

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120718\
 Data File : VX006336.D
 Acq On : 07 Dec 2018 10:19
 Operator : JC/MD
 Sample : VX1207WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBL01

Quant Time: Dec 08 00:06:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	773624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1171018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1027333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	501393	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	380849	48.22	ug/l	0.00
Spiked Amount						
			Recovery	=	96.44%	
35) Dibromofluoromethane	5.50	113	364461	48.07	ug/l	0.00
Spiked Amount						
			Recovery	=	96.14%	
50) Toluene-d8	8.71	98	1333176	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.13	95	488089	46.97	ug/l	0.00
Spiked Amount						
			Recovery	=	93.94%	

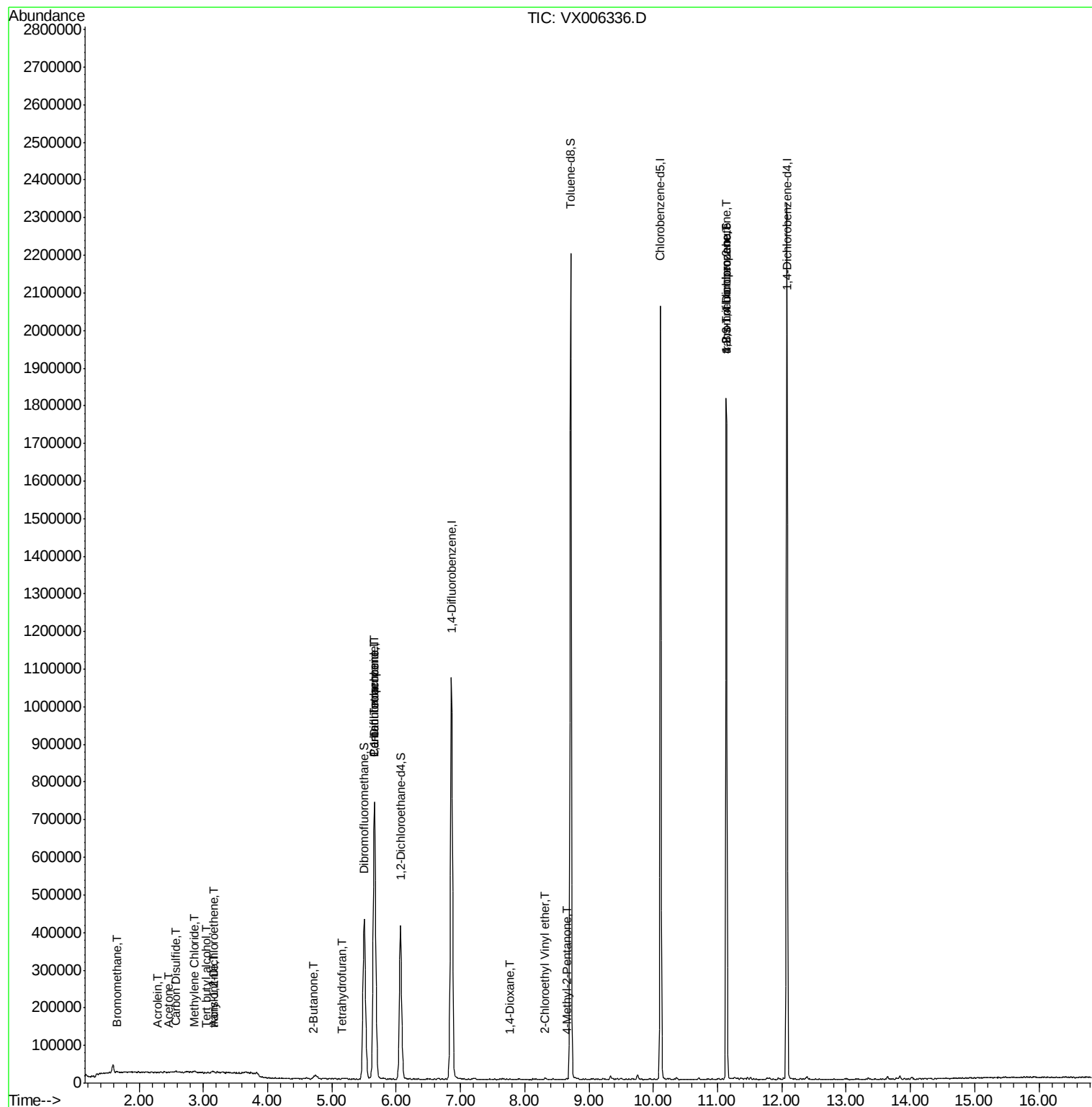
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1509	0.260	ug/l	83
11) Tert butyl alcohol	3.05	59	1413	0.654	ug/l #	55
13) Acrolein	2.29	56	279	0.236	ug/l #	1
15) Acrylonitrile	3.15	53	2710	0.601	ug/l	86
16) Acetone	2.45	43	1358	0.366	ug/l #	49
17) Carbon Disulfide	2.58	76	4453	0.206	ug/l #	92
20) Methylene Chloride	2.87	84	2113	0.268	ug/l #	75
21) trans-1,2-Dichloroethene	3.17	96	1552	0.208	ug/l #	66
25) 2-Butanone	4.70	43	1534	0.290	ug/l #	83
29) Tetrahydrofuran	5.15	42	1601	0.436	ug/l #	69
36) 1,1-Dichloropropene	5.67	75	45936	4.658	ug/l #	50
38) Carbon Tetrachloride	5.66	117	68762	5.927	ug/l #	16
49) 1,4-Dioxane	7.76	88	472	2.138	ug/l #	21
51) 4-Methyl-2-Pentanone	8.65	43	2890	0.270	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.32	63	1628	0.260	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	220052	22.738	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	220052	53.360	ug/l #	15

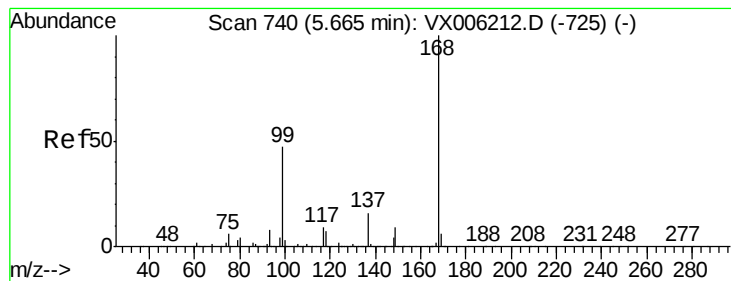
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 00:06:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

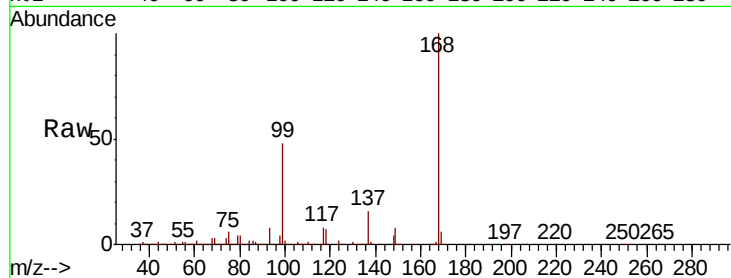
VX1207WBL01

Tot Ion:168 Resp: 773624

Ion Ratio Lower Upper

168 100

99 47.8 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

300000

200000

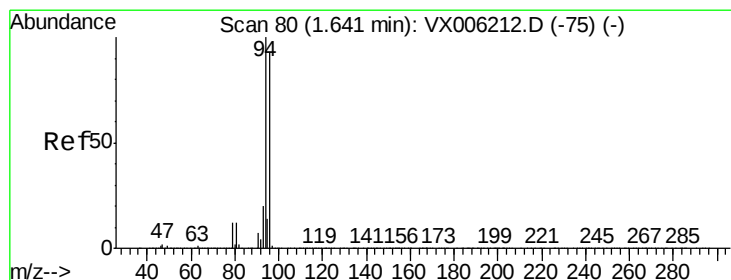
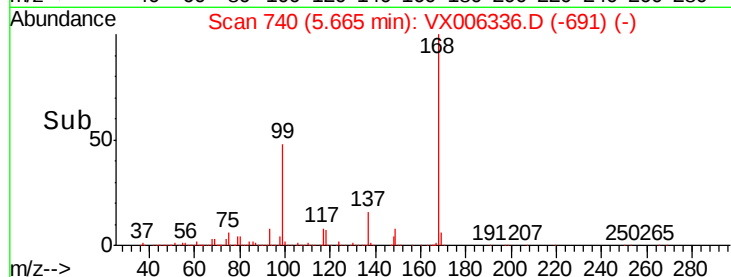
100000

0

5.67

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX006336.D

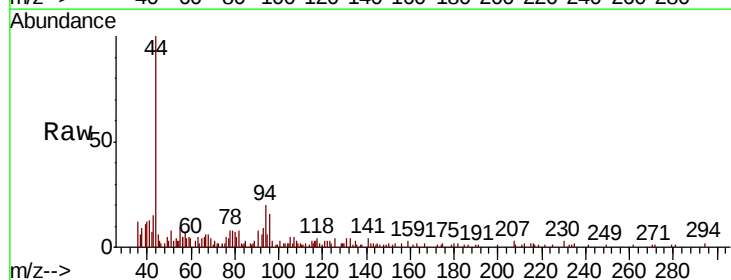
Acq: 07 Dec 2018 10:19

Tgt Ion: 94 Resp: 1509

Ion Ratio Lower Upper

94 100

96 76.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

600

400

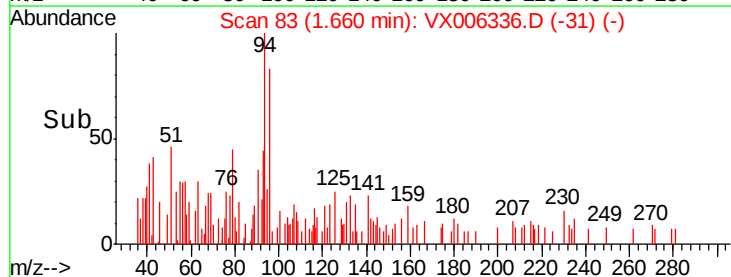
200

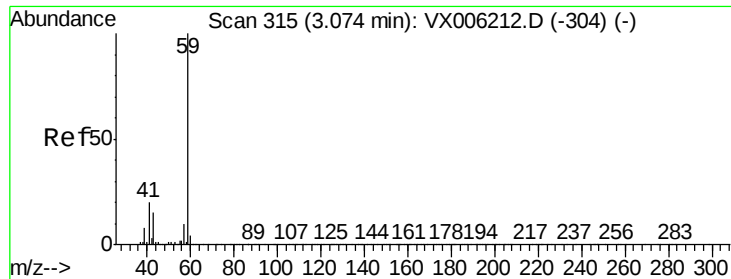
0

1.66

1.60 1.65 1.70

Time-->



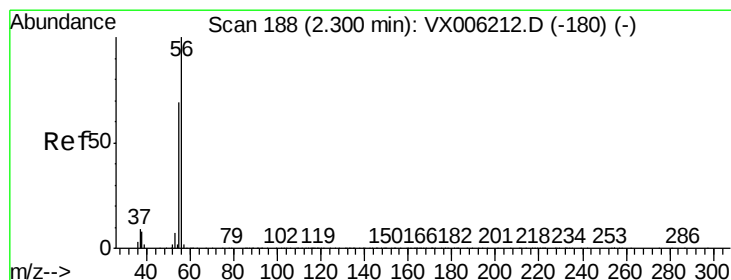
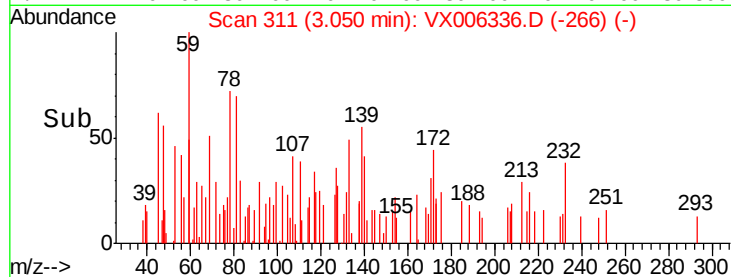
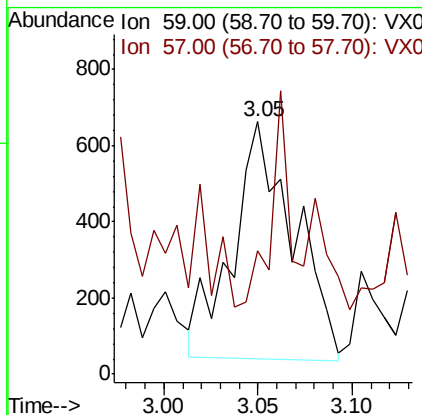
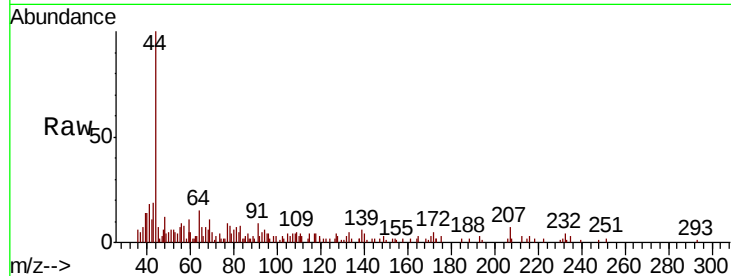


#11

Tert butyl alcohol
Concen: 0.654 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

Instrument :
MSVOA_X
ClientSampleId :
VX1207WBL01

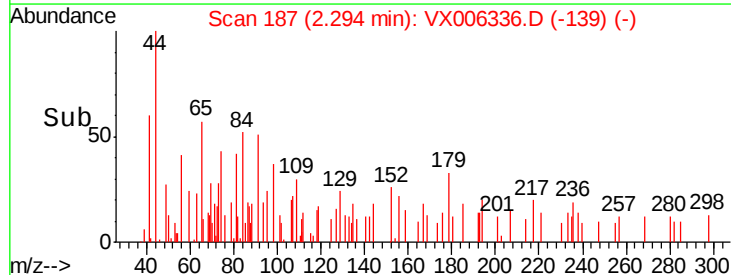
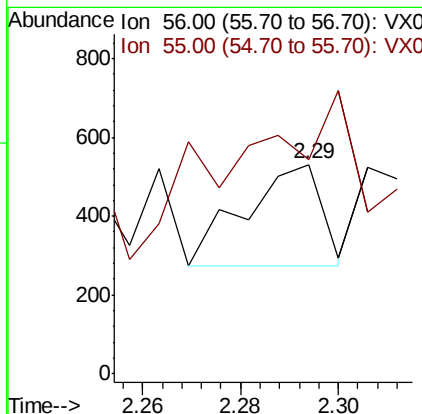
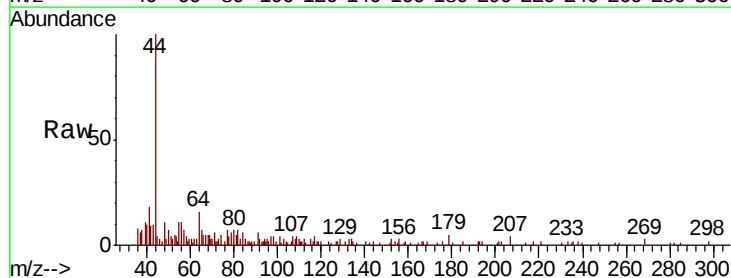
Tot Ion: 59 Resp: 1413
Ion Ratio Lower Upper
59 100
57 27.1 8.2 12.2#

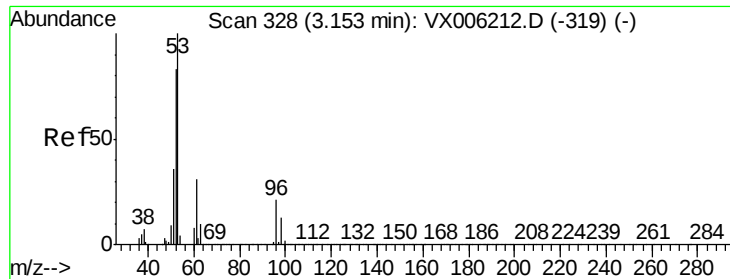


#13

Acrolein
Concen: 0.236 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

Tgt Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
55 293.2 57.8 86.6#





#15

Acrylonitrile

Concen: 0.601 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

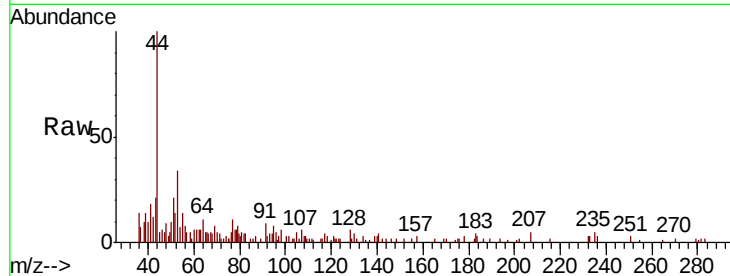
Tot Ion: 53 Resp: 2710

Ion Ratio Lower Upper

53 100

52 66.5 66.2 99.4

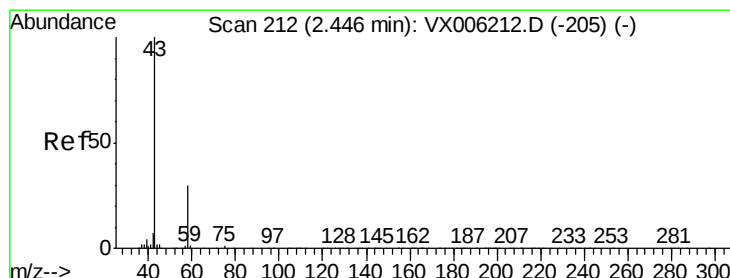
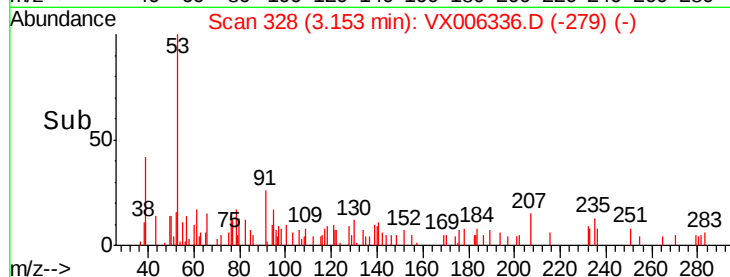
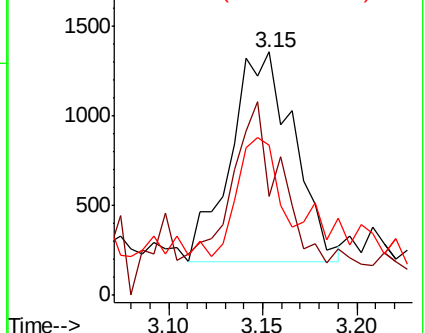
51 39.3 28.7 43.1



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: 0.366 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX006336.D

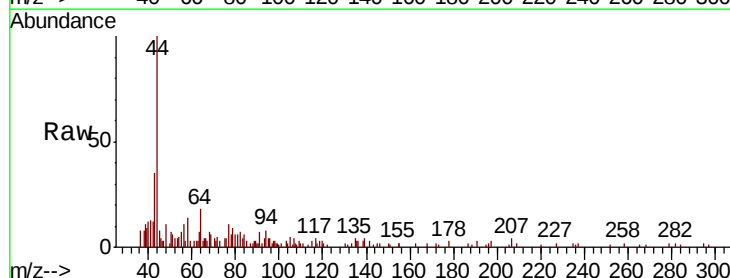
Acq: 07 Dec 2018 10:19

Tgt Ion: 43 Resp: 1358

Ion Ratio Lower Upper

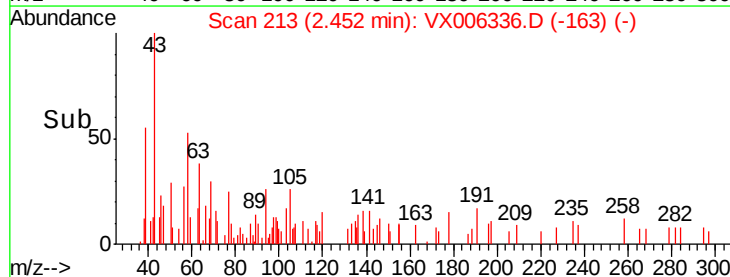
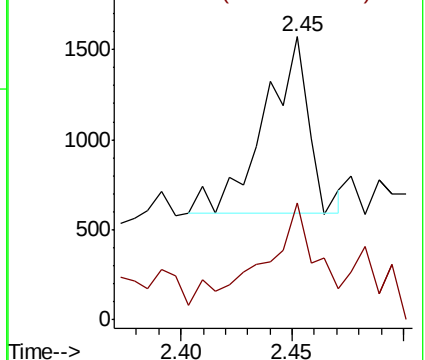
43 100

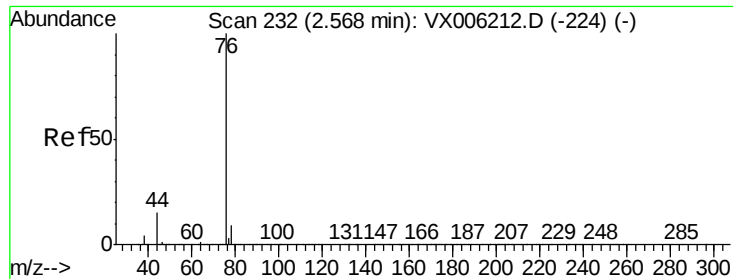
58 57.8 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

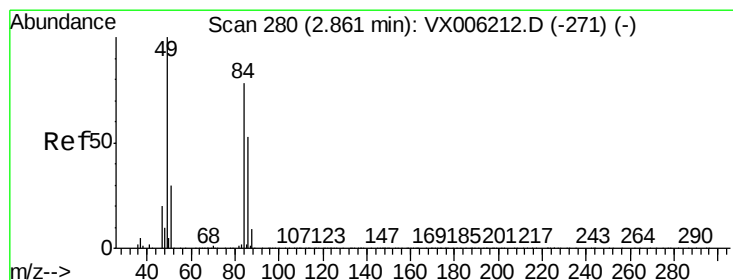
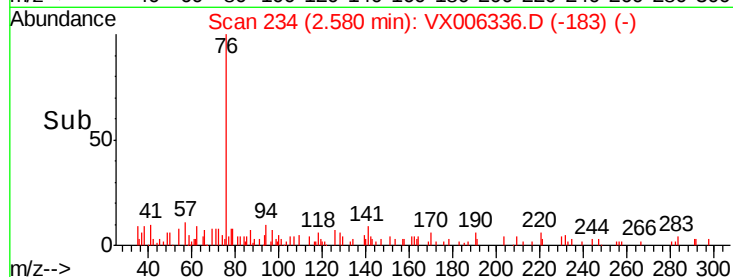
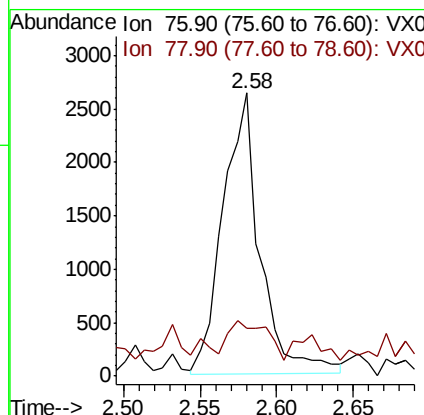
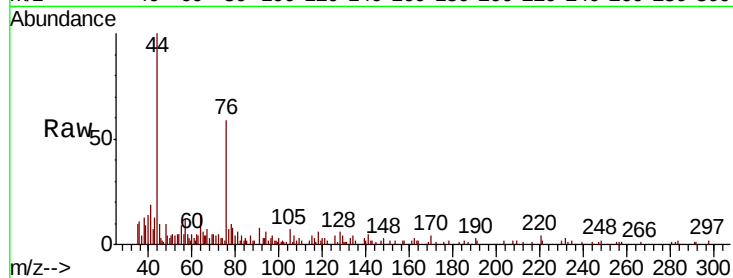




#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

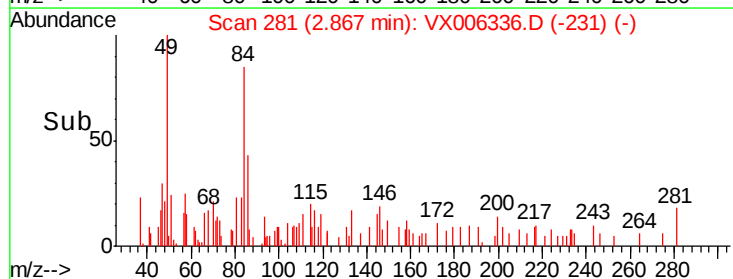
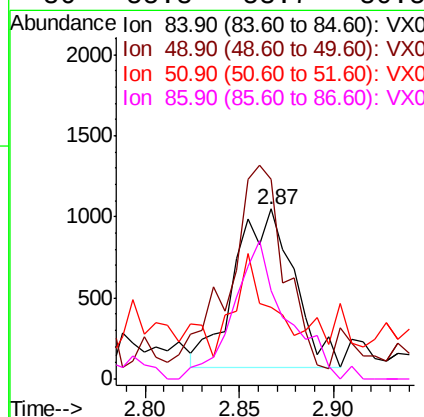
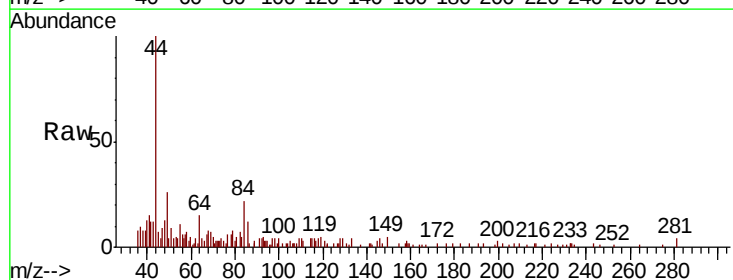
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBL01

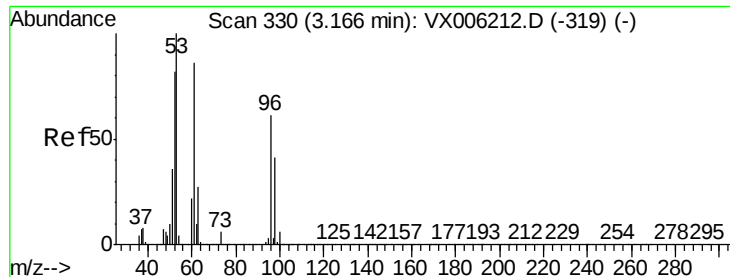
Tot Ion: 76 Resp: 4453
Ion Ratio Lower Upper
76 100
78 11.9 7.1 10.7#



#20
Methylene Chloride
Concen: 0.268 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

Tgt Ion: 84 Resp: 2113
Ion Ratio Lower Upper
84 100
49 98.7 102.2 153.4#
51 11.1 31.1 46.7#
86 55.8 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 0.208 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

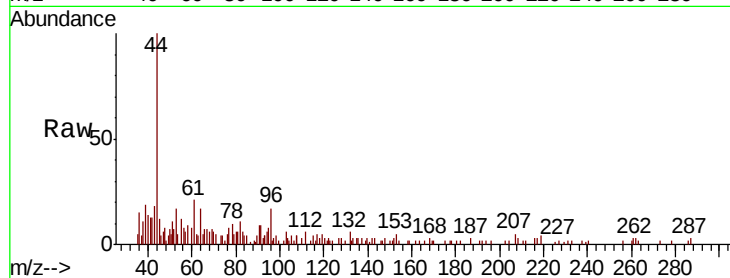
Tot Ion: 96 Resp: 1552

Ion Ratio Lower Upper

96 100

61 127.6 113.3 169.9

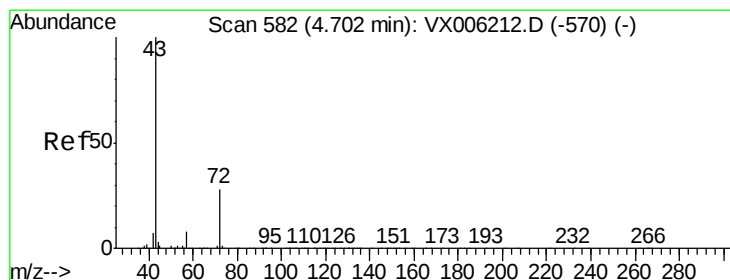
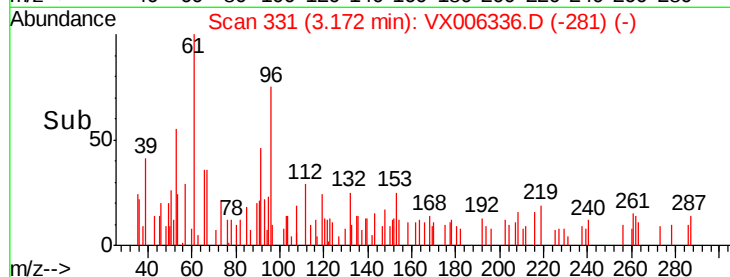
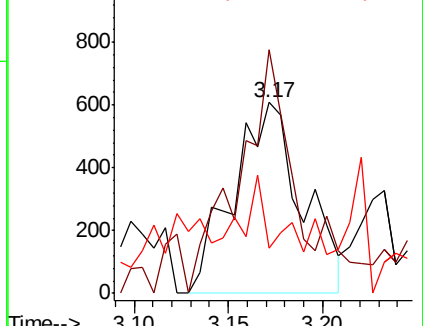
98 1.2 53.2 79.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.290 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006336.D

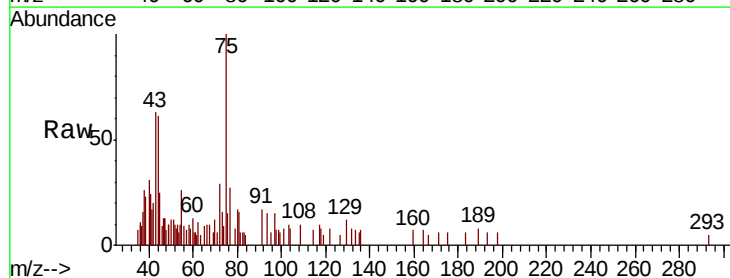
Acq: 07 Dec 2018 10:19

Tgt Ion: 43 Resp: 1534

Ion Ratio Lower Upper

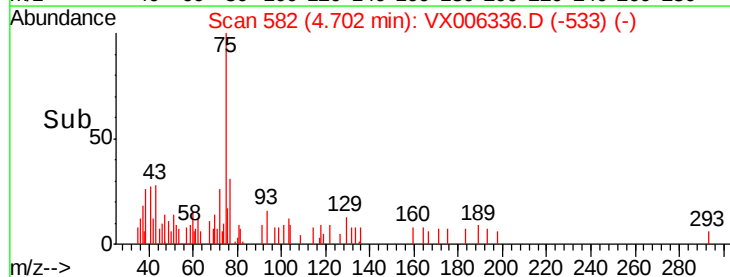
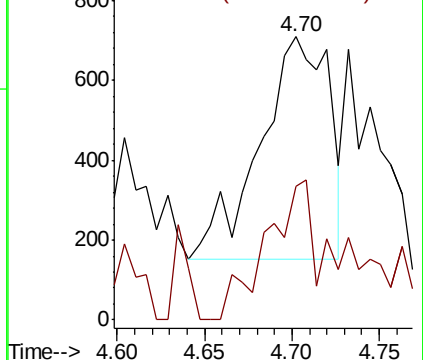
43 100

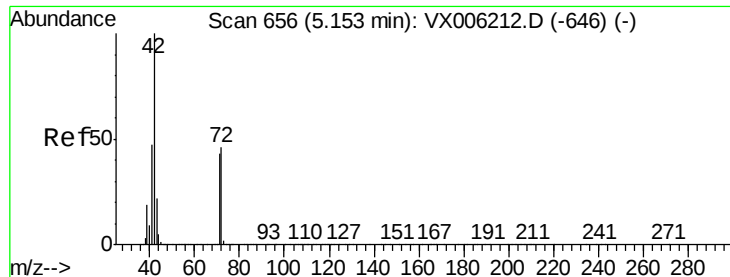
72 37.3 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.436 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampled :

VX1207WBL01

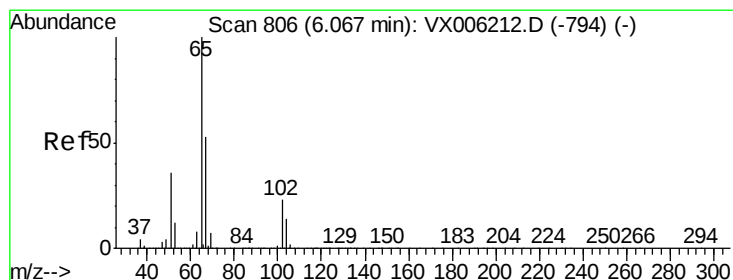
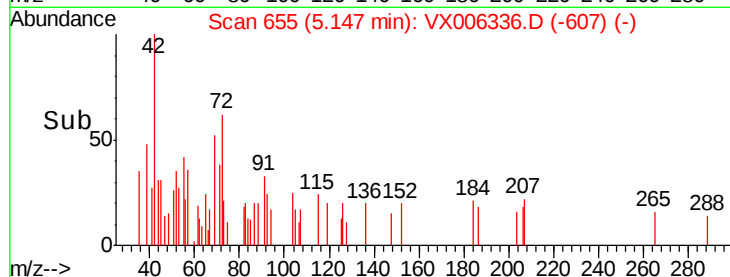
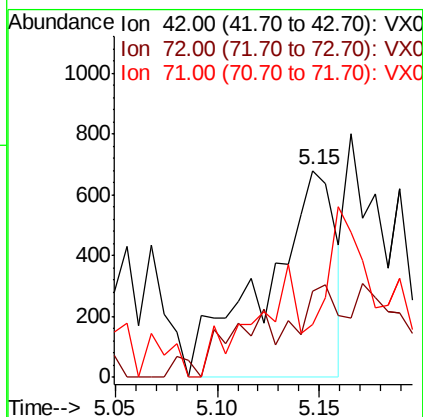
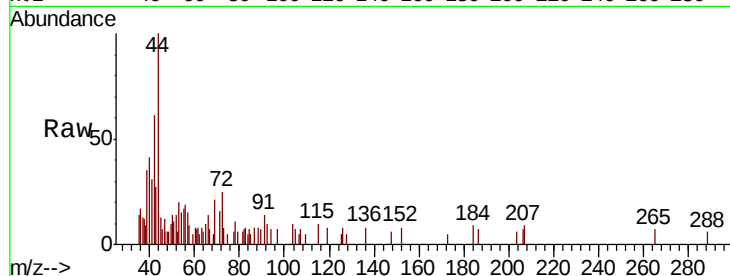
Tot Ion: 42 Resp: 1601

Ion Ratio Lower Upper

42 100

72 20.5 37.8 56.8#

71 29.9 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 48.224 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006336.D

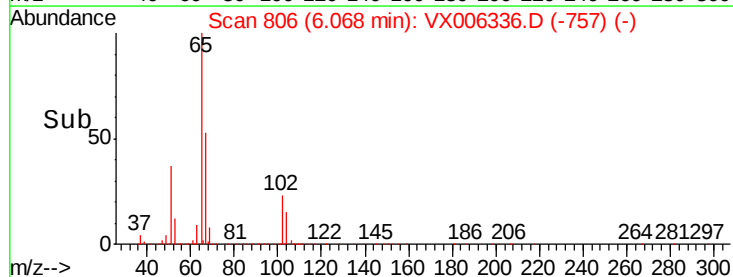
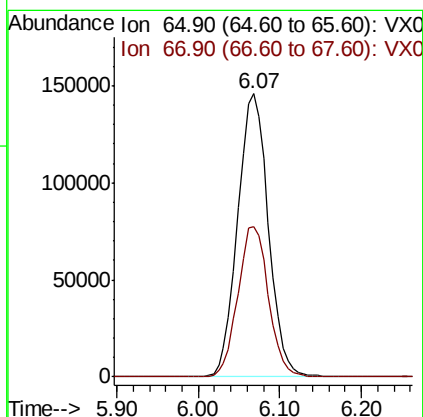
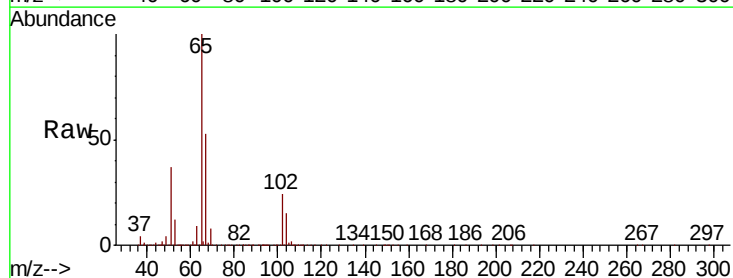
Acq: 07 Dec 2018 10:19

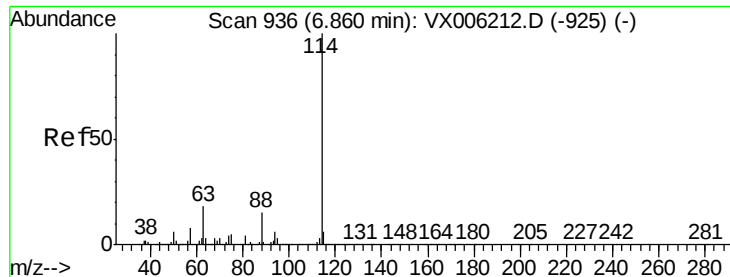
Tgt Ion: 65 Resp: 380849

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2

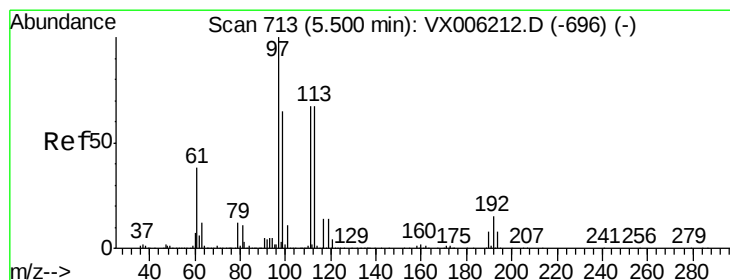
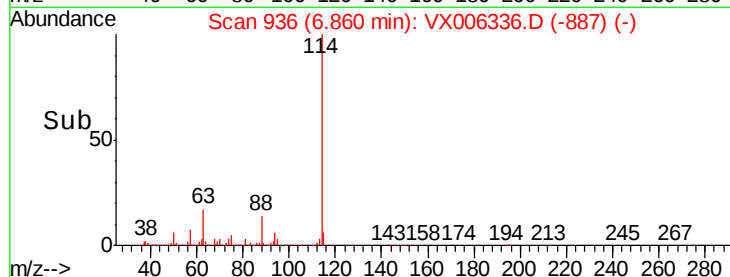
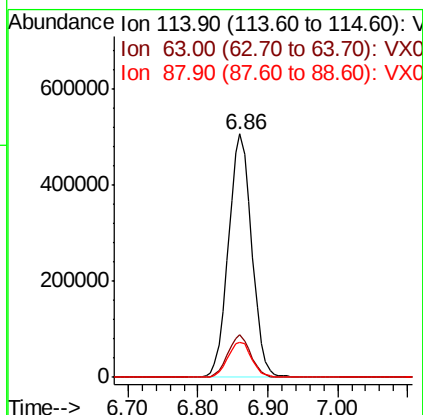
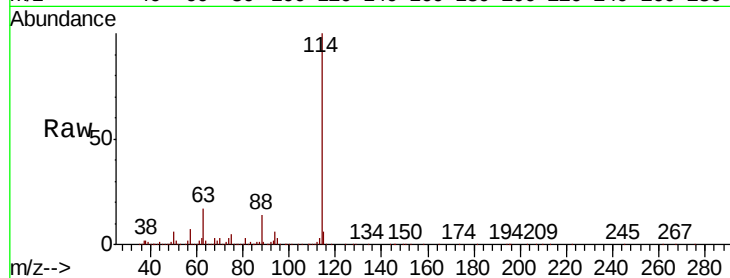




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006336.D
 Acq: 07 Dec 2018 10:19

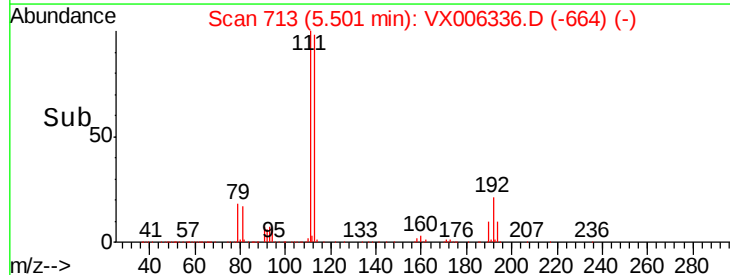
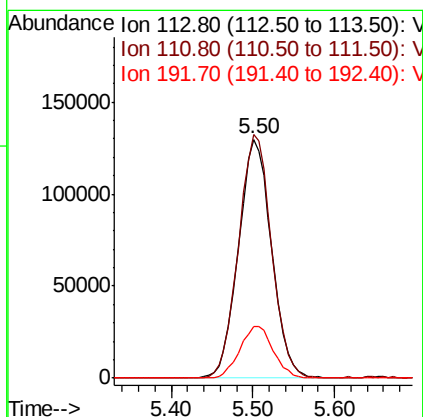
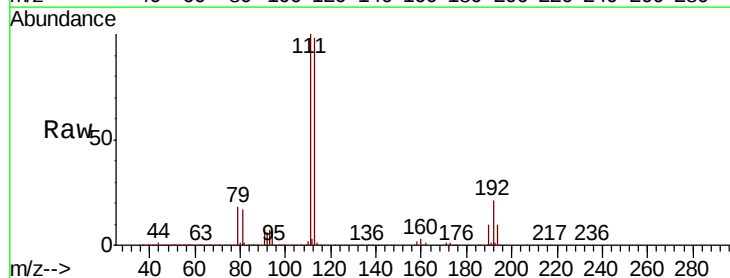
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBL01

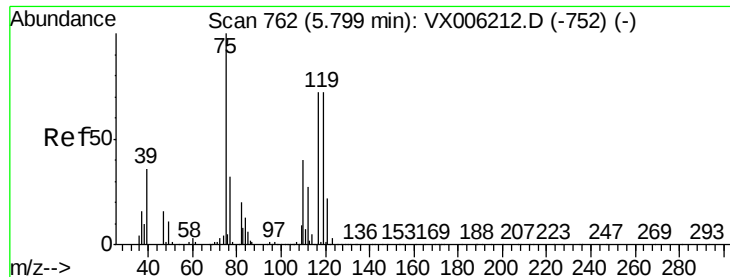
Tot Ion:114 Resp: 1171018
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.6
 88 14.4 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 48.070 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006336.D
 Acq: 07 Dec 2018 10:19

Tgt Ion:113 Resp: 364461
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 22.0 18.2 27.2





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

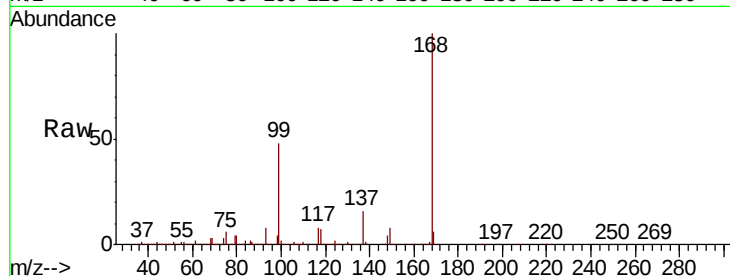
Tot Ion: 75 Resp: 45936

Ion Ratio Lower Upper

75 100

110 11.7 20.4 61.3#

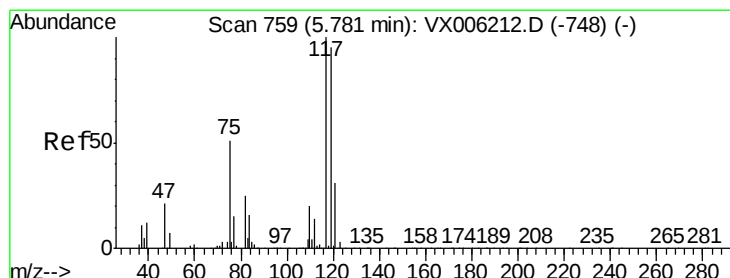
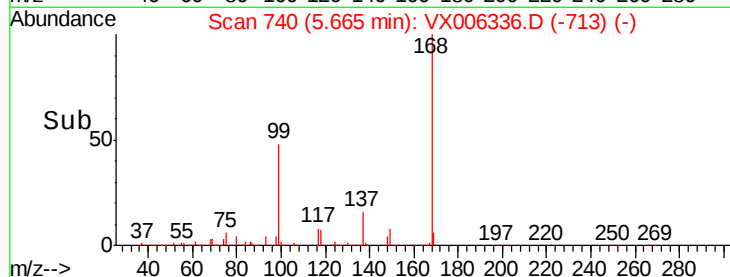
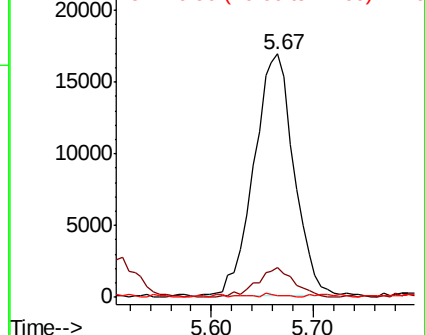
77 0.9 24.9 37.3#



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: 5.927 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

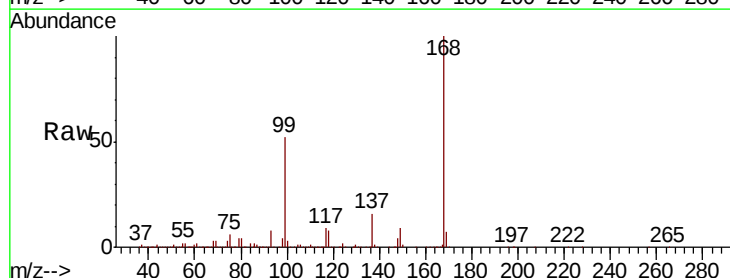
Tgt Ion:117 Resp: 68762

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

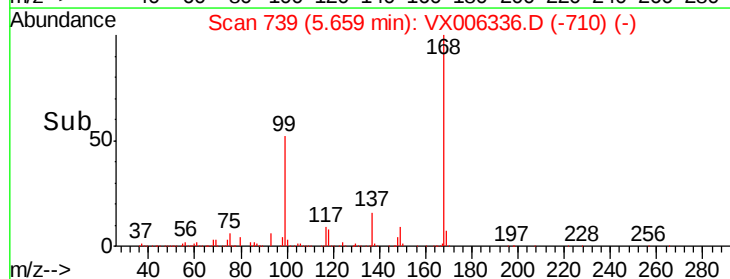
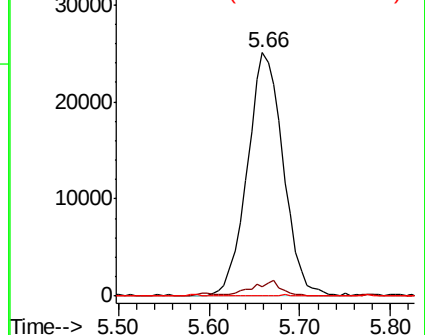
121 0.0 24.6 37.0#

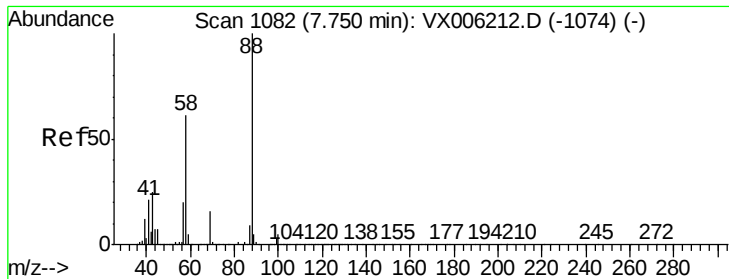


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

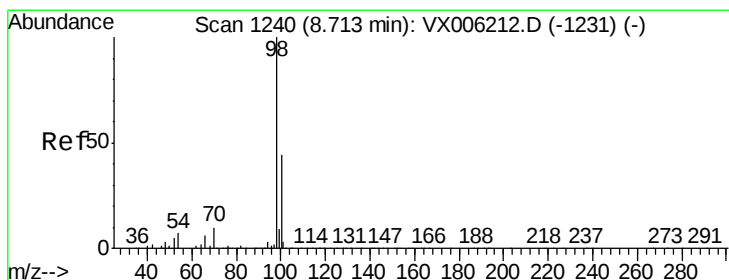
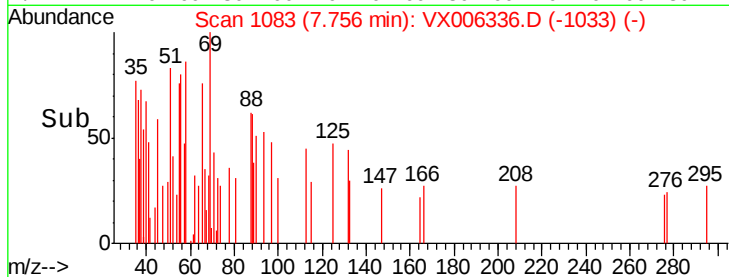
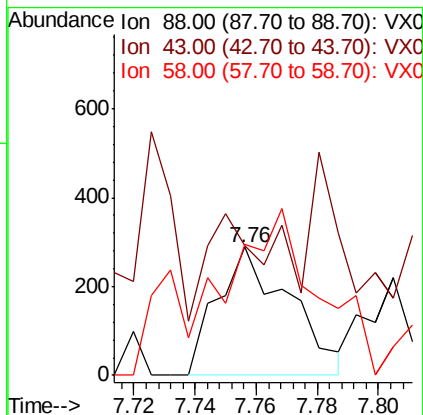
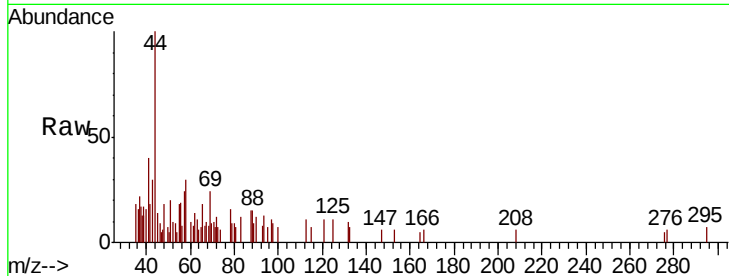




#49
1,4-Dioxane
Concen: 2.138 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

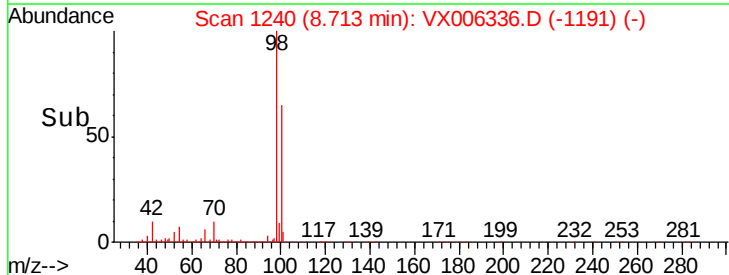
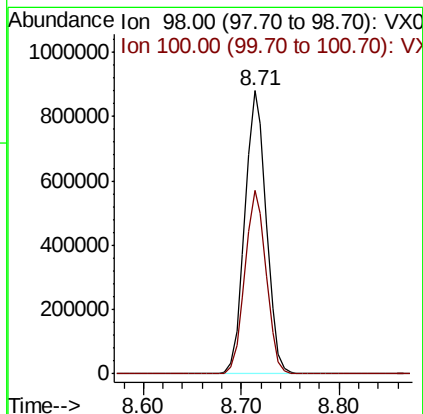
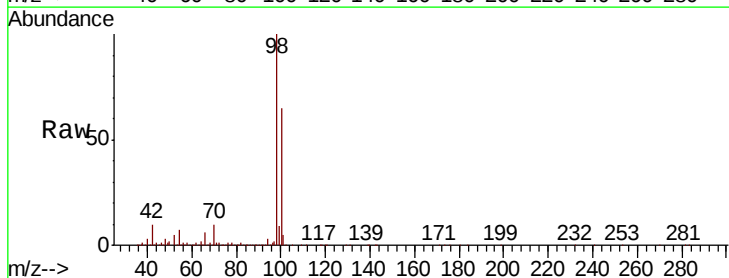
Instrument :
MSVOA_X
ClientSampleId :
VX1207WBL01

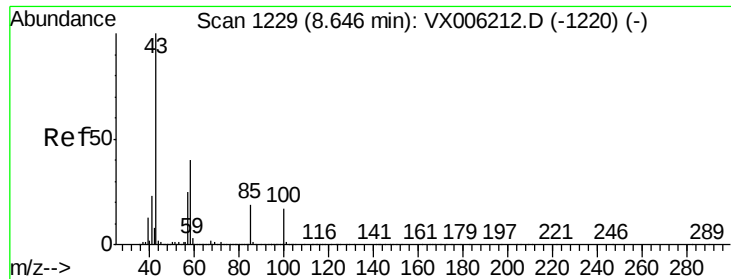
Tot Ion: 88 Resp: 472
Ion Ratio Lower Upper
88 100
43 67.2 23.2 34.8#
58 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 48.341 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006336.D
Acq: 07 Dec 2018 10:19

Tgt Ion: 98 Resp: 1333176
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

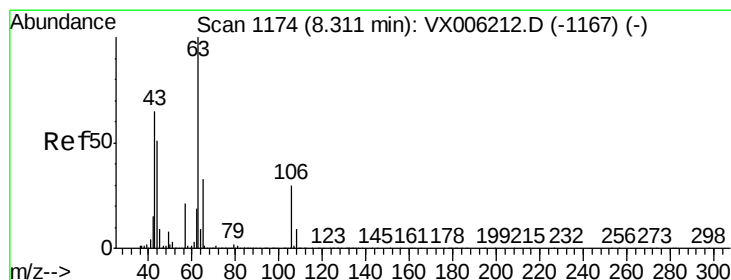
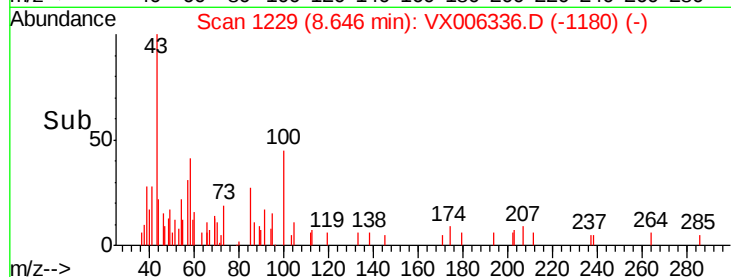
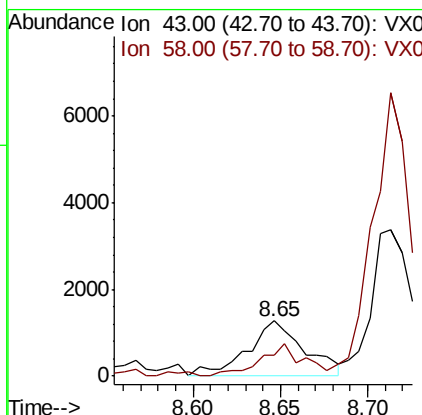
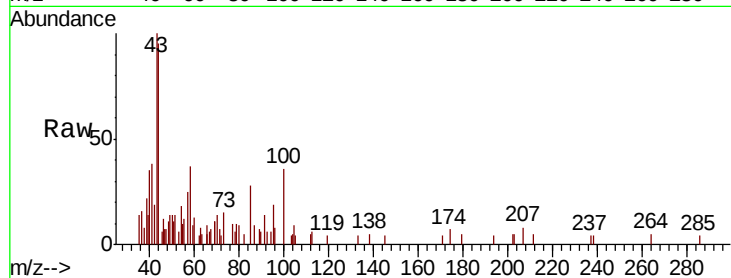




#51
 4-Methyl-2-Pentanone
 Concen: 0.270 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX006336.D
 Acq: 07 Dec 2018 10:19

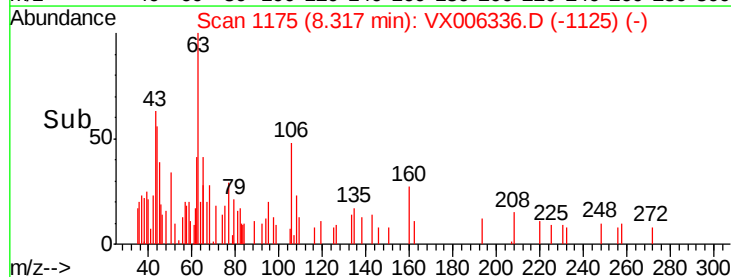
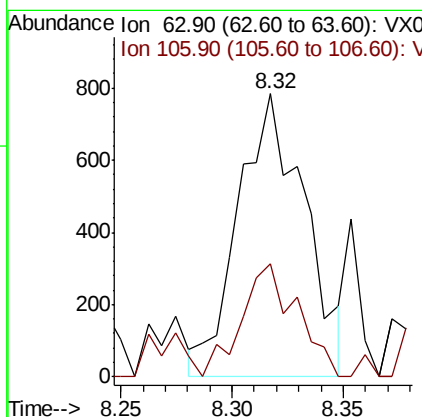
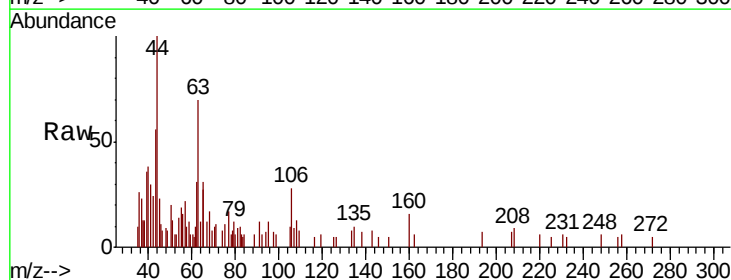
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1207WBL01

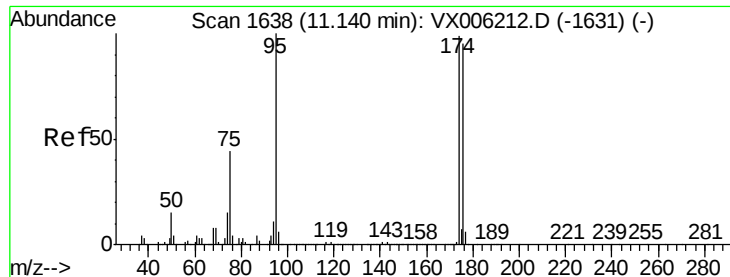
Tot Ion: 43 Resp: 2890
 Ion Ratio Lower Upper
 43 100
 58 43.7 31.3 46.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.260 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006336.D
 Acq: 07 Dec 2018 10:19

Tgt Ion: 63 Resp: 1628
 Ion Ratio Lower Upper
 63 100
 106 33.4 24.9 37.3





#62

4-Bromofluorobenzene

Concen: 46.966 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

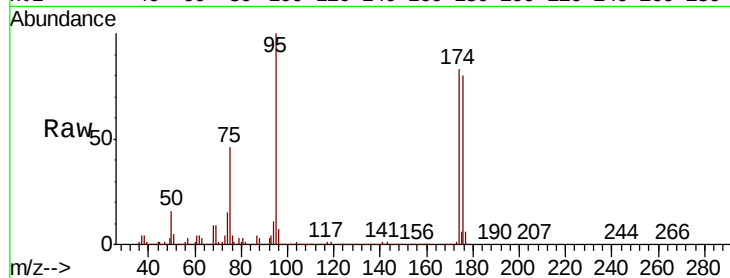
Tot Ion: 95 Resp: 488089

Ion Ratio Lower Upper

95 100

174 90.0 0.0 187.0

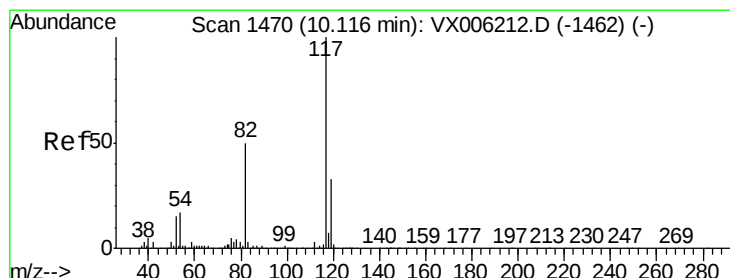
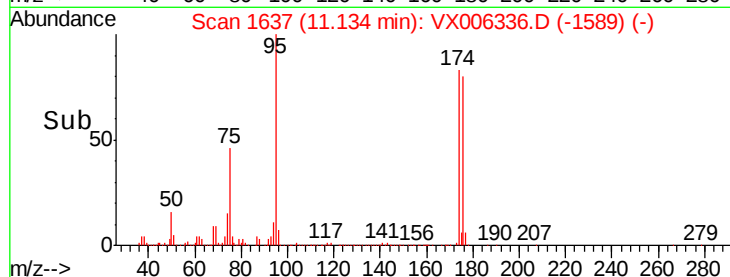
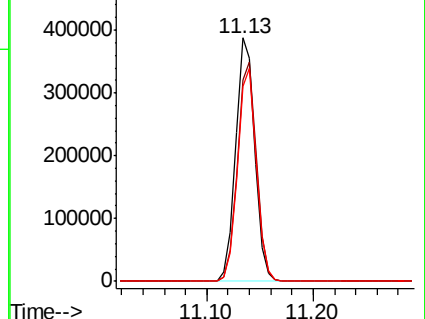
176 86.6 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

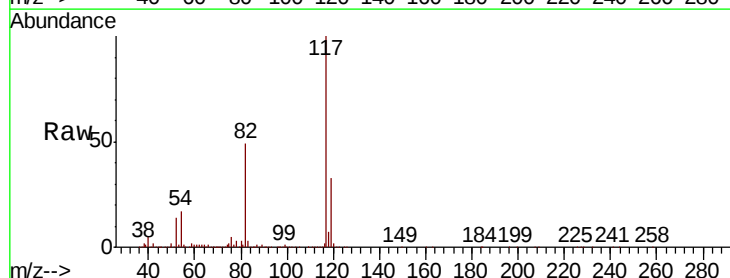
Tgt Ion: 117 Resp: 1027333

Ion Ratio Lower Upper

117 100

82 48.5 39.6 59.4

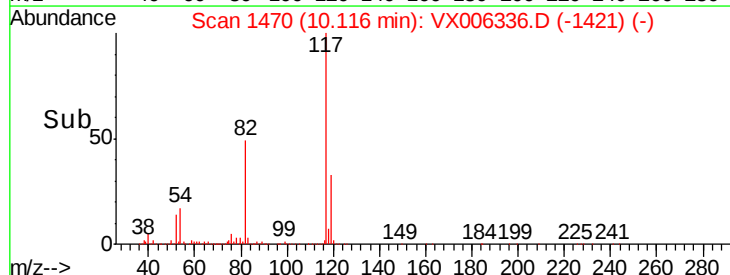
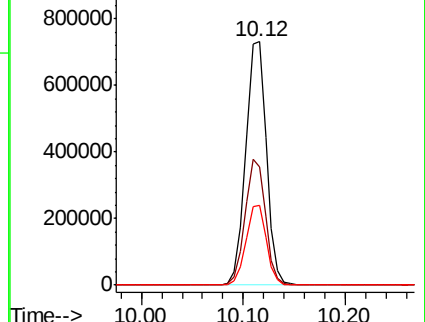
119 32.7 26.3 39.5

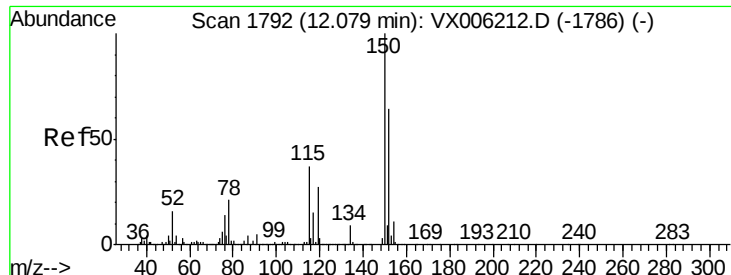


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

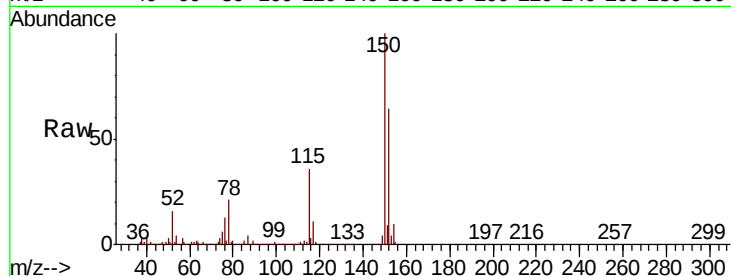
Tot Ion:152 Resp: 501393

Ion Ratio Lower Upper

152 100

115 55.6 39.0 116.9

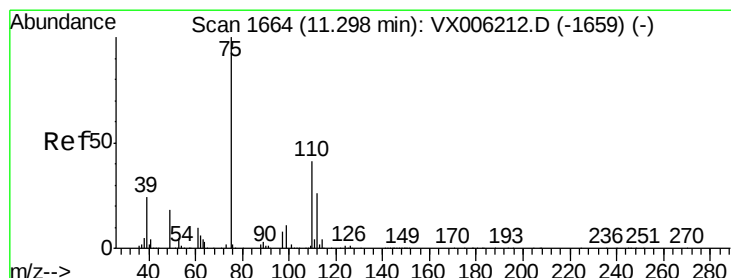
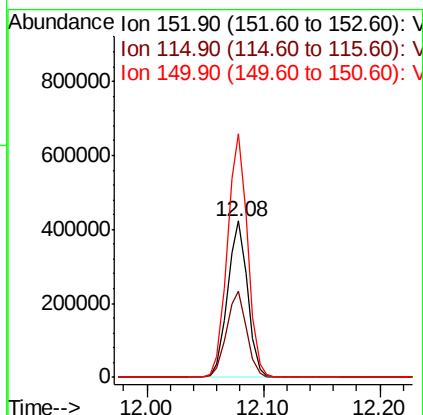
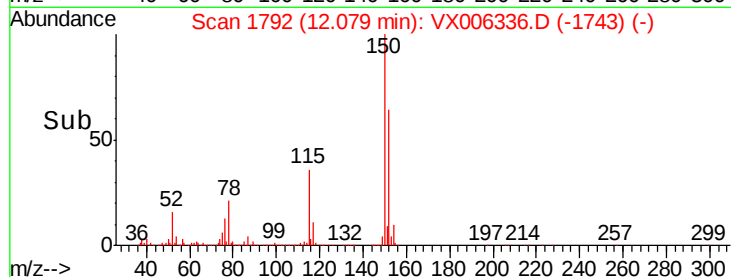
150 157.4 0.0 345.8



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: 22.738 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006336.D

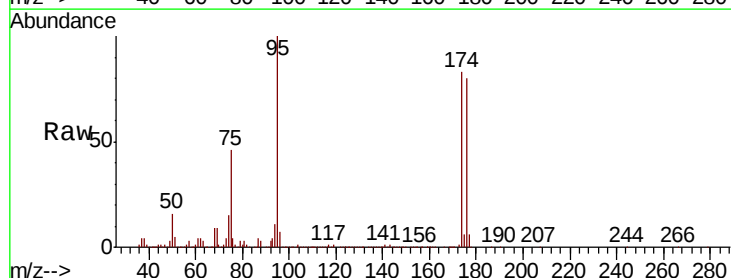
Acq: 07 Dec 2018 10:19

Tgt Ion: 75 Resp: 220052

Ion Ratio Lower Upper

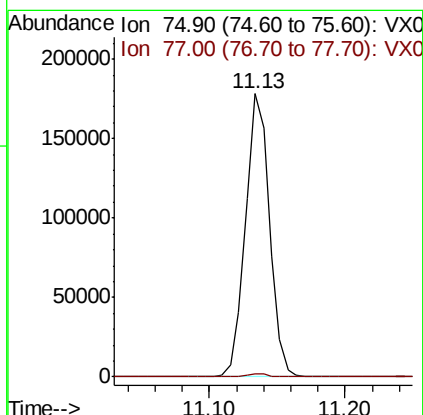
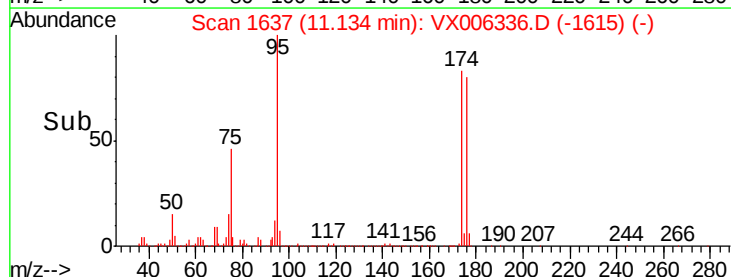
75 100

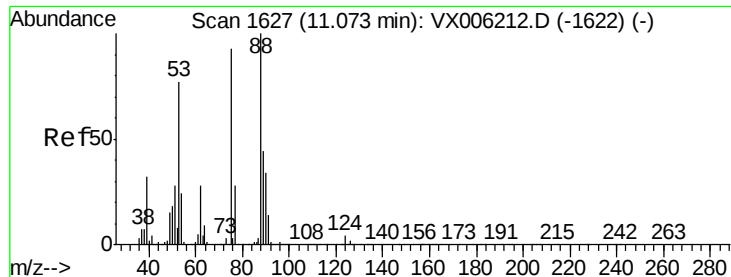
77 1.2 19.9 59.7#



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: 53.360 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006336.D

Acq: 07 Dec 2018 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX1207WBL01

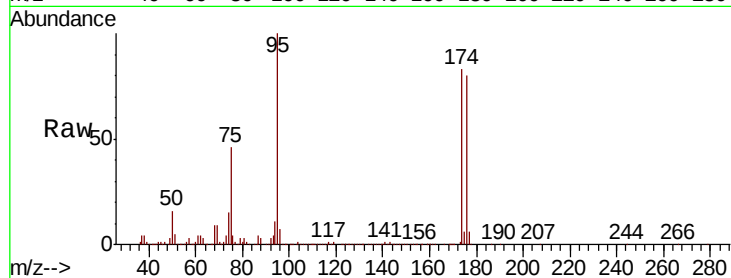
Tot Ion: 75 Resp: 220052

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#



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

