

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006272.D
 Acq On : 04 Dec 2018 12:29
 Operator : JC/MD
 Sample : J5762-07
 Misc : 6.14g/5mL100ul/5.00ml/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-02-112918

Quant Time: Dec 04 12:57:12 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	5.66	168	751449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1124222	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1023506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	555284	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	365504	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	5.50	113	348123	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	8.71	98	1306867	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	510664	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	

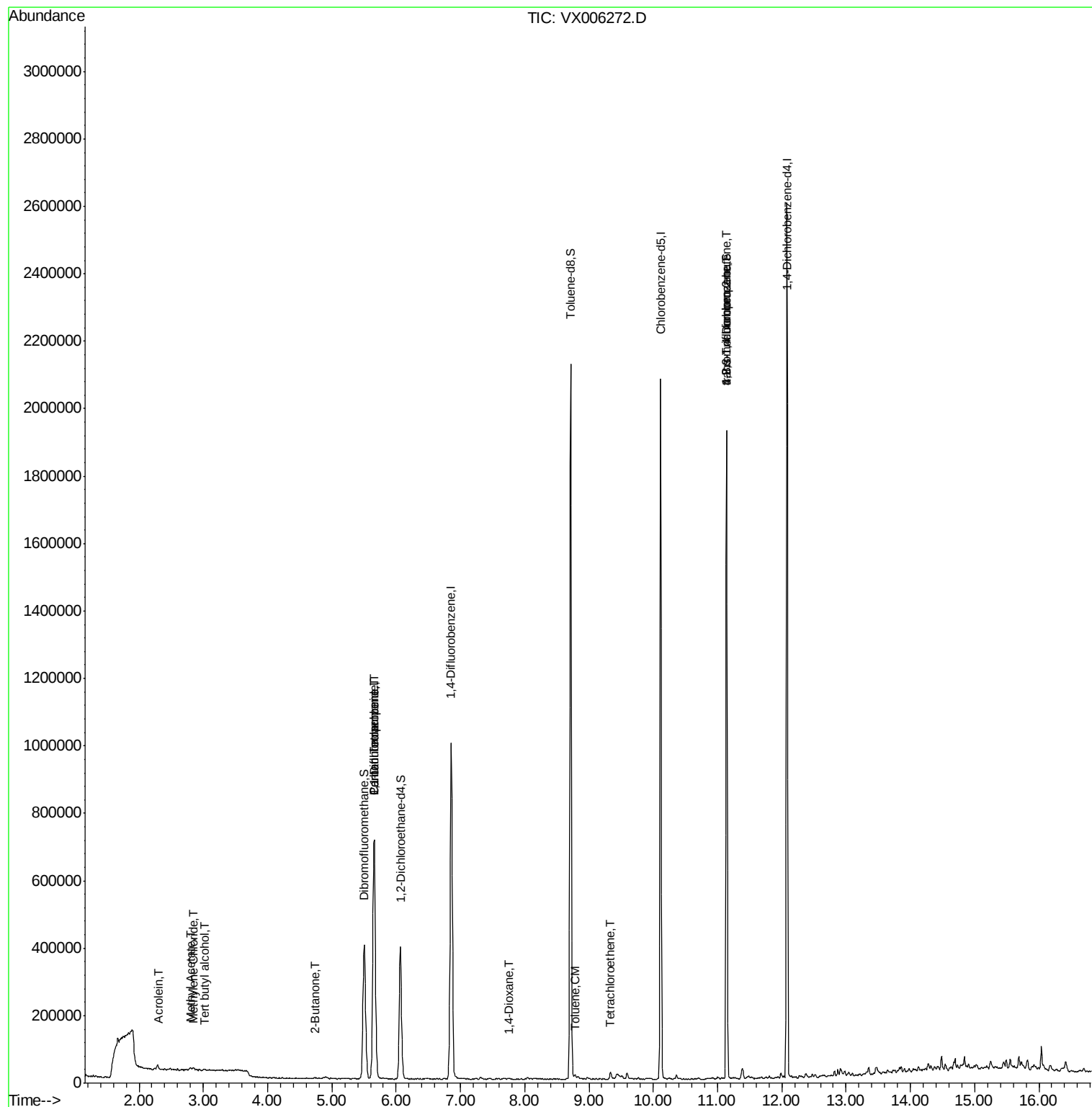
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	2252	1.073	ug/l #	73
13) Acrolein	2.31	56	309	0.269	ug/l #	1
18) Methyl Acetate	2.80	43	8660	0.719	ug/l	94
20) Methylene Chloride	2.85	84	3371	0.440	ug/l	93
25) 2-Butanone	4.74	43	7483	1.457	ug/l	91
36) 1,1-Dichloropropene	5.65	75	46195	4.880	ug/l #	48
38) Carbon Tetrachloride	5.65	117	66039	5.930	ug/l #	17
49) 1,4-Dioxane	7.74	88	169	0.797	ug/l #	7
52) Toluene	8.78	92	4153	0.223	ug/l	85
64) Tetrachloroethene	9.34	164	2169	0.281	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	230841	21.538	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	230841	50.544	ug/l #	15

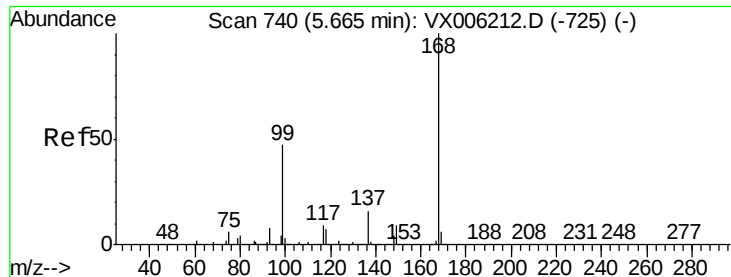
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120418\
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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

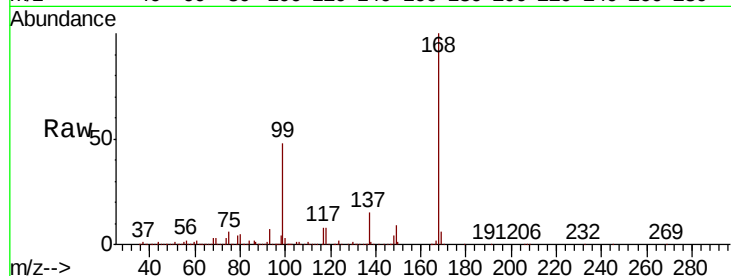
BU-02-112918

Tot Ion:168 Resp: 751449

Ion Ratio Lower Upper

168 100

99 48.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

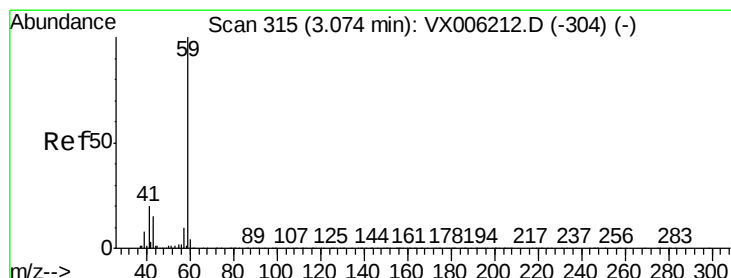
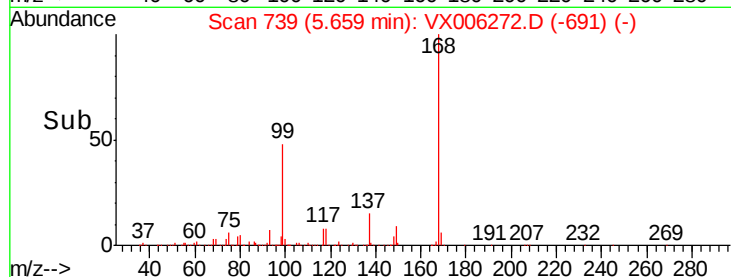
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.073 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006272.D

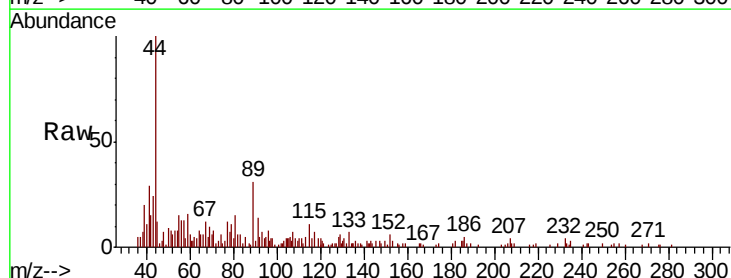
Acq: 04 Dec 2018 12:29

Tgt Ion: 59 Resp: 2252

Ion Ratio Lower Upper

59 100

57 20.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

800

600

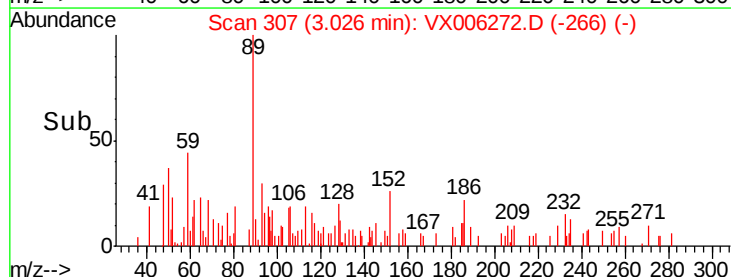
400

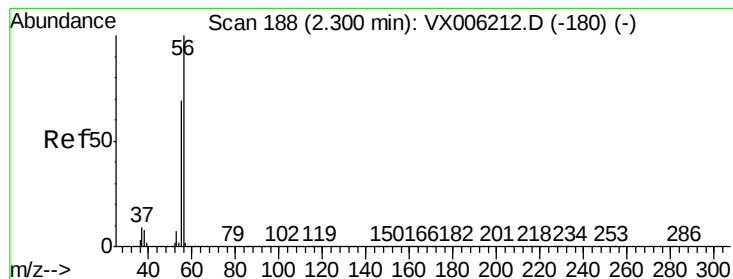
200

0

Time-->

2.95 3.00 3.05 3.10 3.15





#13

Acrolein

Concen: 0.269 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

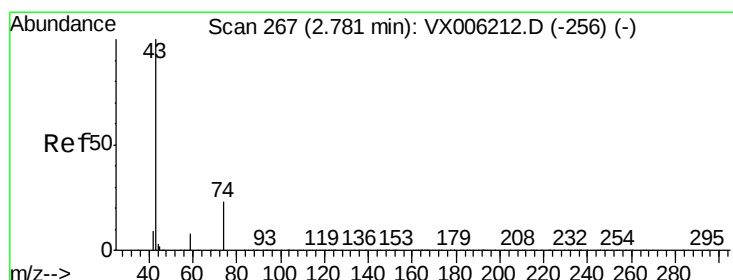
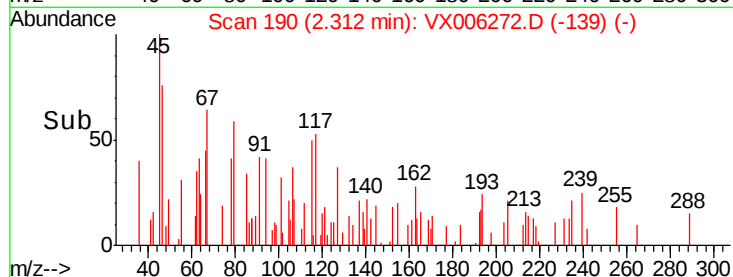
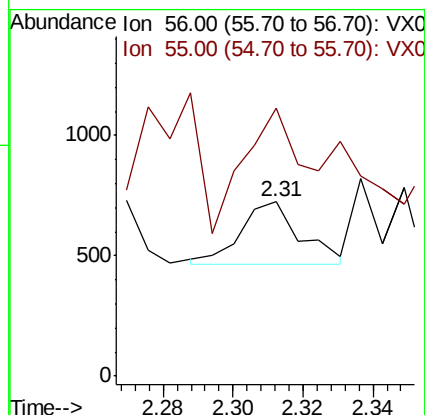
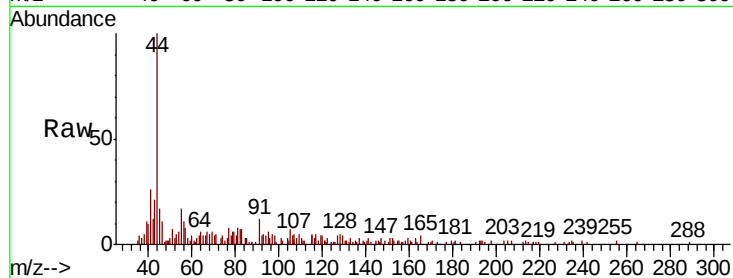
BU-02-112918

Tot Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 200.3 57.8 86.6#



#18

Methyl Acetate

Concen: 0.719 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX006272.D

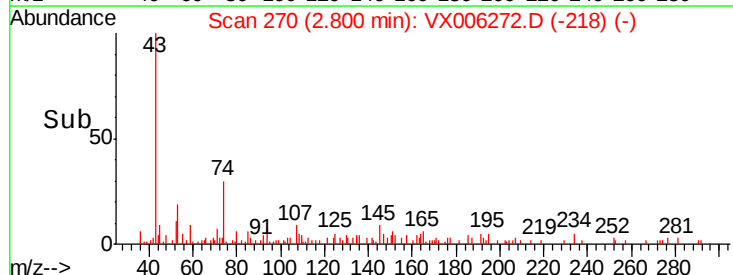
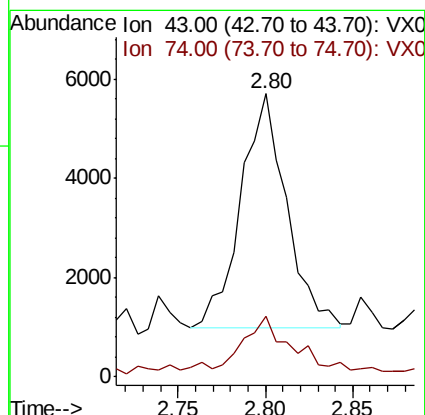
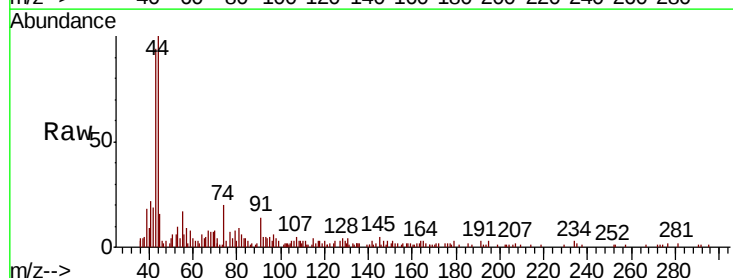
Acq: 04 Dec 2018 12:29

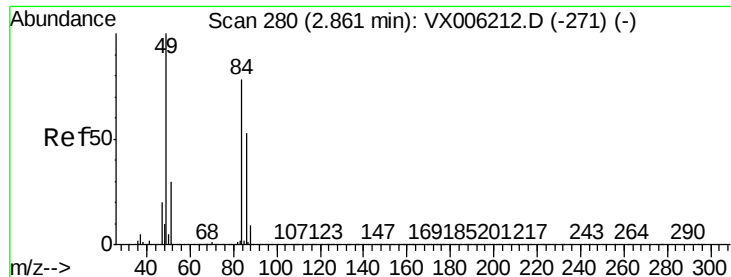
Tgt Ion: 43 Resp: 8660

Ion Ratio Lower Upper

43 100

74 25.5 17.9 26.9

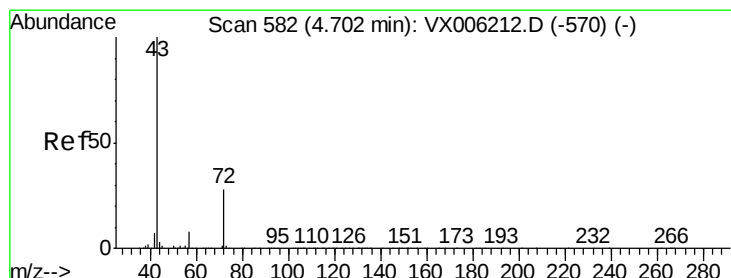
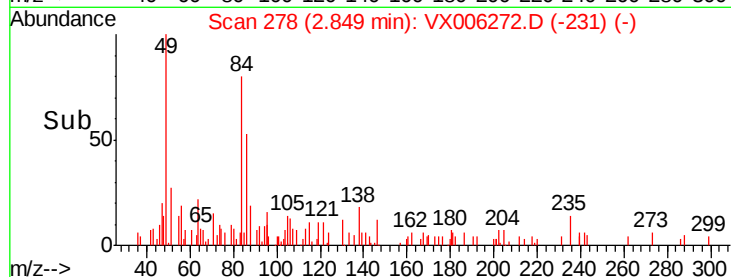
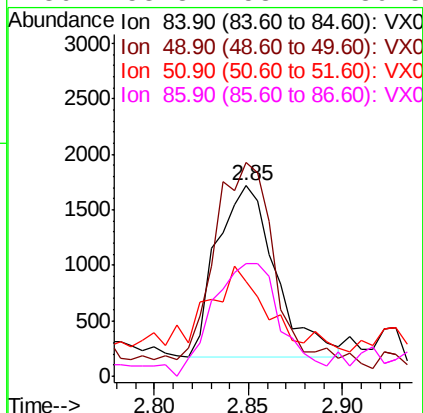
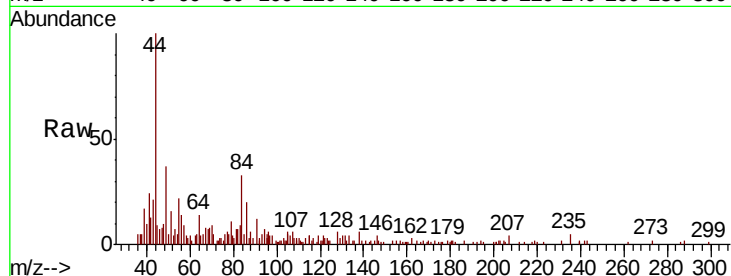




#20
Methvlene Chloride
Concen: 0.440 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX006272.D
Acq: 04 Dec 2018 12:29

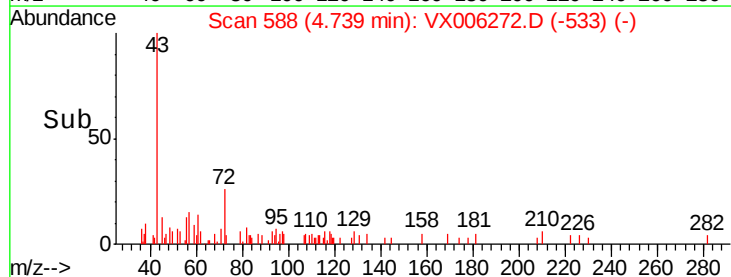
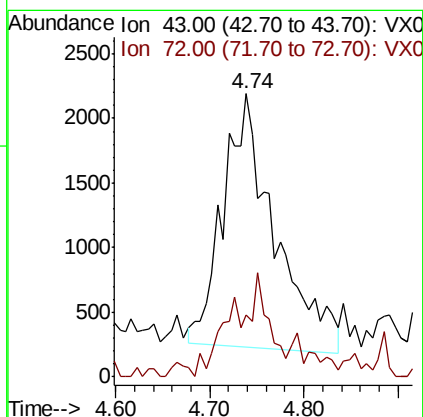
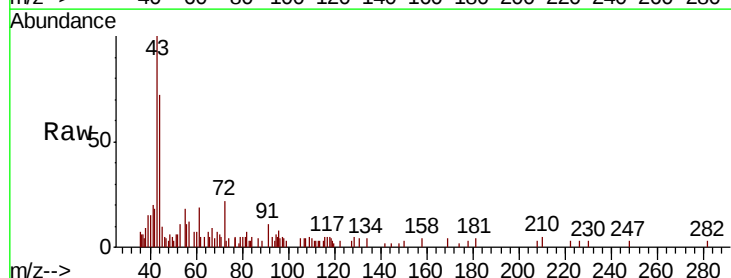
Instrument :
MSVOA_X
ClientSampleId :
BU-02-112918

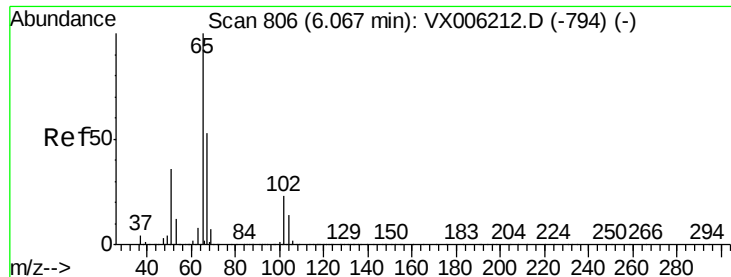
Tot Ion:	84	Resp:	3371
Ion	Ratio	Lower	Upper
84	100		
49	121.0	102.2	153.4
51	40.9	31.1	46.7
86	58.8	53.7	80.5



#25
2-Butanone
Concen: 1.457 ug/l
RT: 4.74 min Scan# 588
Delta R.T. 0.04 min
Lab File: VX006272.D
Acq: 04 Dec 2018 12:29

Tgt Ion:	43	Resp:	7483
Ion	Ratio	Lower	Upper
43	100		
72	23.3	22.6	33.8





#33

1,2-Dichloroethane-d4

Concen: 47.647 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

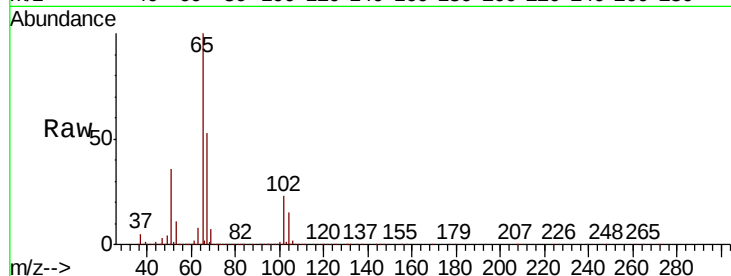
BU-02-112918

Tot Ion: 65 Resp: 365504

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

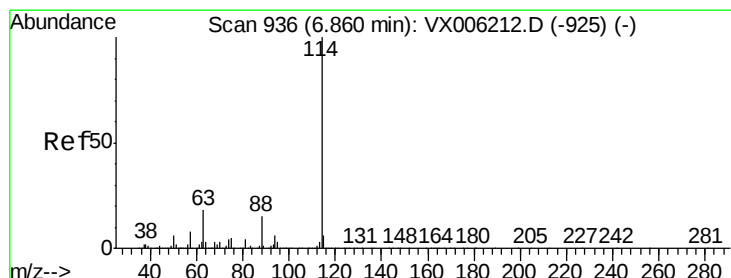
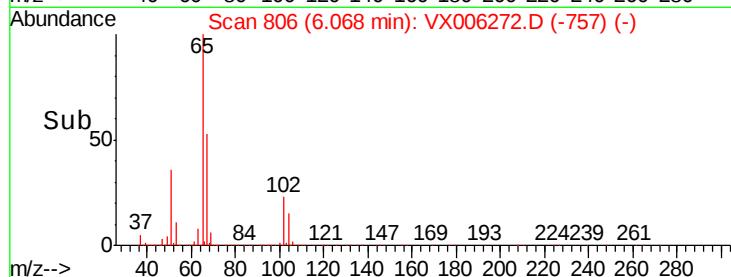
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

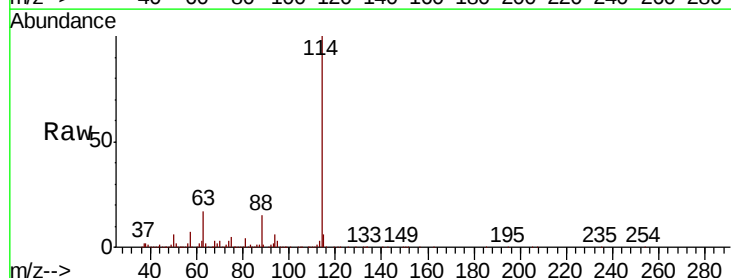
Tgt Ion: 114 Resp: 1124222

Ion Ratio Lower Upper

114 100

63 16.7 0.0 36.6

88 15.0 0.0 29.0



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

6.86

600000

500000

400000

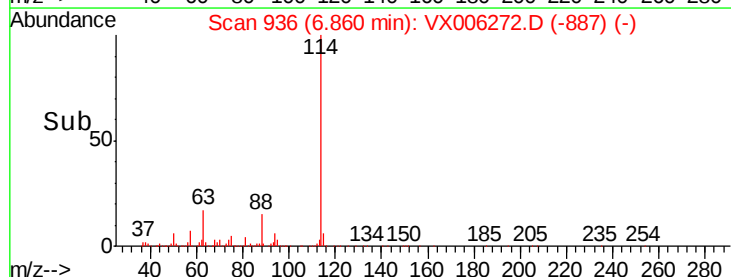
300000

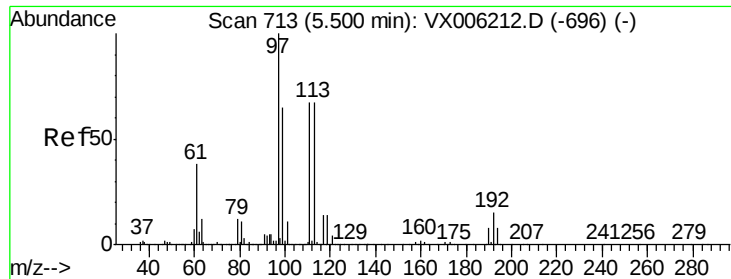
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.826 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

BU-02-112918

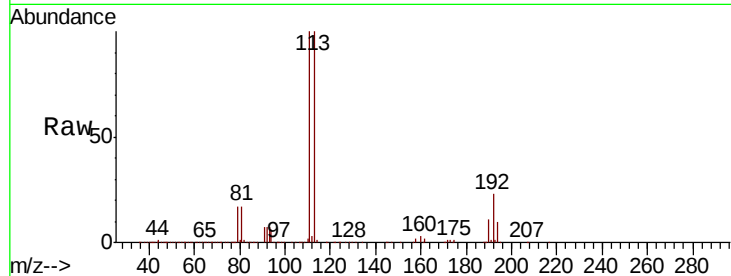
Tot Ion:113 Resp: 348123

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

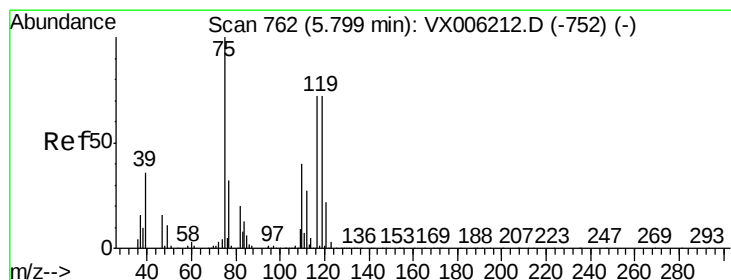
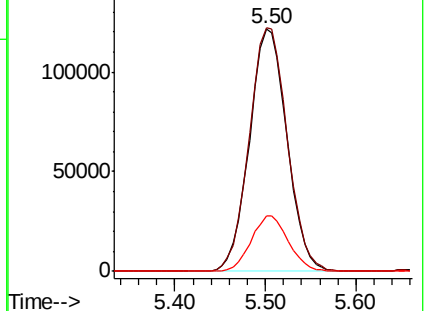
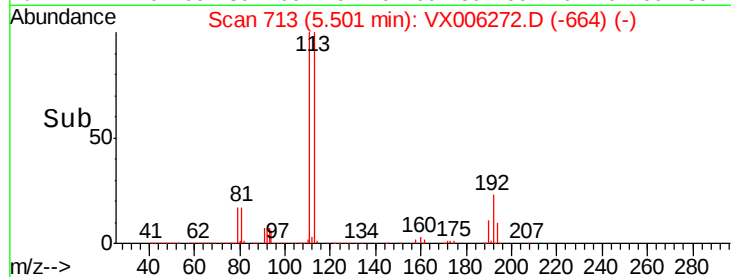
192 22.7 18.2 27.2



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: 4.880 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

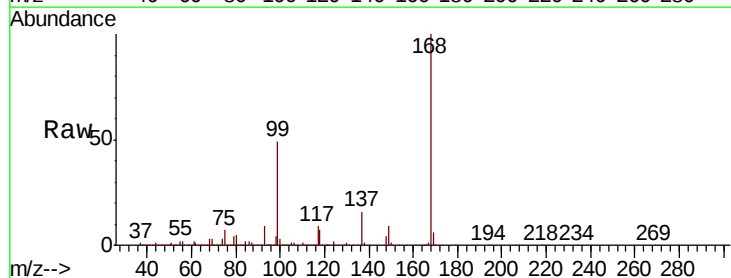
Tgt Ion: 75 Resp: 46195

Ion Ratio Lower Upper

75 100

110 10.4 20.4 61.3#

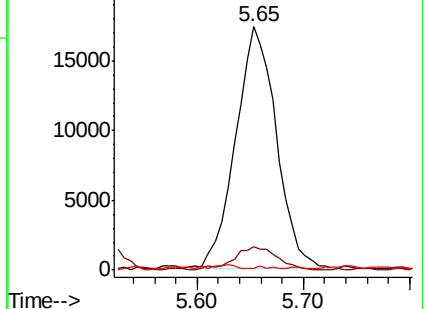
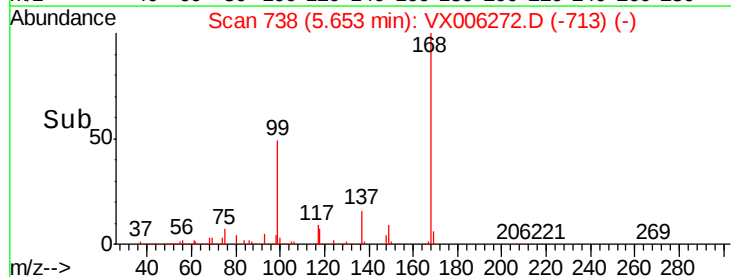
77 0.5 24.9 37.3#

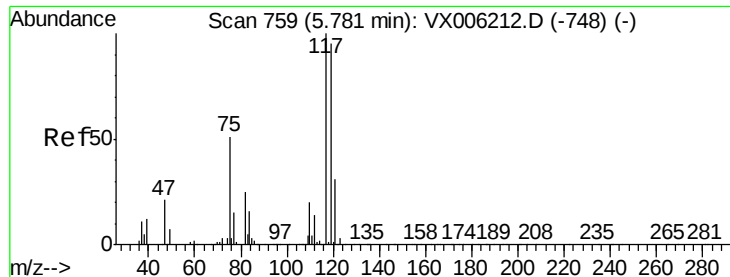


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.930 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

BU-02-112918

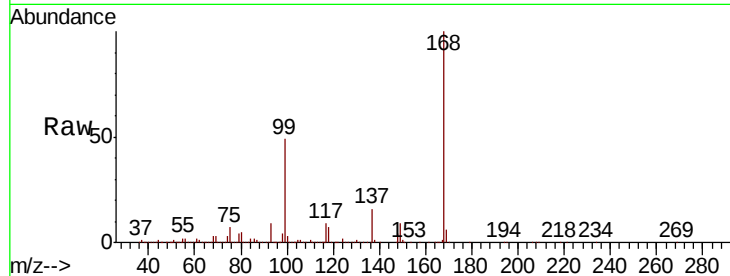
Tot Ion:117 Resp: 66039

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

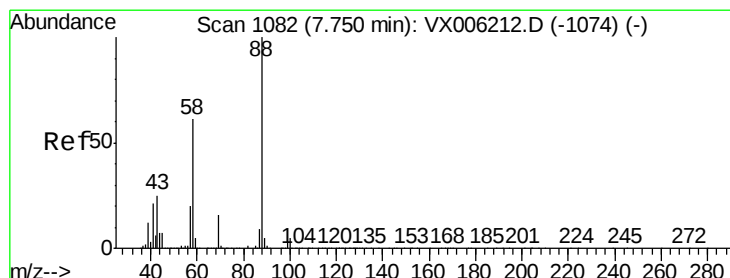
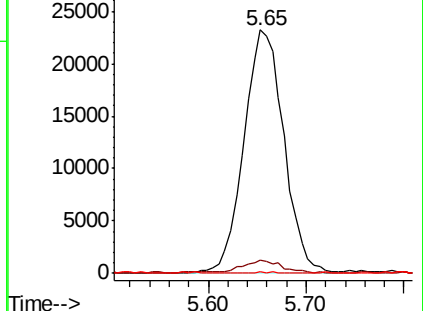
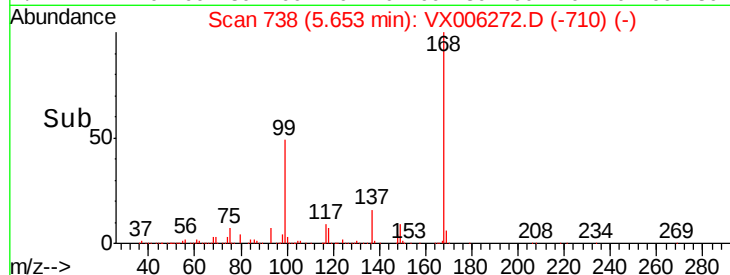
121 0.8 24.6 37.0#



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: 0.797 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

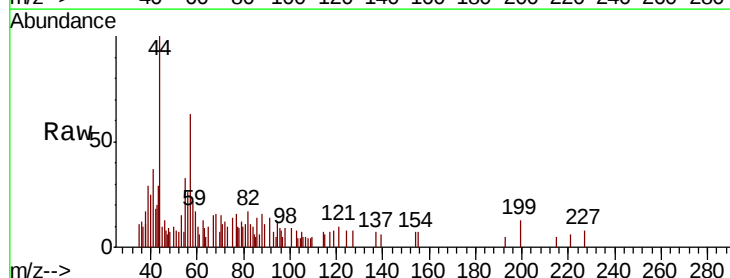
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 91.1 23.2 34.8#

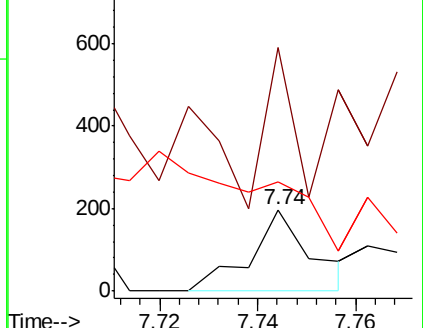
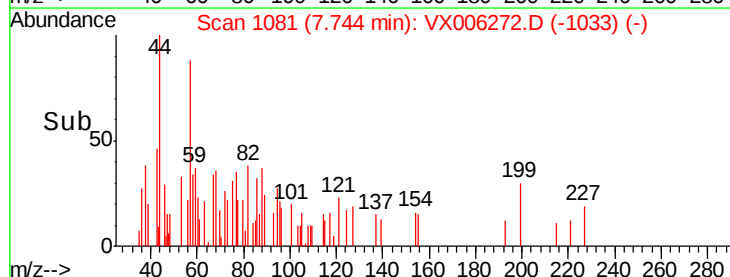
58 0.0 51.4 77.0#

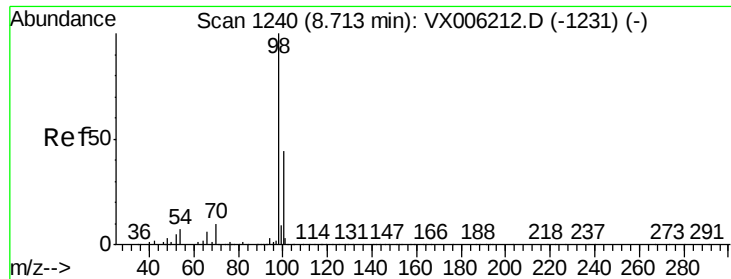


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.360 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

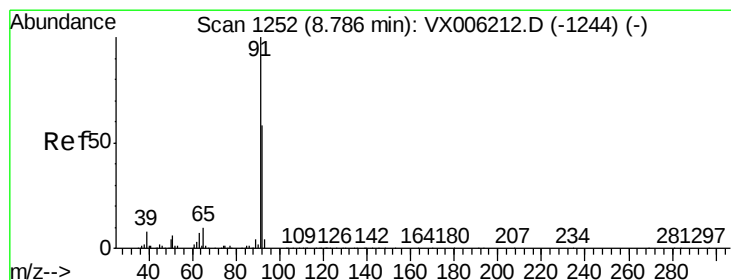
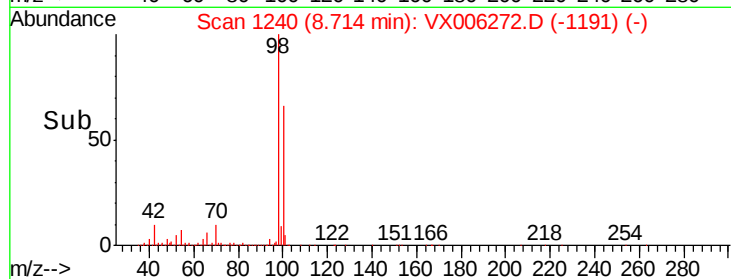
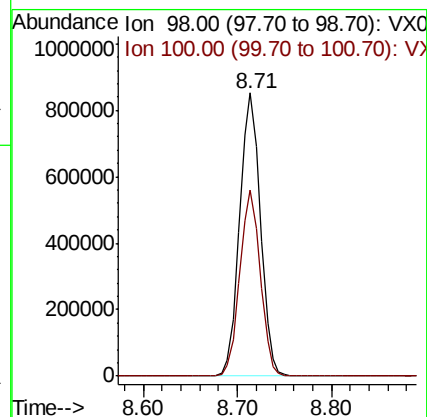
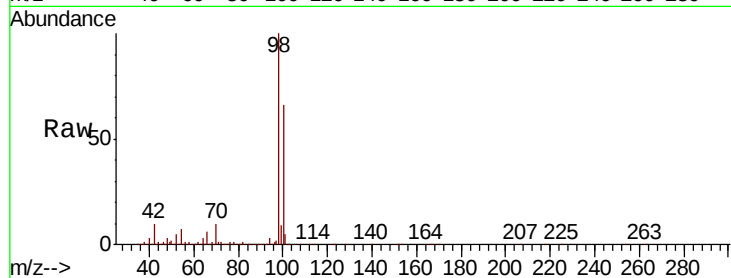
BU-02-112918

Tot Ion: 98 Resp: 1306867

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#52

Toluene

Concen: 0.223 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006272.D

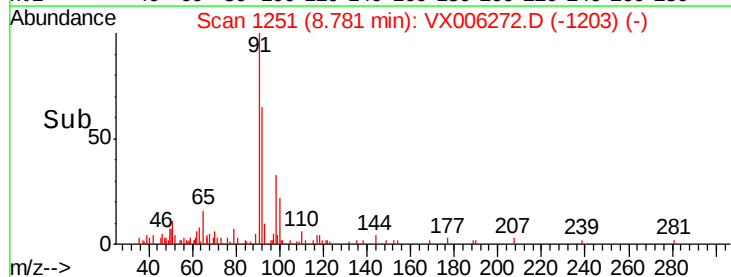
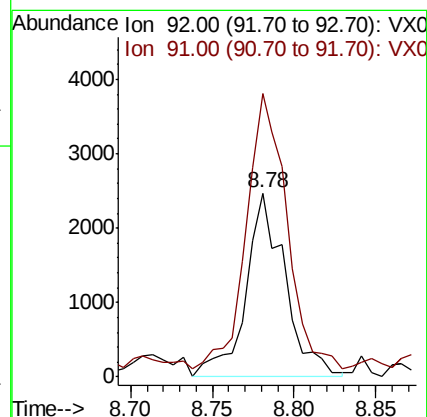
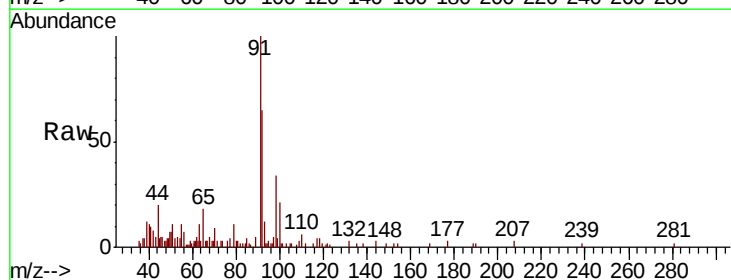
Acq: 04 Dec 2018 12:29

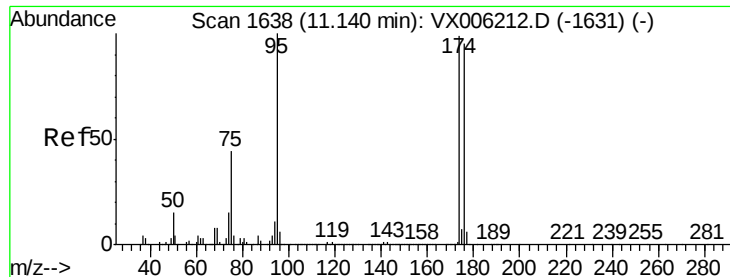
Tgt Ion: 92 Resp: 4153

Ion Ratio Lower Upper

92 100

91 153.6 139.2 208.8





#62

4-Bromofluorobenzene

Concen: 51.184 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

BU-02-112918

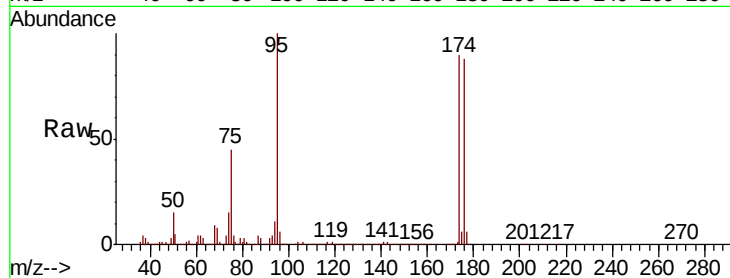
Tot Ion: 95 Resp: 510664

Ion Ratio Lower Upper

95 100

174 88.7 0.0 187.0

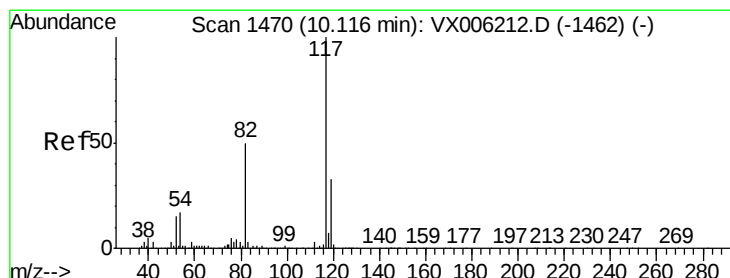
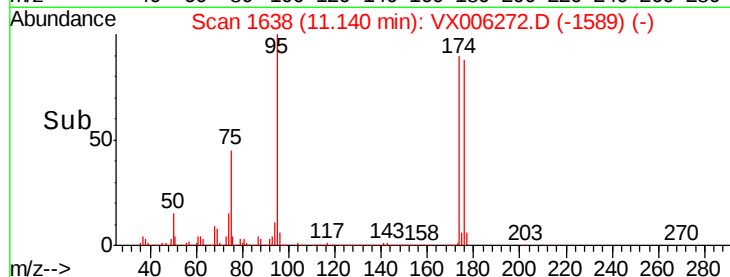
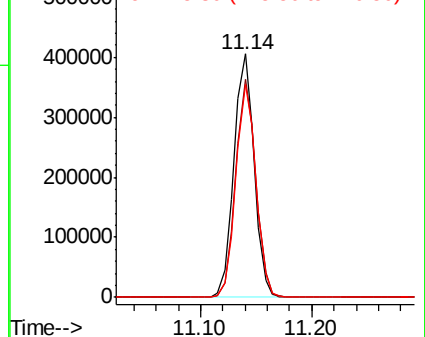
176 87.1 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

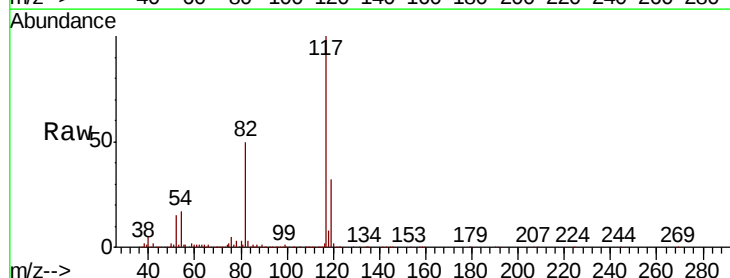
Tgt Ion: 117 Resp: 1023506

Ion Ratio Lower Upper

117 100

82 49.5 39.6 59.4

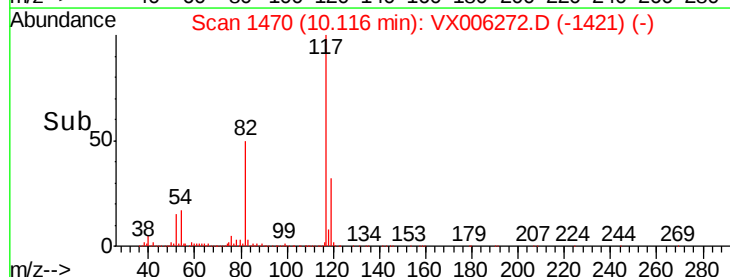
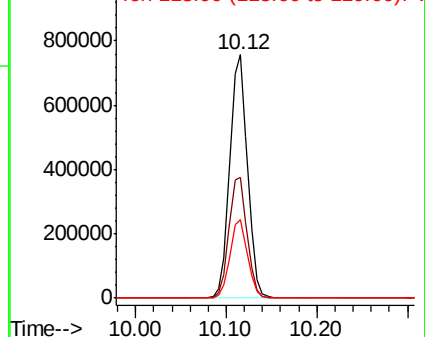
119 32.4 26.3 39.5

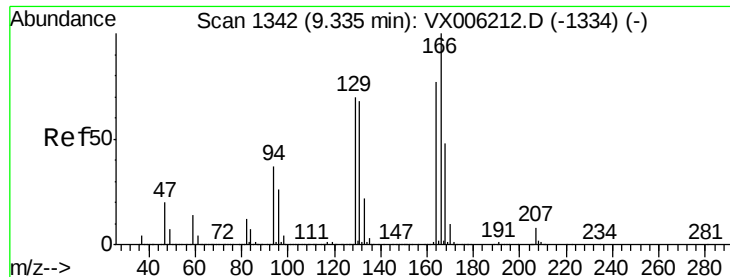


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.281 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

BU-02-112918

Tot Ion:164 Resp: 2169

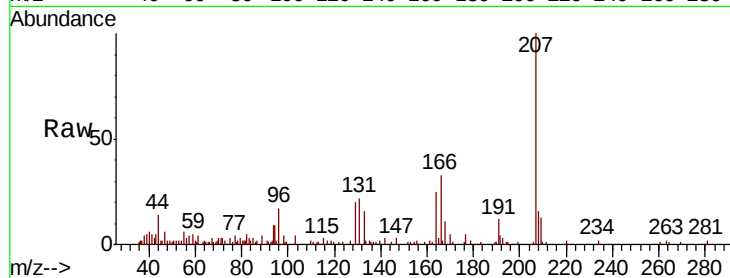
Ion Ratio Lower Upper

164 100

166 133.1 104.2 156.2

129 80.1 72.6 108.8

131 87.1 70.3 105.5

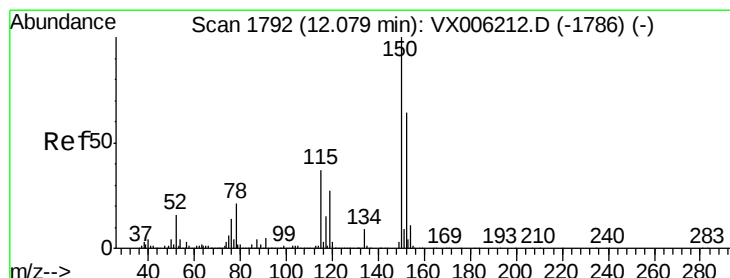
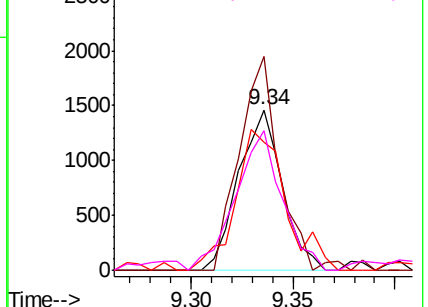
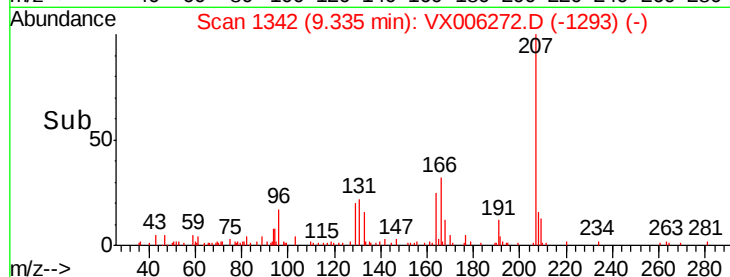


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX006272.D

Acq: 04 Dec 2018 12:29

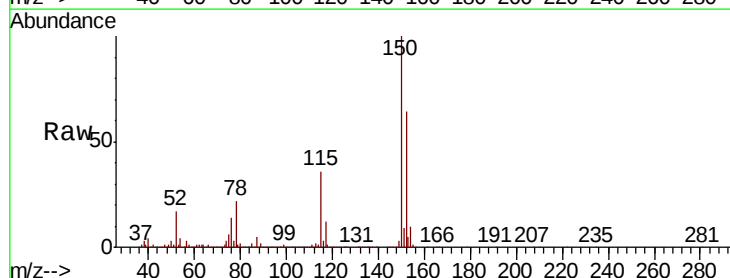
Tgt Ion:152 Resp: 555284

Ion Ratio Lower Upper

152 100

115 55.7 39.0 116.9

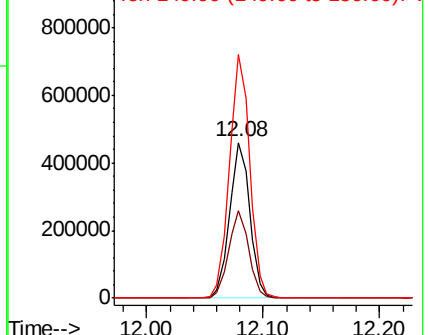
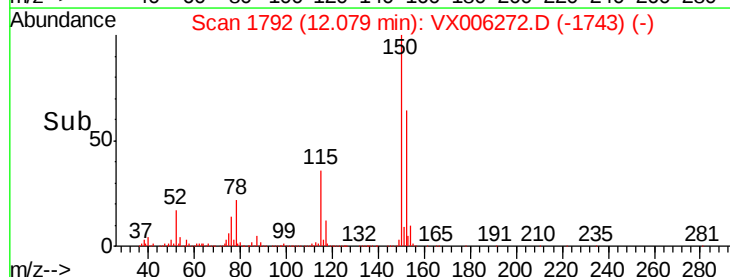
150 157.5 0.0 345.8

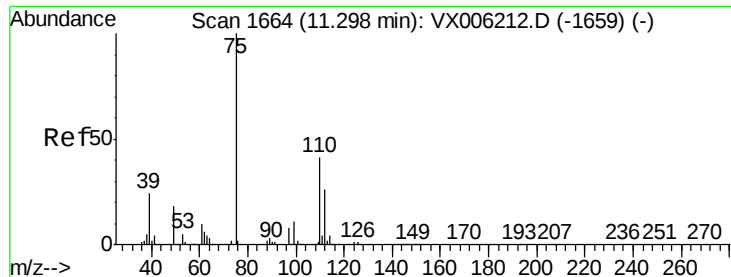


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.538 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Instrument :

MSVOA_X

ClientSampleId :

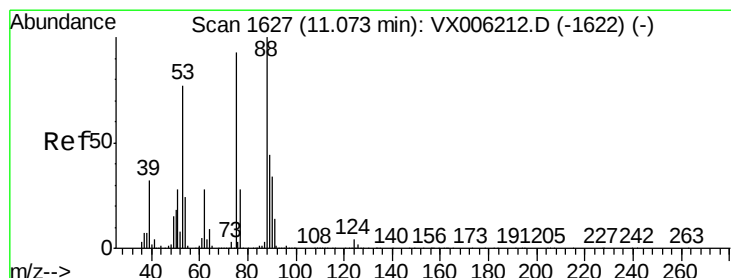
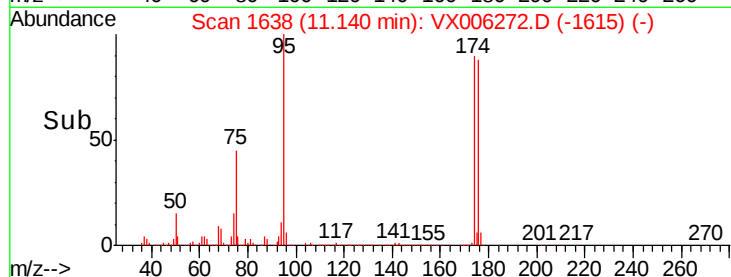
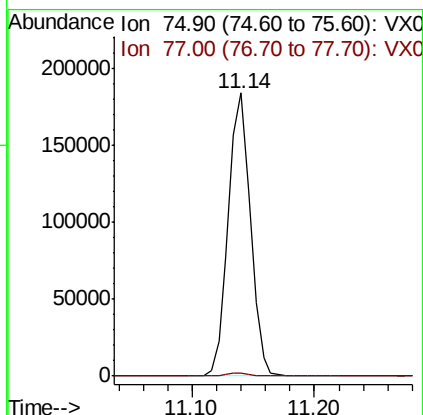
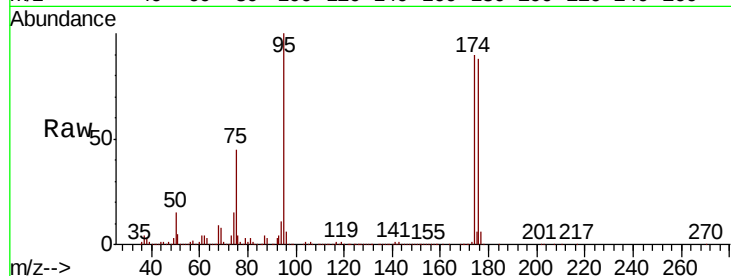
BU-02-112918

Tot Ion: 75 Resp: 230841

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.544 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX006272.D

Acq: 04 Dec 2018 12:29

Tgt Ion: 75 Resp: 230841

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

