

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004740.D
 Acq On : 26 Sep 2018 23:17
 Operator : JC/MD
 Sample : VX0926WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL02

Quant Time: Sep 27 05:17:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

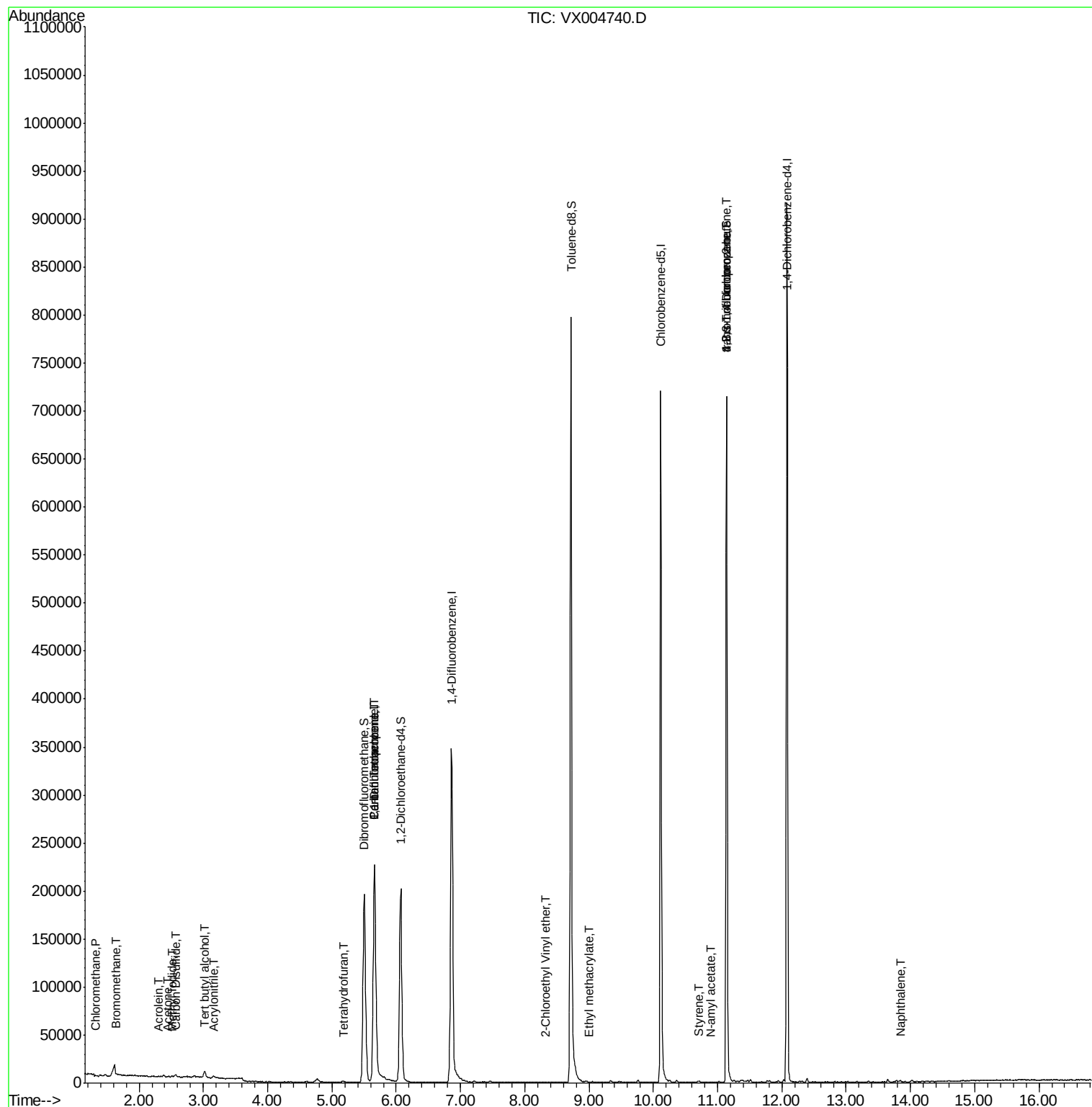
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	235675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192068	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	195178	57.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.94%	
35) Dibromofluoromethane	5.51	113	161654	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
50) Toluene-d8	8.72	98	519216	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.14	95	182933	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	798	0.205	ug/l	97
5) Bromomethane	1.64	94	519	0.239	ug/l	95
6) Chloroethane	1.62	64	381	Below Cal	#	65
10) Methyl Iodide	2.51	142	757	0.219	ug/l #	85
11) Tert butyl alcohol	3.03	59	4654	4.944	ug/l #	74
13) Acrolein	2.30	56	301	0.449	ug/l #	64
15) Acrylonitrile	3.15	53	526	0.254	ug/l #	43
16) Acetone	2.45	43	902	0.459	ug/l #	51
17) Carbon Disulfide	2.57	76	2621	0.342	ug/l	97
20) Methylene Chloride	2.86	84	759	Below Cal	#	91
29) Tetrahydrofuran	5.18	42	373	0.207	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	17527	4.042	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21308	4.674	ug/l #	17
56) Ethyl methacrylate	9.00	69	20	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	121	14.283	ug/l #	45
70) Styrene	10.71	104	389	2.180	ug/l #	76
74) N-amyl acetate	10.90	43	302	1.792	ug/l #	47
76) 1,2,3-Trichloropropane	11.14	75	90302	20.976	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	529	Below Cal		97
81) trans-1,4-Dichloro-2-buten	11.14	75	90302	56.924	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	633	Below Cal		98
95) Naphthalene	13.84	128	1131	0.789	ug/l #	92

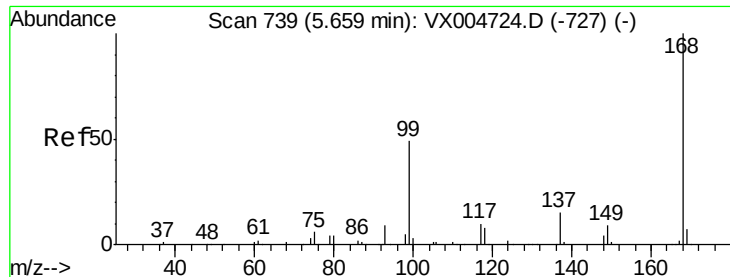
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
VX0926WBL02

Quant Time: Sep 27 05:17:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

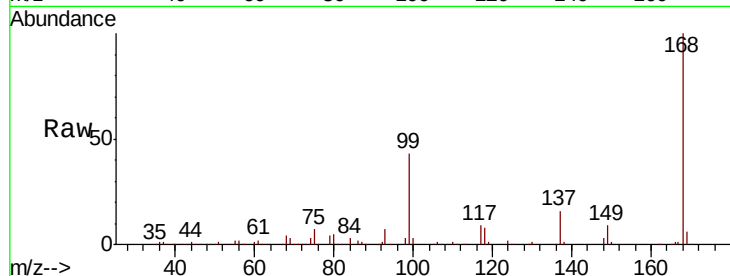
VX0926WBL02

Tot Ion:168 Resp: 235675

Ion Ratio Lower Upper

168 100

99 43.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

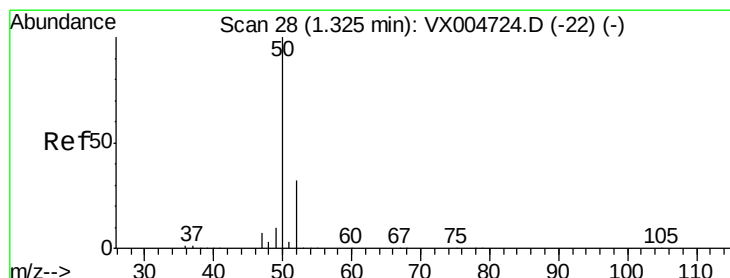
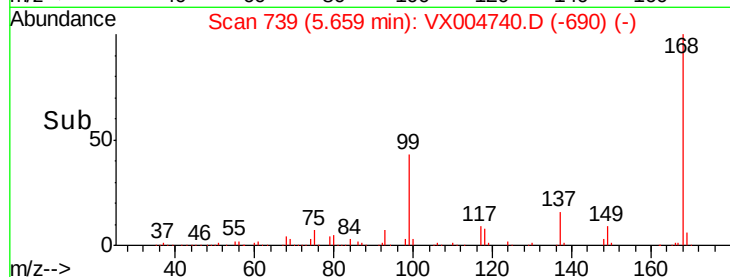
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004740.D

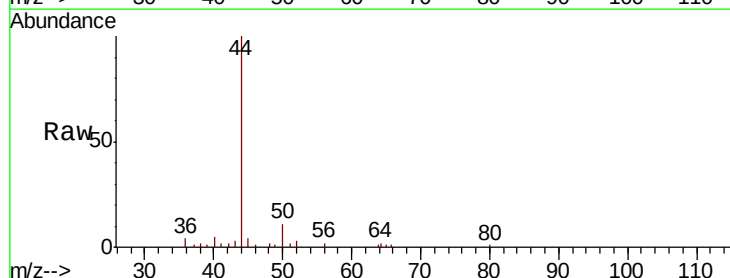
Acq: 26 Sep 2018 23:17

Tgt Ion: 50 Resp: 798

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

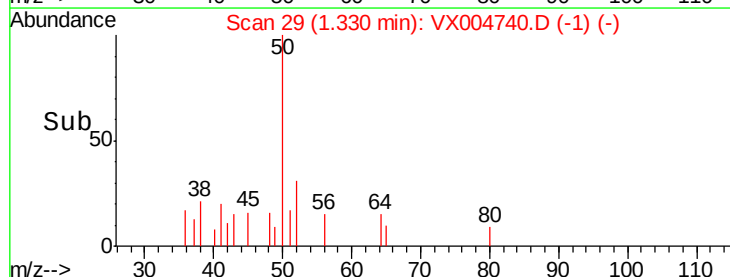
400

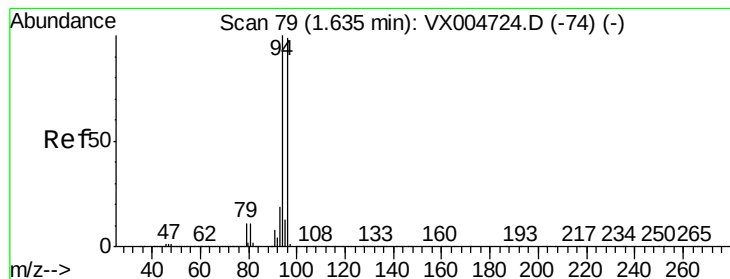
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

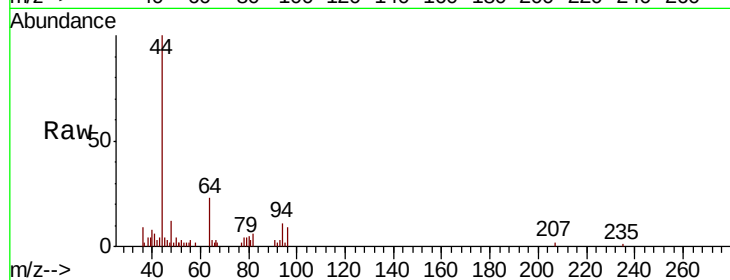
VX0926WBL02

Tot Ion: 94 Resp: 519

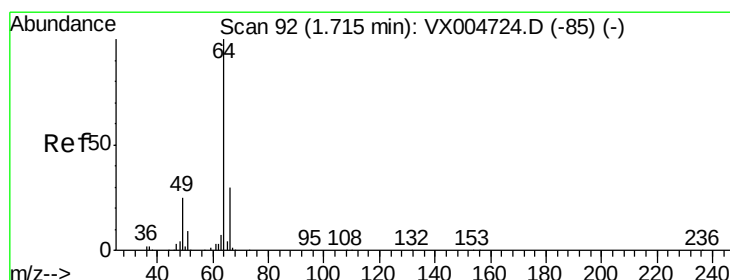
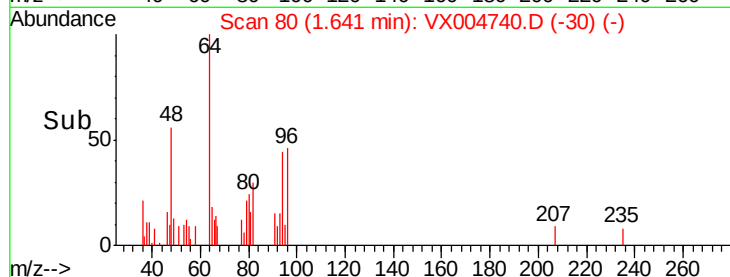
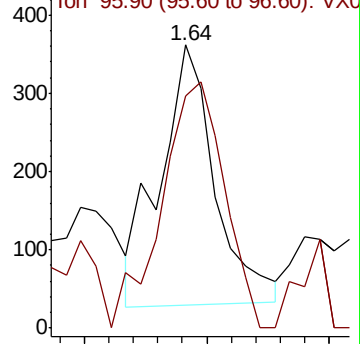
Ion Ratio Lower Upper

94 100

96 98.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX004740.D

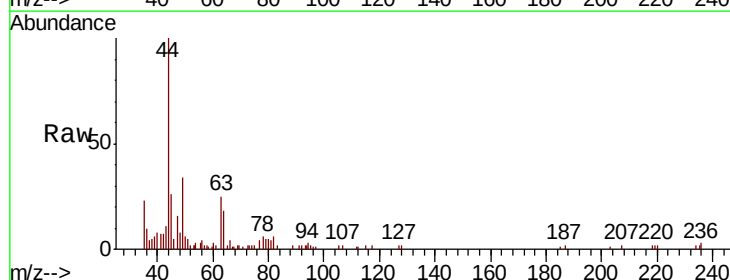
Acq: 26 Sep 2018 23:17

Tgt Ion: 64 Resp: 381

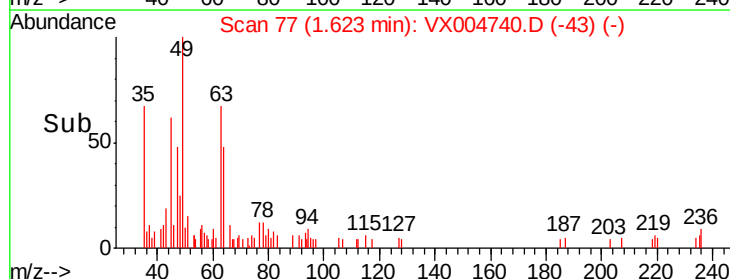
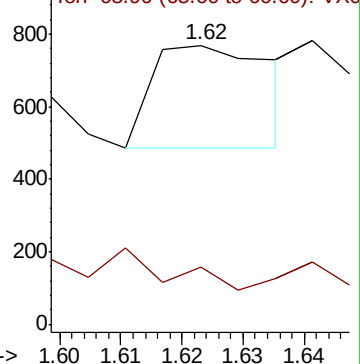
Ion Ratio Lower Upper

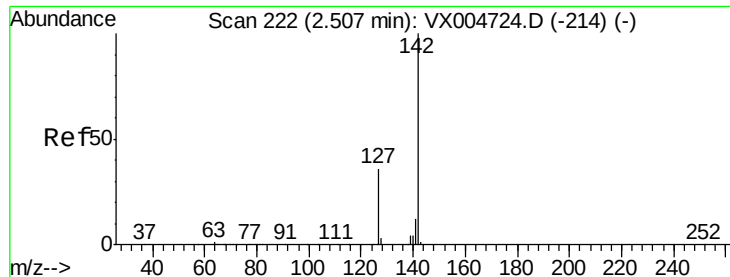
64 100

66 11.3 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

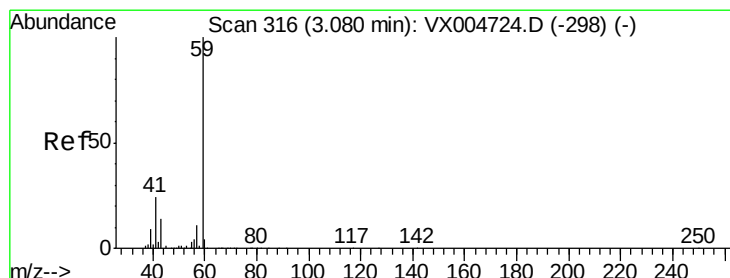
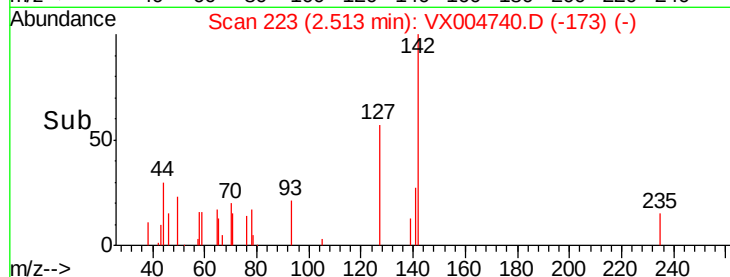
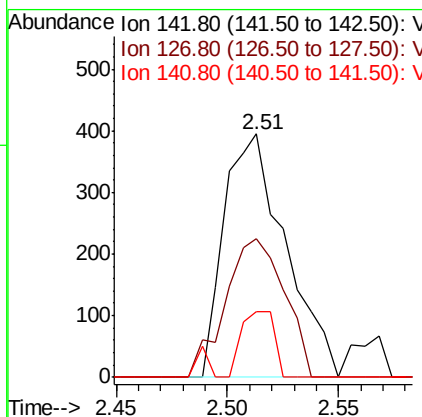
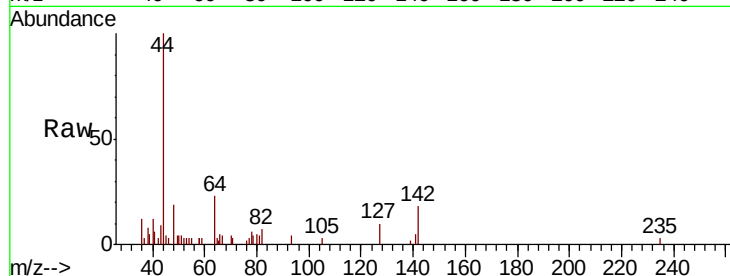




#10
Methvl Iodide
Concen: 0.219 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004740.D
Acq: 26 Sep 2018 23:17

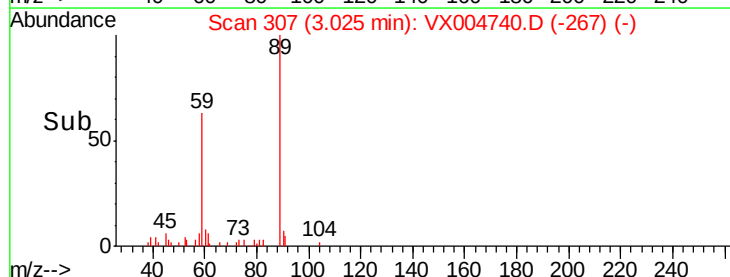
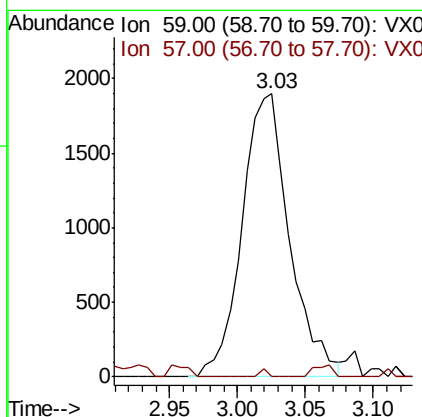
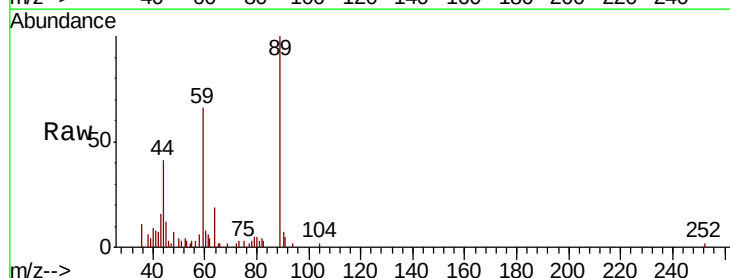
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL02

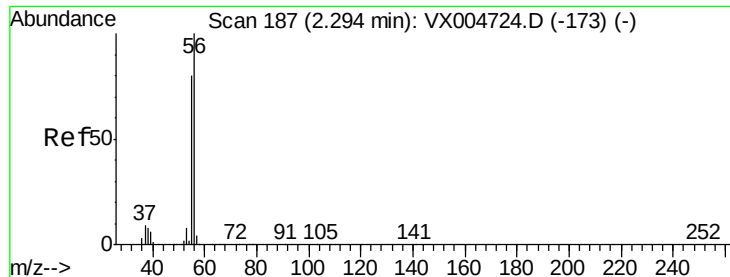
Tot Ion	Ratio	Lower	Upper
142	100		
127	54.7	33.8	50.6#
141	14.7	11.4	17.0



#11
Tert butyl alcohol
Concen: 4.944 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.06 min
Lab File: VX004740.D
Acq: 26 Sep 2018 23:17

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.4	8.2	12.4#





#13

Acrolein

Concen: 0.449 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

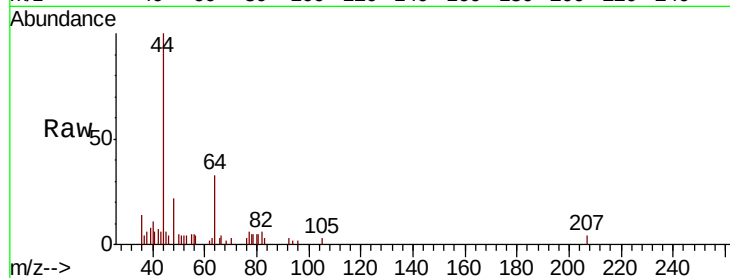
VX0926WBL02

Tot Ion: 56 Resp: 301

Ion Ratio Lower Upper

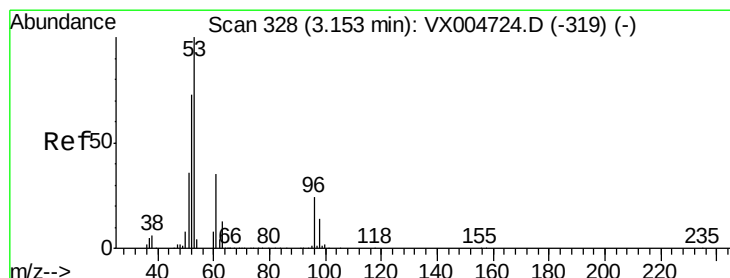
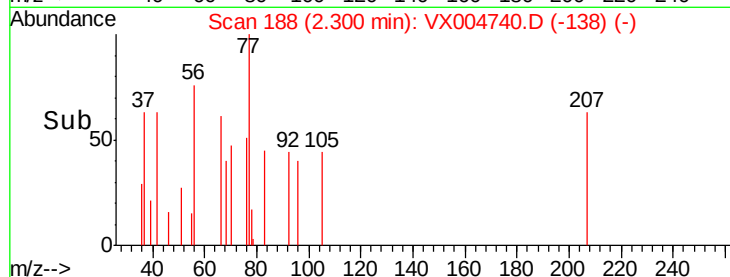
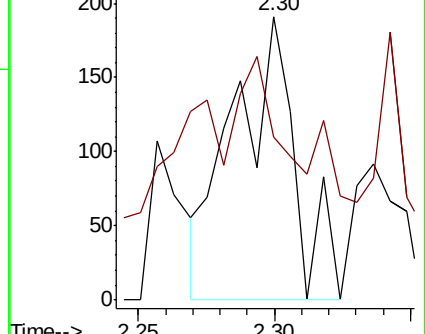
56 100

55 39.5 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.254 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

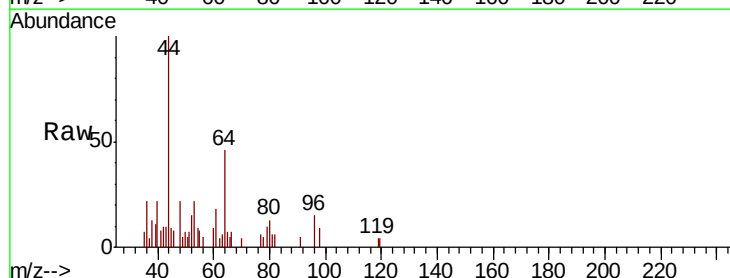
Tgt Ion: 53 Resp: 526

Ion Ratio Lower Upper

53 100

52 112.5 65.2 97.8#

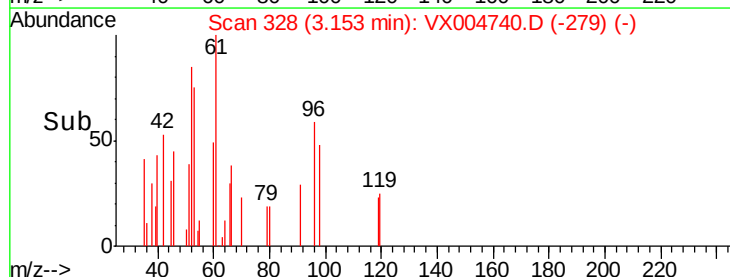
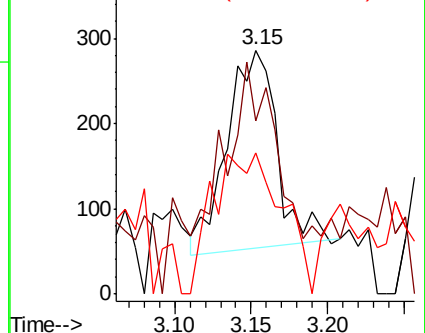
51 98.5 28.2 42.2#

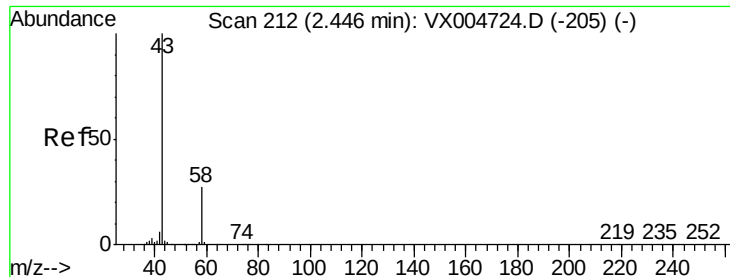


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.459 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

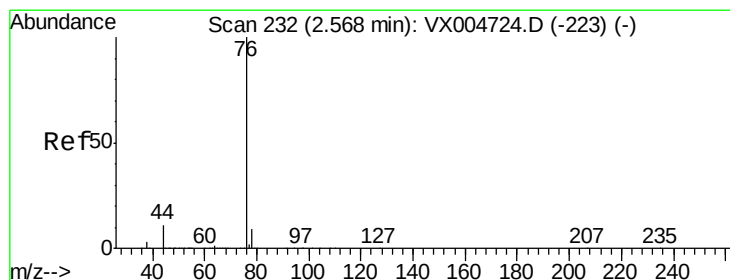
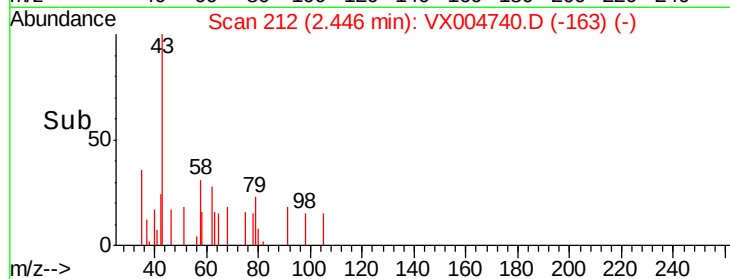
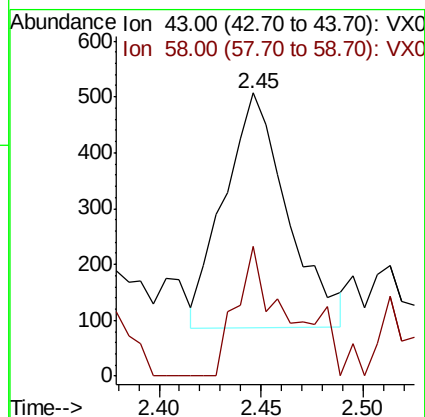
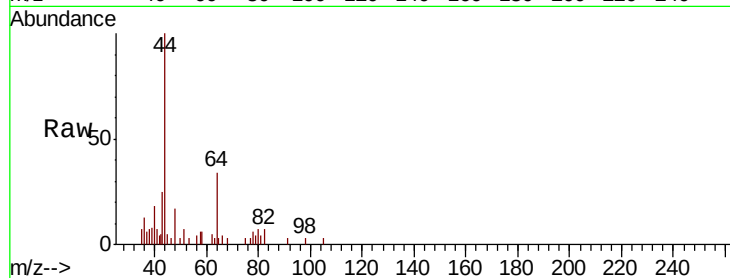
VX0926WBL02

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

58 60.5 26.2 39.4#



#17

Carbon Disulfide

Concen: 0.342 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004740.D

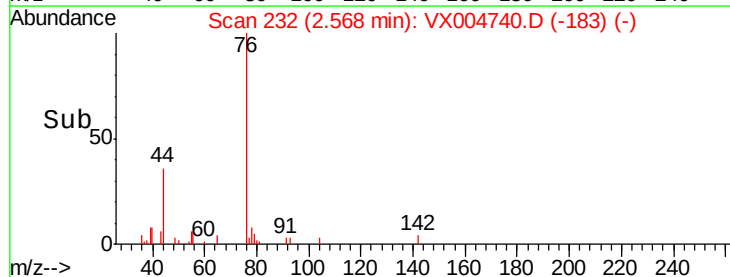
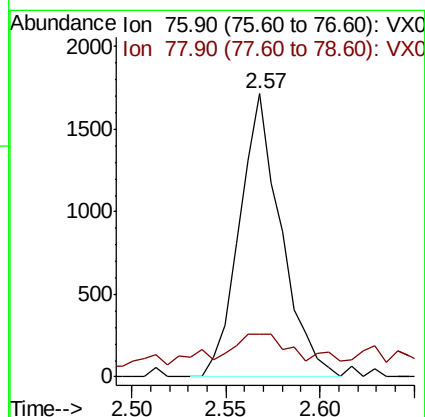
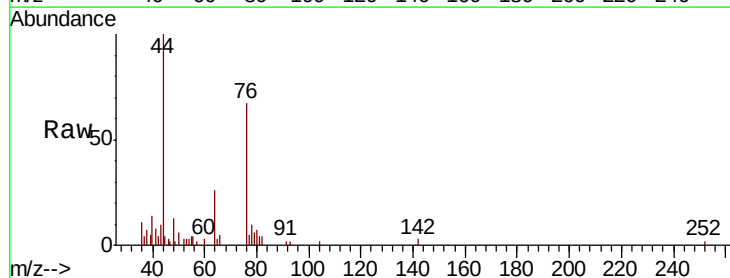
Acq: 26 Sep 2018 23:17

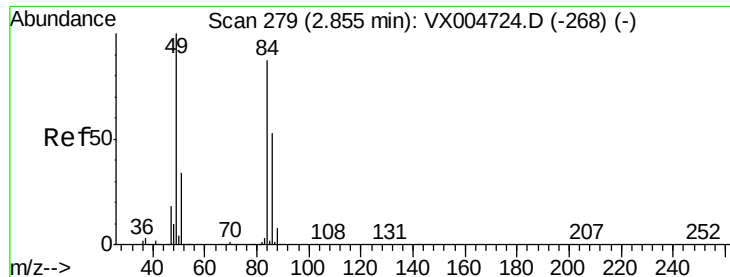
Tgt Ion: 76 Resp: 2621

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL02

Tot Ion: 84 Resp: 759

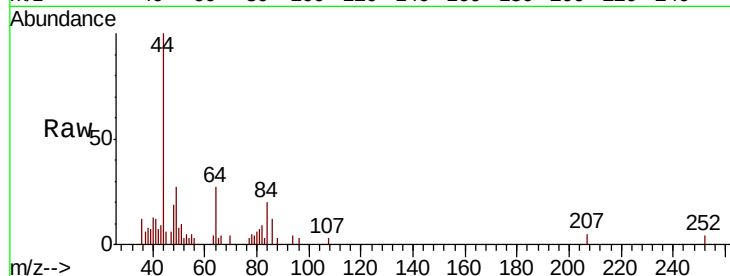
Ion Ratio Lower Upper

84 100

49 136.0 101.2 151.8

51 26.4 29.5 44.3#

86 60.5 52.3 78.5

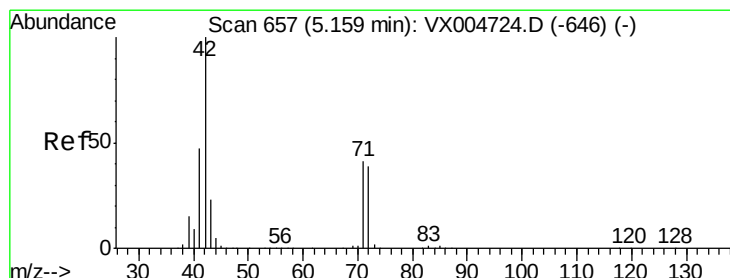
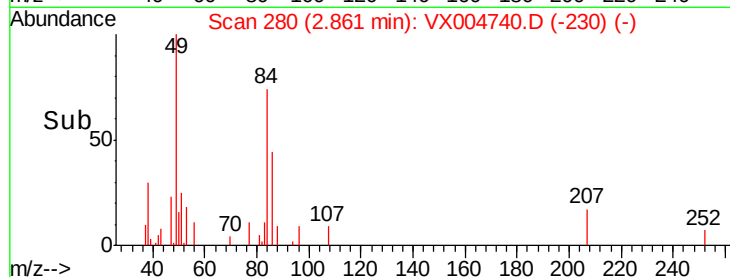
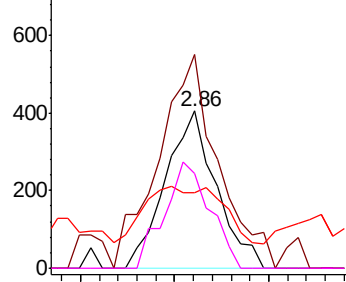


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

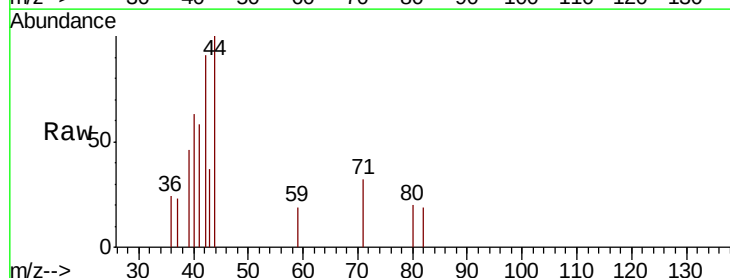
Tgt Ion: 42 Resp: 373

Ion Ratio Lower Upper

42 100

72 30.6 37.4 56.0#

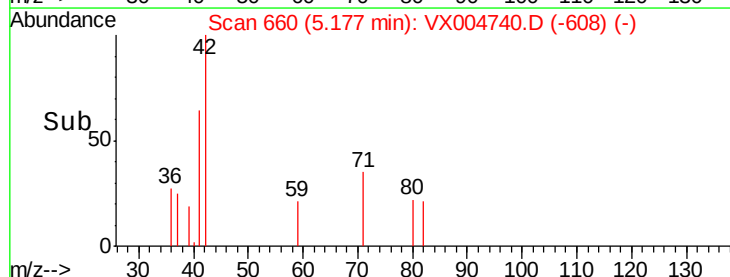
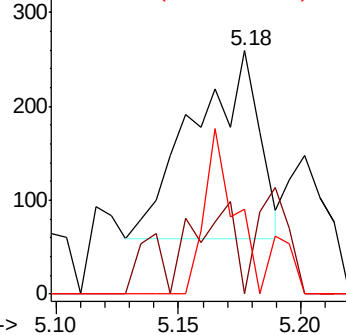
71 40.8 34.5 51.7

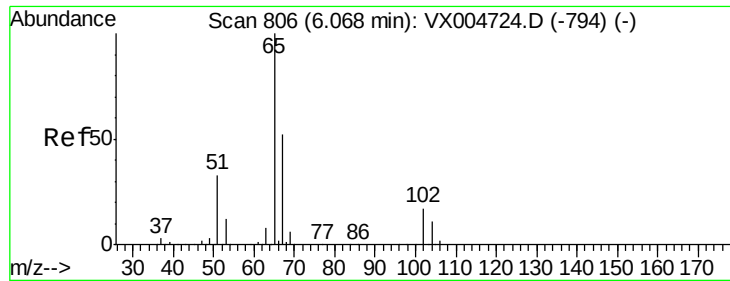


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

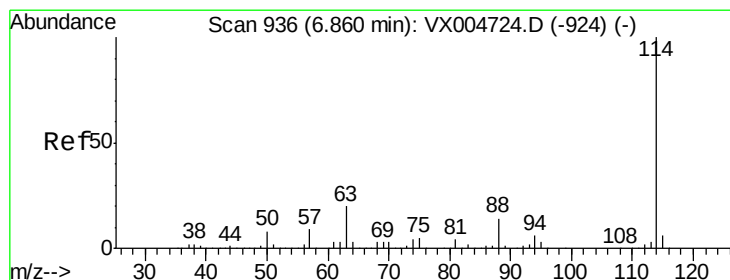
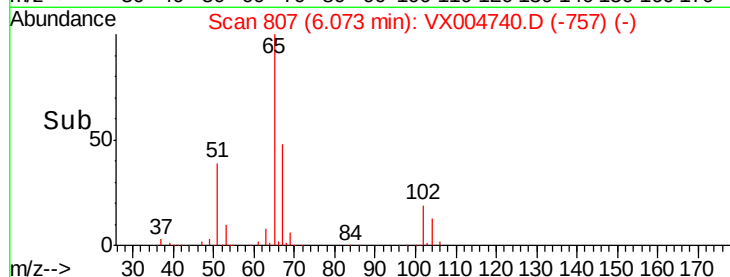
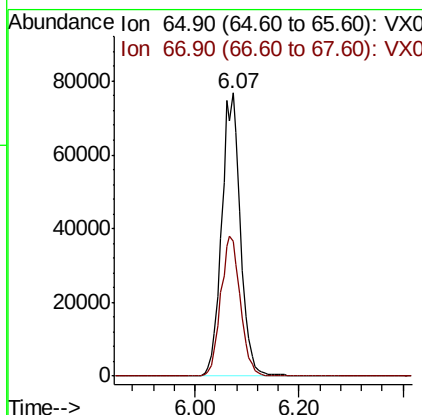
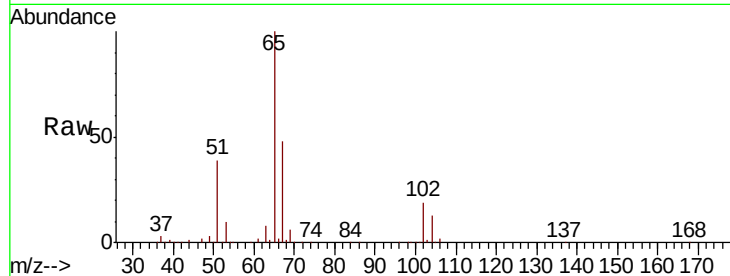




#33
 1,2-Dichloroethane-d4
 Concen: 57.974 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004740.D
 Acq: 26 Sep 2018 23:17

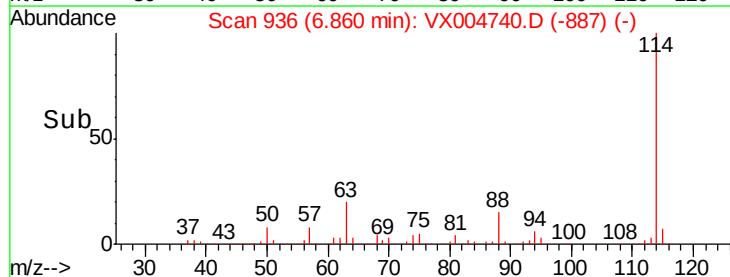
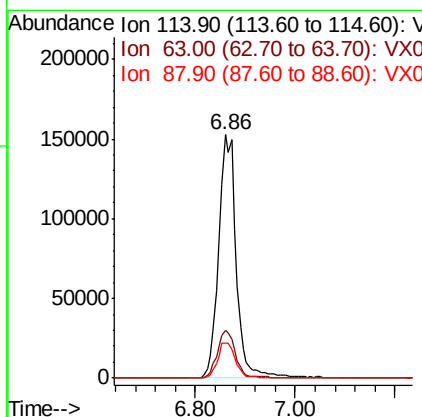
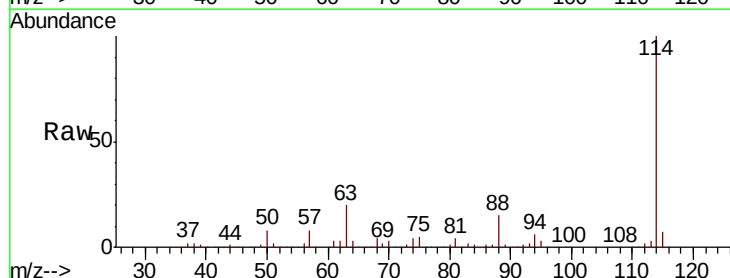
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL02

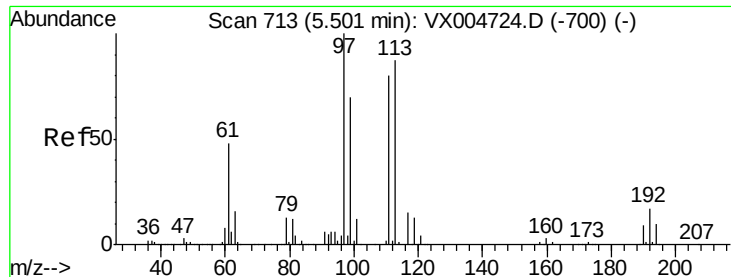
Tot Ion: 65 Resp: 195178
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004740.D
 Acq: 26 Sep 2018 23:17

Tgt Ion: 114 Resp: 375033
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 14.5 0.0 30.4

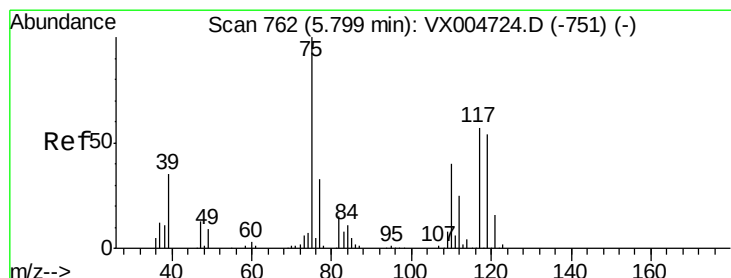
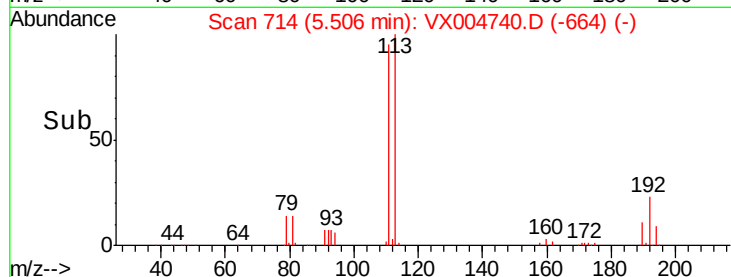
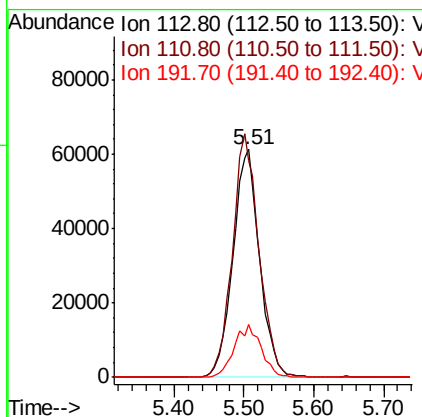
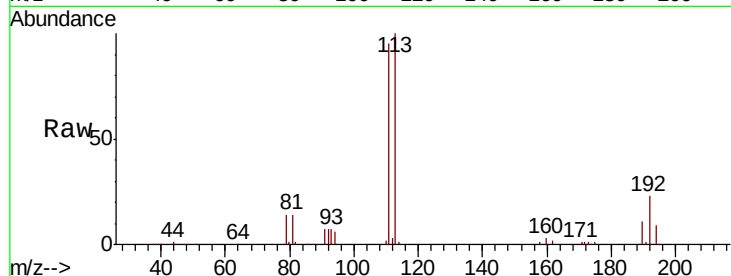




#35
 Dibromofluoromethane
 Concen: 50.859 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004740.D
 Acq: 26 Sep 2018 23:17

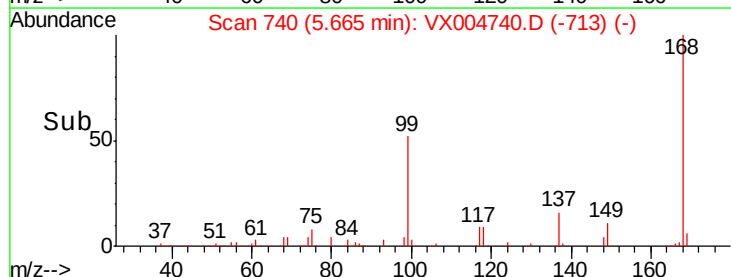
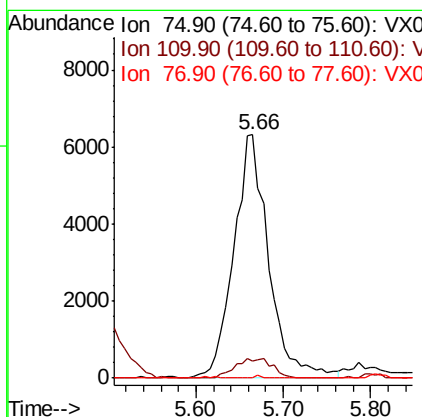
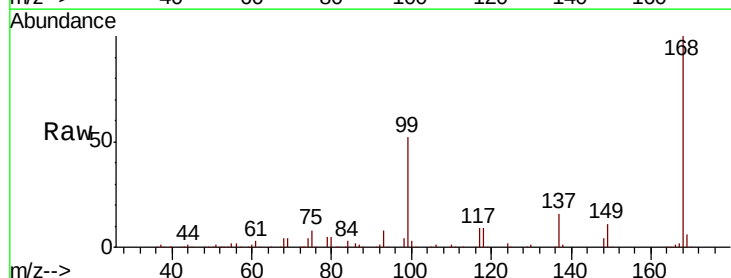
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL02

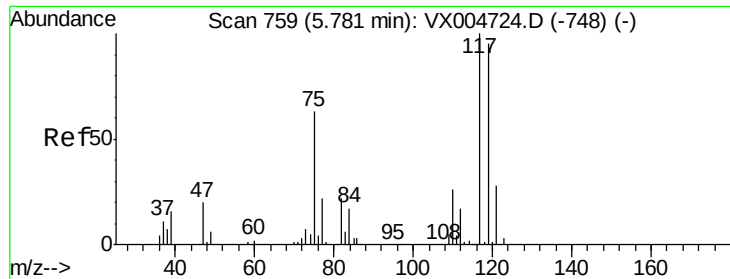
Tot Ion:113 Resp: 161654
 Ion Ratio Lower Upper
 113 100
 111 106.6 82.4 123.6
 192 23.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.042 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004740.D
 Acq: 26 Sep 2018 23:17

Tgt Ion: 75 Resp: 17527
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.0 54.0#
 77 0.1 24.6 36.8#

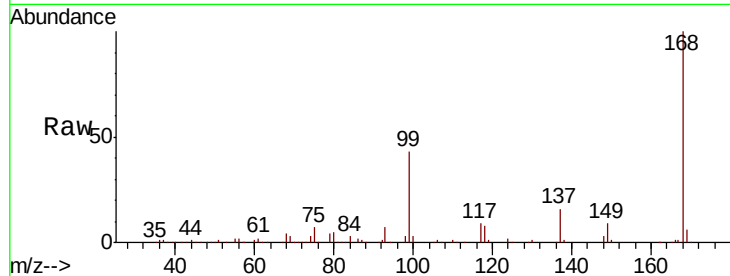




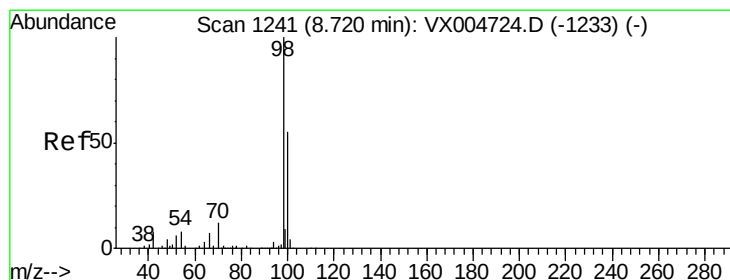
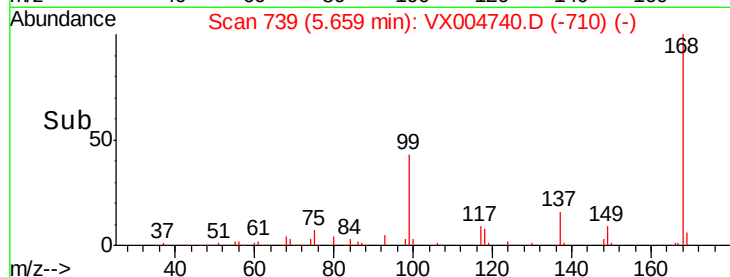
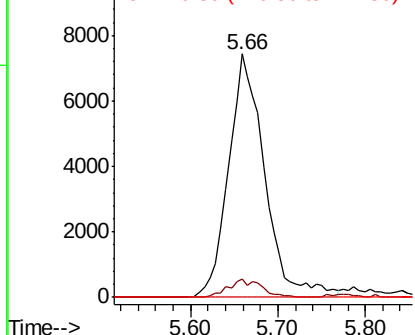
#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX004740.D
Acq: 26 Sep 2018 23:17

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL02

Tot Ion:117 Resp: 21308
Ion Ratio Lower Upper
117 100
119 7.5 78.8 118.2#
121 0.0 24.9 37.3#

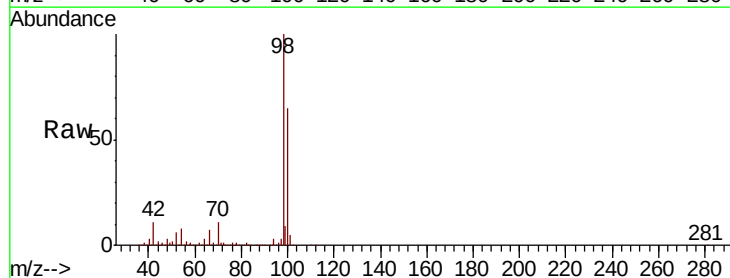


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

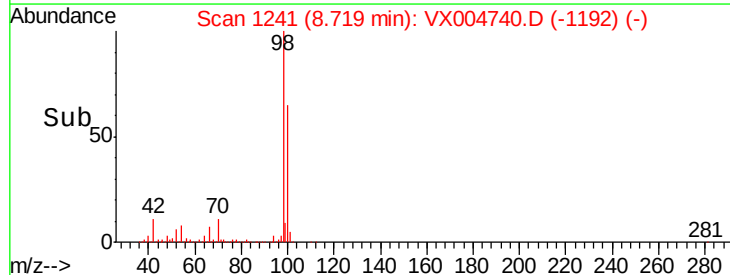
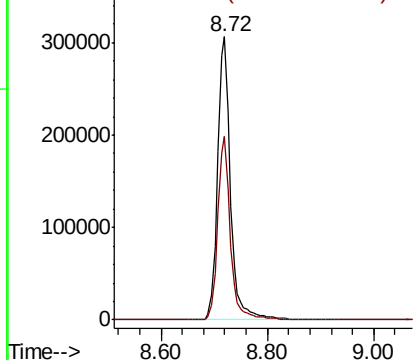


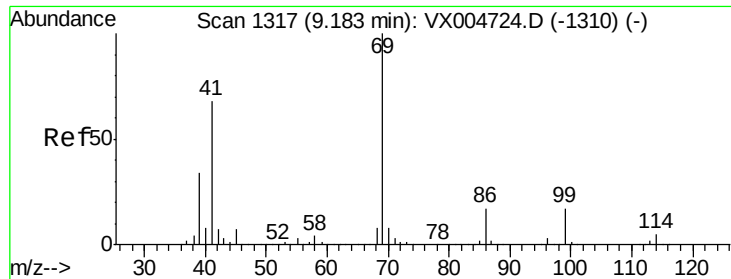
#50
Toluene-d8
Concen: 49.137 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004740.D
Acq: 26 Sep 2018 23:17

Tgt Ion: 98 Resp: 519216
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3



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





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.00 min Scan# 1287

Delta R.T. -0.18 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampled :

VX0926WBL02

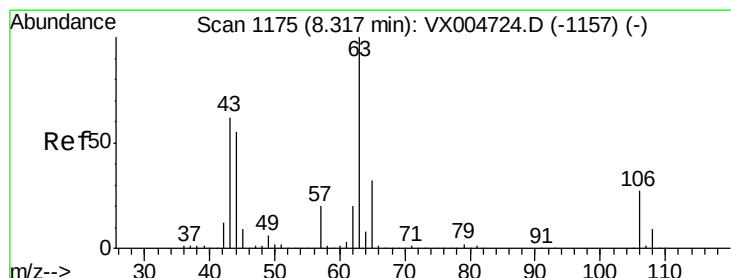
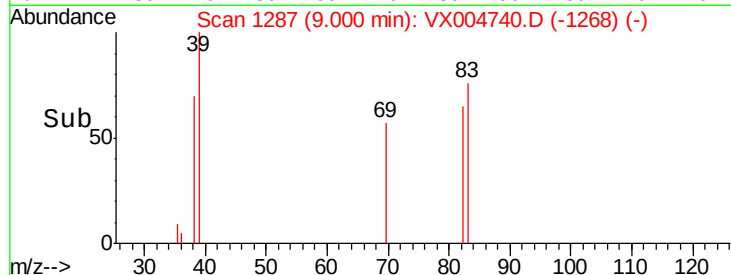
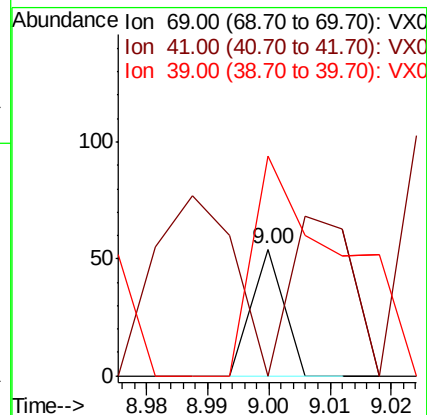
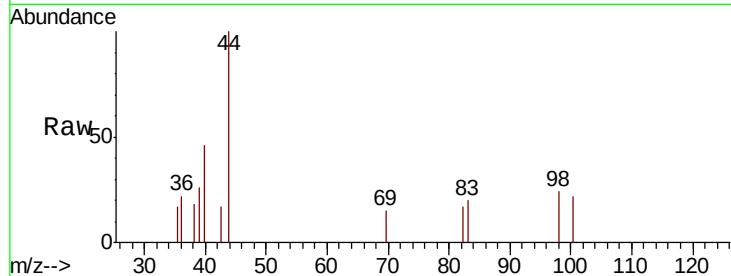
Tot Ion: 69 Resp: 20

Ion Ratio Lower Upper

69 100

41 240.0 51.0 76.4#

39 470.0 26.1 39.1#



#58

2-Chloroethyl Vinyl ether

Concen: 14.283 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004740.D

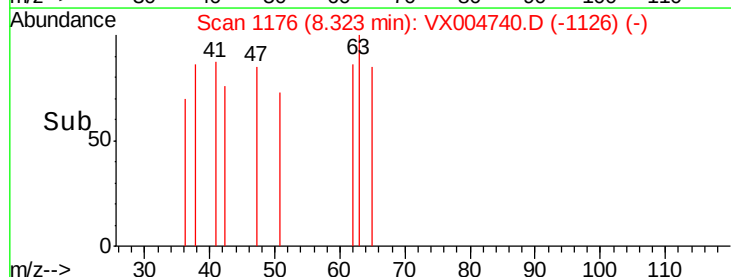
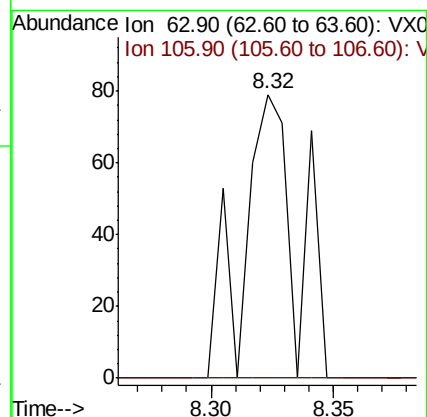
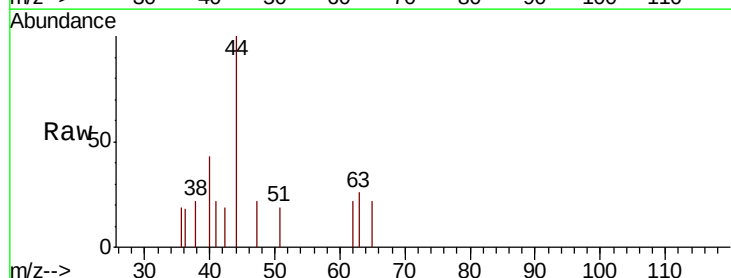
Acq: 26 Sep 2018 23:17

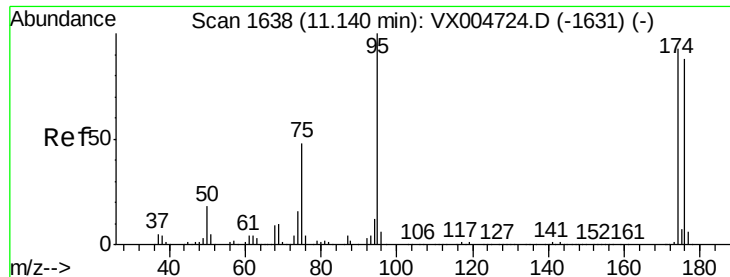
Tgt Ion: 63 Resp: 121

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#





#62

4-Bromofluorobenzene

Concen: 48.055 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL02

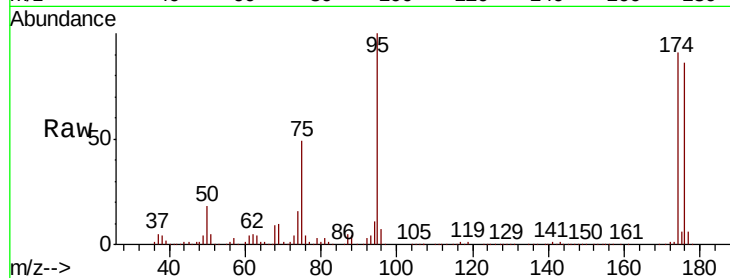
Tot Ion: 95 Resp: 182933

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

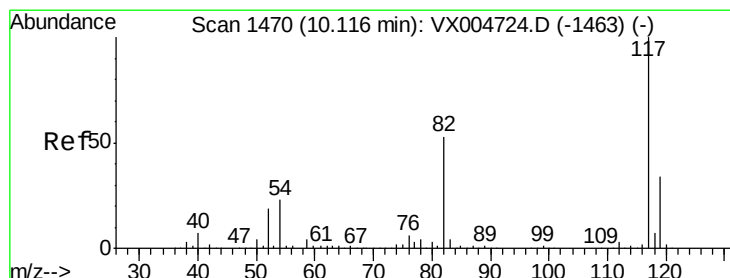
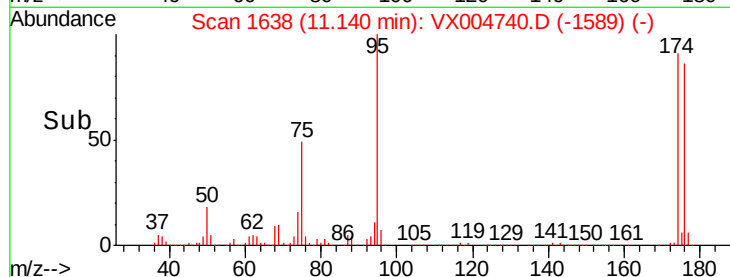
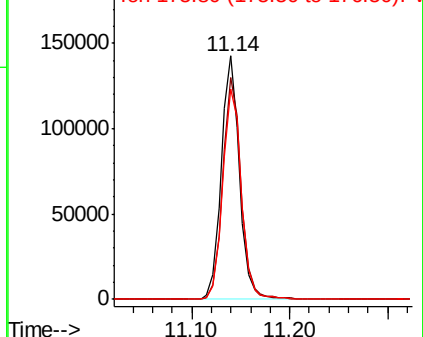
176 88.9 0.0 178.6



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: VX004740.D

Acq: 26 Sep 2018 23:17

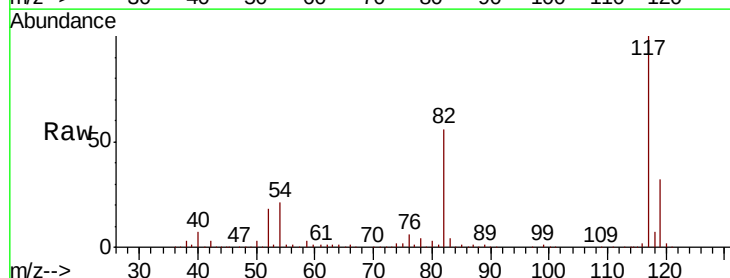
Tgt Ion: 117 Resp: 348674

Ion Ratio Lower Upper

117 100

82 55.9 47.8 71.6

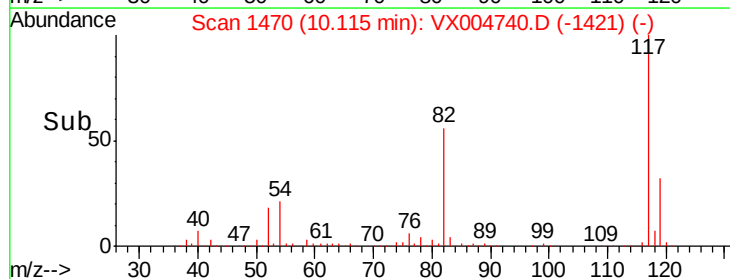
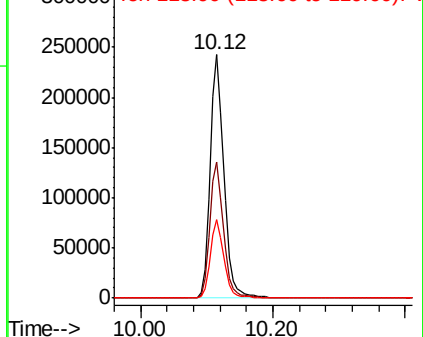
119 32.1 29.3 43.9

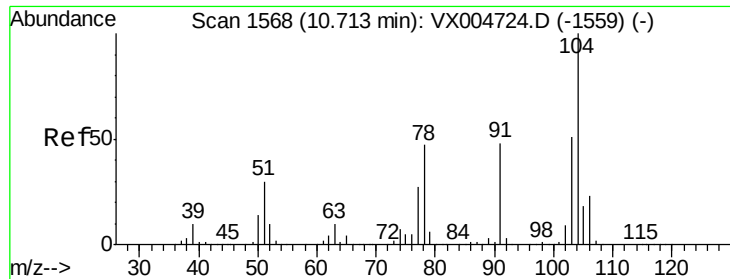


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#70

Stvrene

Concen: 2.180 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL02

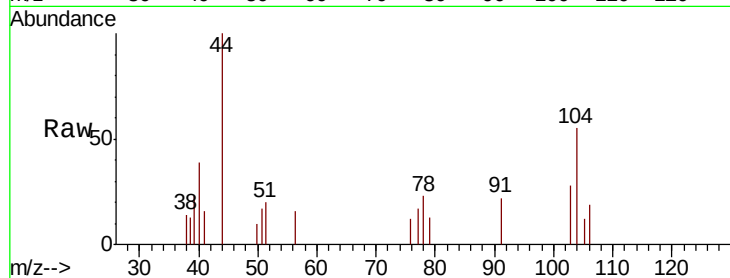
Tot Ion:104 Resp: 389

Ion Ratio Lower Upper

104 100

78 51.9 37.4 56.0

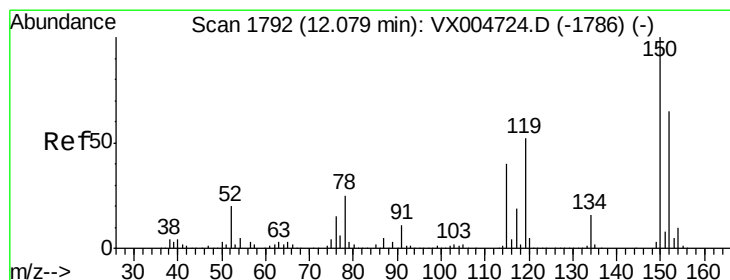
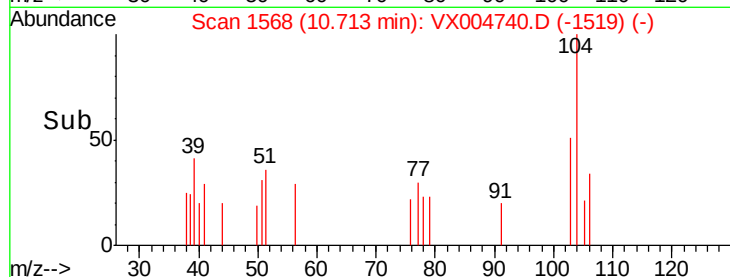
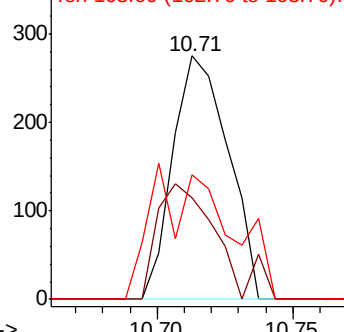
103 27.0 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX004740.D

Acq: 26 Sep 2018 23:17

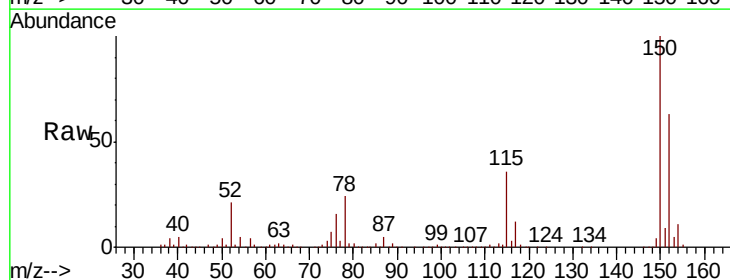
Tgt Ion:152 Resp: 192068

Ion Ratio Lower Upper

152 100

115 55.9 39.0 117.0

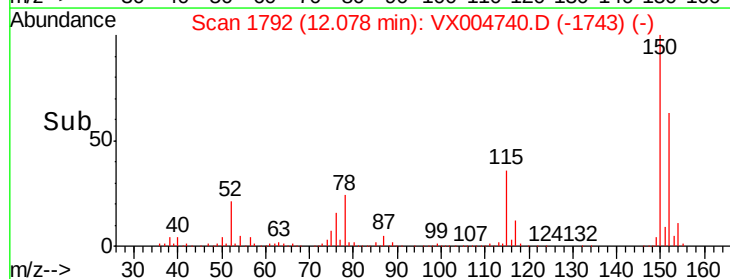
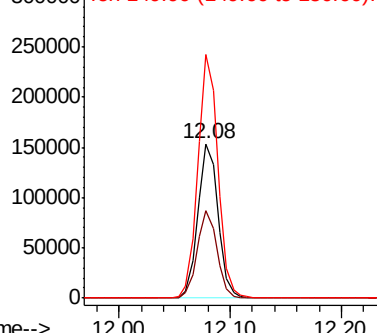
150 156.6 0.0 351.0

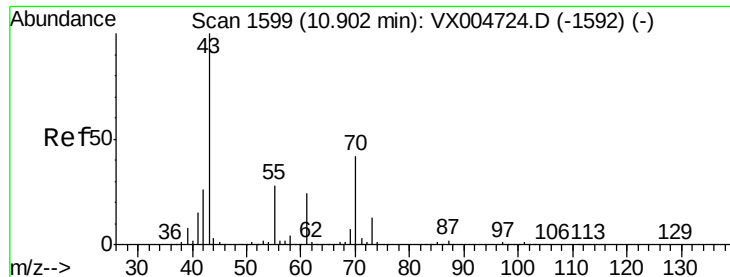


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.792 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampled :

VX0926WBL02

Tot Ion: 43 Resp: 302

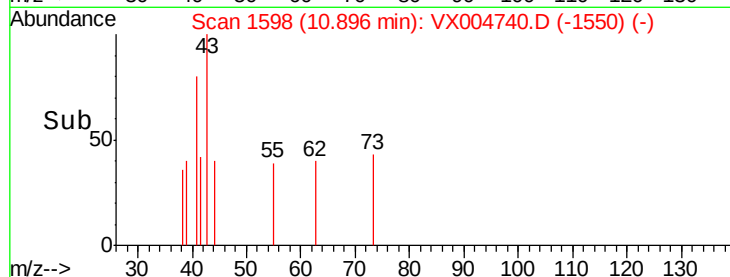
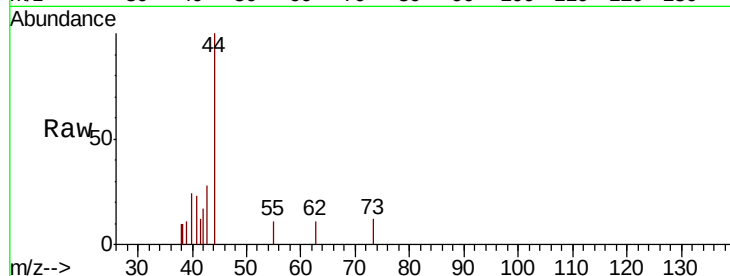
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 40.7 21.8 32.8#

61 0.0 20.6 30.8#

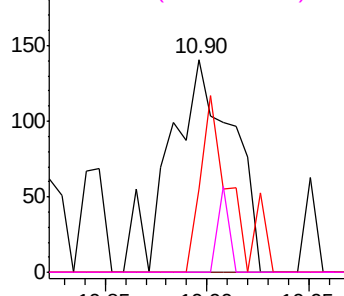


Abundance Ion 43.00 (42.70 to 43.70): VX0

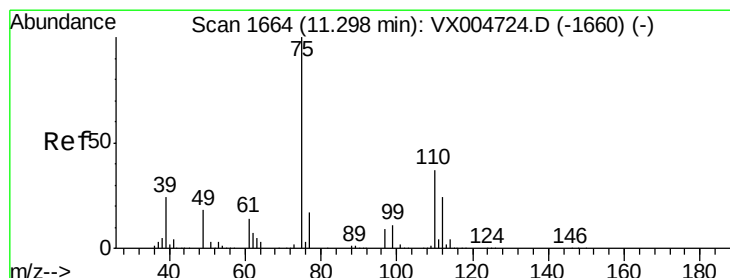
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.976 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004740.D

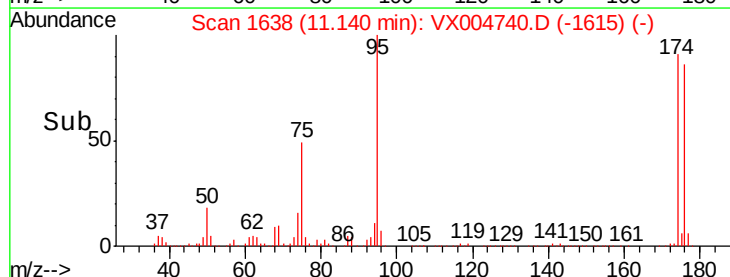
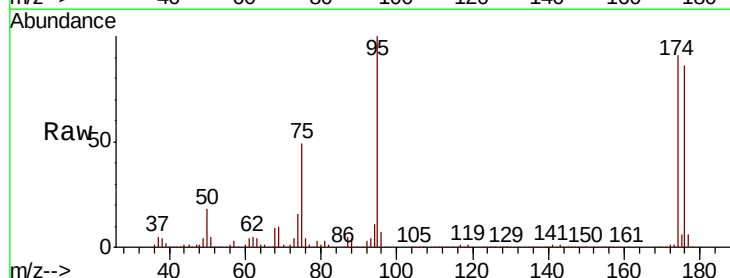
Acq: 26 Sep 2018 23:17

Tgt Ion: 75 Resp: 90302

Ion Ratio Lower Upper

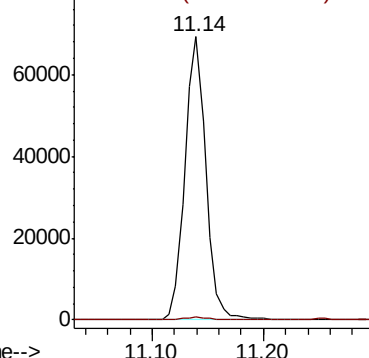
75 100

77 1.3 20.2 60.6#

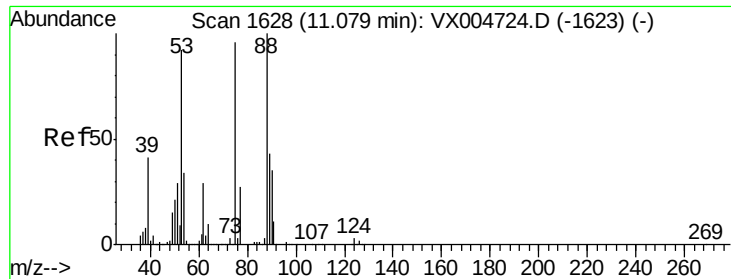


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 56.924 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL02

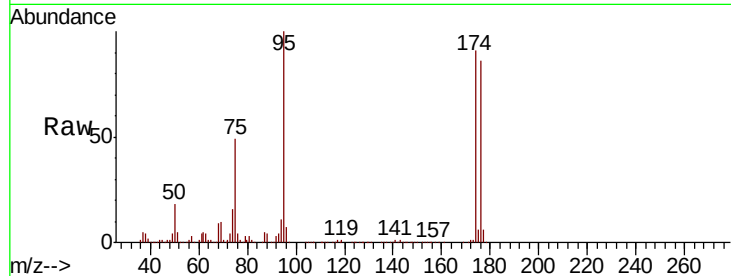
Tot Ion: 75 Resp: 90302

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

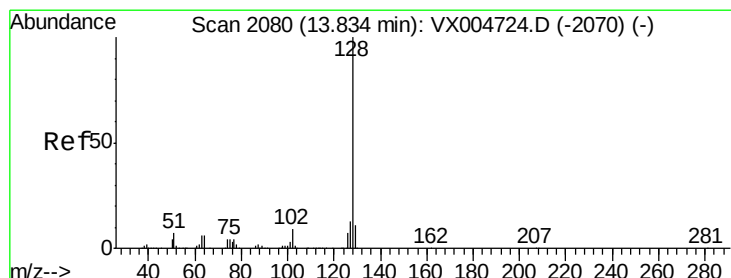
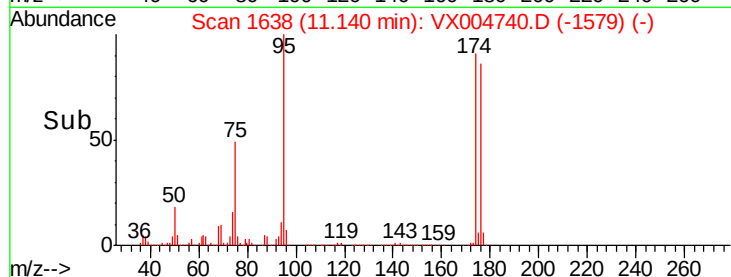
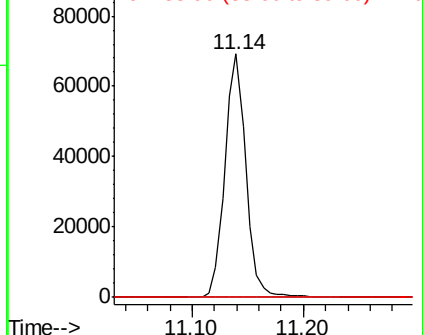
89 0.1 37.2 55.8#



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



#95

Naphthalene

Concen: 0.789 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004740.D

Acq: 26 Sep 2018 23:17

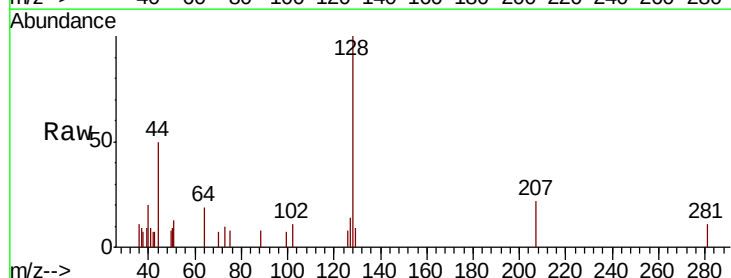
Tgt Ion: 128 Resp: 1131

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

129 13.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

