

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010312.D
 Acq On : 14 Jun 2019 19:45
 Operator : JC/SP
 Sample : K3382-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP

Quant Time: Jun 15 01:24:09 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	5.67	168	318812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	433033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199350	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	144684	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.50	113	145505	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.71	98	567238	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	190968	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

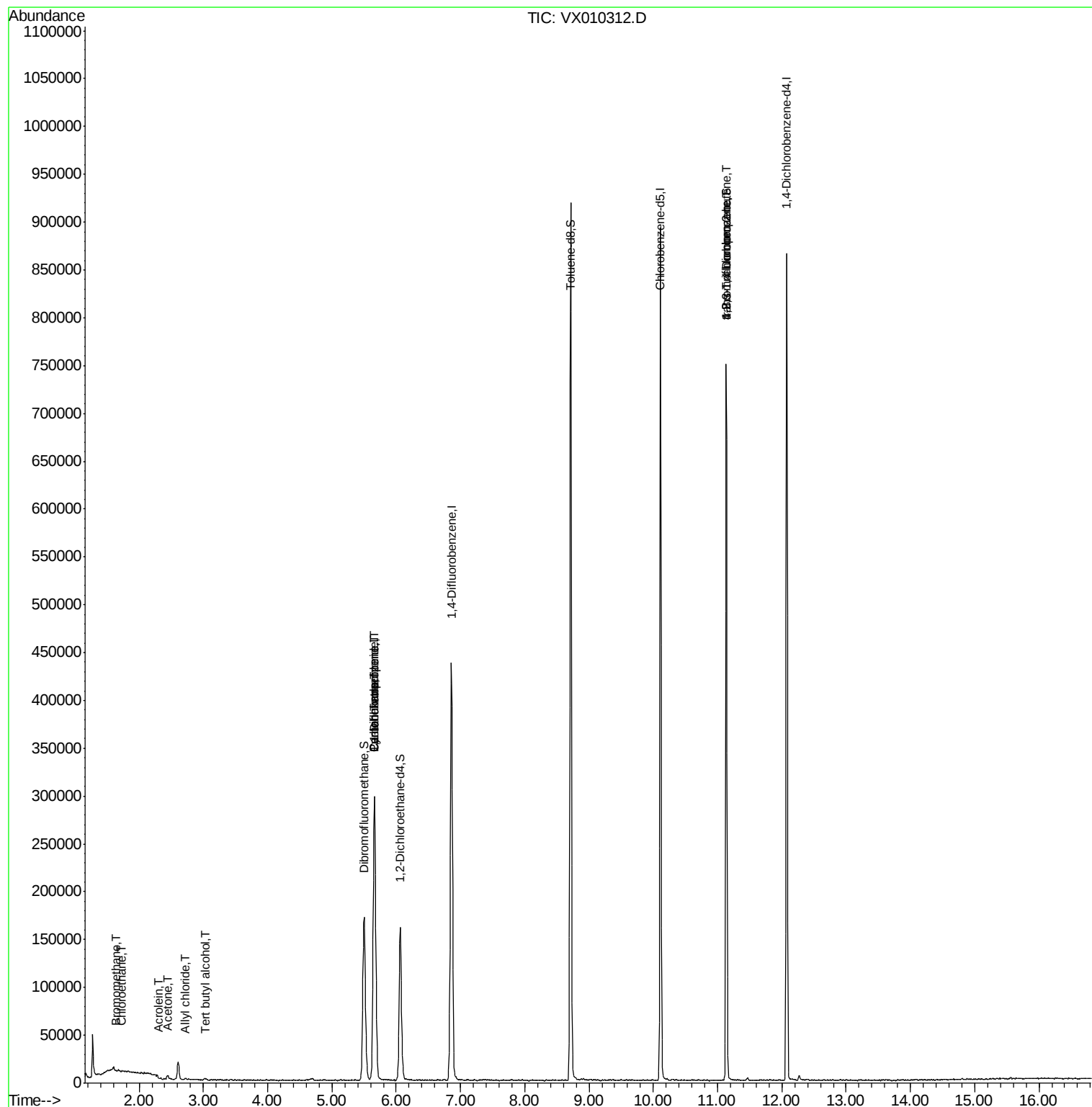
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	578	0.559	ug/l #	46
6) Chloroethane	1.72	64	472	0.342	ug/l #	43
11) Tert butyl alcohol	3.03	59	1098	1.440	ug/l #	83
13) Acrolein	2.31	56	99	0.712	ug/l #	25
14) Allyl chloride	2.72	41	1434	0.332	ug/l #	49
16) Acetone	2.45	43	5573	3.808	ug/l	94
31) Cyclohexane	5.66	56	5270	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18799	4.751	ug/l #	52
38) Carbon Tetrachloride	5.66	117	27950	6.240	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	88561	22.210	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88561	49.072	ug/l #	10

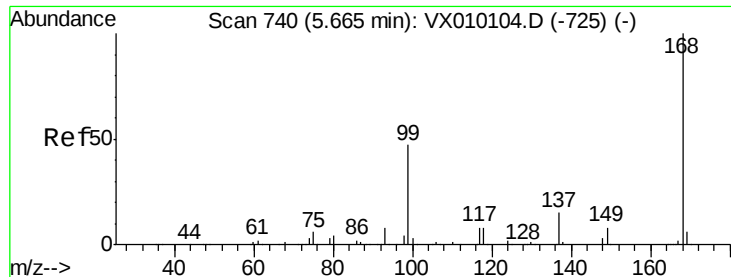
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

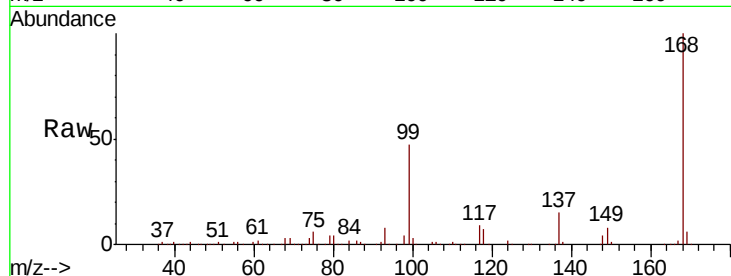
SUMP

Tot Ion:168 Resp: 318812

Ion Ratio Lower Upper

168 100

99 46.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX010104.D (-725) (-)

Ion 98.90 (98.60 to 99.60): VX010104.D (-725) (-)

5.67

120000

100000

80000

60000

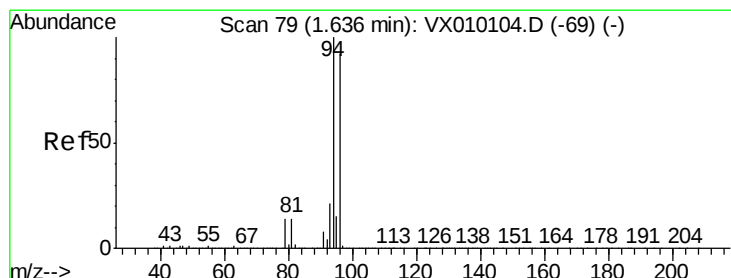
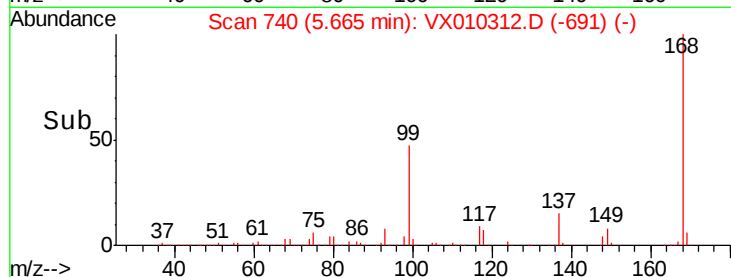
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.559 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010312.D

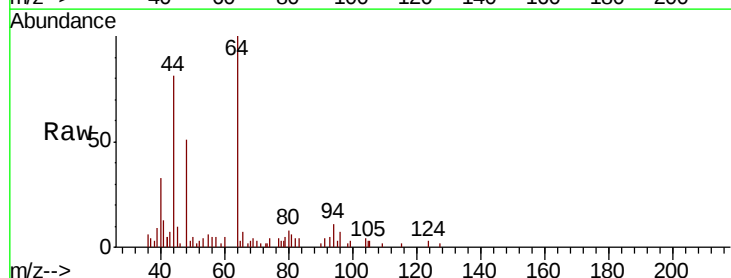
Acq: 14 Jun 2019 19:45

Tgt Ion: 94 Resp: 578

Ion Ratio Lower Upper

94 100

96 42.8 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX010104.D (-69) (-)

Ion 95.90 (95.60 to 96.60): VX010104.D (-69) (-)

1.65

300

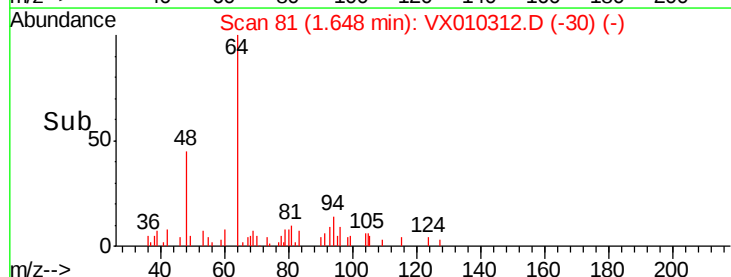
200

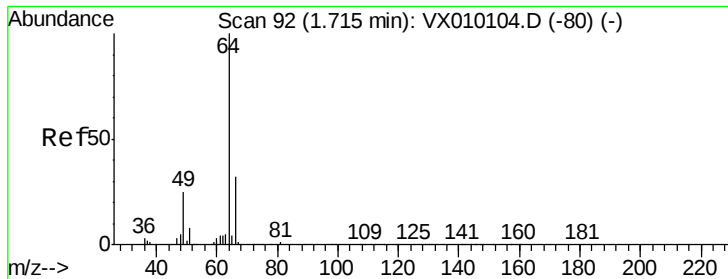
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.342 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

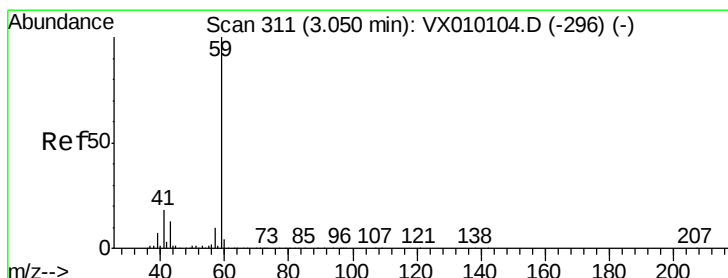
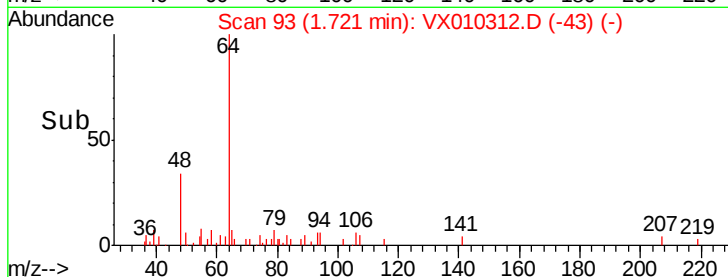
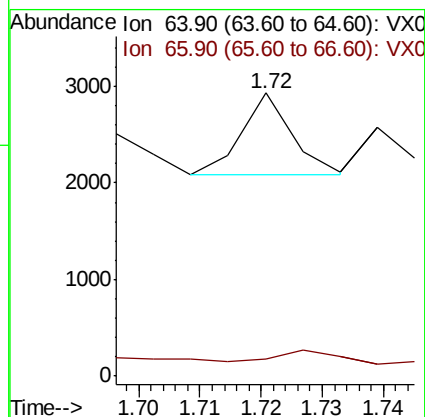
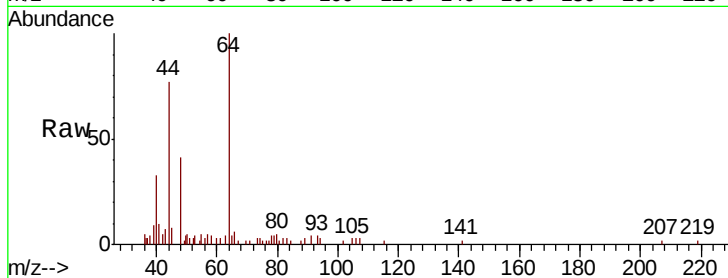
SUMP

Tot Ion: 64 Resp: 472

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 1.440 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010312.D

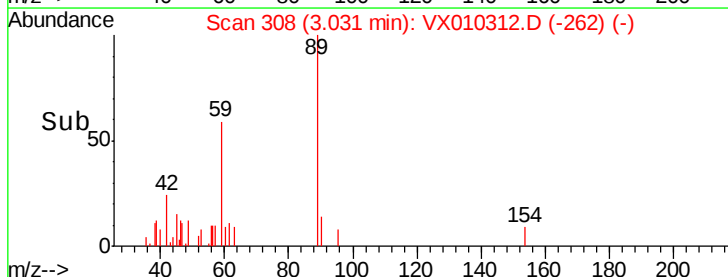
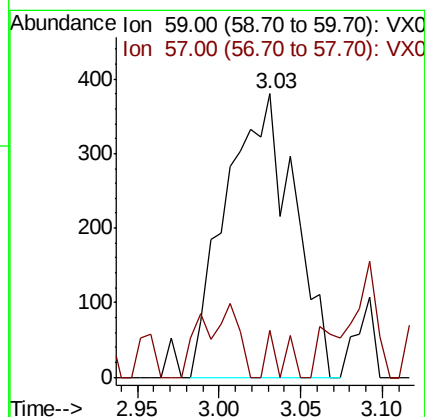
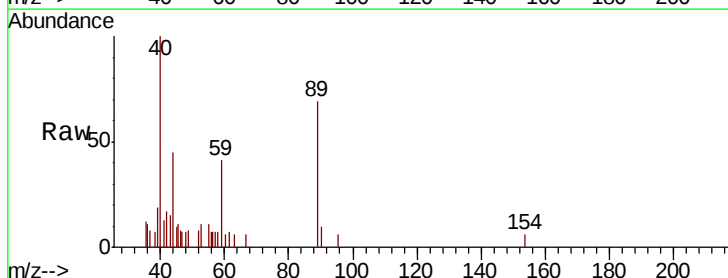
Acq: 14 Jun 2019 19:45

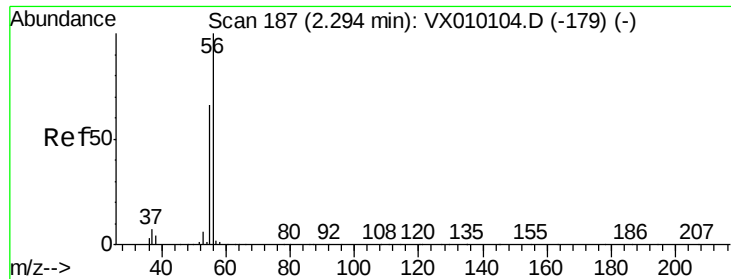
Tgt Ion: 59 Resp: 1098

Ion Ratio Lower Upper

59 100

57 4.0 8.2 12.2#





#13

Acrolein

Concen: 0.712 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampled :

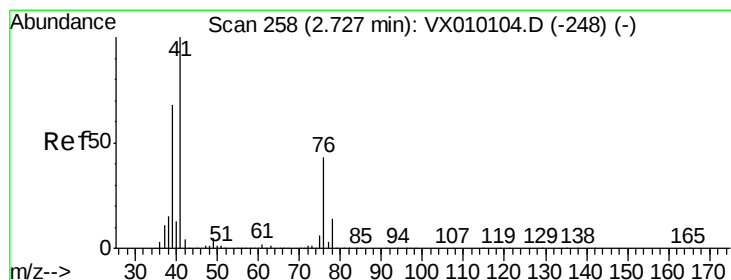
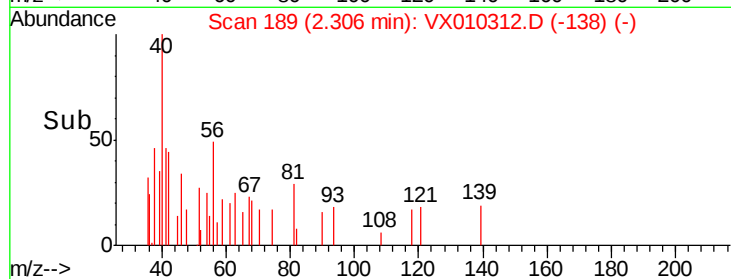
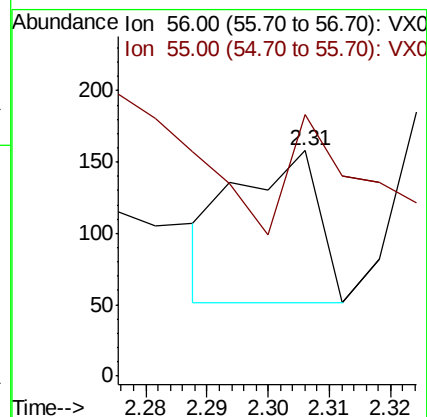
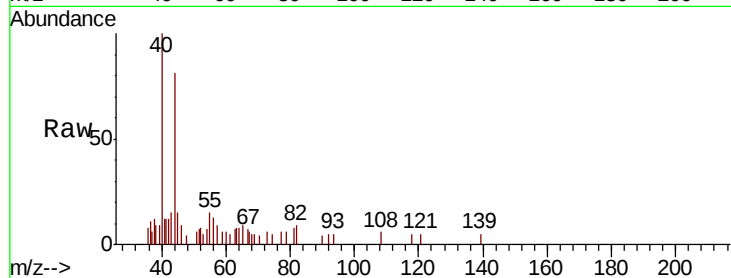
SUMP

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 133.3 57.0 85.4#



#14

Allyl chloride

Concen: 0.332 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

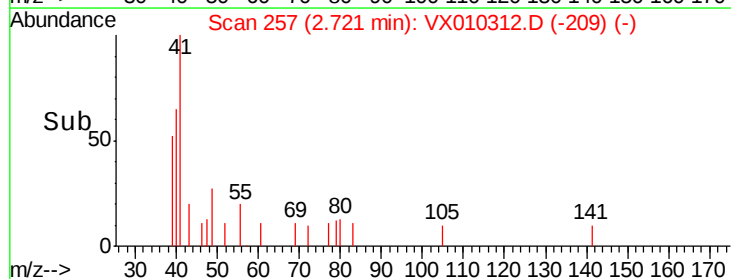
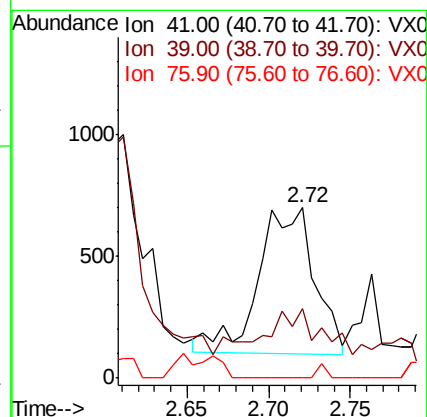
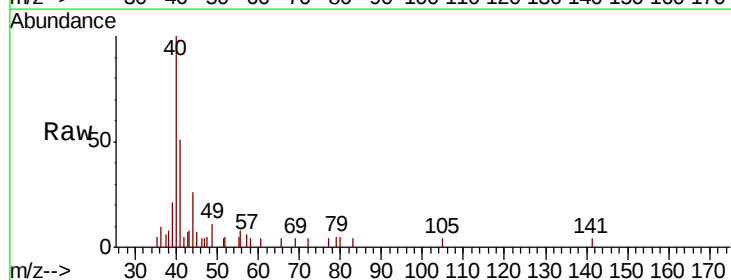
Tgt Ion: 41 Resp: 1434

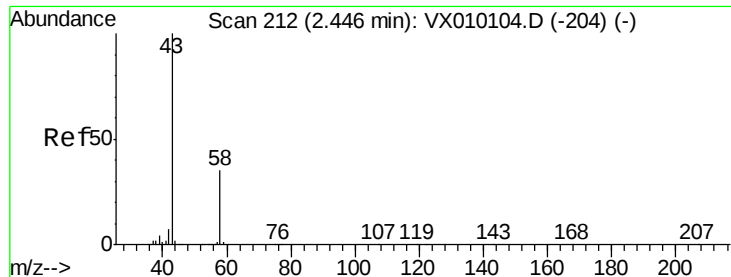
Ion Ratio Lower Upper

41 100

39 20.4 46.7 70.1#

76 0.0 21.0 31.4#





#16

Acetone

Concen: 3.808 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

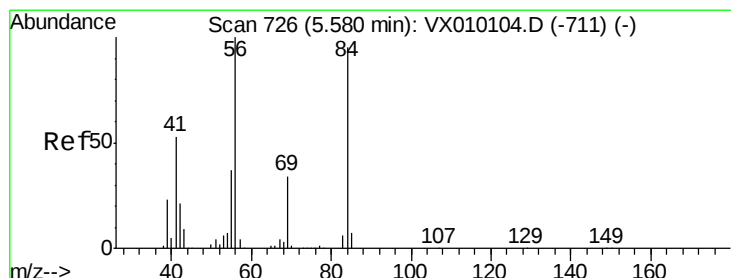
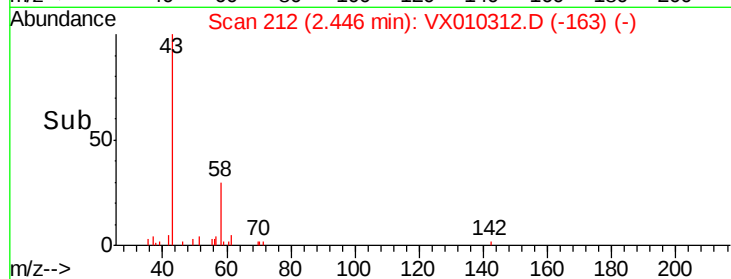
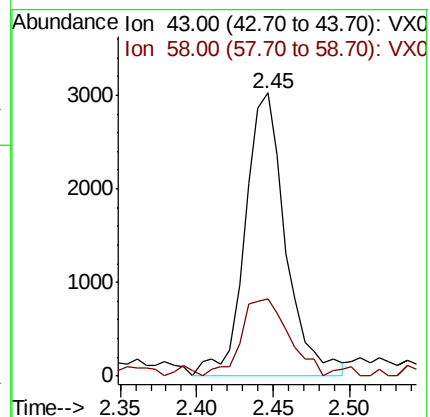
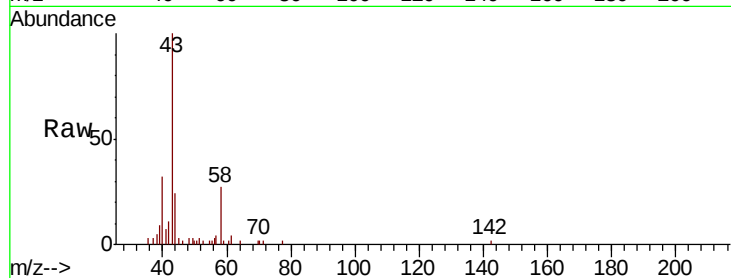
SUMP

Tot Ion: 43 Resp: 5573

Ion Ratio Lower Upper

43 100

58 25.6 23.2 34.8



#31

Cyclohexane

Concen: 1.164 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

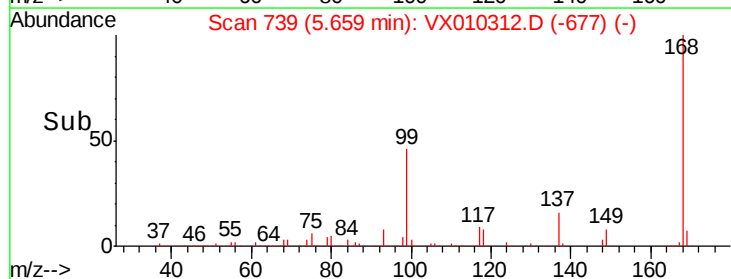
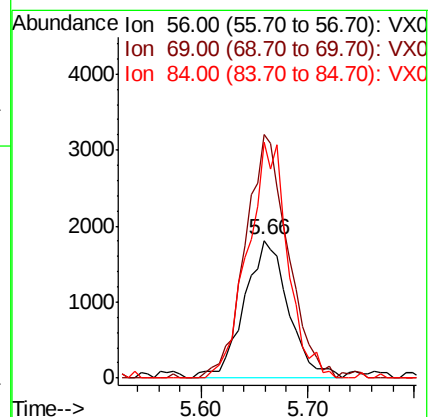
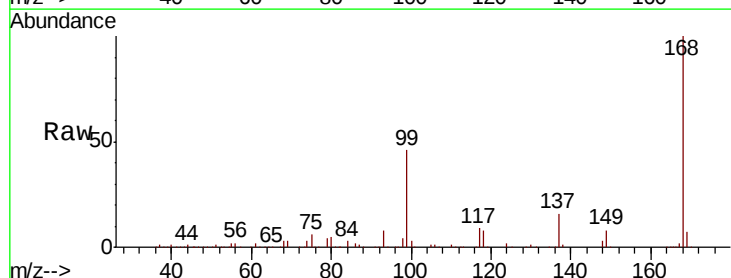
Tgt Ion: 56 Resp: 5270

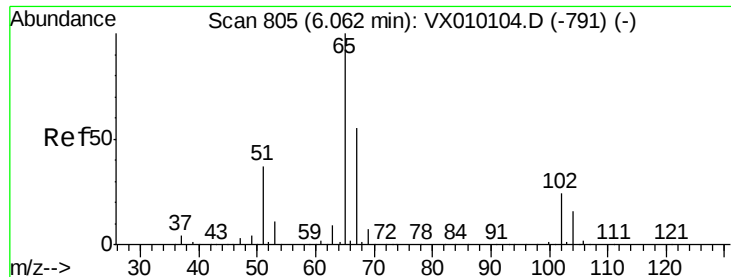
Ion Ratio Lower Upper

56 100

69 177.3 21.6 32.4#

84 171.3 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 46.493 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

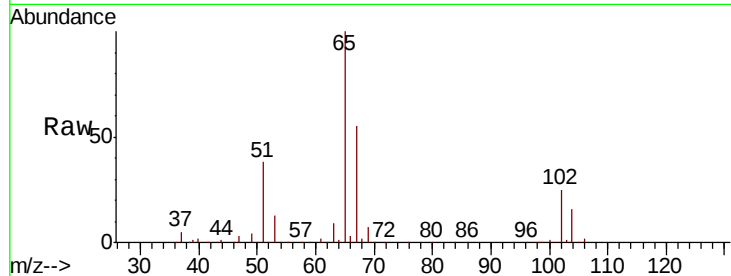
SUMP

Tot Ion: 65 Resp: 144684

Ion Ratio Lower Upper

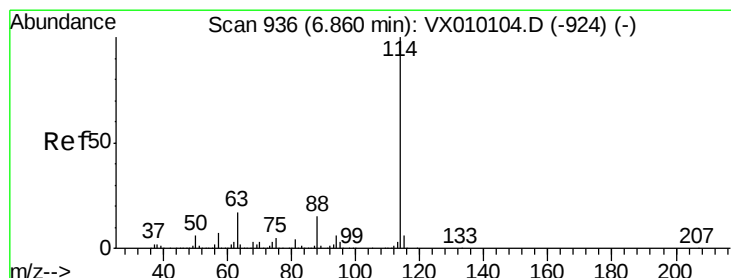
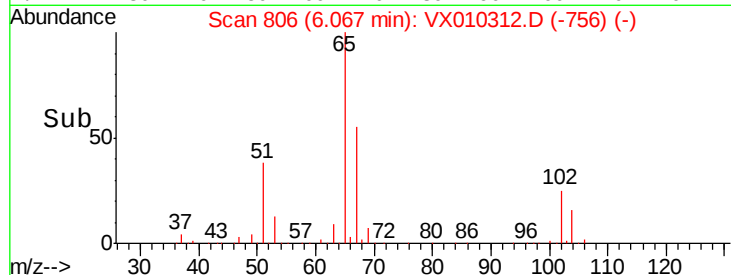
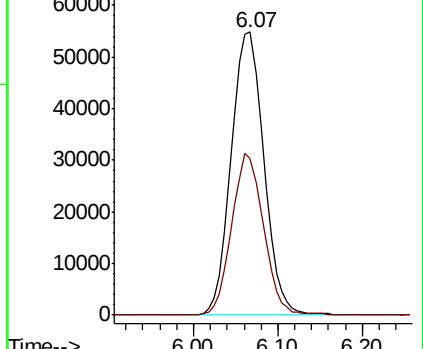
65 100

67 55.0 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

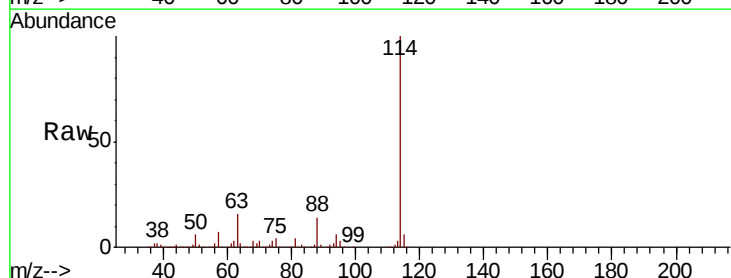
Tgt Ion: 114 Resp: 485021

Ion Ratio Lower Upper

114 100

63 16.4 0.0 47.4

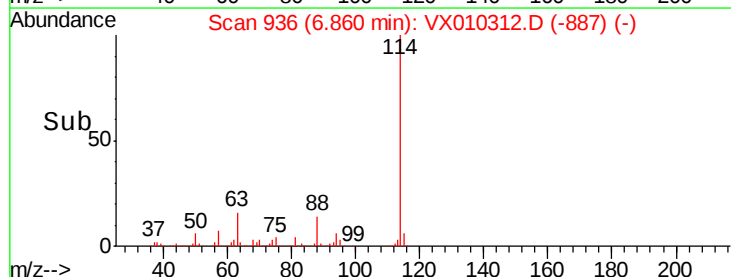
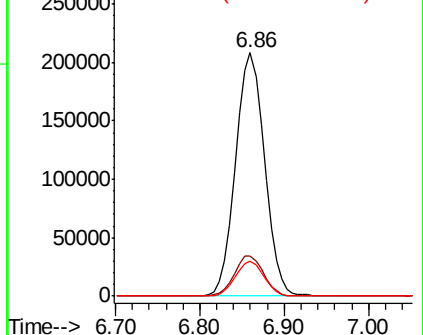
88 14.4 0.0 33.0

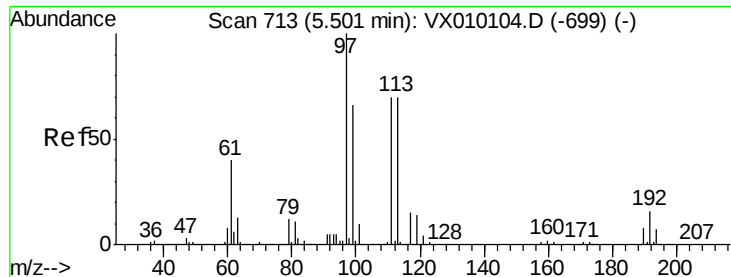


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.636 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

SUMP

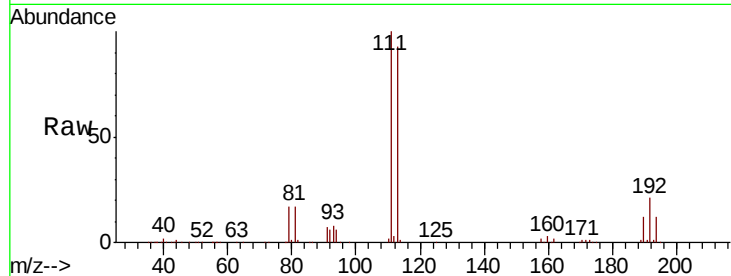
Tot Ion:113 Resp: 145505

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

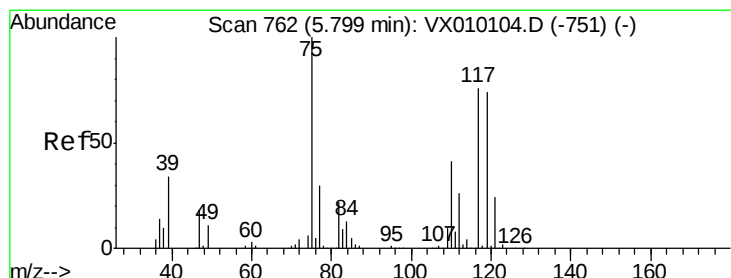
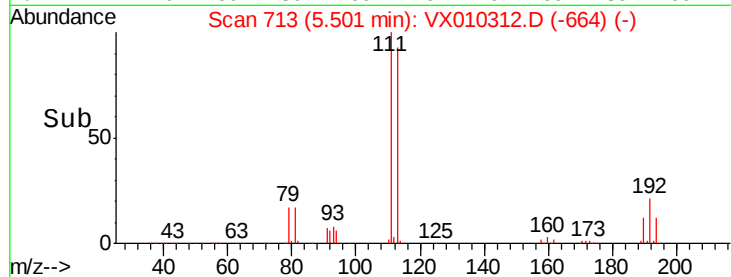
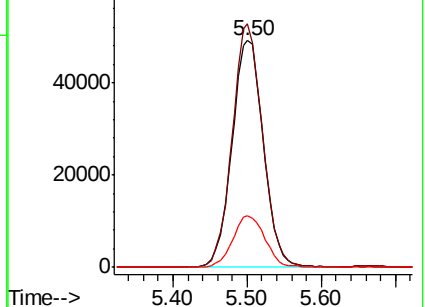
192 23.1 17.1 25.7



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: 4.751 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

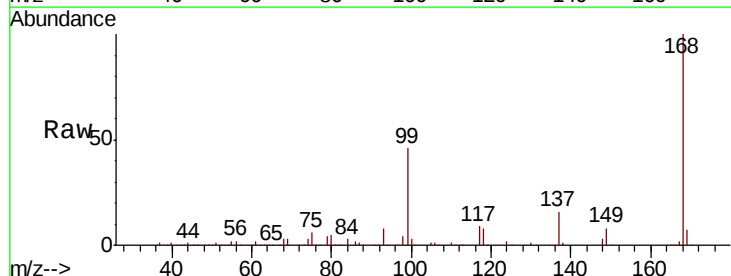
Tgt Ion: 75 Resp: 18799

Ion Ratio Lower Upper

75 100

110 10.7 16.7 50.1#

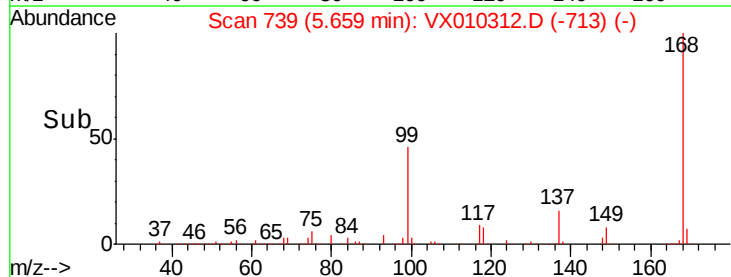
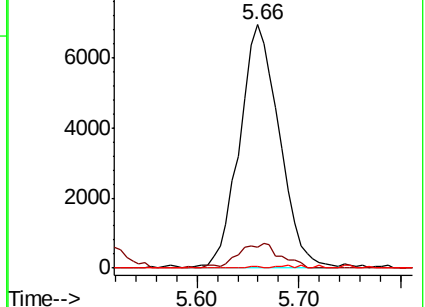
77 0.2 25.0 37.4#

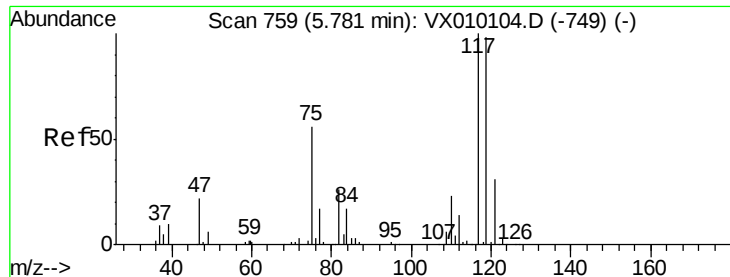


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.240 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampled :

SUMP

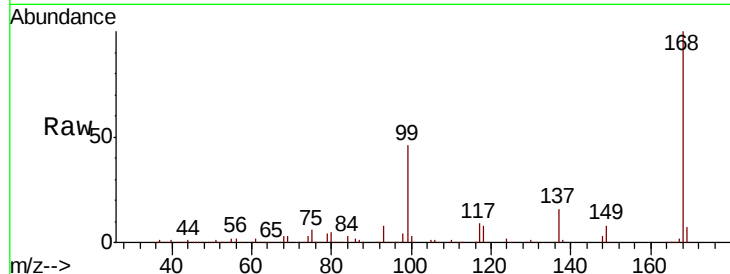
Tot Ion:117 Resp: 27950

Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

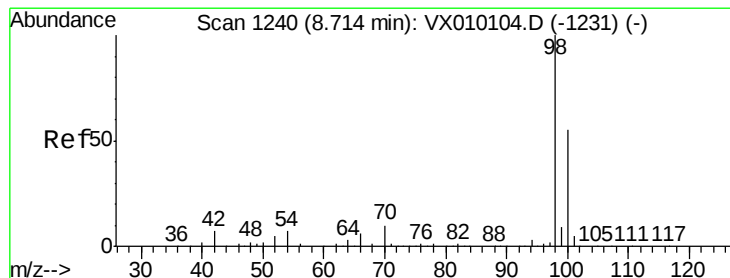
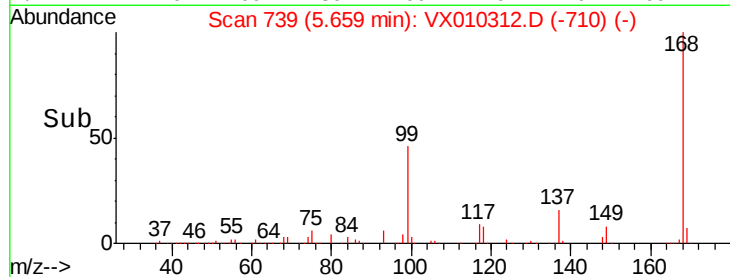
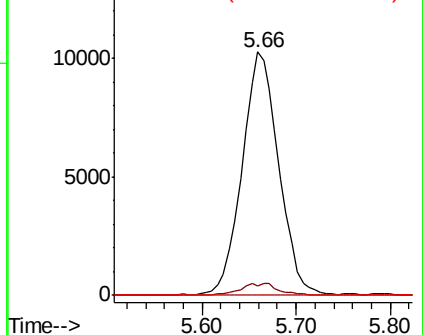
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 50.590 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010312.D

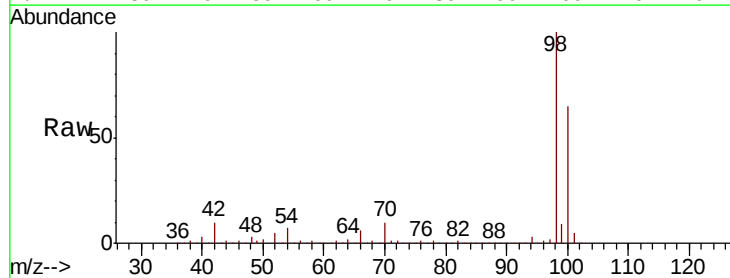
Acq: 14 Jun 2019 19:45

Tgt Ion: 98 Resp: 567238

Ion Ratio Lower Upper

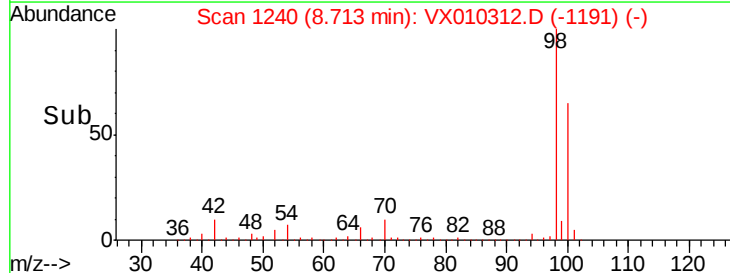
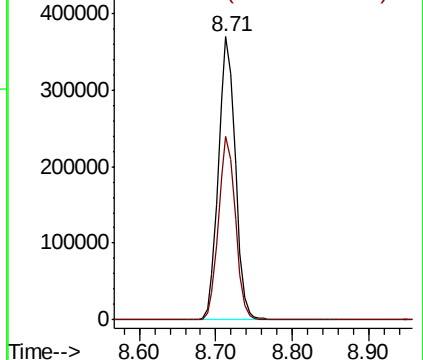
98 100

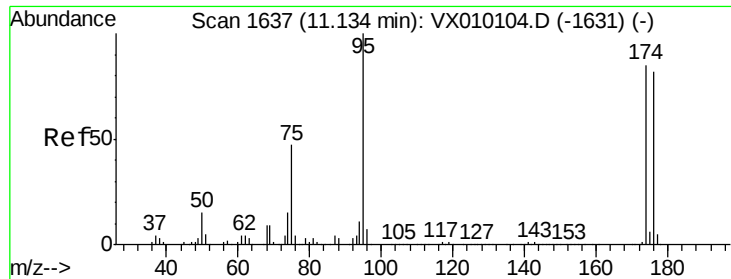
100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

SUMP

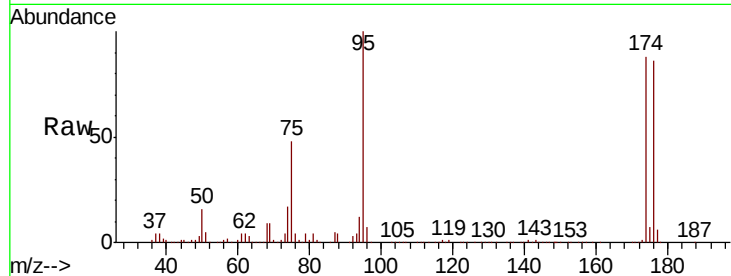
Tot Ion: 95 Resp: 190968

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

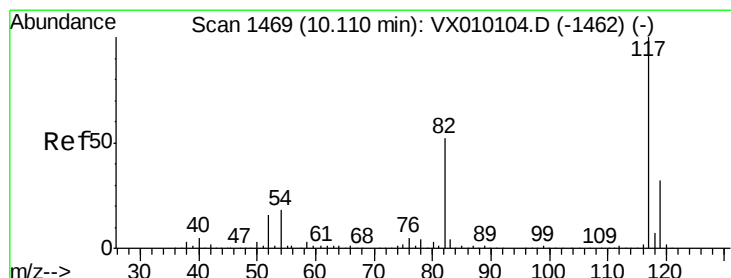
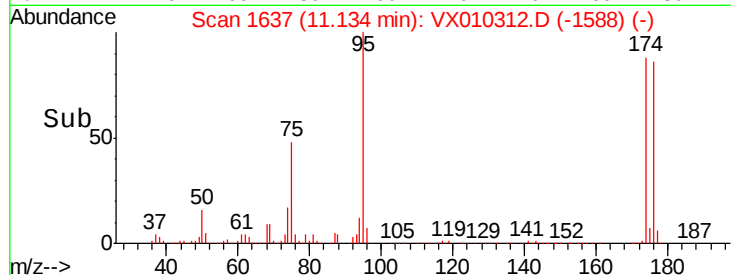
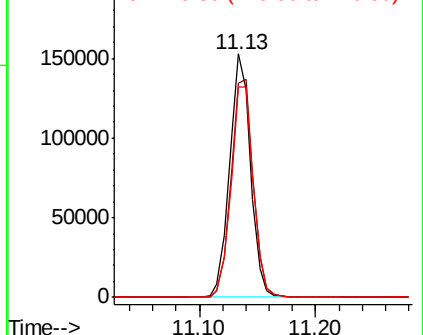
176 92.1 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX010312.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010312.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010312.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

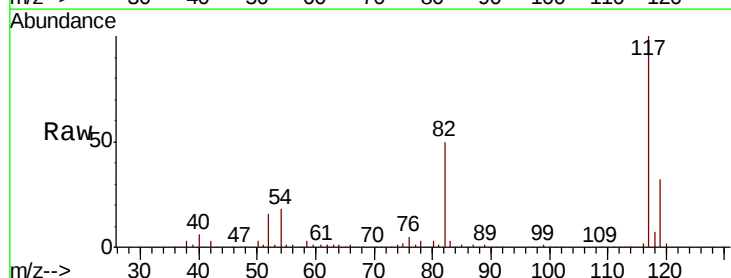
Tgt Ion: 117 Resp: 433033

Ion Ratio Lower Upper

117 100

82 50.3 49.2 73.8

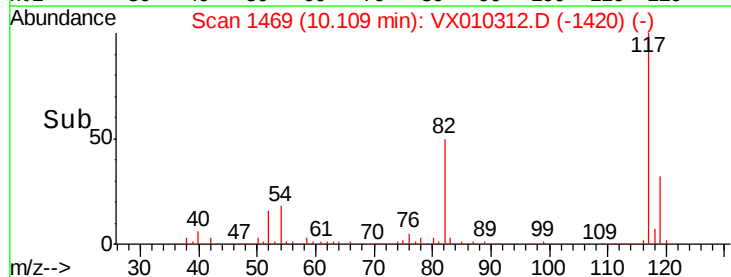
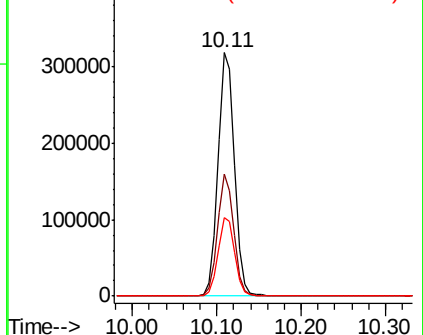
119 32.2 25.2 37.8

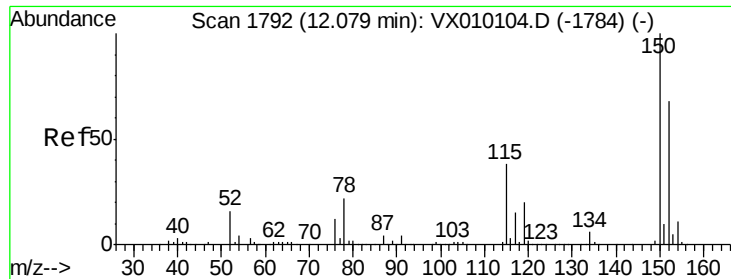


Abundance Ion 116.90 (116.60 to 117.60): VX010312.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010312.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010312.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010312.D

Acq: 14 Jun 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

SUMP

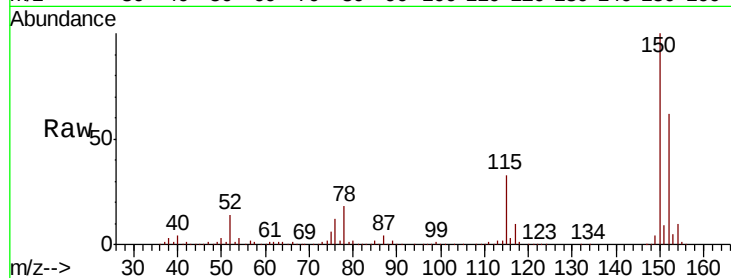
Tot Ion:152 Resp: 199350

Ion Ratio Lower Upper

152 100

115 54.8 41.4 124.2

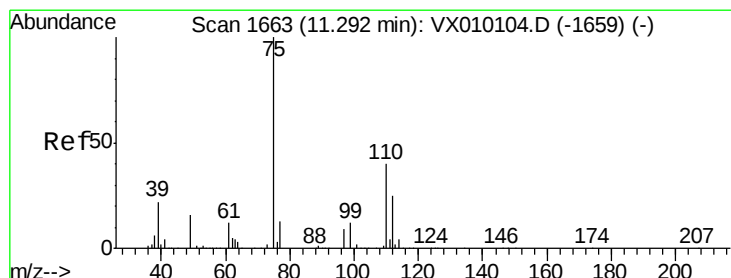
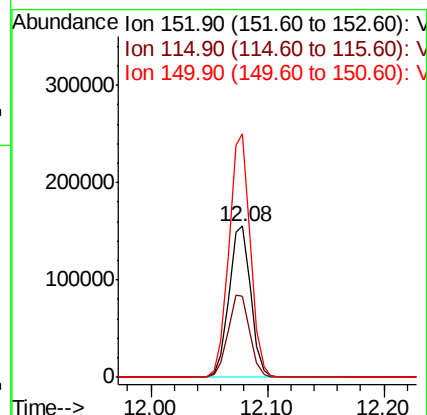
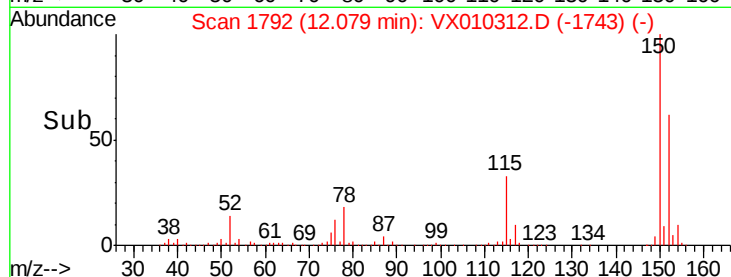
150 158.2 0.0 345.2



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: 22.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010312.D

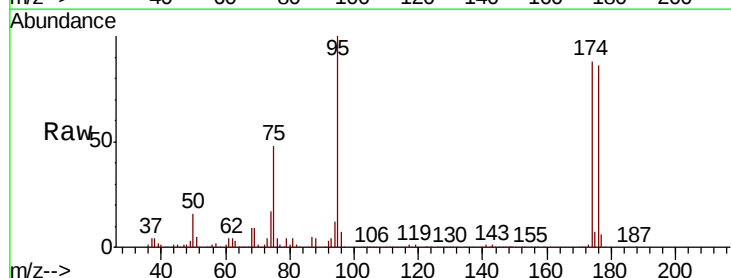
Acq: 14 Jun 2019 19:45

Tgt Ion: 75 Resp: 88561

Ion Ratio Lower Upper

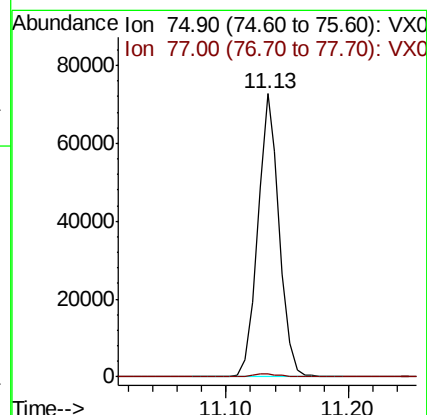
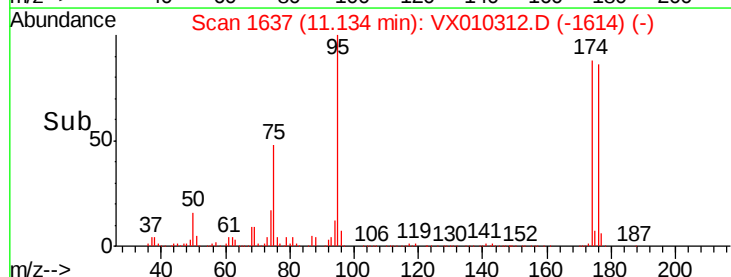
75 100

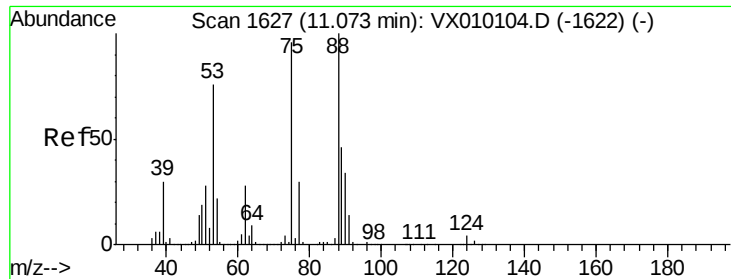
77 1.6 22.1 66.1#



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: 49.072 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010312.D
 Acq: 14 Jun 2019 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP

Tot Ion: 75 Resp: 88561
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

