

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010272.D
 Acq On : 13 Jun 2019 15:02
 Operator : JC/SP
 Sample : K3309-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:33:34 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	315093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	477633	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	432481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203563	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	143890	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
35) Dibromofluoromethane	5.50	113	146295	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	560634	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.13	95	189664	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	

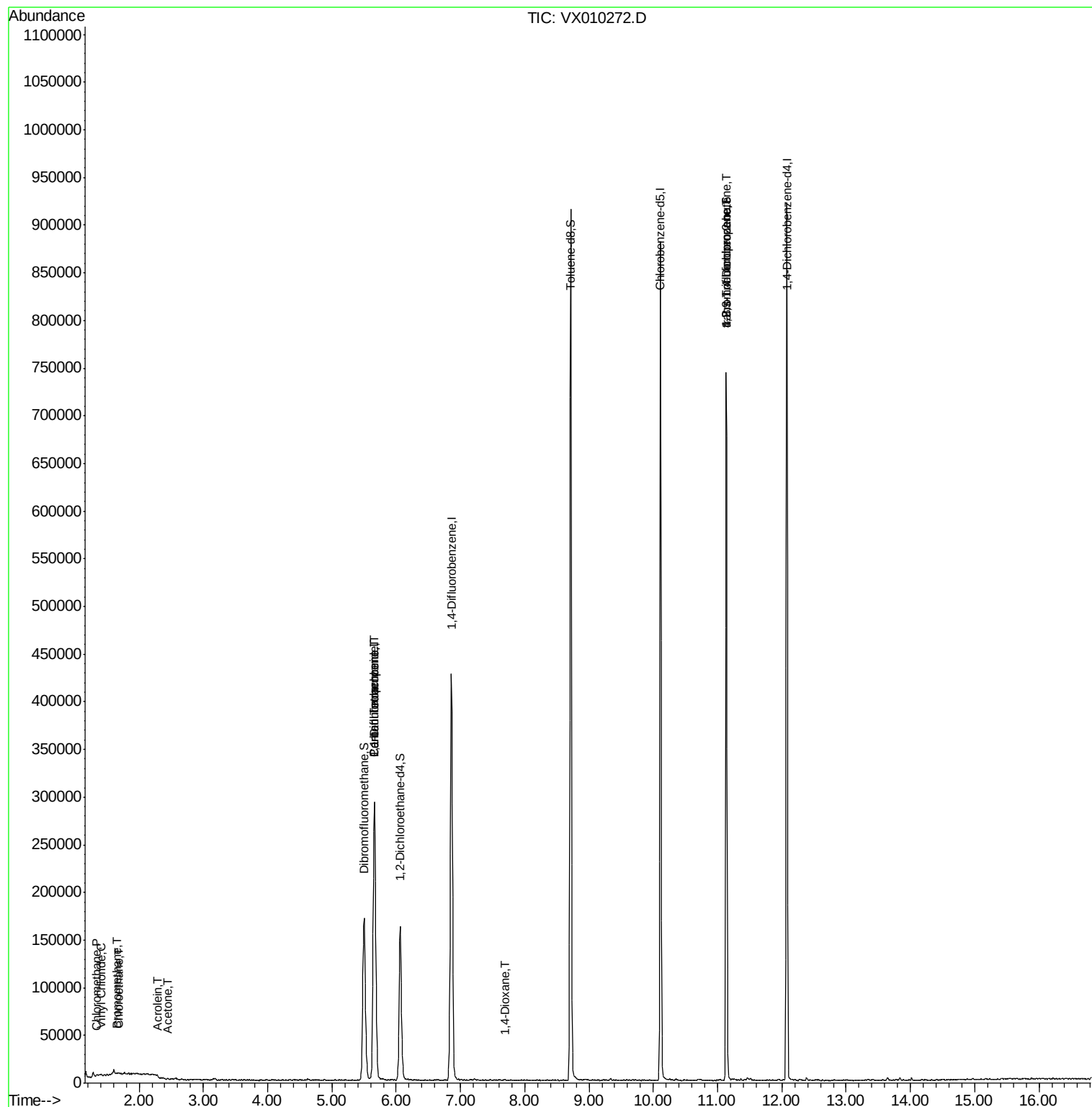
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	679	0.236	ug/l	99
4) Vinyl Chloride	1.41	62	1219	0.450	ug/l	97
5) Bromomethane	1.65	94	650	0.637	ug/l	90
6) Chloroethane	1.69	64	311	0.228	ug/l #	62
13) Acrolein	2.29	56	87	0.633	ug/l #	1
16) Acetone	2.44	43	649	0.449	ug/l #	66
36) 1,1-Dichloropropene	5.66	75	18889	4.847	ug/l #	52
38) Carbon Tetrachloride	5.66	117	27079	6.139	ug/l #	16
49) 1,4-Dioxane	7.69	88	22	0.243	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	89148	21.895	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	89148	48.375	ug/l #	10

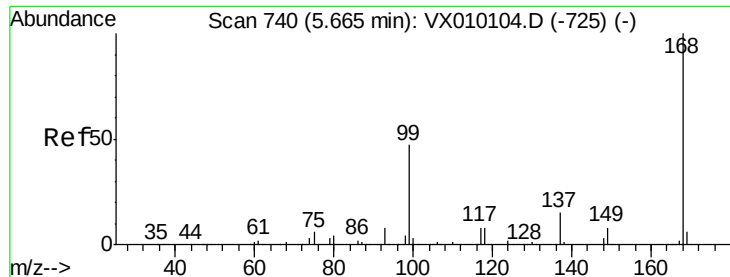
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061319\
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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# 740

Delta R.T. -0.00 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

Instrument :

MSVOA_X

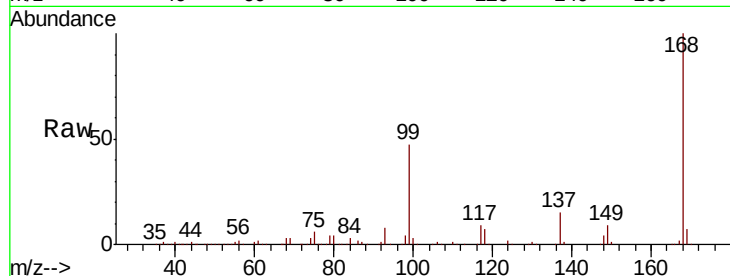
ClientSampleId :

Tot Ion:168 Resp: 315093

Ion Ratio Lower Upper

168 100

99 46.5 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

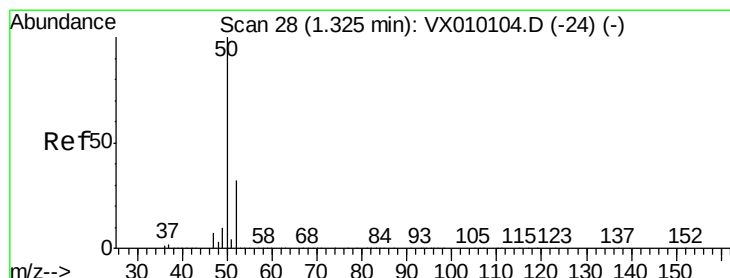
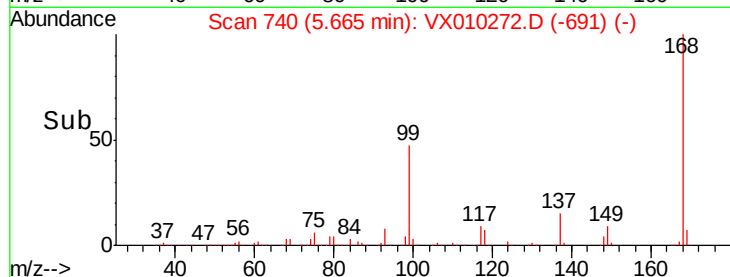
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.236 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010272.D

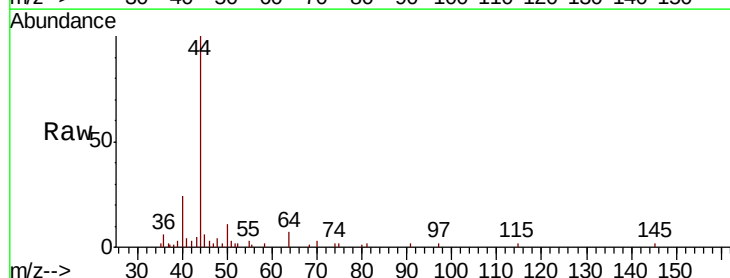
Acq: 13 Jun 2019 15:02

Tgt Ion: 50 Resp: 679

Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

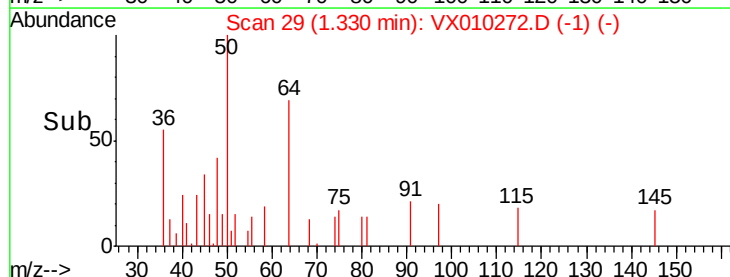
300

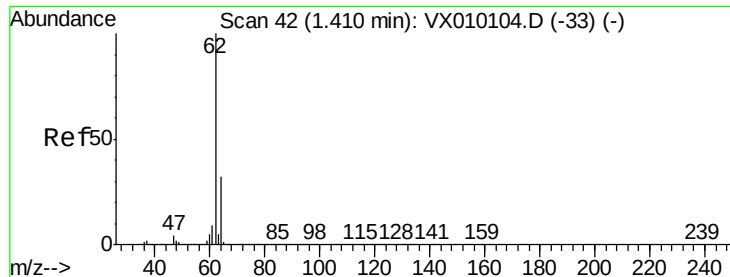
200

100

0

Time--> 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.450 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

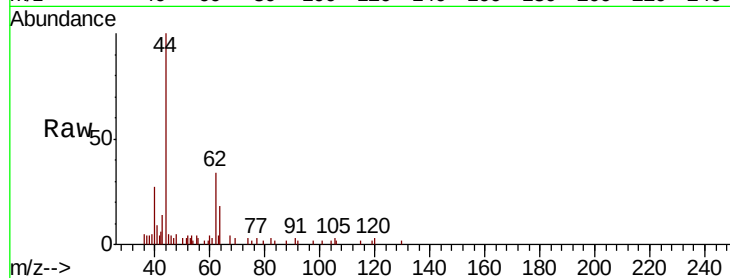
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 62 Resp: 1219

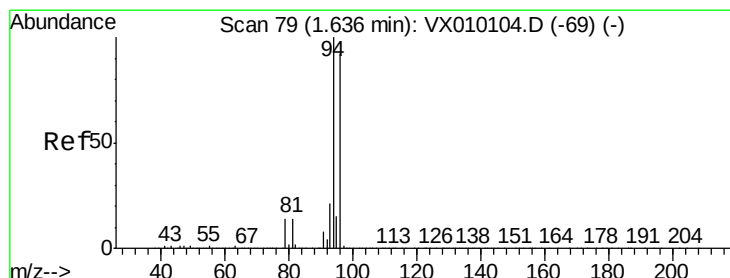
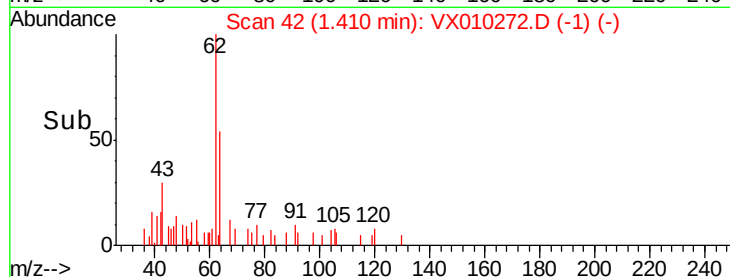
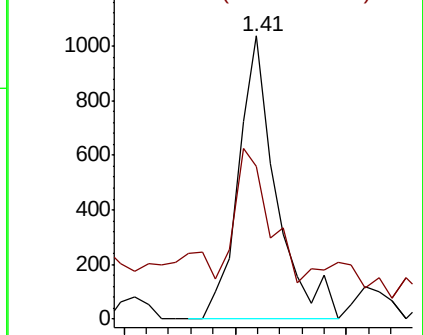
Ion Ratio Lower Upper

62 100

64 33.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.637 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010272.D

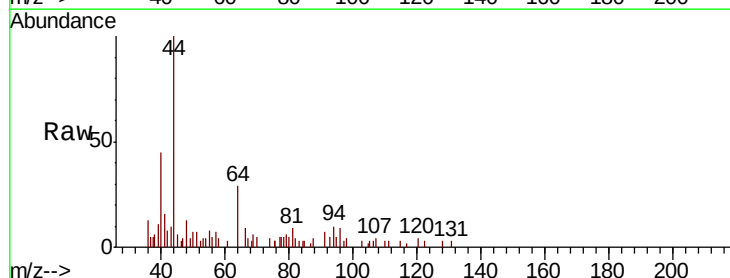
Acq: 13 Jun 2019 15:02

Tgt Ion: 94 Resp: 650

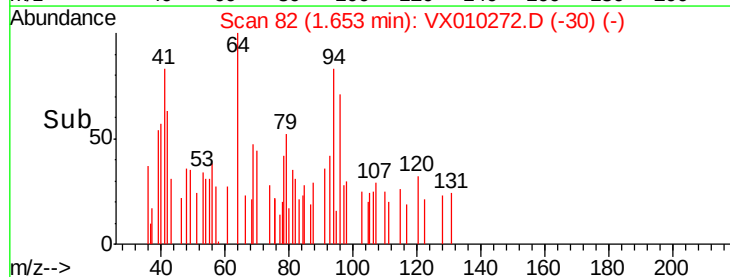
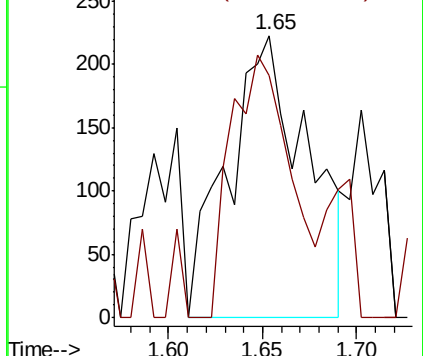
Ion Ratio Lower Upper

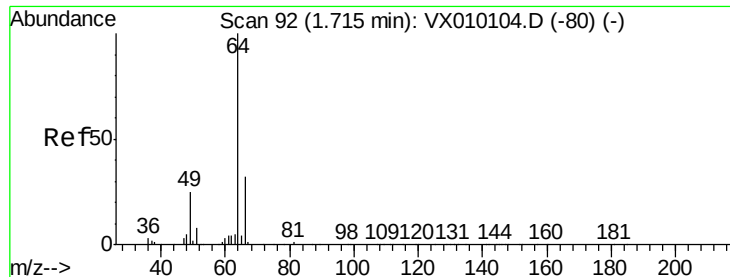
94 100

96 85.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.228 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

Instrument :

MSVOA_X

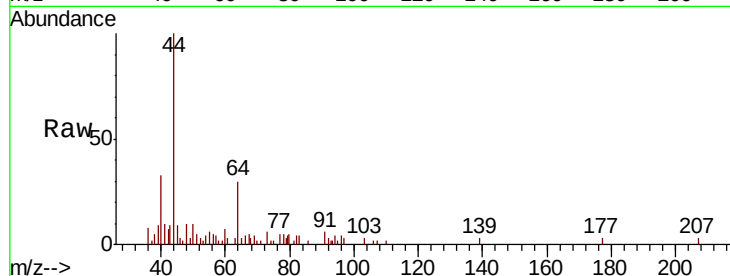
ClientSampled :

Tot Ion: 64 Resp: 311

Ion Ratio Lower Upper

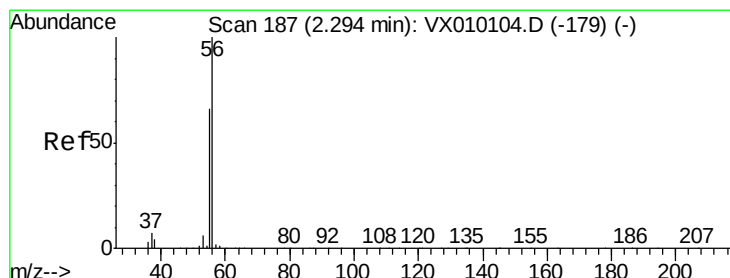
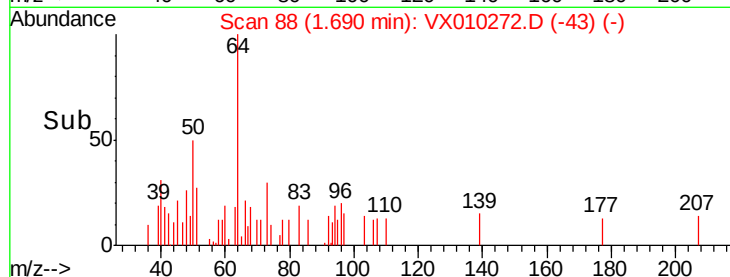
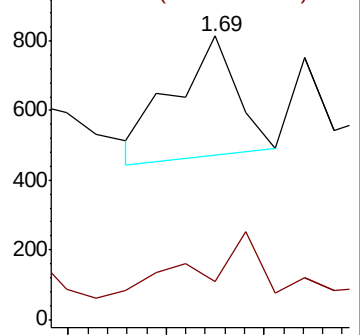
64 100

66 10.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.633 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010272.D

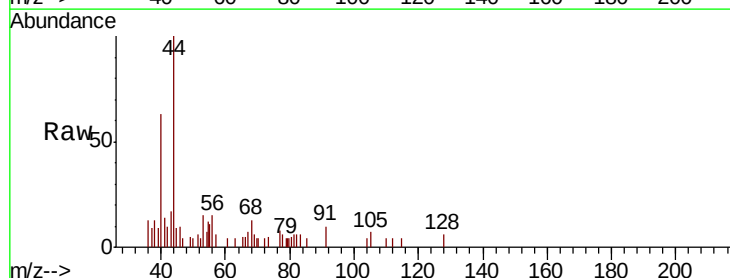
Acq: 13 Jun 2019 15:02

Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

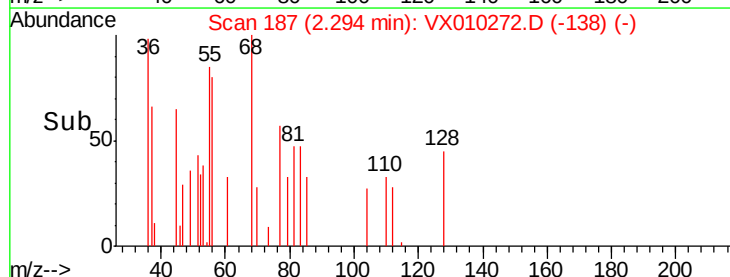
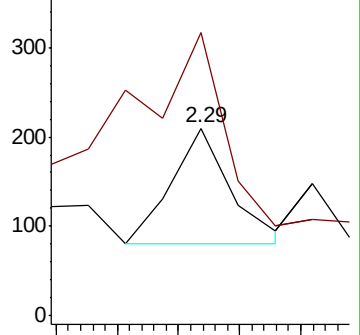
56 100

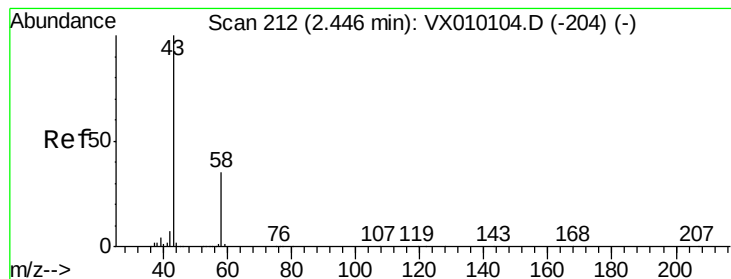
55 256.3 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.449 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

Instrument :

MSVOA_X

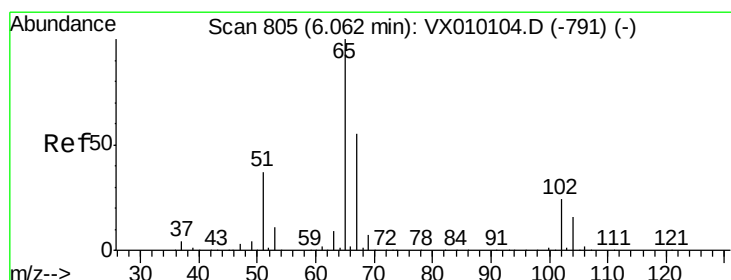
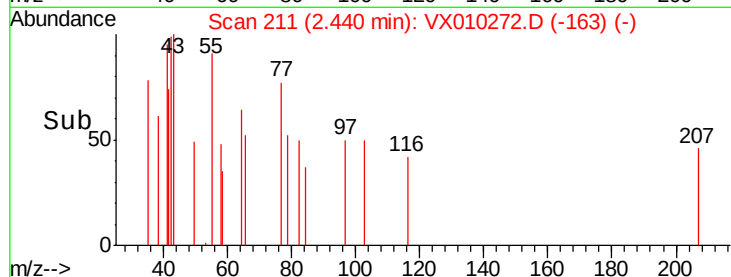
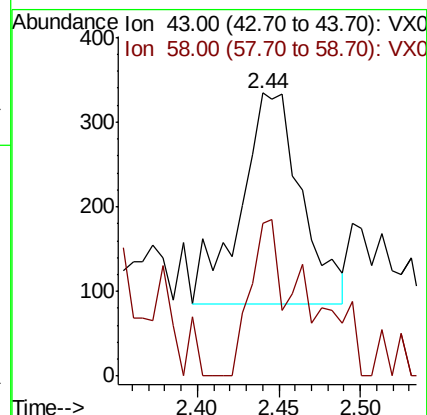
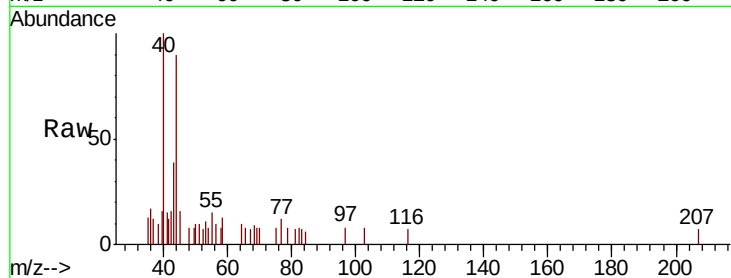
ClientSampleId :

Tot Ion: 43 Resp: 649

Ion Ratio Lower Upper

43 100

58 47.0 23.2 34.8#



#33

1,2-Dichloroethane-d4

Concen: 46.783 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010272.D

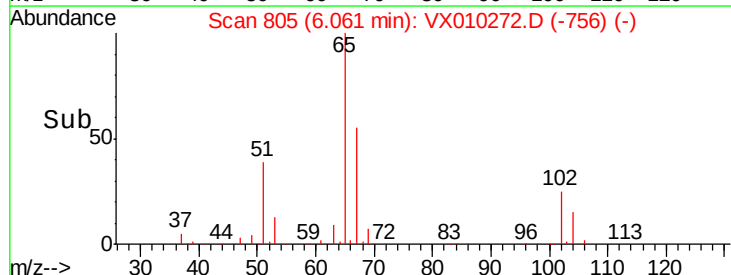
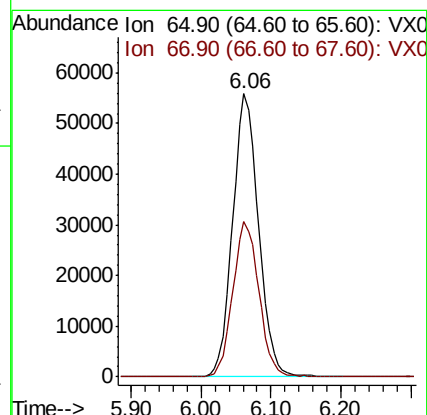
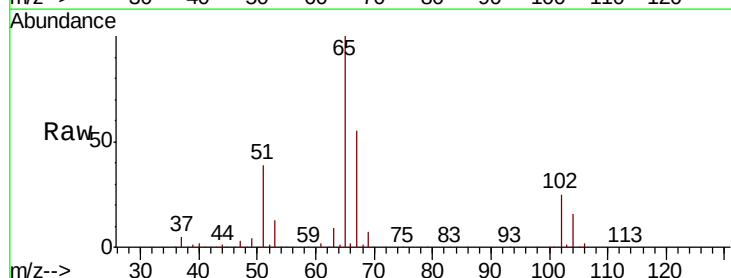
Acq: 13 Jun 2019 15:02

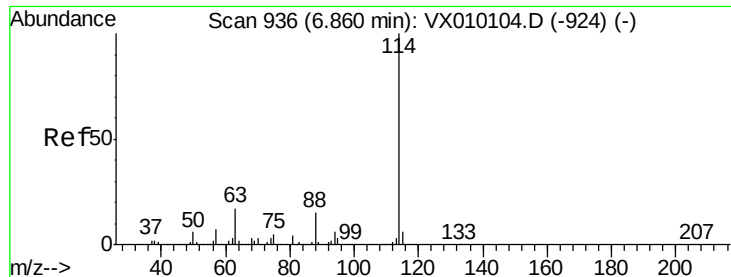
Tgt Ion: 65 Resp: 143890

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

Instrument :

MSVOA_X

ClientSampled :

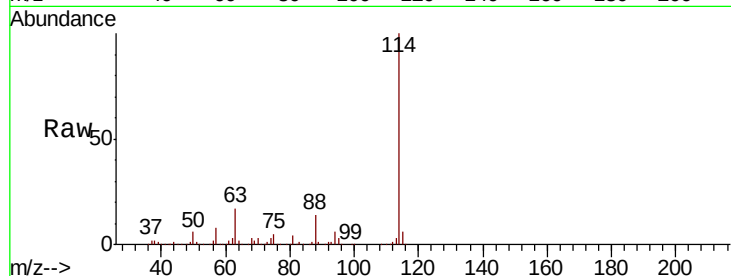
Tot Ion:114 Resp: 477633

Ion Ratio Lower Upper

114 100

63 17.2 0.0 47.4

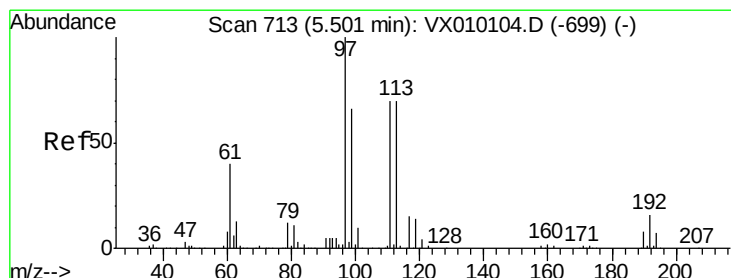
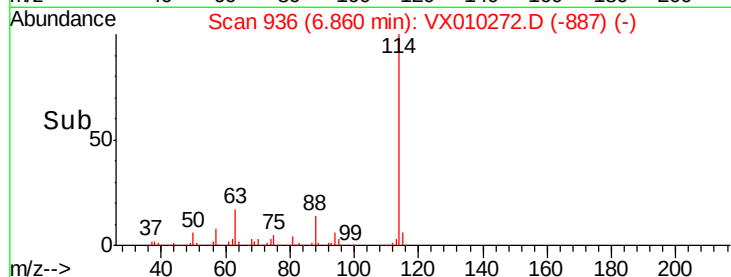
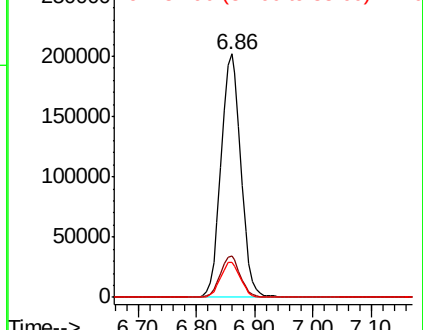
88 14.4 0.0 33.0



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: 49.656 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

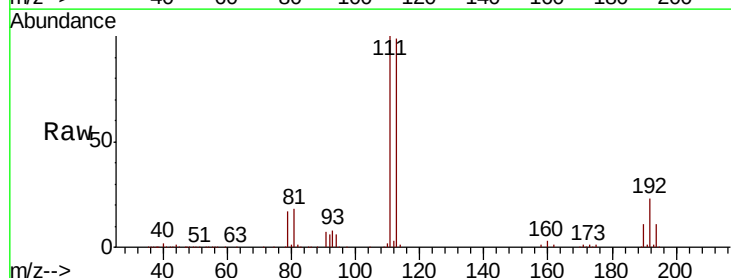
Tgt Ion:113 Resp: 146295

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

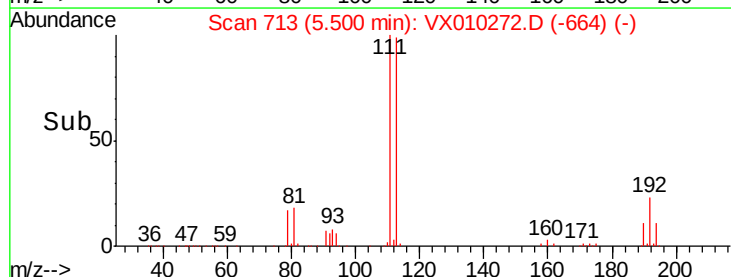
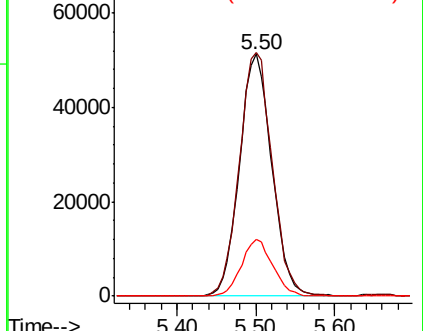
192 22.8 17.1 25.7

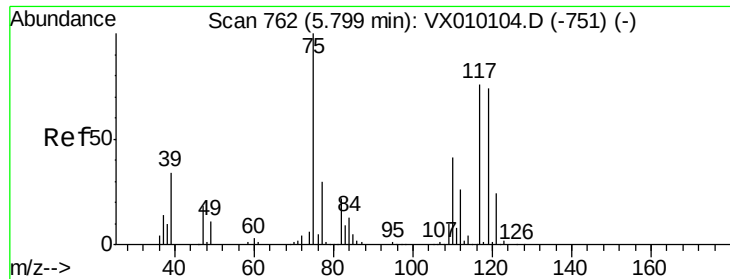


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

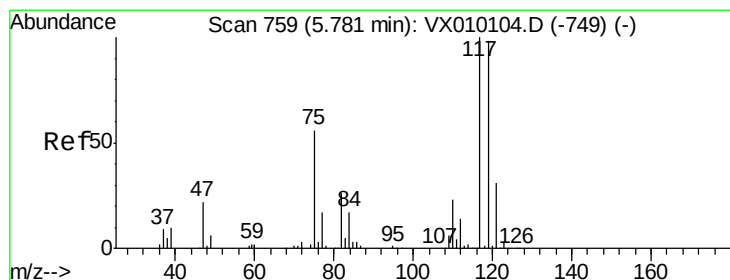
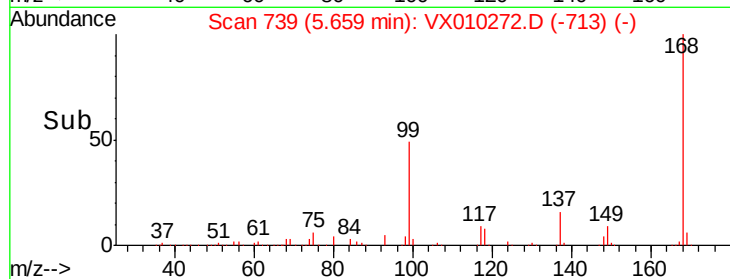
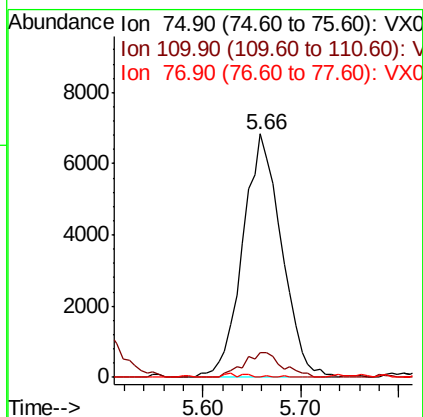
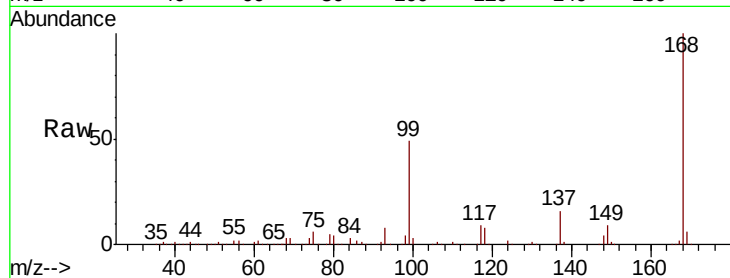




#36
 1,1-Dichloropropene
 Concen: 4.847 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010272.D
 Acq: 13 Jun 2019 15:02

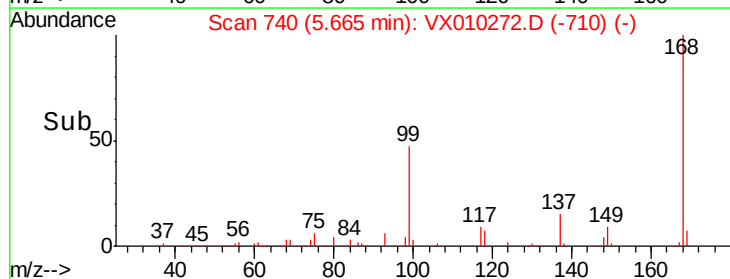
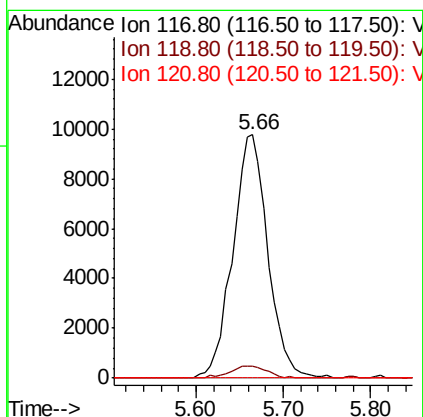
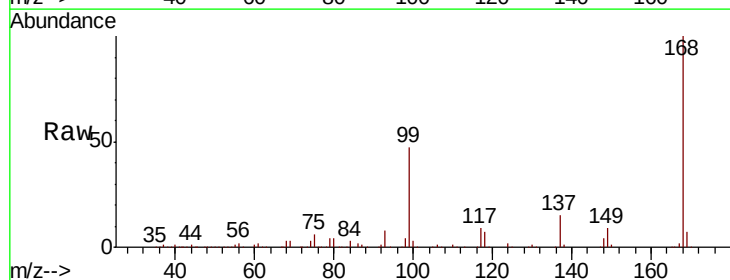
Instrument :
 MSVOA_X
 ClientSampleId :

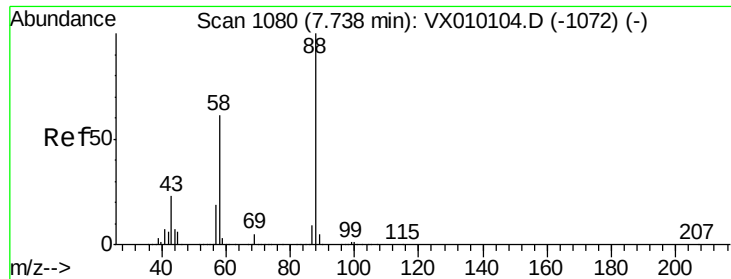
Tot Ion: 75 Resp: 18889
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.7 50.1#
 77 0.1 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.139 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010272.D
 Acq: 13 Jun 2019 15:02

Tgt Ion: 117 Resp: 27079
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.3 115.9#
 121 0.0 25.4 38.0#

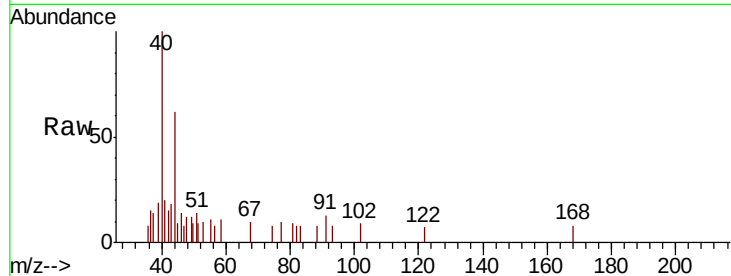




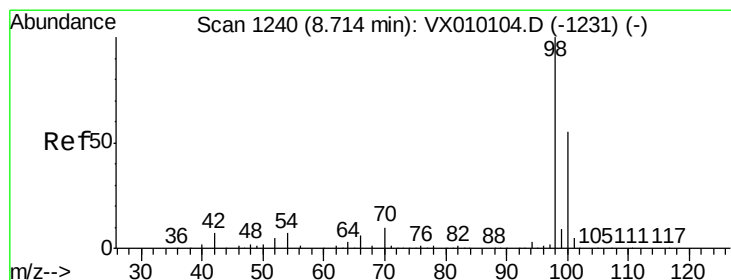
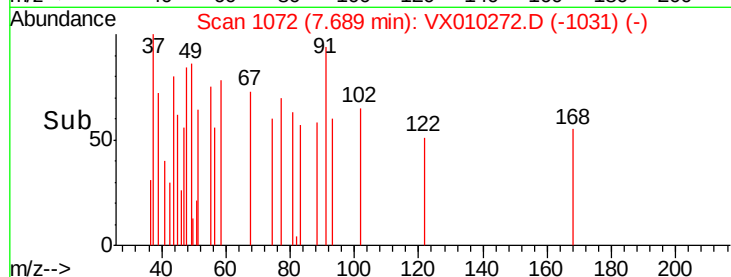
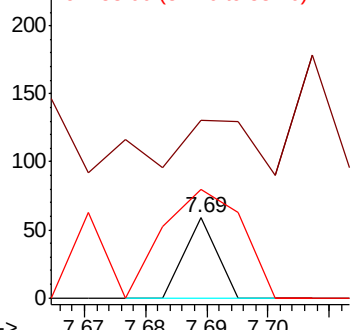
#49
1,4-Dioxane
Concen: 0.243 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.05 min
Lab File: VX010272.D
Acq: 13 Jun 2019 15:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 427.3 64.0 96.0#

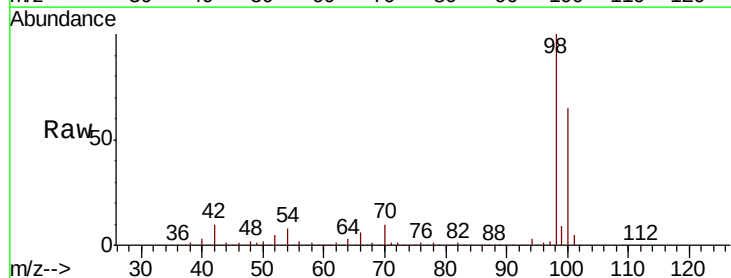


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

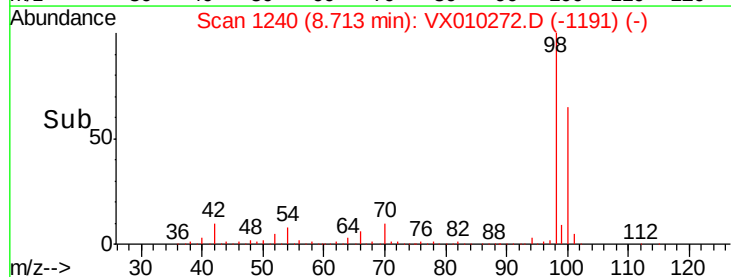
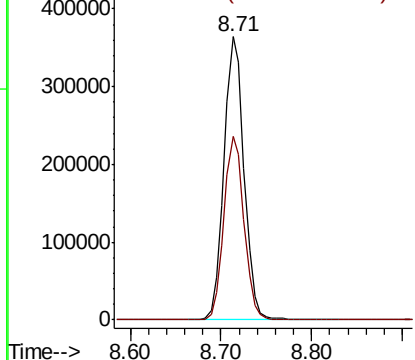


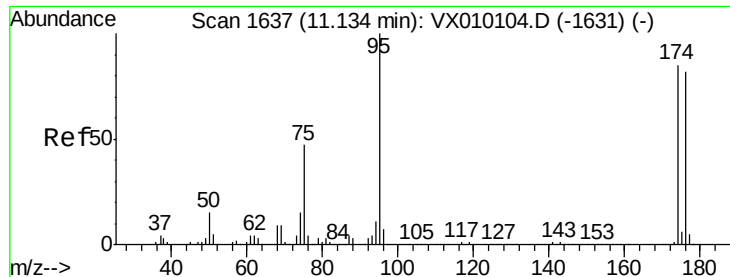
#50
Toluene-d8
Concen: 50.774 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010272.D
Acq: 13 Jun 2019 15:02

Tgt Ion: 98 Resp: 560634
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3



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





#62

4-Bromofluorobenzene

Concen: 45.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010272.D

Acq: 13 Jun 2019 15:02

Instrument :

MSVOA_X

ClientSampleId :

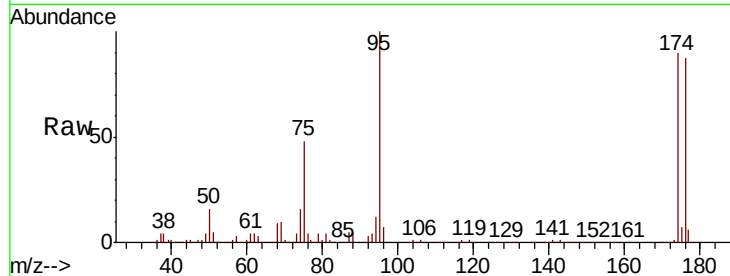
Tot Ion: 95 Resp: 189664

Ion Ratio Lower Upper

95 100

174 94.6 0.0 160.4

176 92.7 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

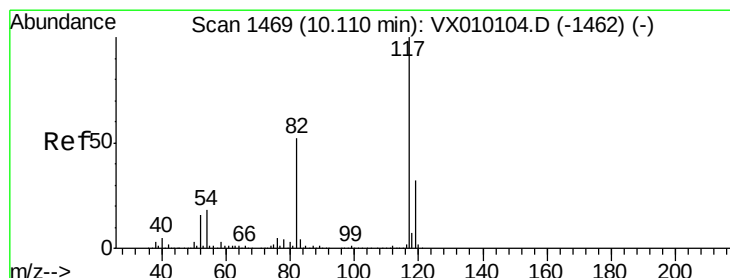
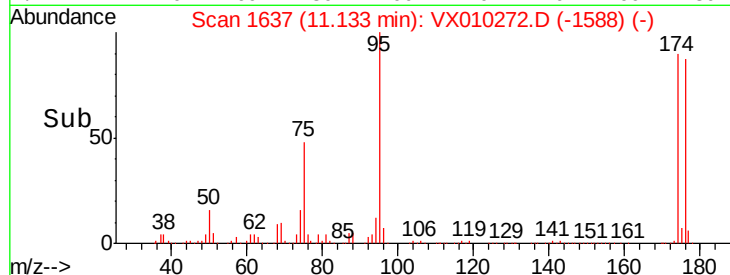
150000

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: VX010272.D

Acq: 13 Jun 2019 15:02

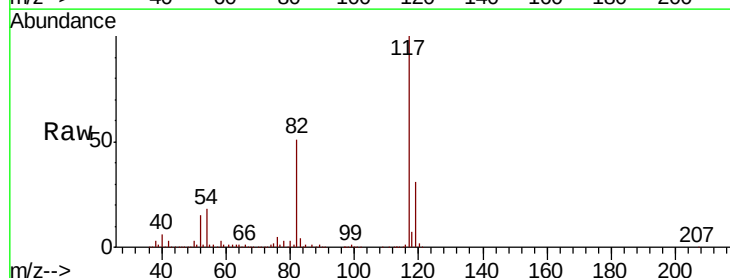
Tgt Ion: 117 Resp: 432481

Ion Ratio Lower Upper

117 100

82 50.5 49.2 73.8

119 31.1 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

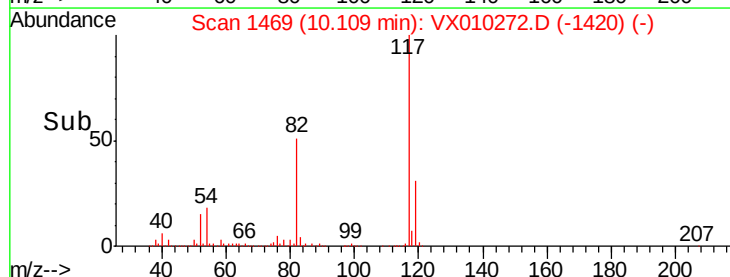
300000

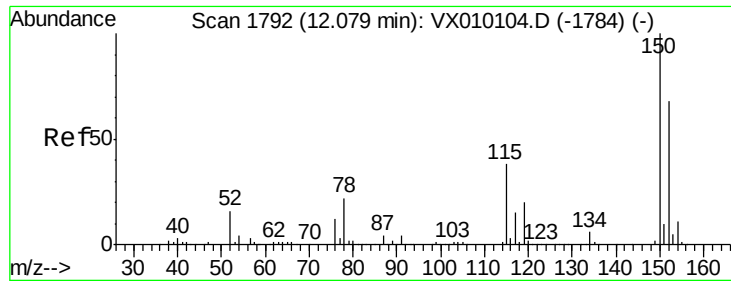
200000

100000

0

Time-->



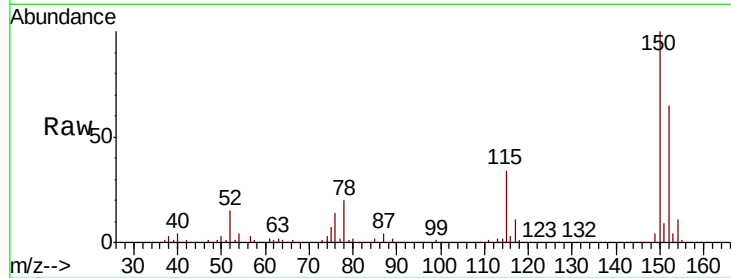


#72

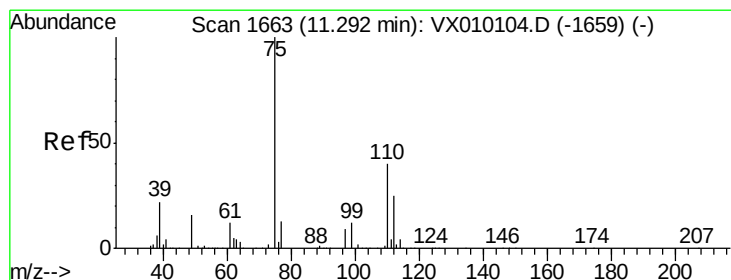
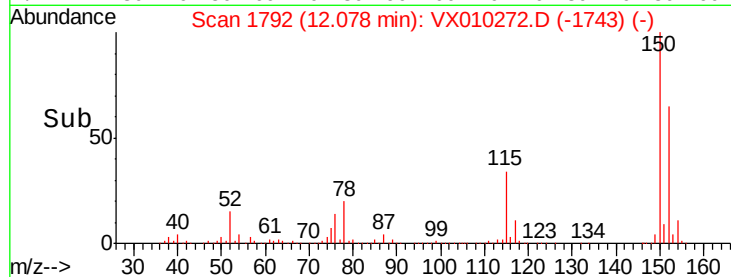
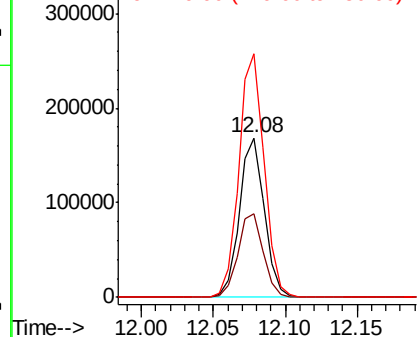
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010272.D
Acq: 13 Jun 2019 15:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.4	41.4	124.2
150	154.9	0.0	345.2



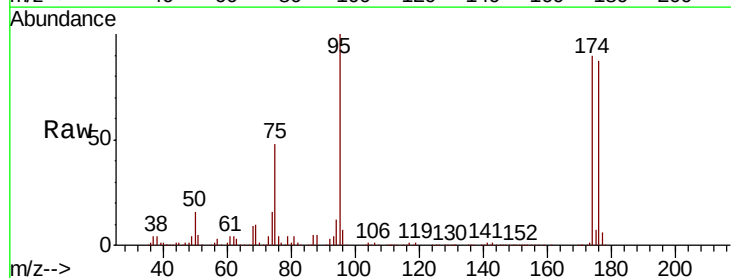
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



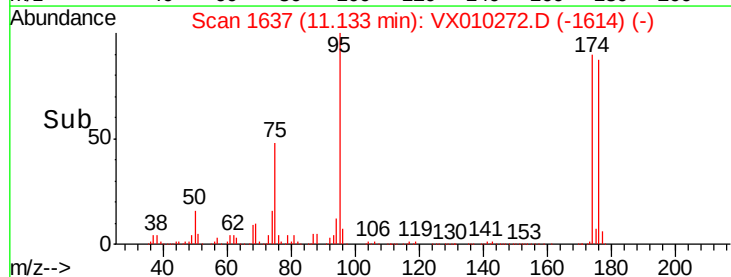
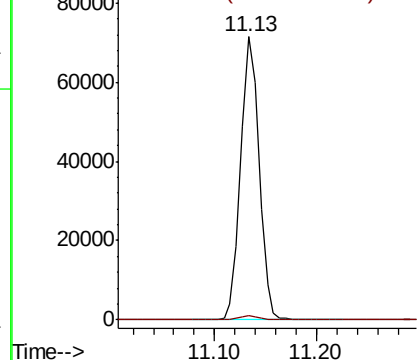
#76

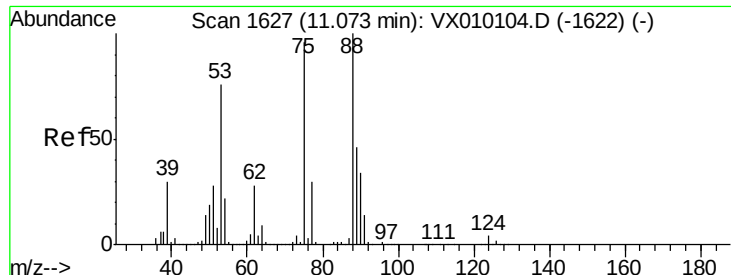
1,2,3-Trichloropropane
Concen: 21.895 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010272.D
Acq: 13 Jun 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	22.1	66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

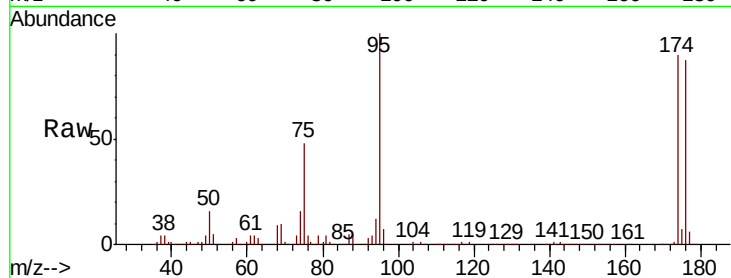




#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.375 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010272.D
 Acq: 13 Jun 2019 15:02

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 89148
 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

