

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010333.D
 Acq On : 18 Jun 2019 11:08
 Operator : JC/SP
 Sample : VX0618WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

Quant Time: Jun 19 01:16:03 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	5.65	168	327843	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	497190	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	437142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197164	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	160743	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.49	113	160225	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
50) Toluene-d8	8.71	98	612512	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
62) 4-Bromofluorobenzene	11.13	95	203510	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	

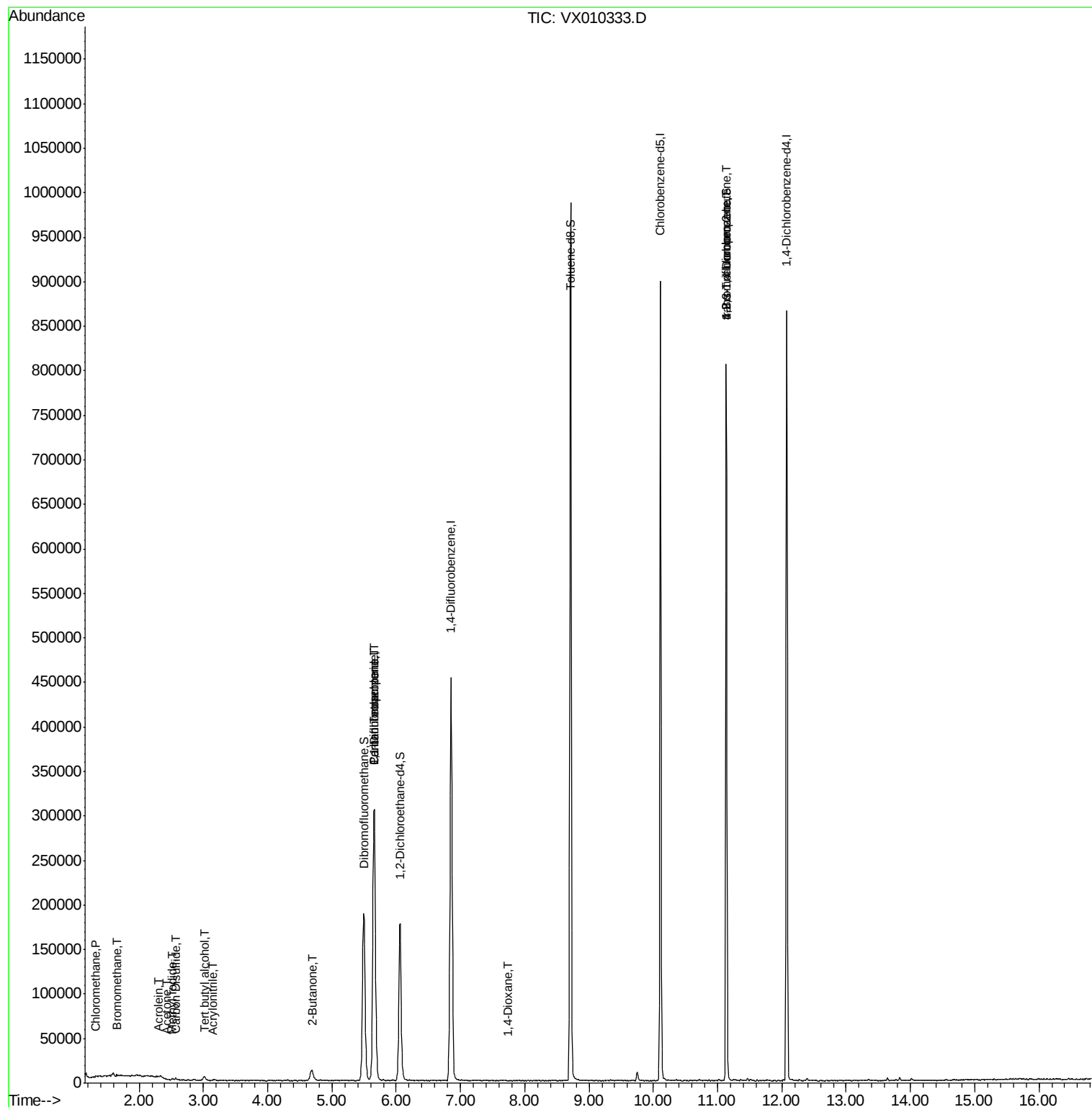
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	679	0.227	ug/l #	58
5) Bromomethane	1.65	94	886	0.834	ug/l	82
10) Methyl Iodide	2.51	142	1563	0.350	ug/l	98
11) Tert butyl alcohol	3.01	59	2626	3.350	ug/l #	81
13) Acrolein	2.29	56	317	2.218	ug/l #	51
15) Acrylonitrile	3.14	53	660	0.412	ug/l	89
16) Acetone	2.43	43	596	0.396	ug/l	98
17) Carbon Disulfide	2.57	76	2076	0.244	ug/l #	93
25) 2-Butanone	4.69	43	1380	0.616	ug/l	99
36) 1,1-Dichloropropene	5.65	75	20040	4.940	ug/l #	51
38) Carbon Tetrachloride	5.65	117	28822	6.278	ug/l #	17
49) 1,4-Dioxane	7.75	88	84	0.893	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	93610	23.737	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	93610	52.445	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061819\
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Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampled :
VX0618WBL01

Quant Time: Jun 19 01:16:03 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: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

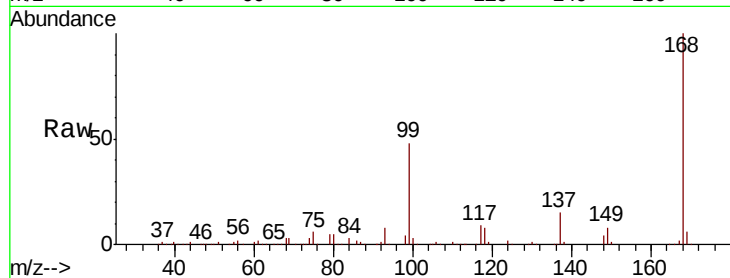
VX0618WBL01

Tot Ion:168 Resp: 327843

Ion Ratio Lower Upper

168 100

99 47.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

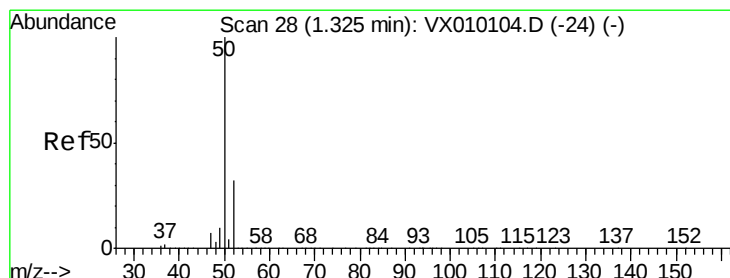
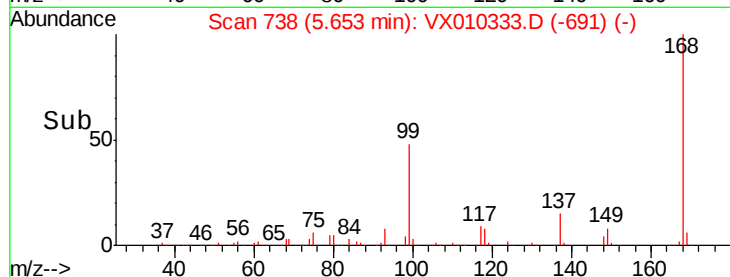
5.65

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.227 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010333.D

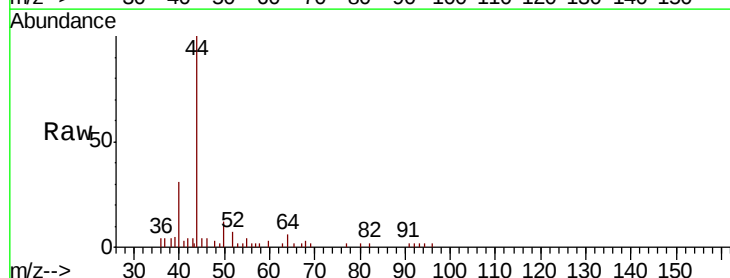
Acq: 18 Jun 2019 11:08

Tgt Ion: 50 Resp: 679

Ion Ratio Lower Upper

50 100

52 56.3 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

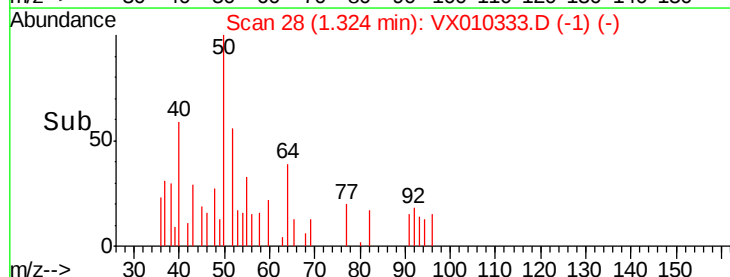
300

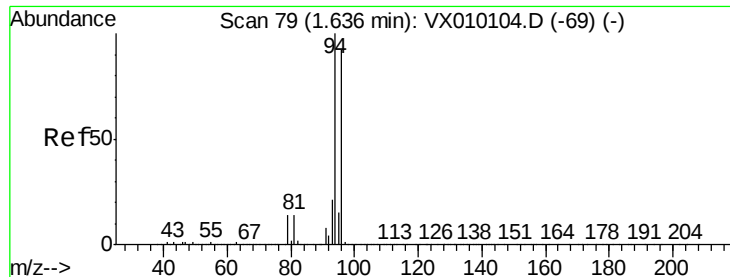
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.834 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

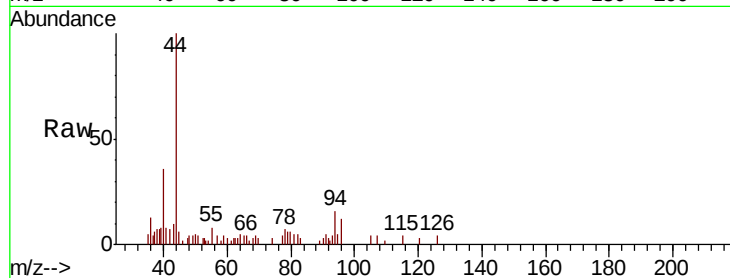
VX0618WBL01

Tot Ion: 94 Resp: 886

Ion Ratio Lower Upper

94 100

96 78.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

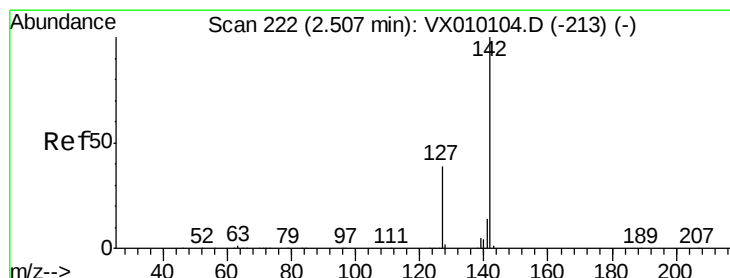
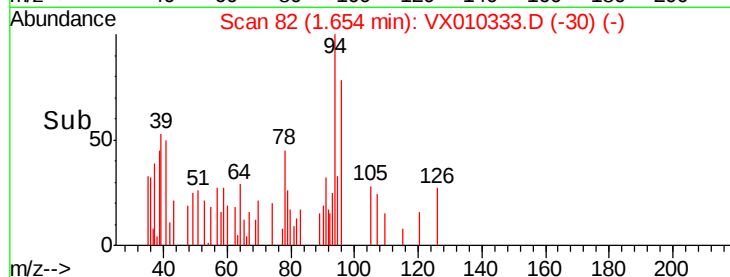
200

100

0

1.60 1.65 1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 0.350 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

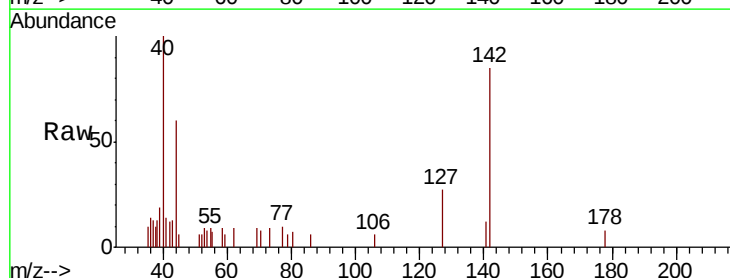
Tgt Ion: 142 Resp: 1563

Ion Ratio Lower Upper

142 100

127 42.7 33.0 49.4

141 15.3 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

1000

800

600

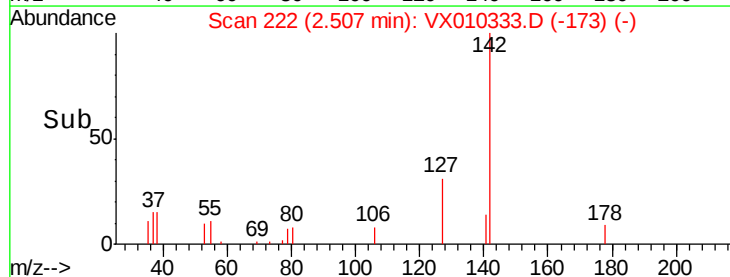
400

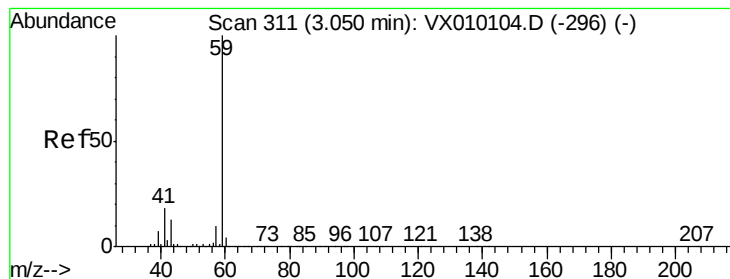
200

0

2.45 2.50 2.55 2.60

Time-->



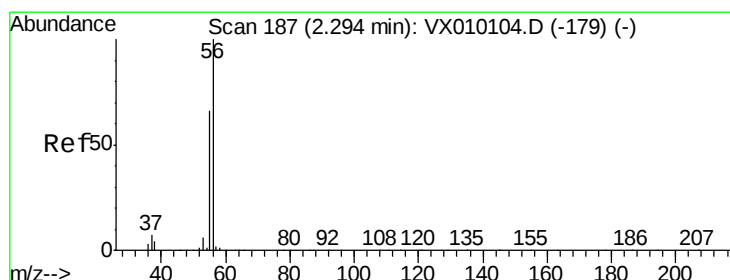
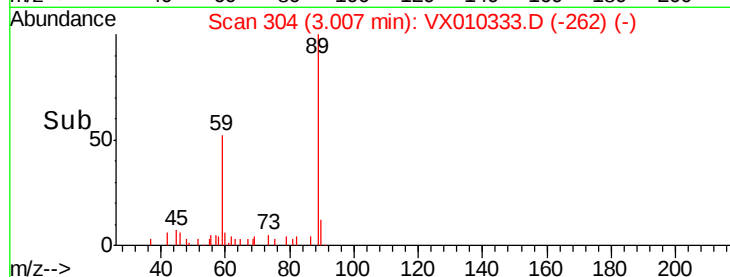
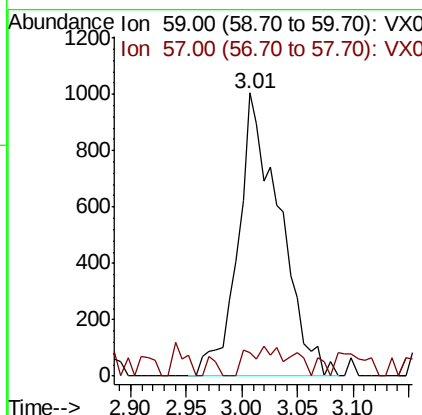
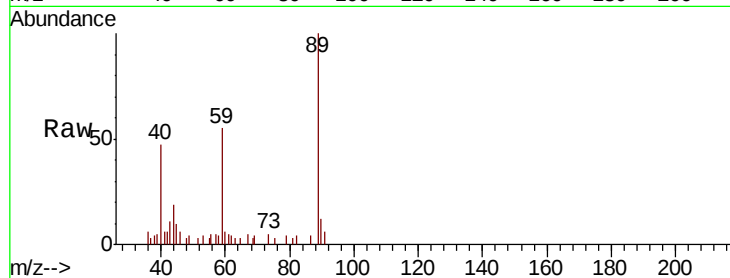


#11

Tert butyl alcohol
Concen: 3.350 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.04 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

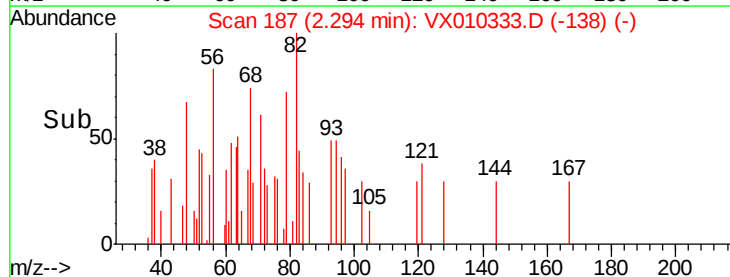
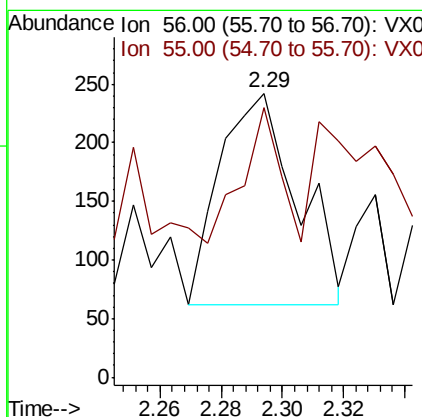
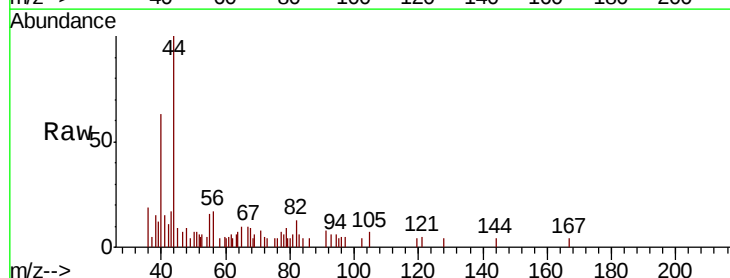
Tot Ion: 59 Resp: 2626
Ion Ratio Lower Upper
59 100
57 3.3 8.2 12.2#

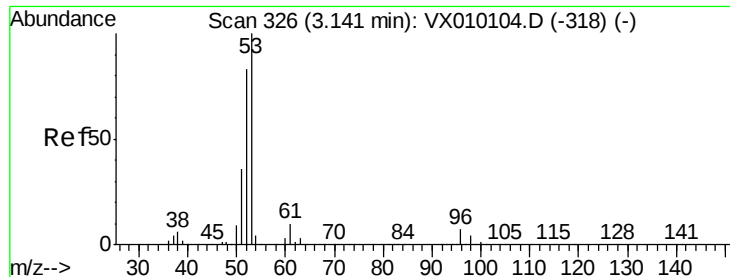


#13

Acrolein
Concen: 2.218 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 30.6 57.0 85.4#





#15

Acrylonitrile

Concen: 0.412 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0618WBL01

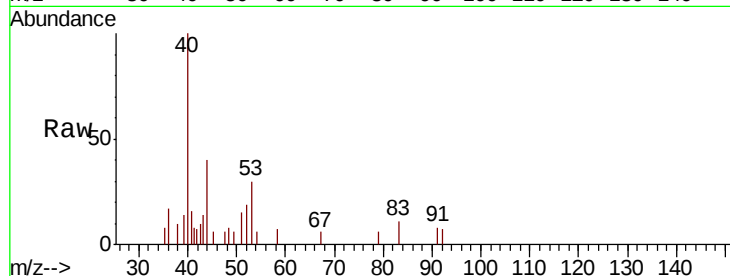
Tot Ion: 53 Resp: 660

Ion Ratio Lower Upper

53 100

52 94.4 66.7 100.1

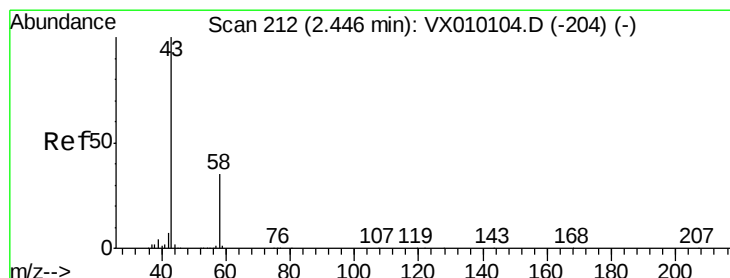
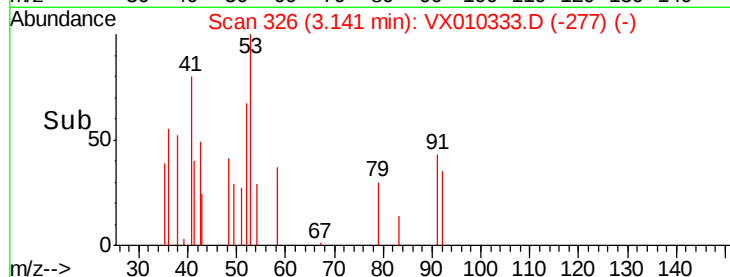
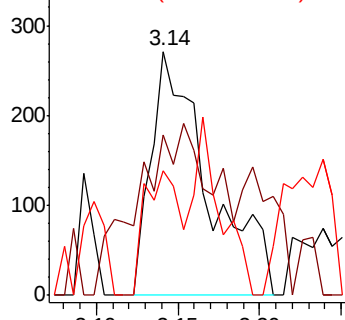
51 31.2 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.396 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010333.D

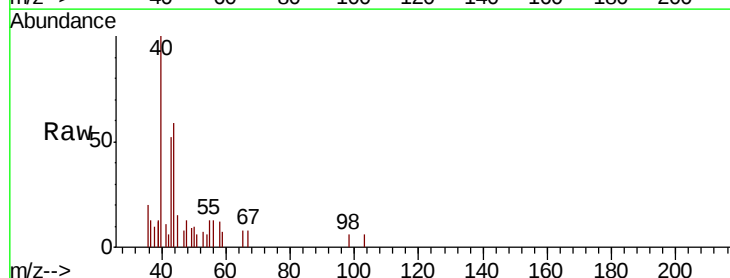
Acq: 18 Jun 2019 11:08

Tgt Ion: 43 Resp: 596

Ion Ratio Lower Upper

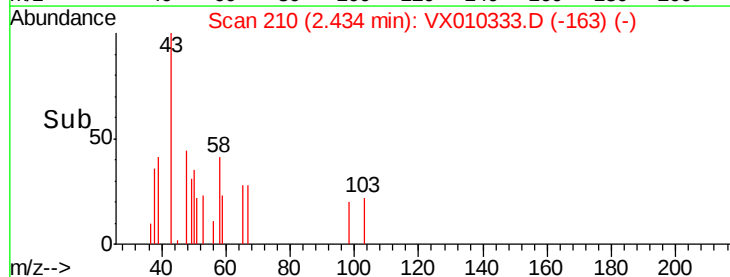
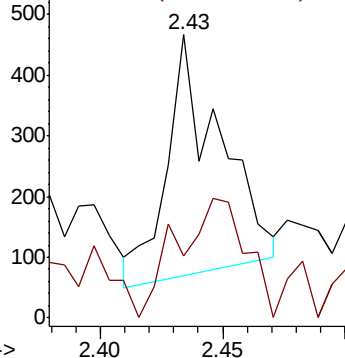
43 100

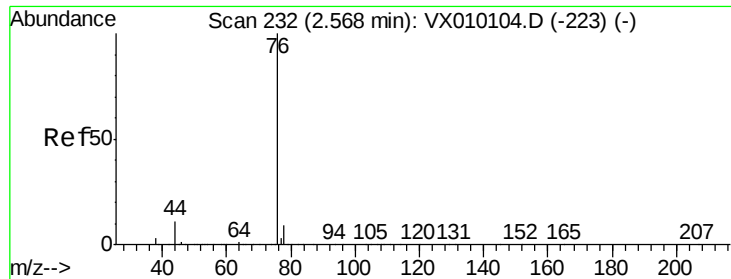
58 28.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

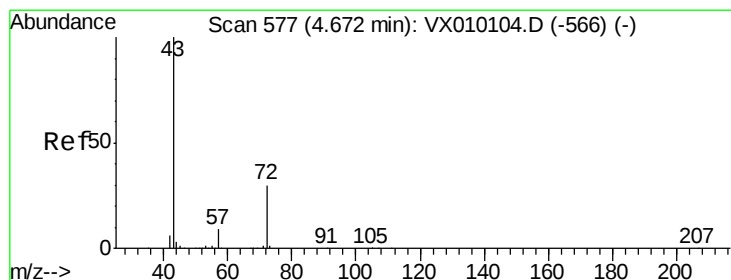
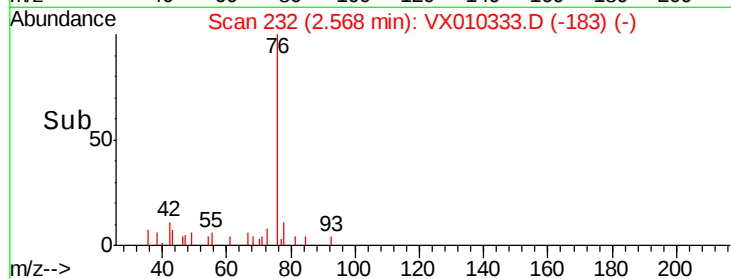
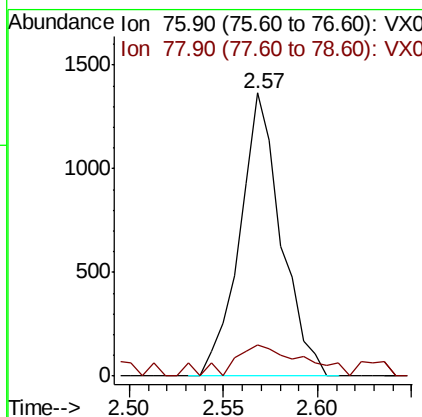
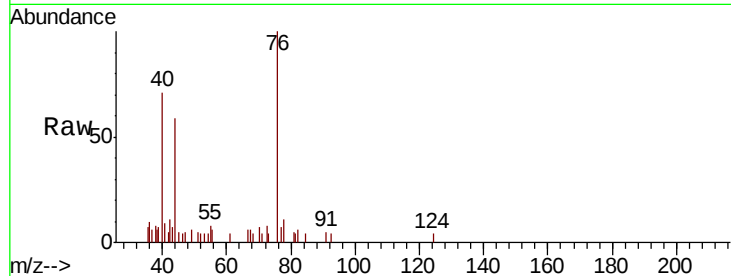




#17
Carbon Disulfide
Concen: 0.244 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

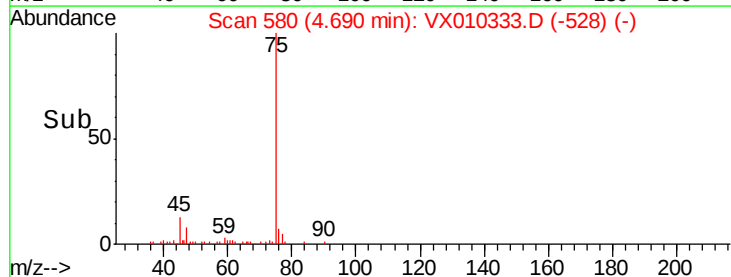
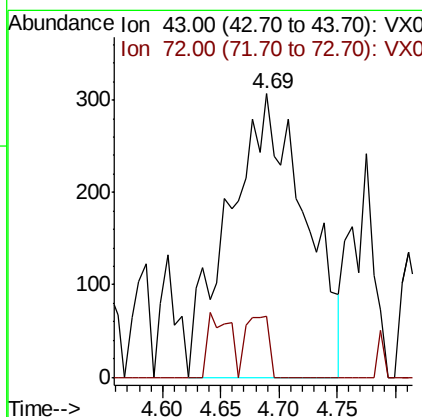
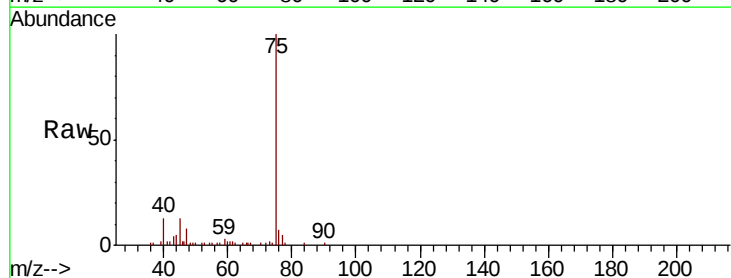
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

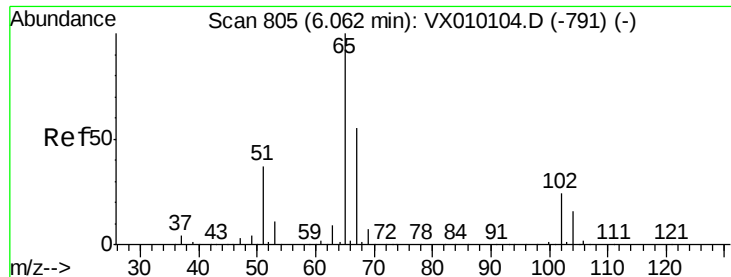
Tot Ion: 76 Resp: 2076
Ion Ratio Lower Upper
76 100
78 6.3 7.0 10.6#



#25
2-Butanone
Concen: 0.616 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
72 21.5 17.5 26.3





#33

1,2-Dichloroethane-d4

Concen: 50.230 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

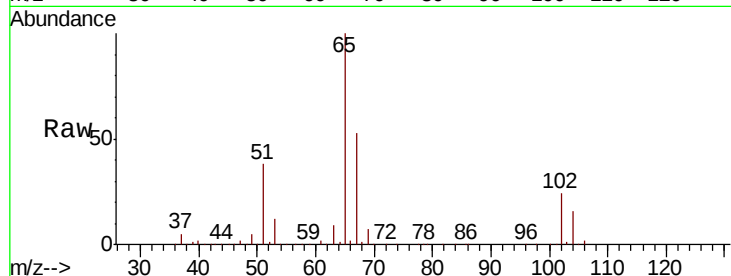
VX0618WBL01

Tot Ion: 65 Resp: 160743

Ion Ratio Lower Upper

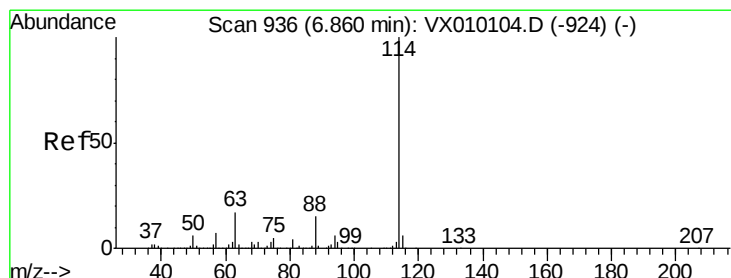
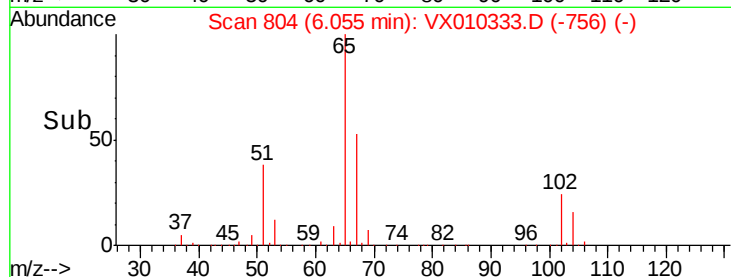
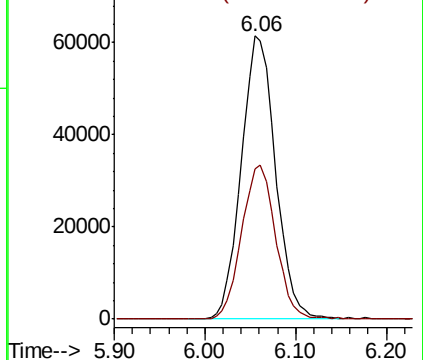
65 100

67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

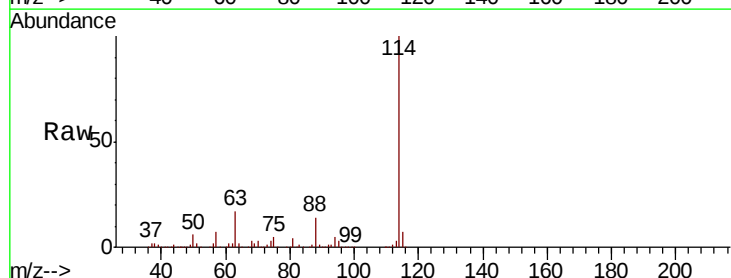
Tgt Ion: 114 Resp: 497190

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

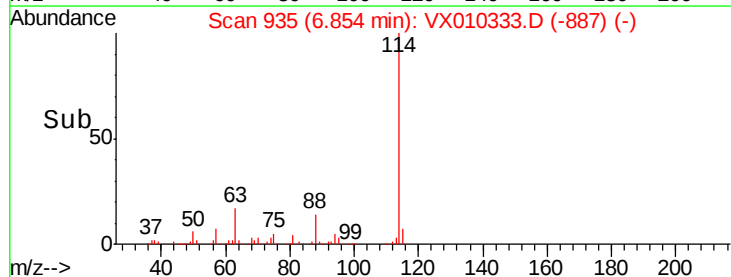
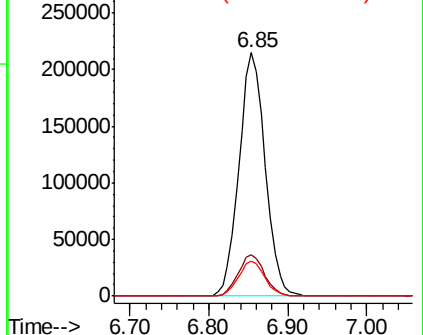
88 14.4 0.0 33.0

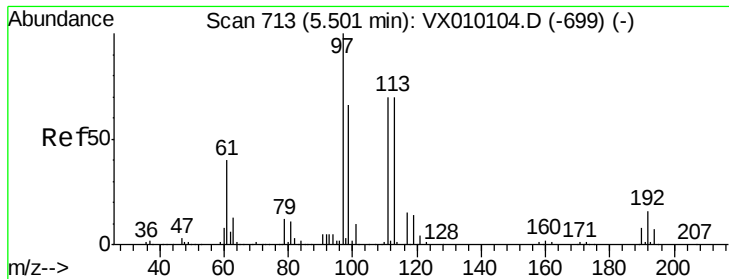


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.245 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

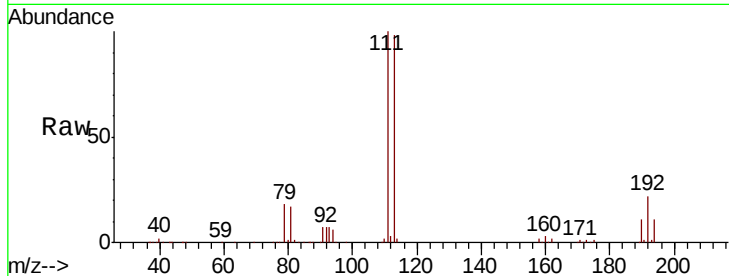
Tot Ion:113 Resp: 160225

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

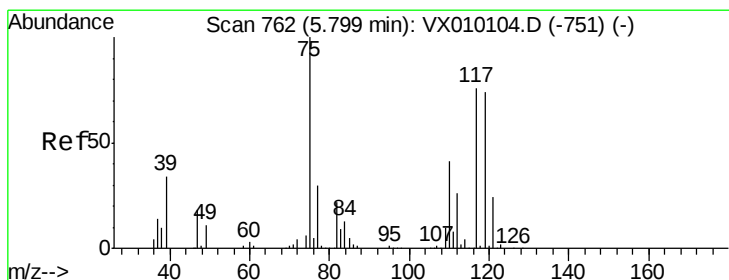
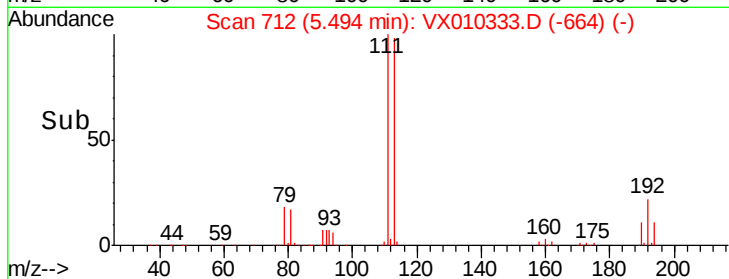
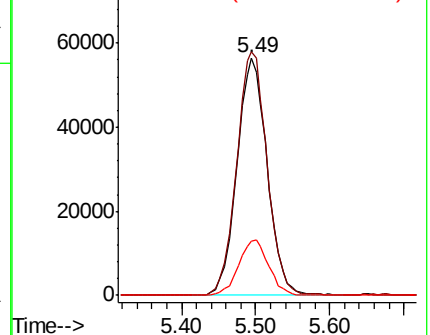
192 23.2 17.1 25.7



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: 4.940 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

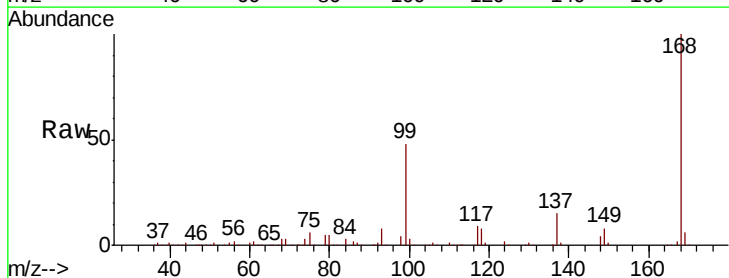
Tgt Ion: 75 Resp: 20040

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

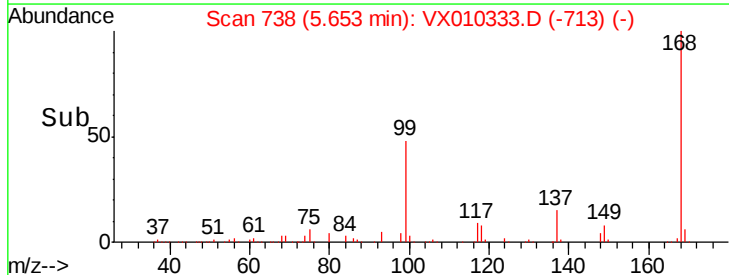
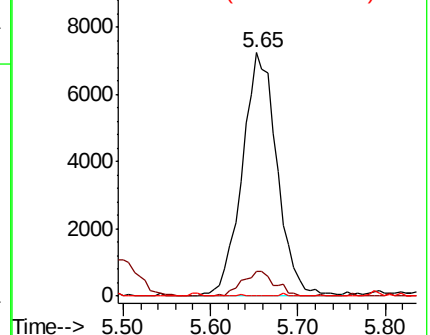
77 0.1 25.0 37.4#

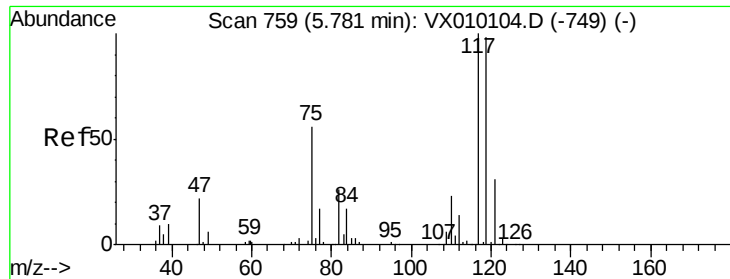


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.278 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0618WBL01

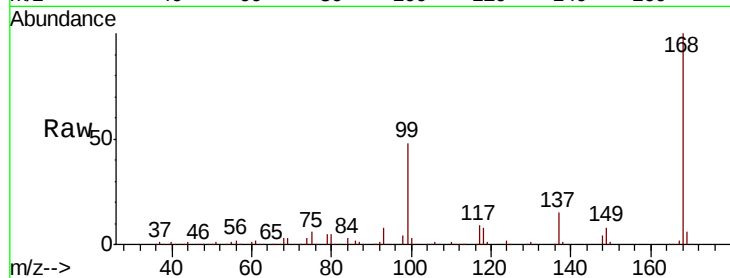
Tot Ion:117 Resp: 28822

Ion Ratio Lower Upper

117 100

119 6.5 77.3 115.9#

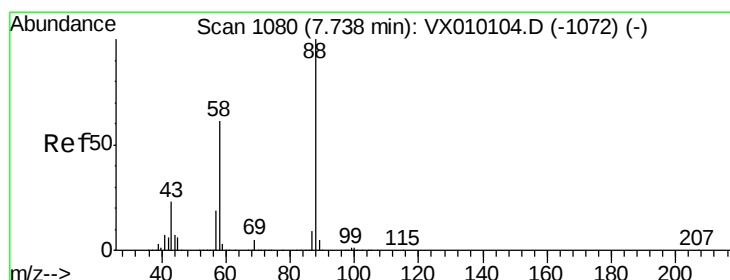
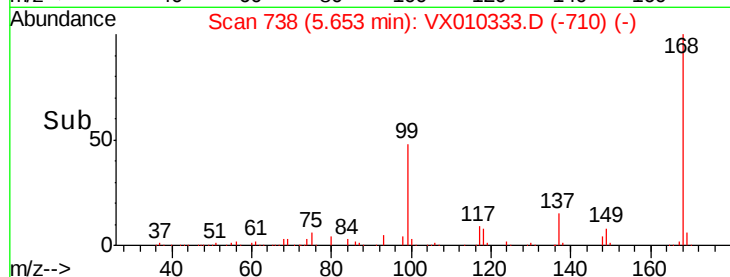
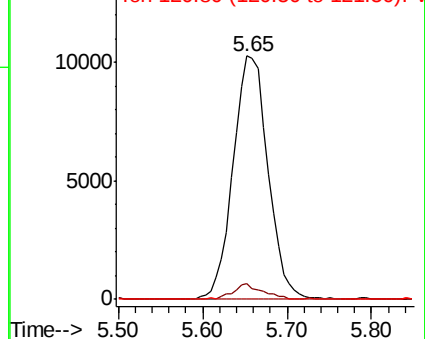
121 0.0 25.4 38.0#



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: 0.893 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010333.D

Acq: 18 Jun 2019 11:08

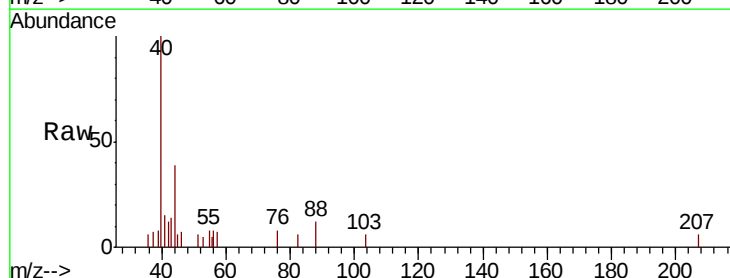
Tgt Ion: 88 Resp: 84

Ion Ratio Lower Upper

88 100

43 261.9 30.2 45.4#

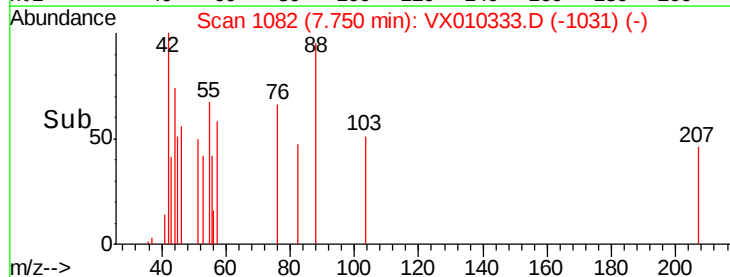
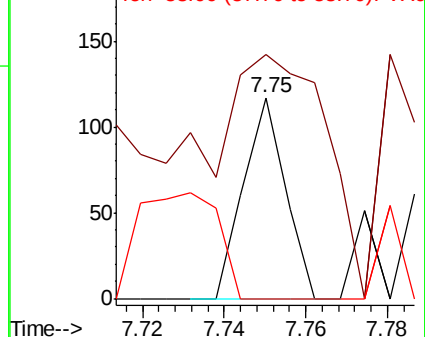
58 100.0 64.0 96.0#

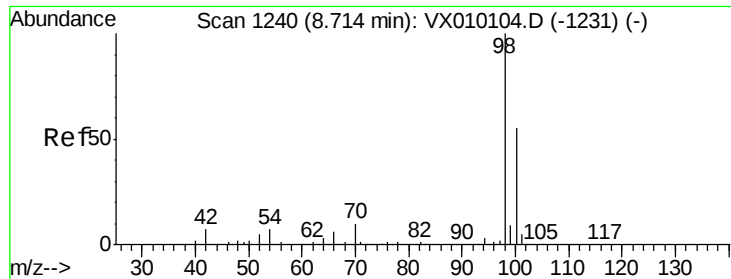


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

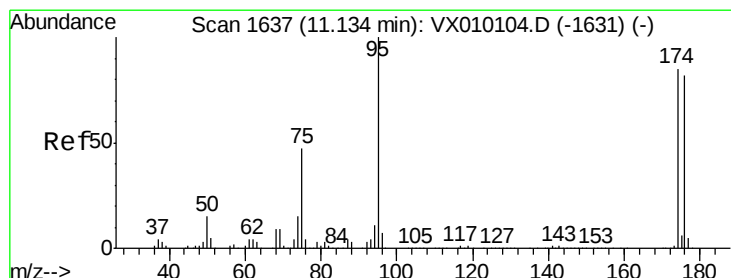
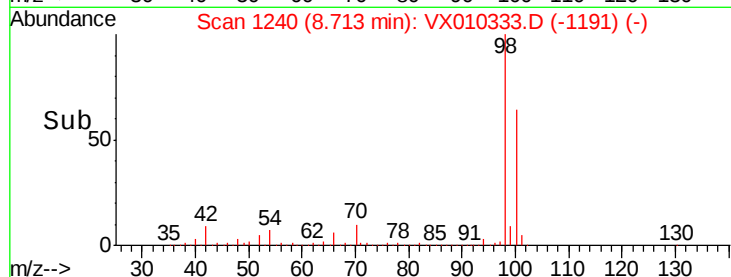
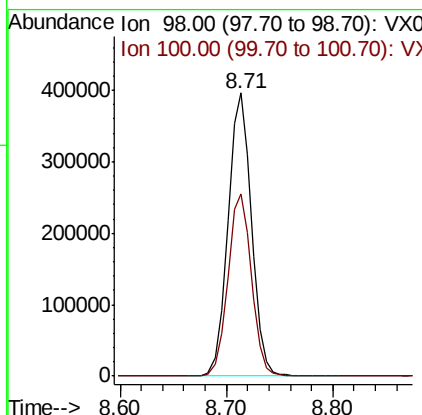
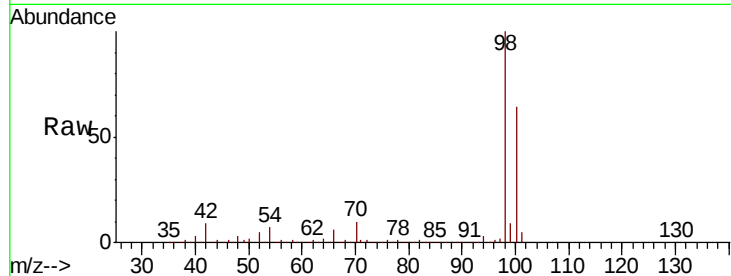




#50
Toluene-d8
Concen: 53.291 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

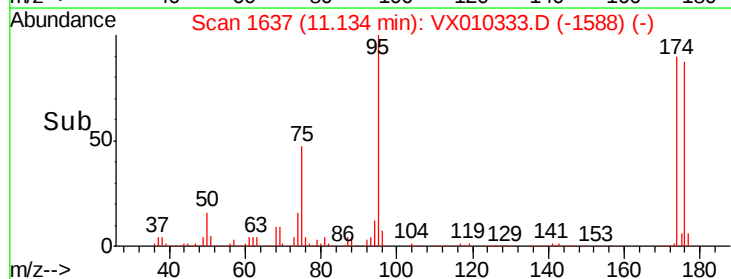
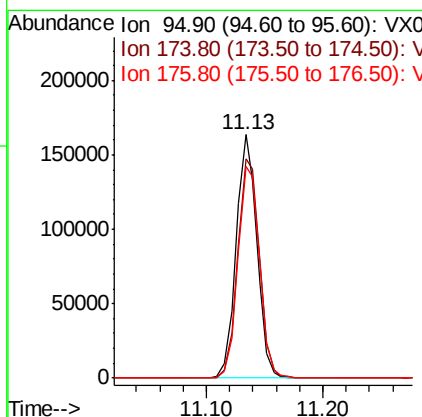
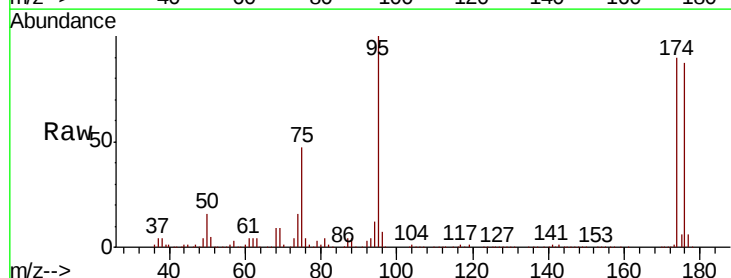
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

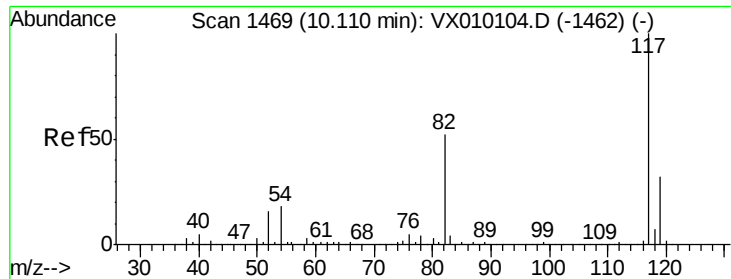
Tot Ion: 98 Resp: 612512
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 47.411 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Tgt Ion: 95 Resp: 203510
Ion Ratio Lower Upper
95 100
174 94.2 0.0 160.4
176 90.8 0.0 154.6

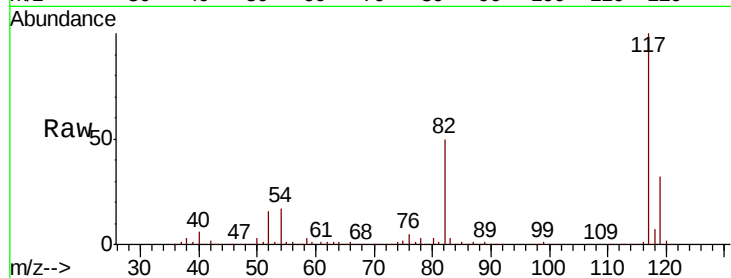




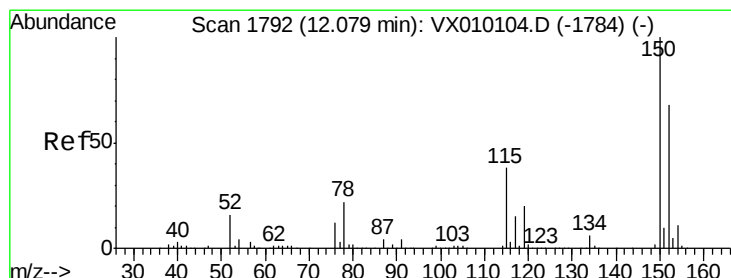
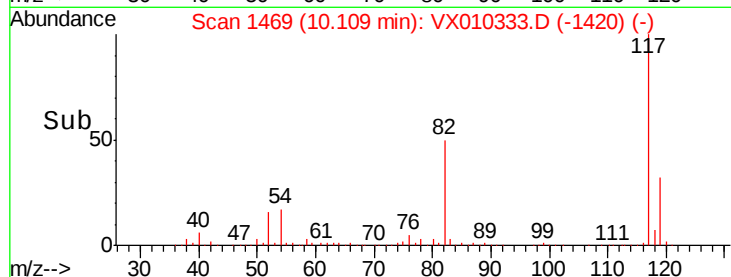
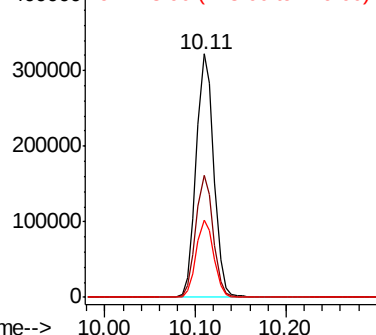
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

Tot Ion:117 Resp: 437142
Ion Ratio Lower Upper
117 100
82 50.0 49.2 73.8
119 31.9 25.2 37.8

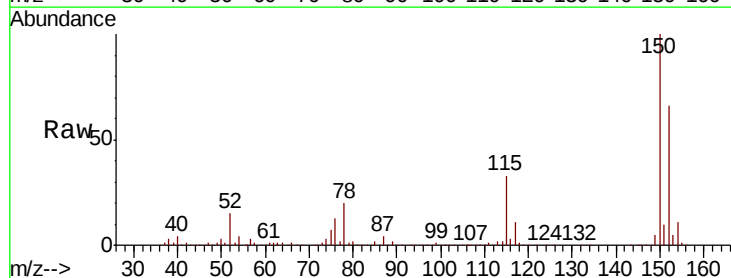


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

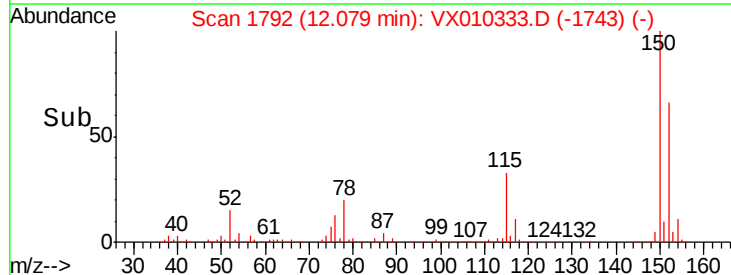
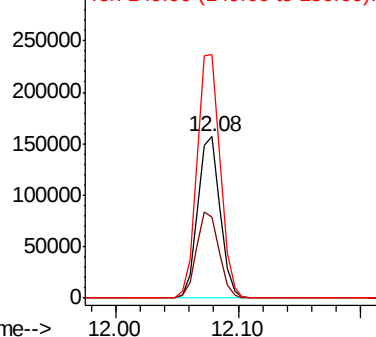


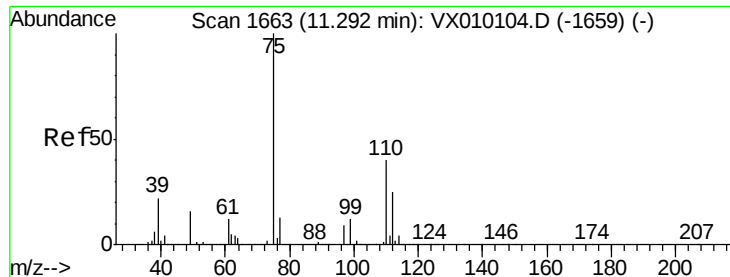
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010333.D
Acq: 18 Jun 2019 11:08

Tgt Ion:152 Resp: 197164
Ion Ratio Lower Upper
152 100
115 53.9 41.4 124.2
150 156.2 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

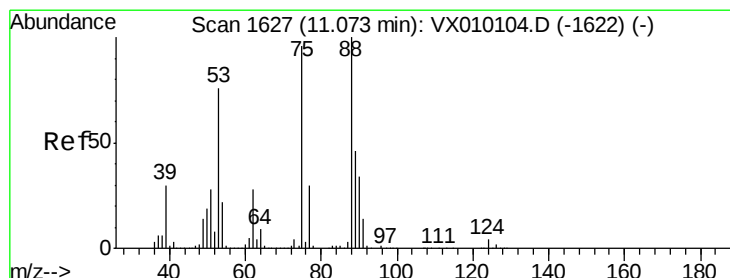
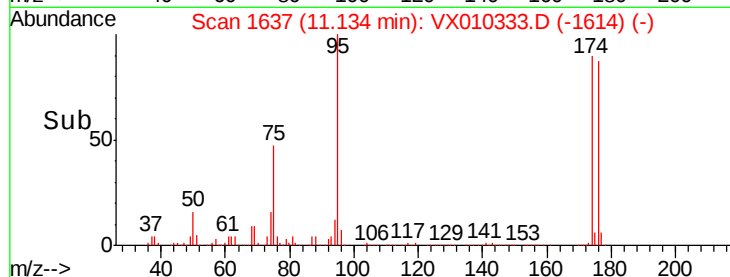
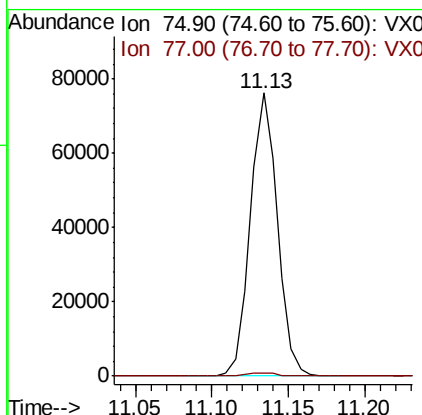
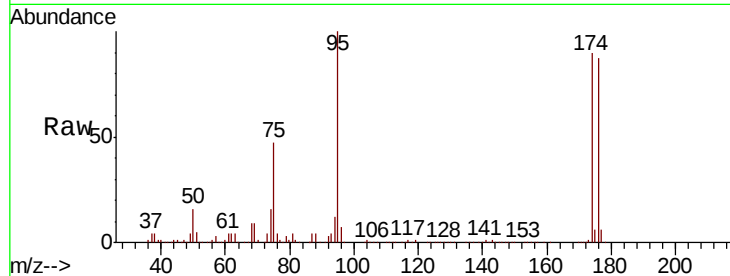




#76
 1,2,3-Trichloropropane
 Concen: 23.737 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010333.D
 Acq: 18 Jun 2019 11:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

Tot Ion: 75 Resp: 93610
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.445 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010333.D
 Acq: 18 Jun 2019 11:08

Tgt Ion: 75 Resp: 93610
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.8 119.6#
 89 0.1 34.2 51.4#

