

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010270.D
 Acq On : 13 Jun 2019 14:16
 Operator : JC/SP
 Sample : K3309-17 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:32:25 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	316170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	426446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195317	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	142114	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
35) Dibromofluoromethane	5.49	113	145389	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	8.71	98	554371	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	185151	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

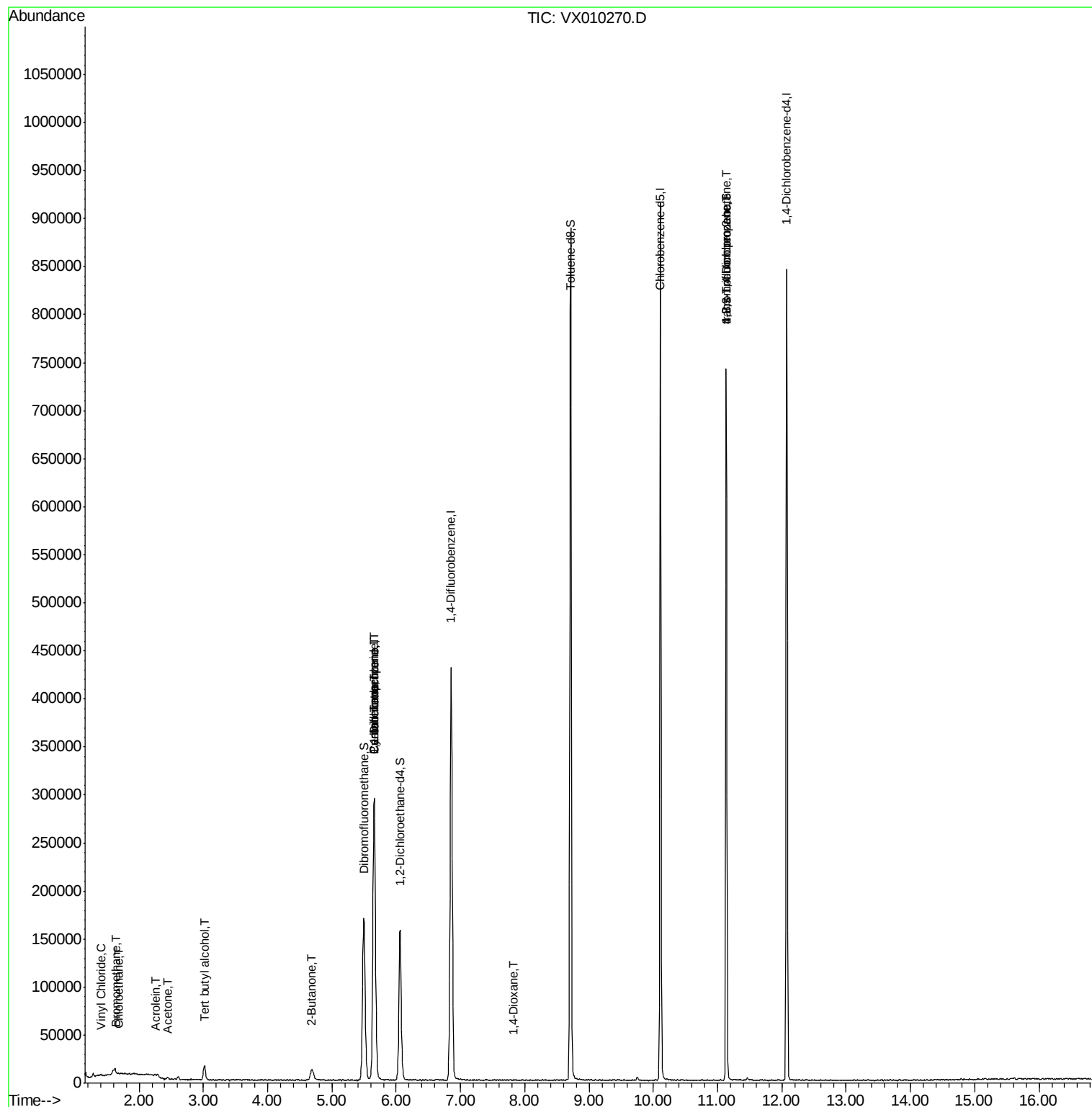
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1044	0.384	ug/l	98
5) Bromomethane	1.64	94	260	0.254	ug/l #	78
6) Chloroethane	1.69	64	1412	1.031	ug/l #	54
11) Tert butyl alcohol	3.02	59	8337	11.027	ug/l #	79
13) Acrolein	2.26	56	118	0.856	ug/l #	80
16) Acetone	2.45	43	1632	1.124	ug/l	91
25) 2-Butanone	4.68	43	533	0.247	ug/l #	54
31) Cyclohexane	5.65	56	5049	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	19310	4.964	ug/l #	52
38) Carbon Tetrachloride	5.66	117	27330	6.207	ug/l #	16
49) 1,4-Dioxane	7.84	88	48	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85503	21.886	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85503	48.356	ug/l #	10

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

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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: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

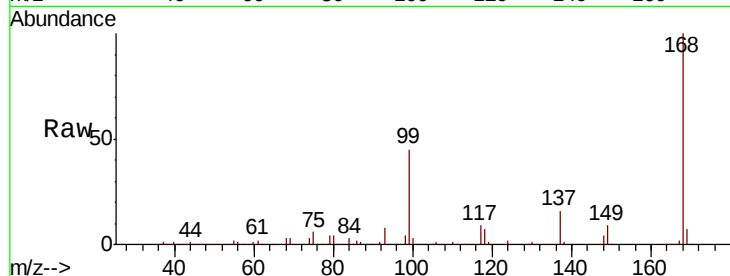
ClientSampleId :

Tot Ion:168 Resp: 316170

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

120000

100000

80000

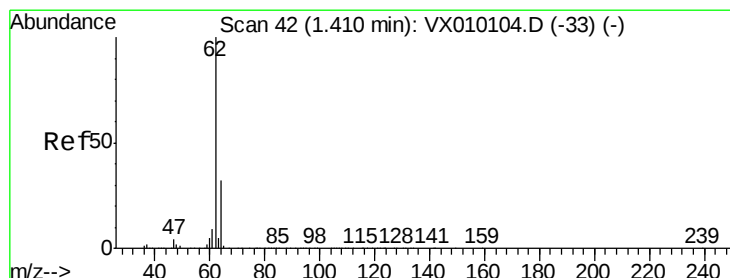
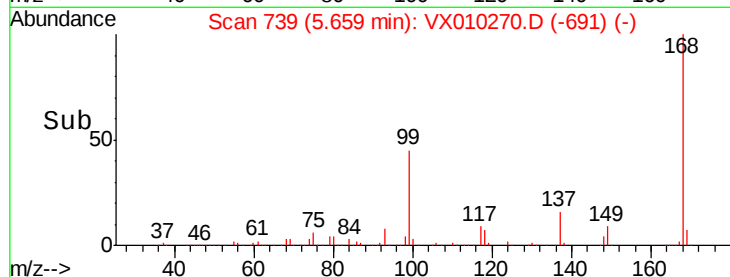
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.384 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010270.D

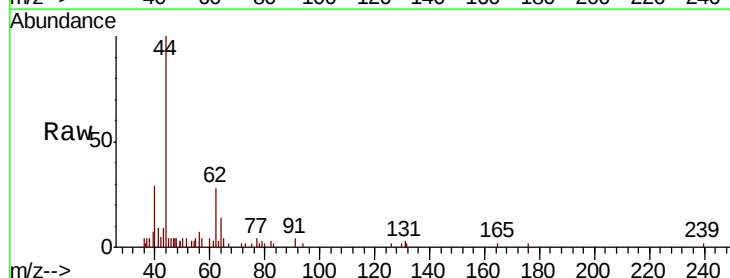
Acq: 13 Jun 2019 14:16

Tgt Ion: 62 Resp: 1044

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

800

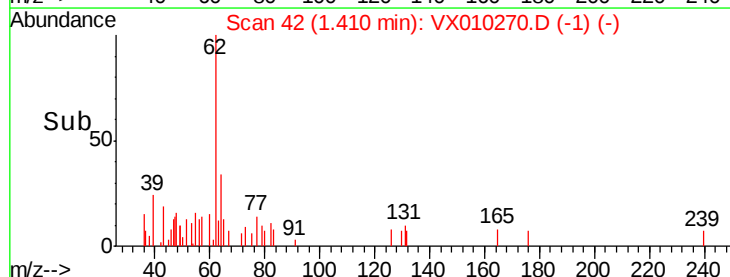
600

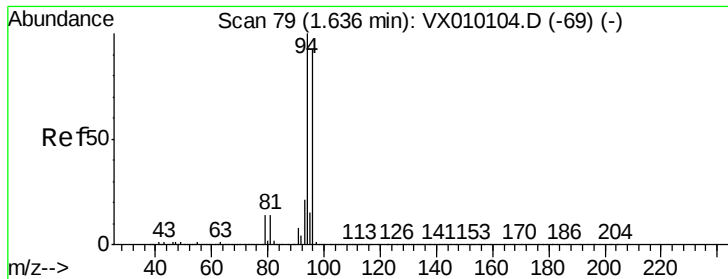
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.254 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

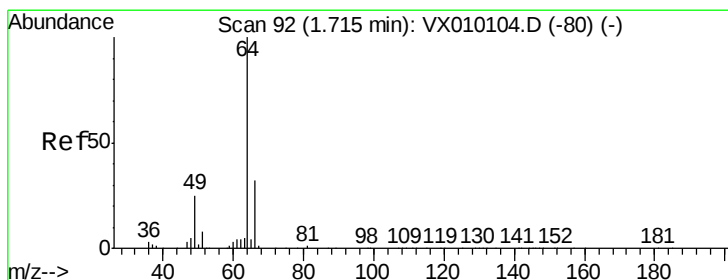
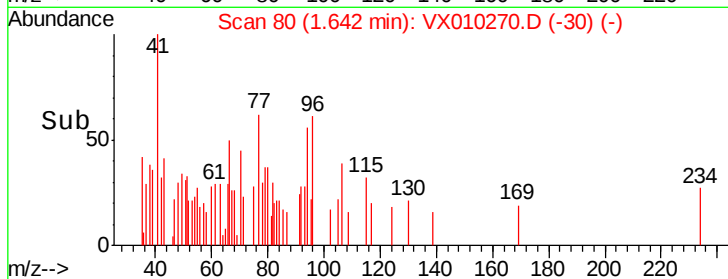
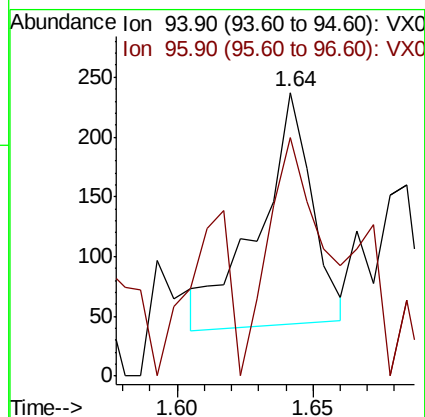
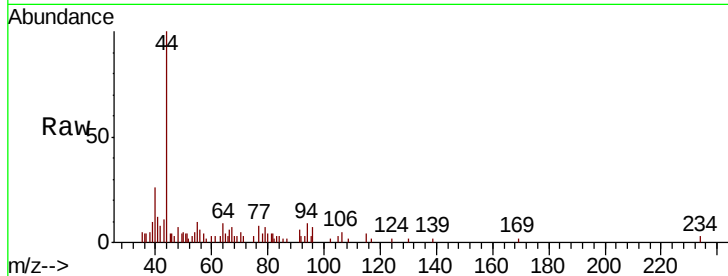
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 260

Ion Ratio Lower Upper

94 100

96 73.7 76.2 114.4#



#6

Chloroethane

Concen: 1.031 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010270.D

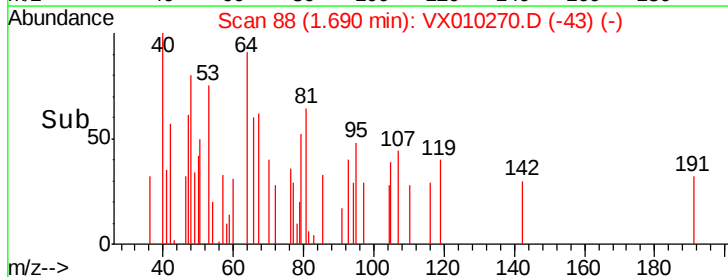
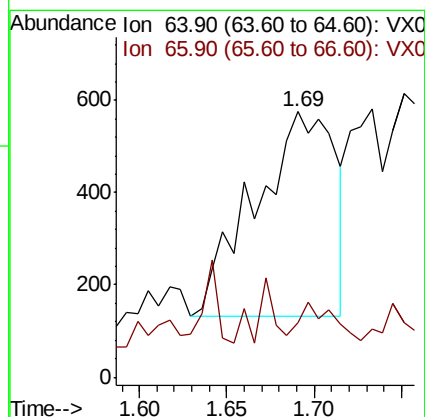
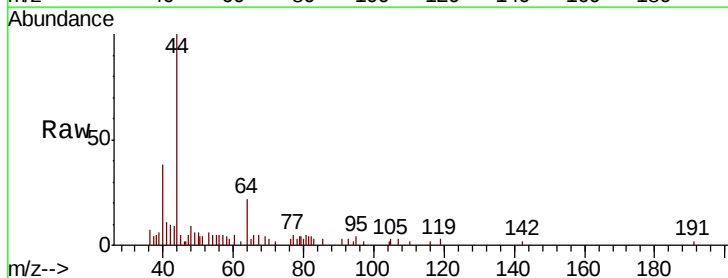
Acq: 13 Jun 2019 14:16

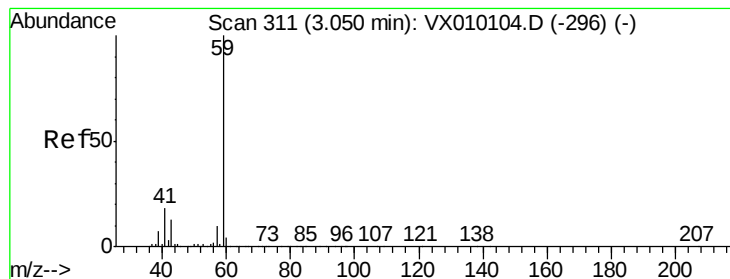
Tgt Ion: 64 Resp: 1412

Ion Ratio Lower Upper

64 100

66 5.9 25.1 37.7#





#11

Tert butyl alcohol

Concen: 11.027 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

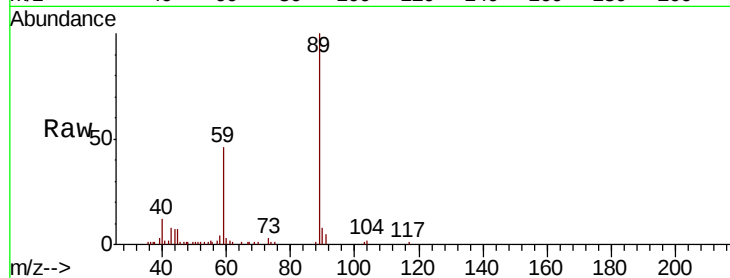
ClientSampleId :

Tot Ion: 59 Resp: 8337

Ion Ratio Lower Upper

59 100

57 2.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

4000

3000

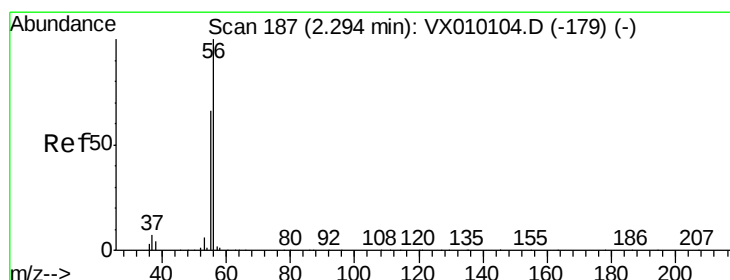
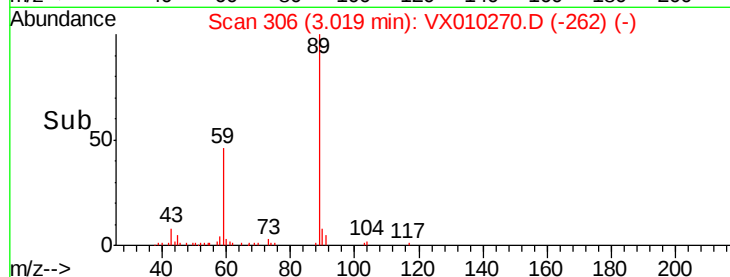
2000

1000

0

Time-->

2.90 3.00 3.10



#13

Acrolein

Concen: 0.856 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010270.D

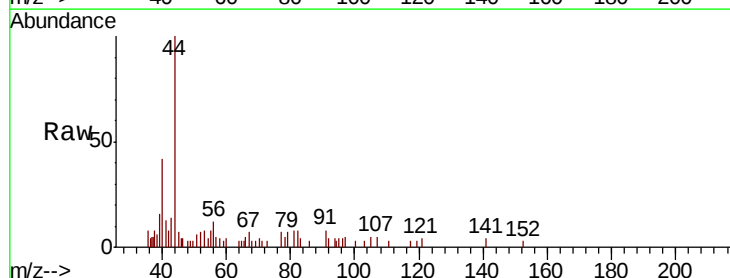
Acq: 13 Jun 2019 14:16

Tgt Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 54.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

300

250

200

150

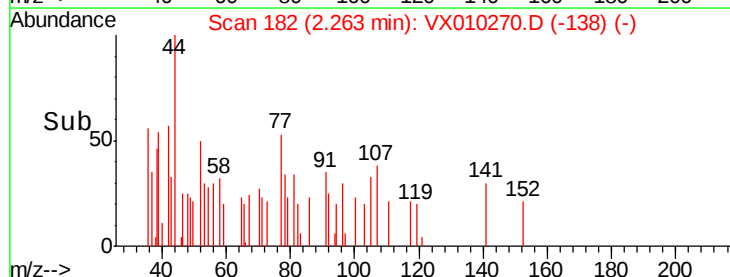
100

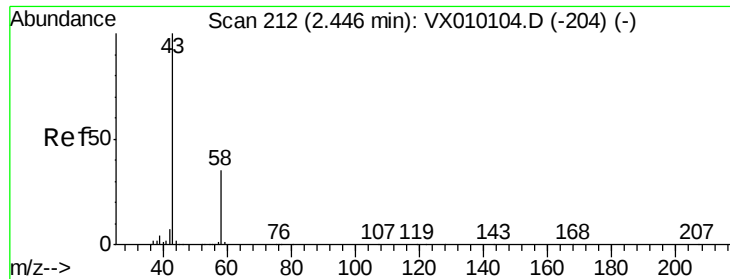
50

0

Time-->

2.24 2.26 2.28





#16

Acetone

Concen: 1.124 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

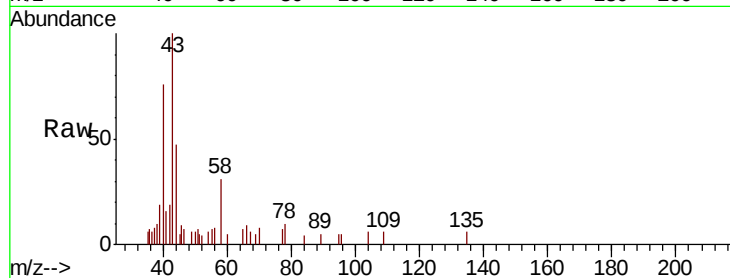
ClientSampled :

Tot Ion: 43 Resp: 1632

Ion Ratio Lower Upper

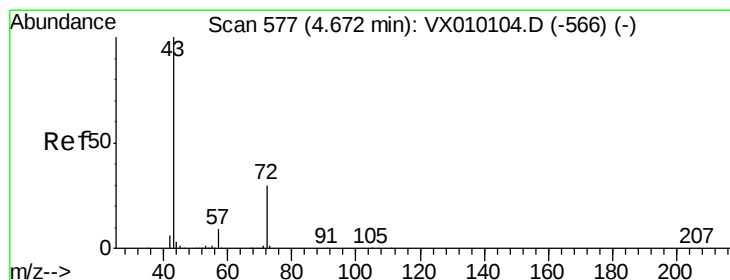
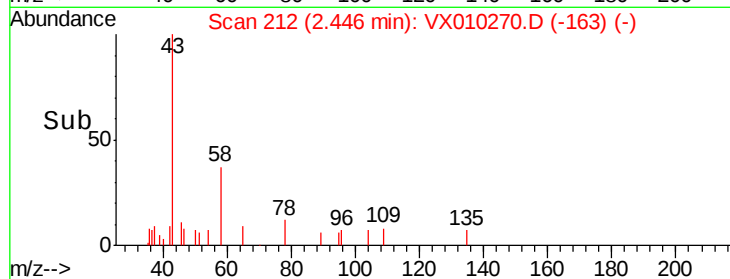
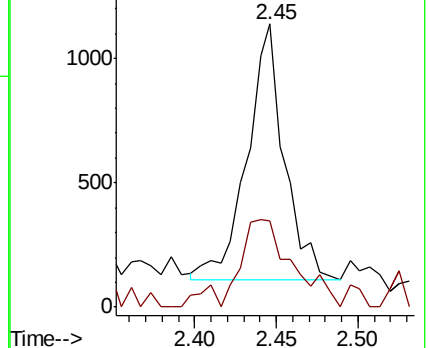
43 100

58 33.9 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.247 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010270.D

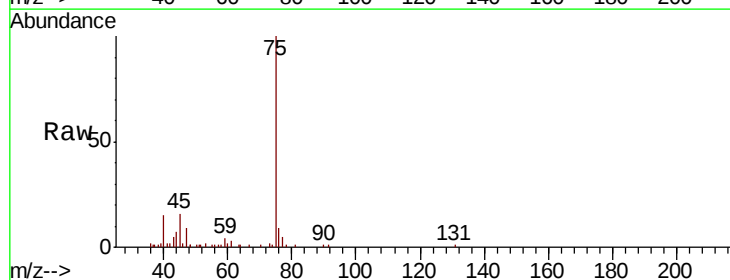
Acq: 13 Jun 2019 14:16

Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

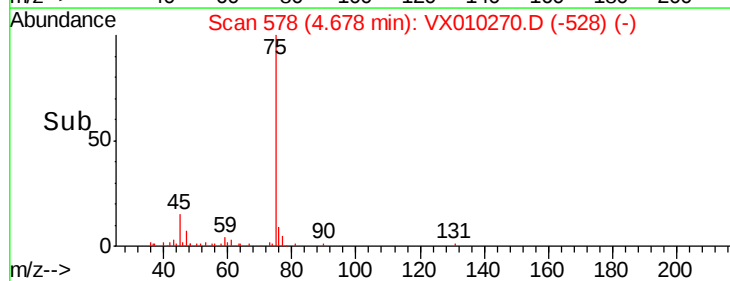
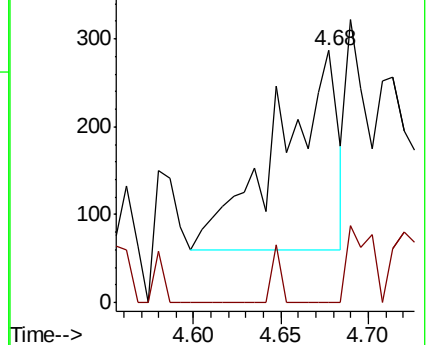
43 100

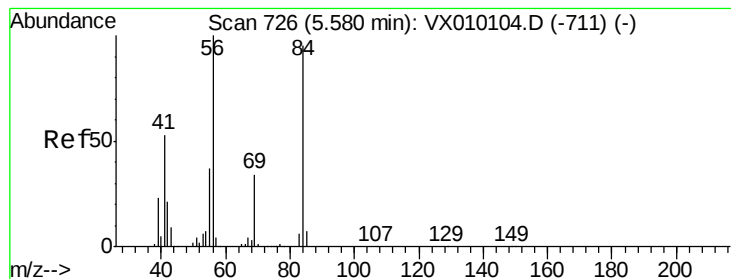
72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

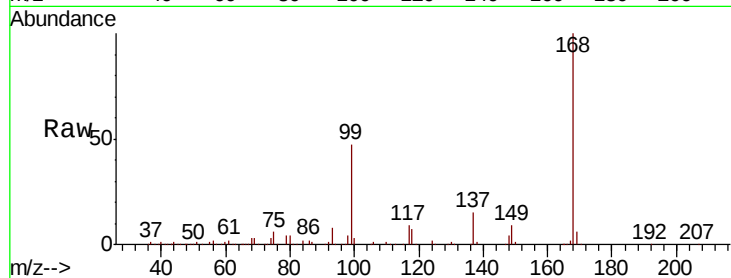
Tot Ion: 56 Resp: 5049

Ion Ratio Lower Upper

56 100

69 168.0 21.6 32.4#

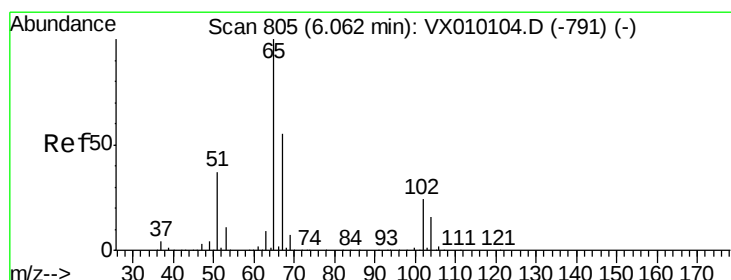
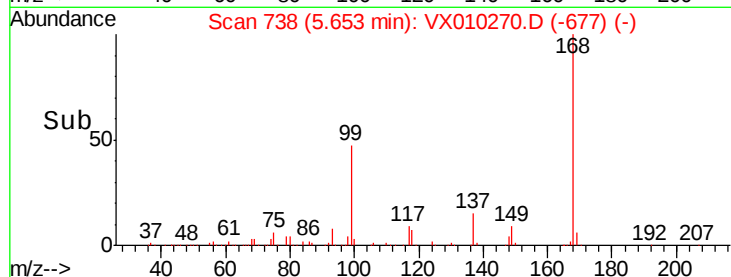
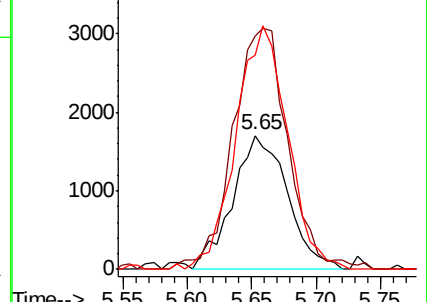
84 156.3 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.049 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010270.D

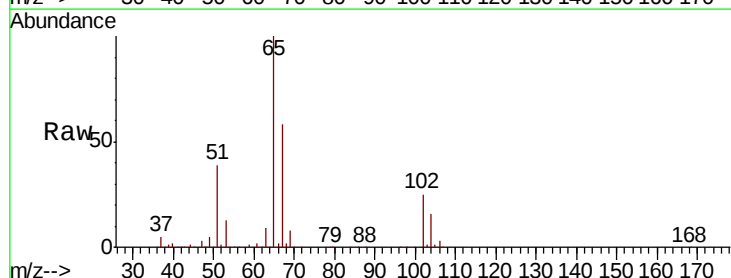
Acq: 13 Jun 2019 14:16

Tgt Ion: 65 Resp: 142114

Ion Ratio Lower Upper

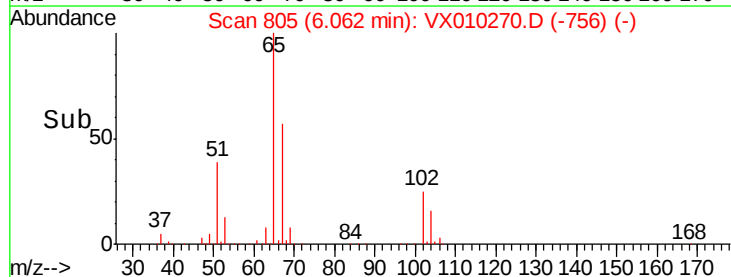
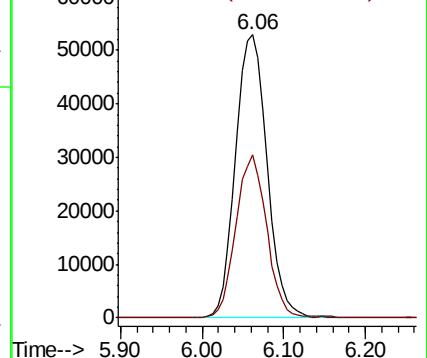
65 100

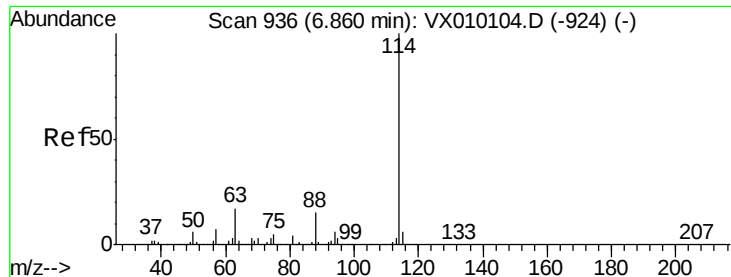
67 55.7 0.0 108.4



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: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampled :

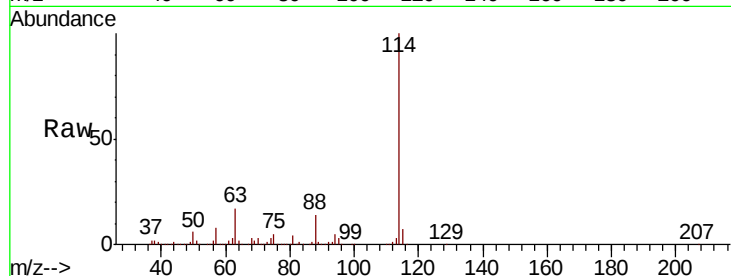
Tot Ion:114 Resp: 476808

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

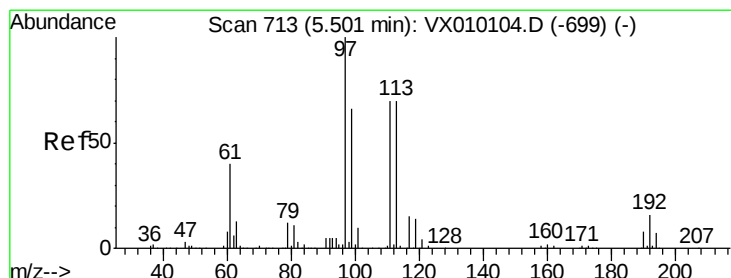
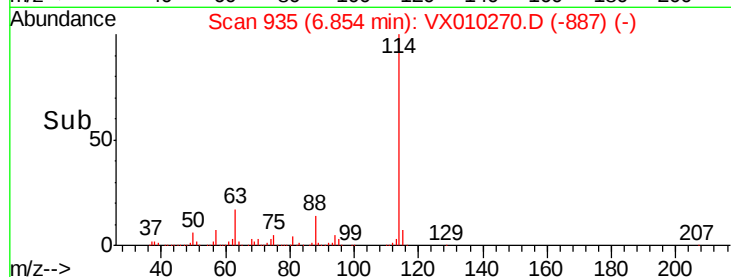
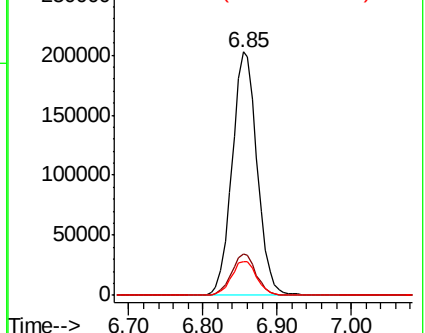
88 14.1 0.0 33.0



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: 49.434 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

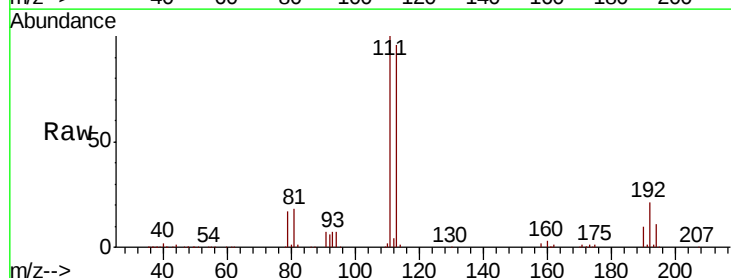
Tgt Ion:113 Resp: 145389

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.2

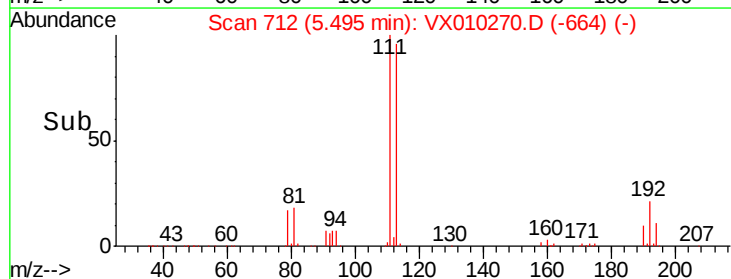
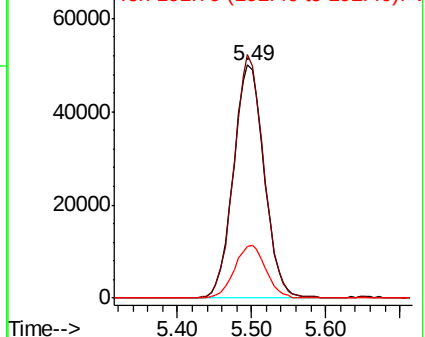
192 23.2 17.1 25.7

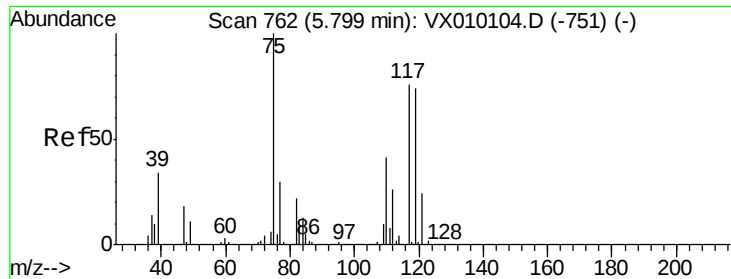


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

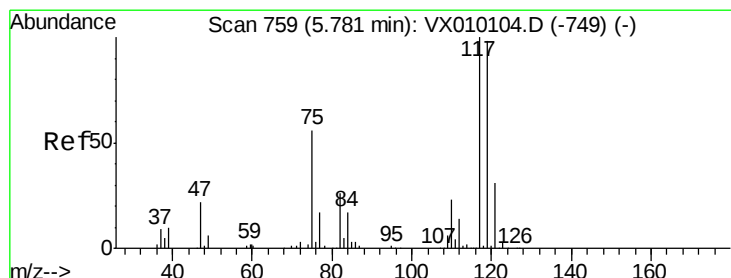
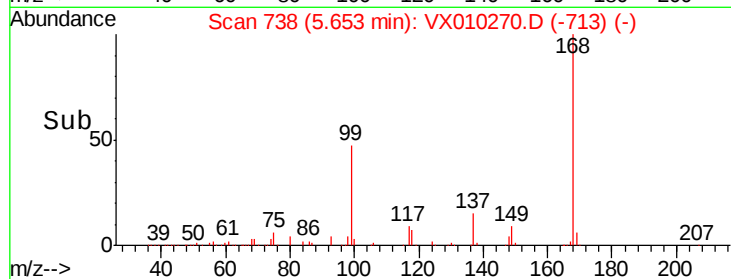
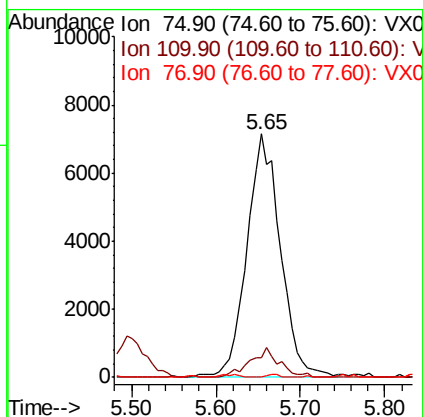
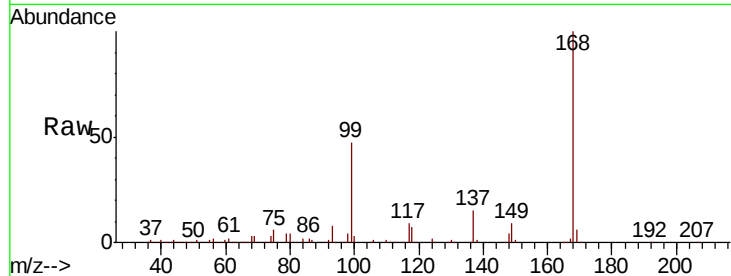




#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010270.D
 Acq: 13 Jun 2019 14:16

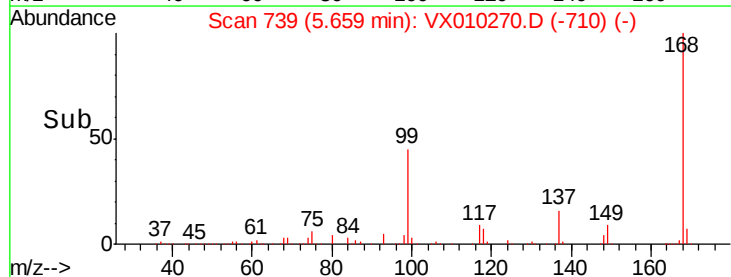
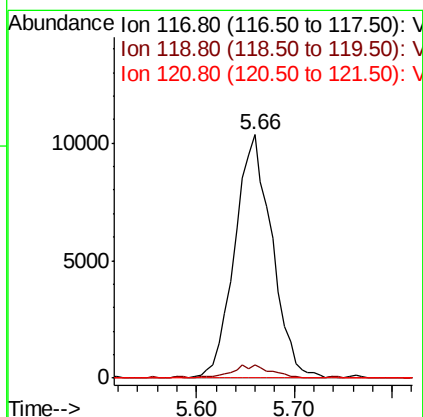
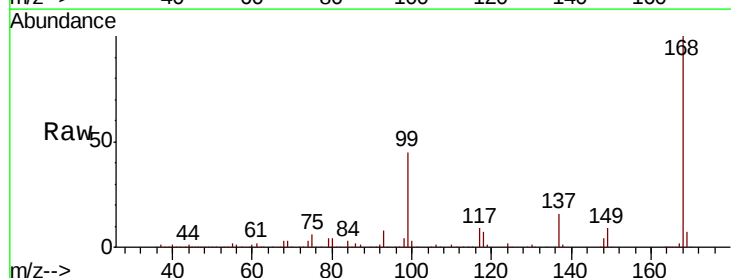
Instrument :
 MSVOA_X
 ClientSampled :

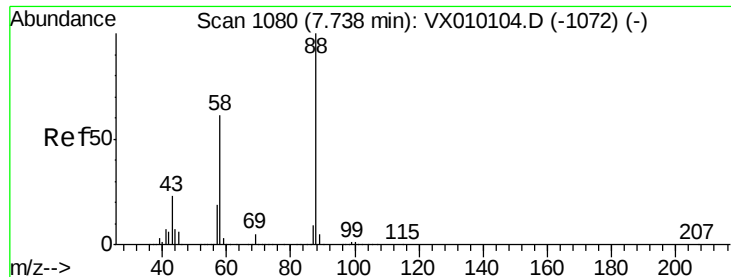
Tot Ion	75	110	77	Resp	19310	Lower	Upper
Ion Ratio	100	10.7	0.4				
		16.7	25.0				
		50.1#	37.4#				



#38
 Carbon Tetrachloride
 Concen: 6.207 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX010270.D
 Acq: 13 Jun 2019 14:16

Tgt Ion	117	119	121	Resp	27330	Lower	Upper
Ion Ratio	100	5.6	0.0				
		77.3	25.4				
		115.9#	38.0#				

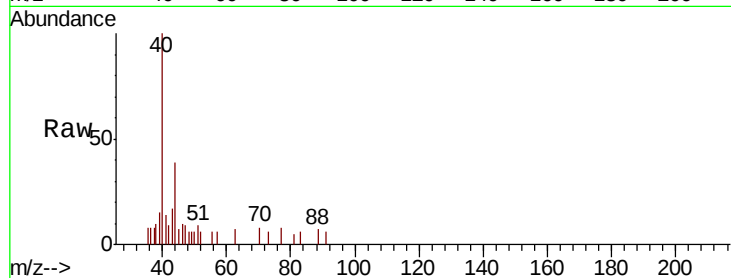




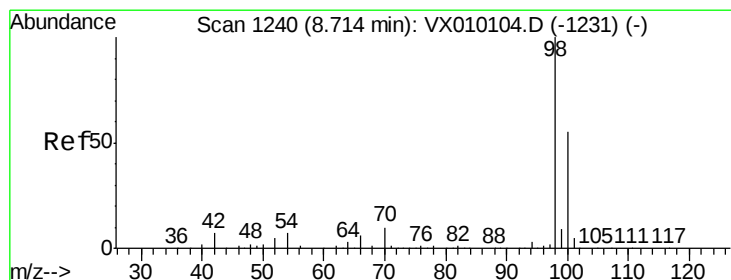
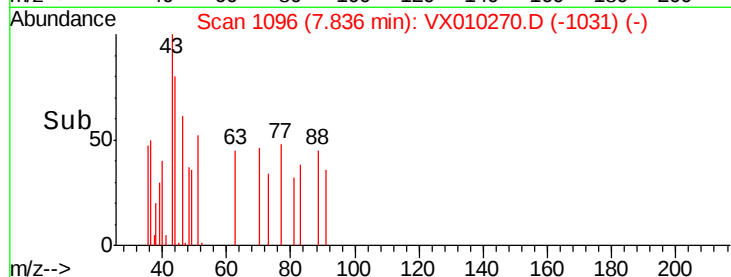
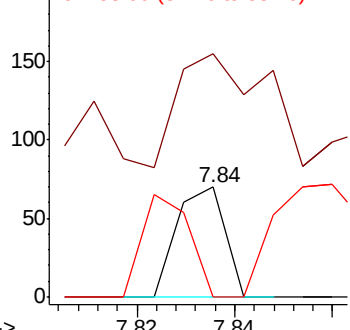
#49
 1,4-Dioxane
 Concen: 0.532 ug/l
 RT: 7.84 min Scan# 1096
 Delta R.T. 0.10 min
 Lab File: VX010270.D
 Acq: 13 Jun 2019 14:16

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 48
 Ion Ratio Lower Upper
 88 100
 43 256.3 30.2 45.4#
 58 91.7 64.0 96.0

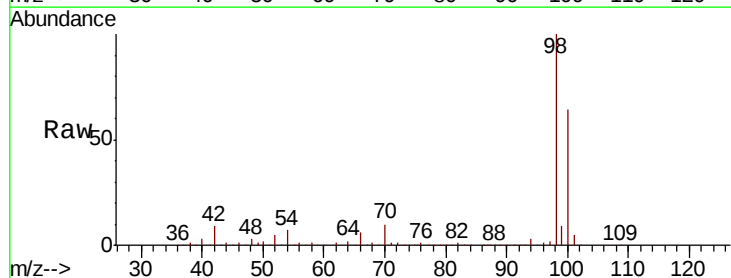


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

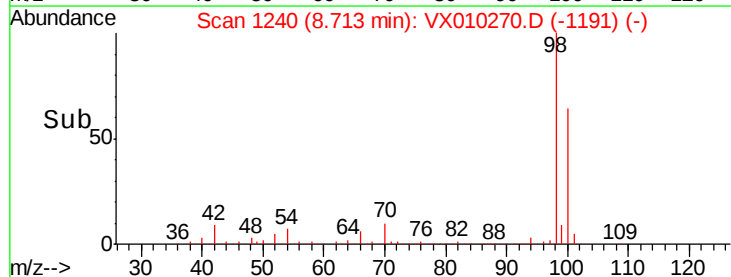
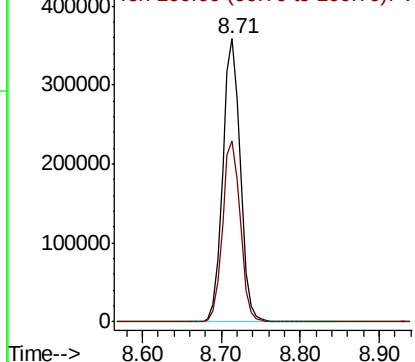


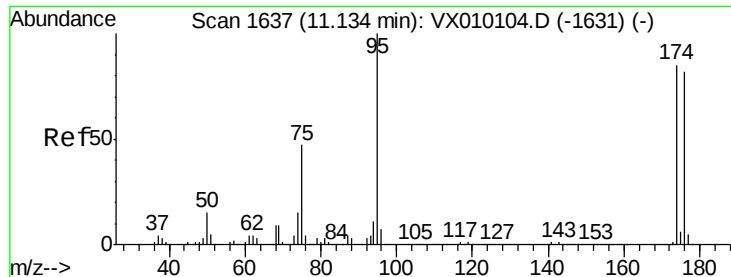
#50
 Toluene-d8
 Concen: 50.294 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010270.D
 Acq: 13 Jun 2019 14:16

Tgt Ion: 98 Resp: 554371
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.978 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

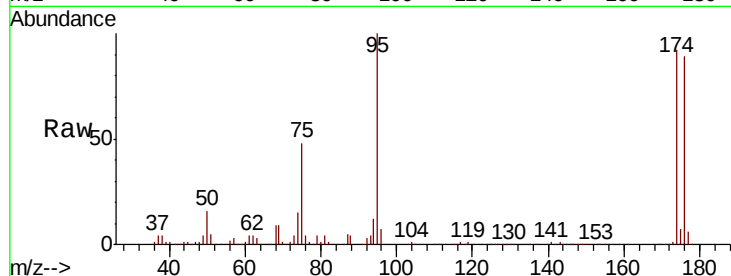
Tot Ion: 95 Resp: 185151

Ion Ratio Lower Upper

95 100

174 93.8 0.0 160.4

176 92.1 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

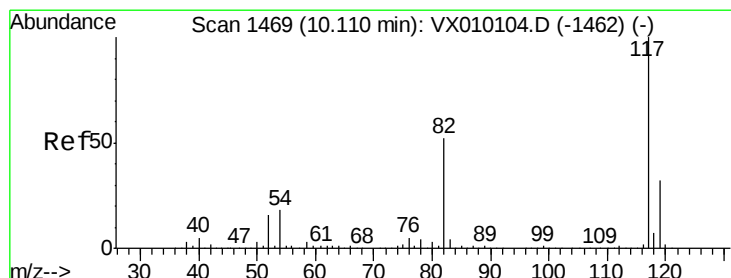
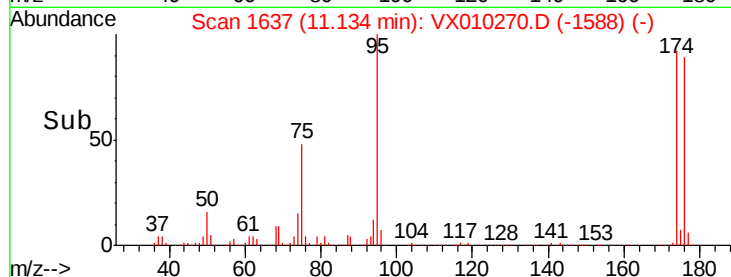
150000

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: VX010270.D

Acq: 13 Jun 2019 14:16

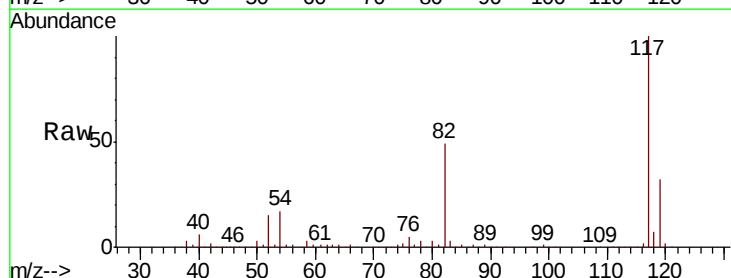
Tgt Ion: 117 Resp: 426446

Ion Ratio Lower Upper

117 100

82 49.3 49.2 73.8

119 31.7 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

400000

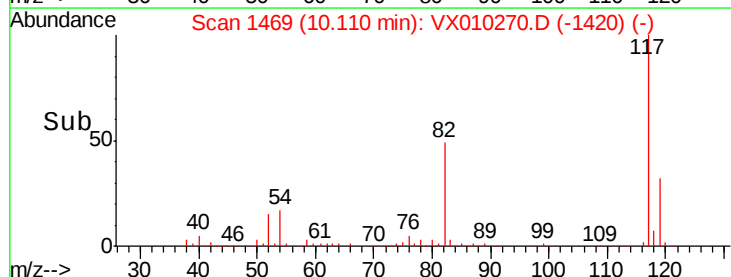
300000

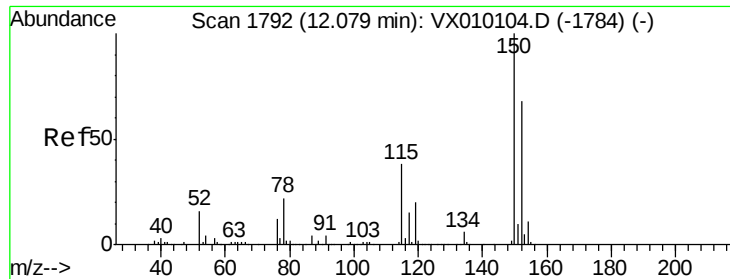
200000

100000

0

Time-->



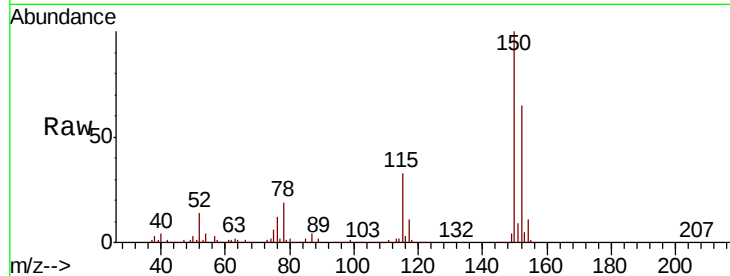


#72

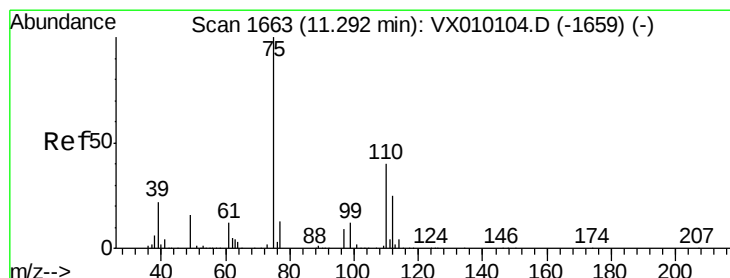
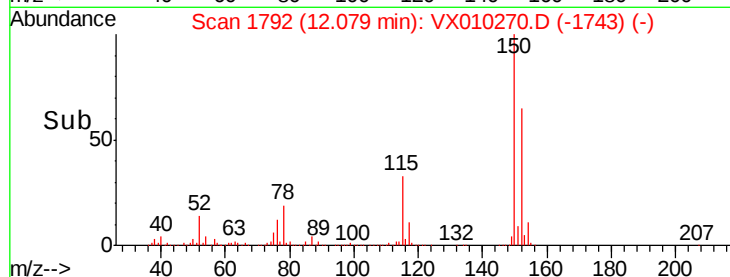
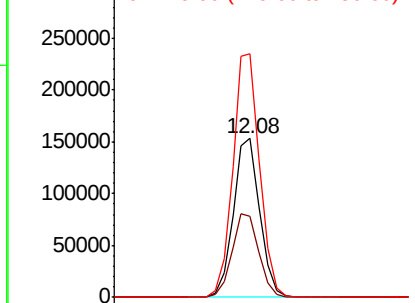
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 195317
Ion Ratio Lower Upper
152 100
115 53.7 41.4 124.2
150 156.0 0.0 345.2



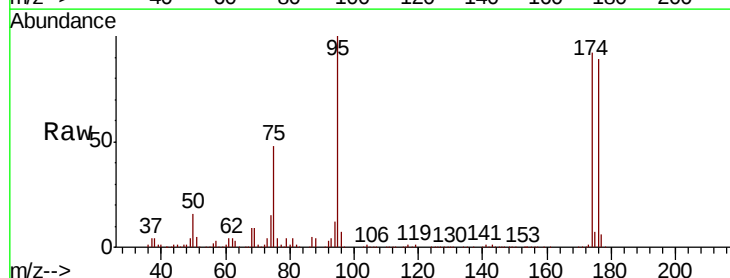
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



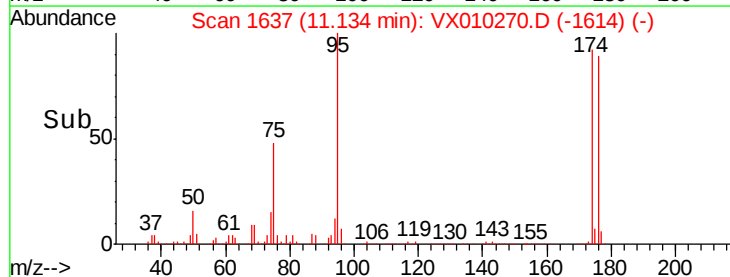
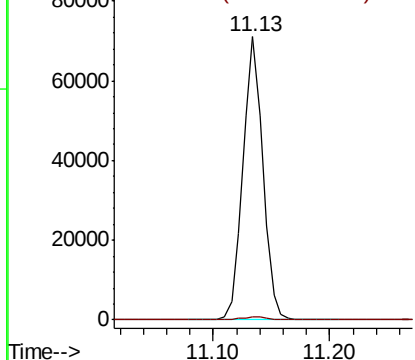
#76

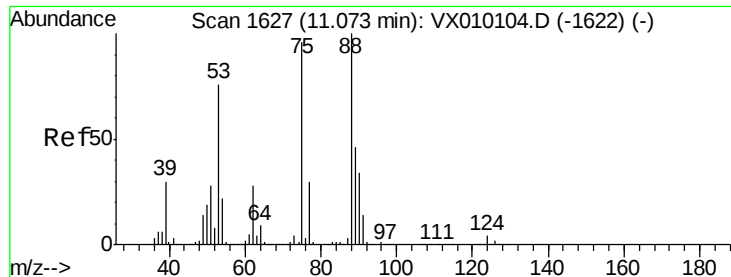
1,2,3-Trichloropropane
Concen: 21.886 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010270.D
Acq: 13 Jun 2019 14:16

Tgt Ion: 75 Resp: 85503
Ion Ratio Lower Upper
75 100
77 1.4 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: 48.356 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010270.D

Acq: 13 Jun 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

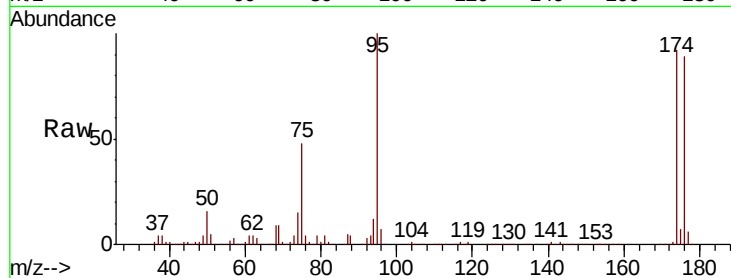
Tot Ion: 75 Resp: 85503

Ion Ratio Lower Upper

75 100

53 0.1 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

