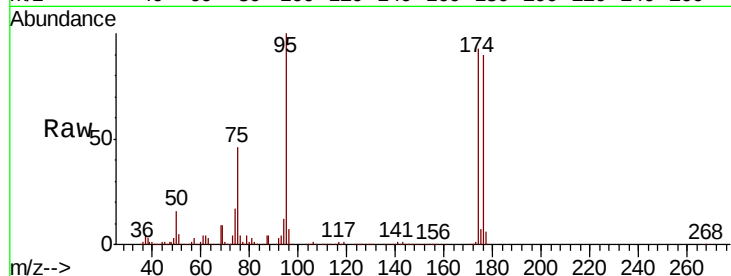




#76
 1,2,3-Trichloropropane
 Concen: 23.631 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010290.D
 Acq: 14 Jun 2019 11:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0614WBL01

Tot Ion: 75 Resp: 83786
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.211 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010290.D
 Acq: 14 Jun 2019 11:08

Tgt Ion: 75 Resp: 83786
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

