

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004860.D
 Acq On : 01 Oct 2018 10:27
 Operator : JC/MD
 Sample : VX1001WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL01

Quant Time: Oct 02 02:36:25 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	5.67	168	241610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207725	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	185372	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
35) Dibromofluoromethane	5.50	113	157328	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
50) Toluene-d8	8.71	98	565231	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	199131	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	

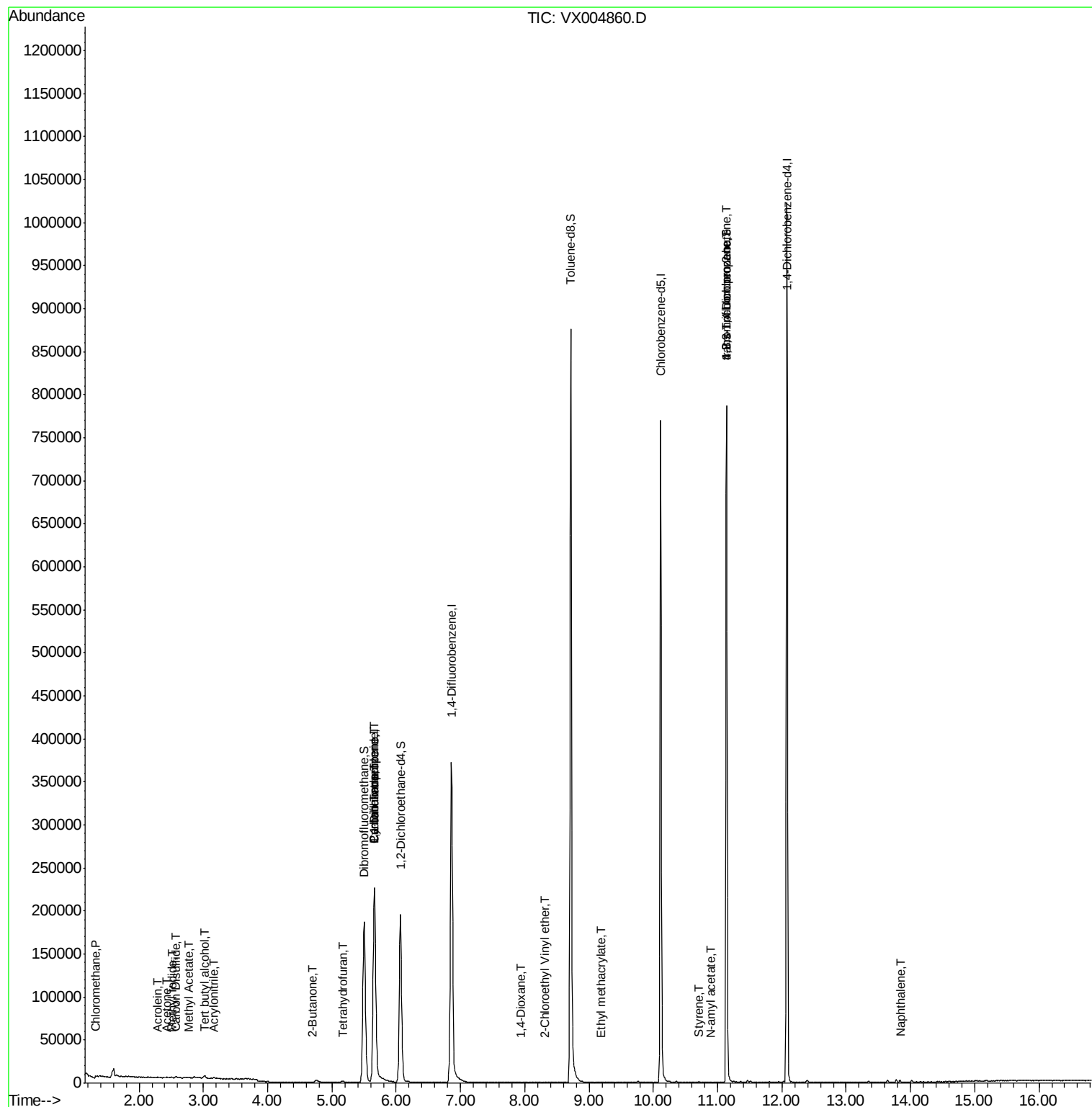
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1071	0.268	ug/l	92
6) Chloroethane	1.71	64	3161	Below Cal	#	44
10) Methyl Iodide	2.52	142	712	0.201	ug/l #	77
11) Tert butyl alcohol	3.02	59	2163	2.241	ug/l #	72
13) Acrolein	2.29	56	230	0.335	ug/l #	1
15) Acrylonitrile	3.16	53	983	0.463	ug/l #	84
16) Acetone	2.44	43	805	0.400	ug/l	89
17) Carbon Disulfide	2.57	76	1866	0.237	ug/l #	81
18) Methyl Acetate	2.77	43	1496	0.293	ug/l #	79
20) Methylene Chloride	2.85	84	679	Below Cal	#	84
25) 2-Butanone	4.70	43	672	0.226	ug/l #	80
29) Tetrahydrofuran	5.17	42	1582	0.857	ug/l #	87
31) Cyclohexane	5.66	56	4571	1.041	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16688	3.708	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21090	4.458	ug/l #	15
49) 1,4-Dioxane	7.93	88	20	0.206	ug/l #	1
56) Ethyl methacrylate	9.18	69	59	2.872	ug/l #	26
58) 2-Chloroethyl Vinyl ether	8.31	63	103	14.275	ug/l #	45
70) Styrene	10.72	104	236	2.162	ug/l	94
74) N-amyl acetate	10.90	43	240	1.780	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	99934	21.464	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	246	Below Cal		95
81) trans-1,4-Dichloro-2-buten	11.14	75	99934	58.201	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	382	Below Cal		95
95) Naphthalene	13.84	128	1347	0.796	ug/l #	93

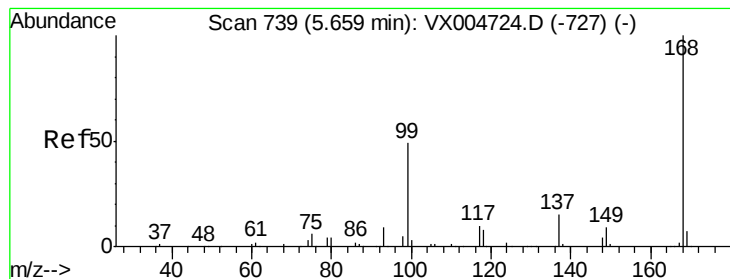
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100118\
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Instrument :
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ClientSampleId :
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Quant Time: Oct 02 02:36:25 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: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

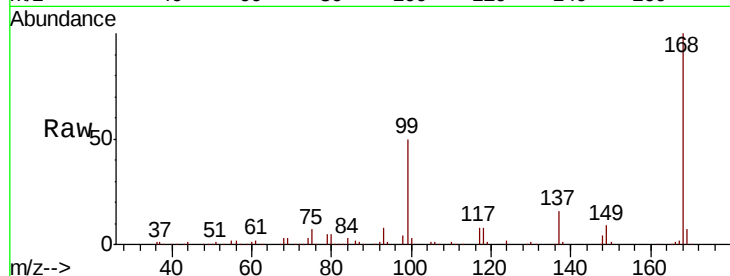
VX1001WBL01

Tot Ion:168 Resp: 241610

Ion Ratio Lower Upper

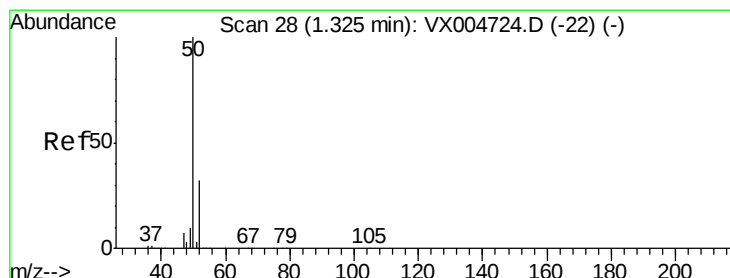
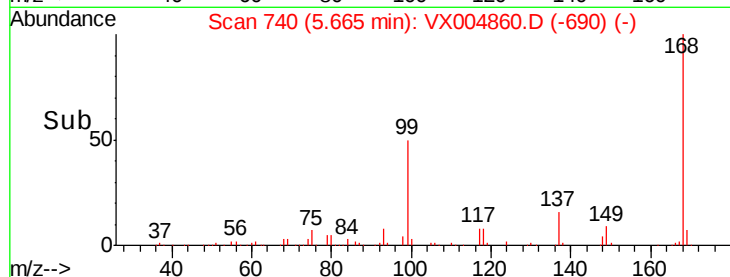
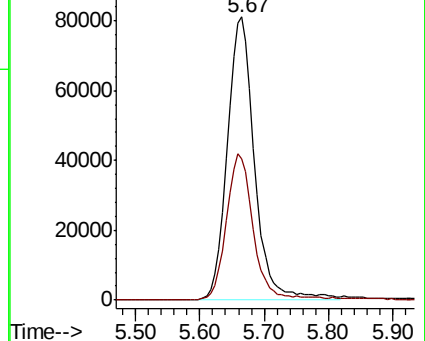
168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004860.D

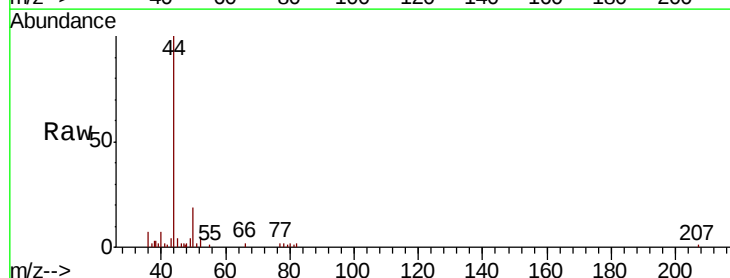
Acq: 01 Oct 2018 10:27

Tgt Ion: 50 Resp: 1071

Ion Ratio Lower Upper

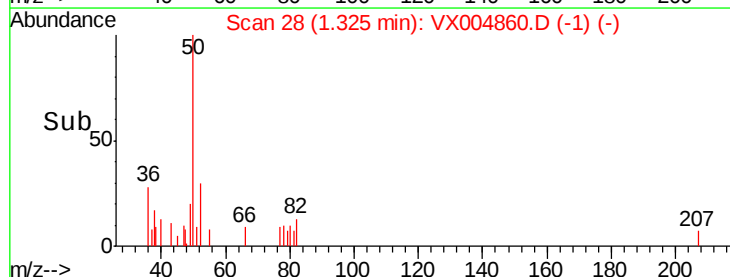
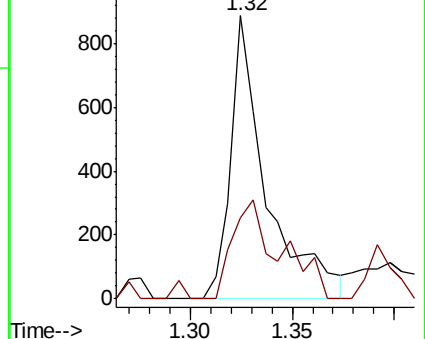
50 100

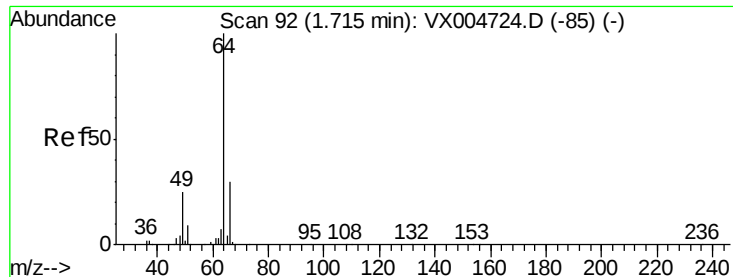
52 28.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

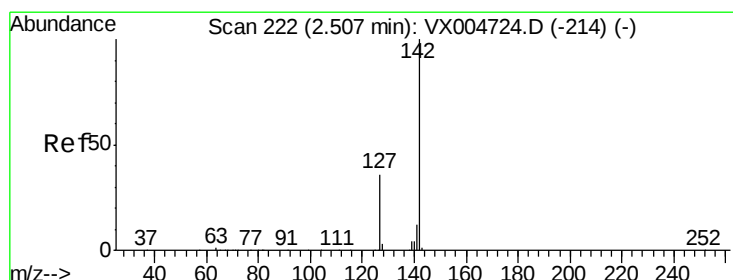
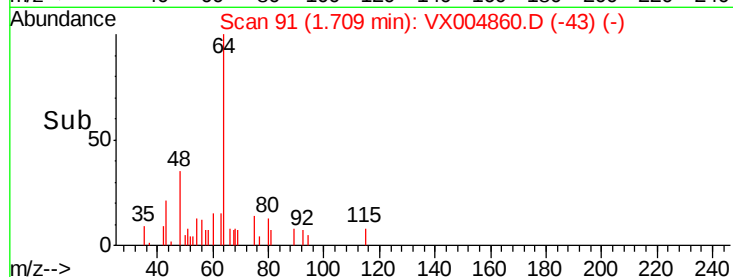
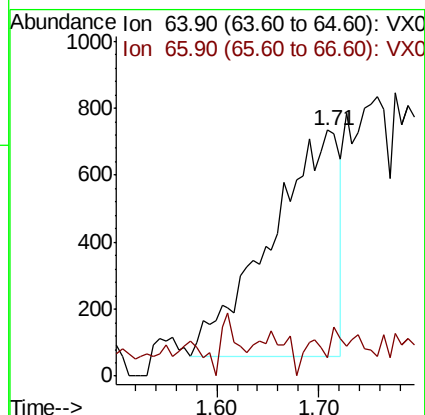
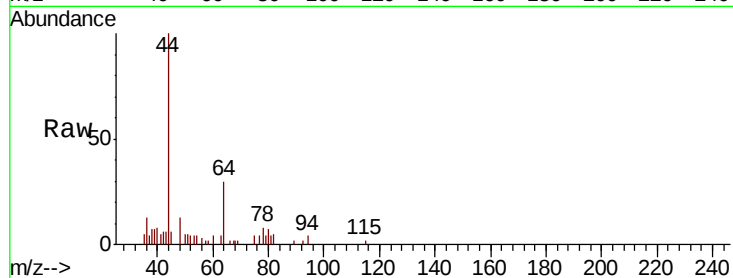
VX1001WBL01

Tot Ion: 64 Resp: 3161

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 0.201 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

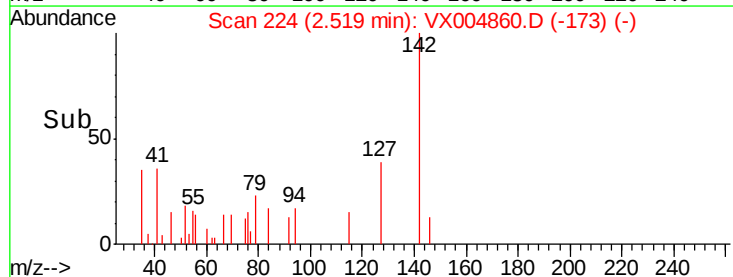
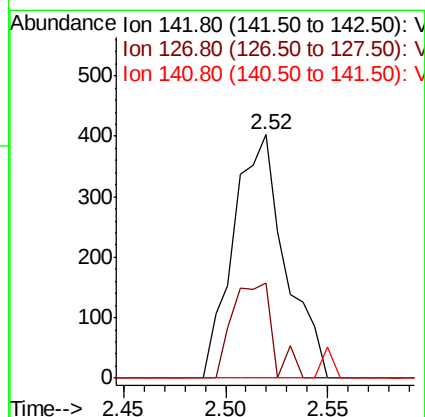
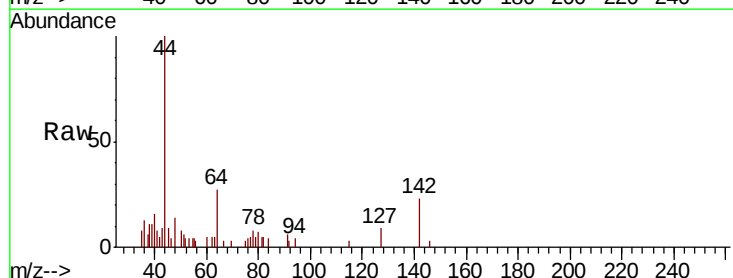
Tgt Ion: 142 Resp: 712

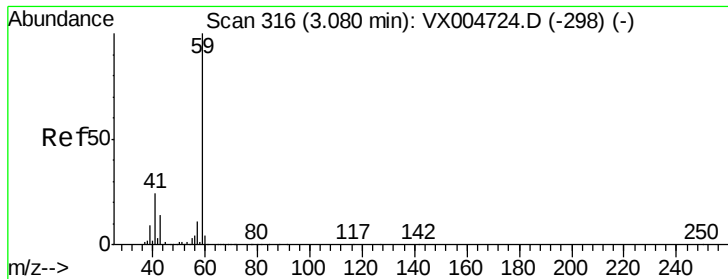
Ion Ratio Lower Upper

142 100

127 30.2 33.8 50.6#

141 0.0 11.4 17.0#

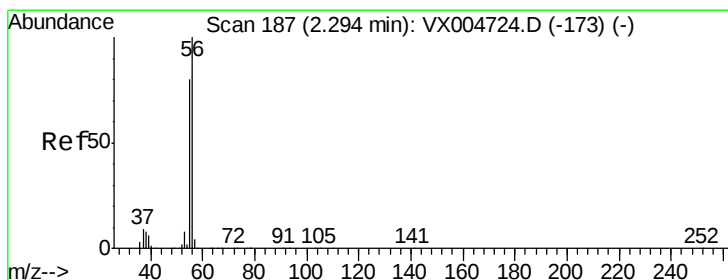
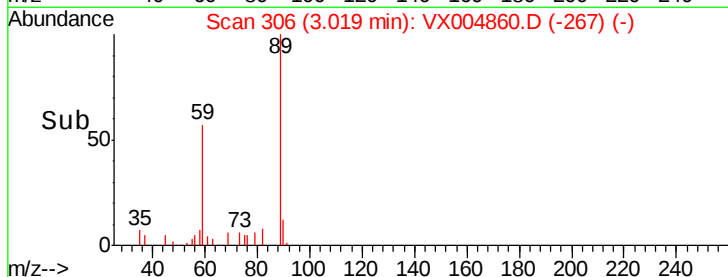
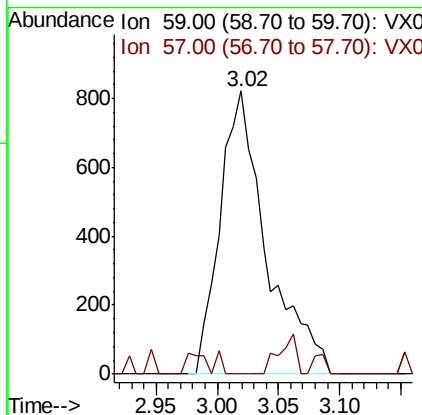
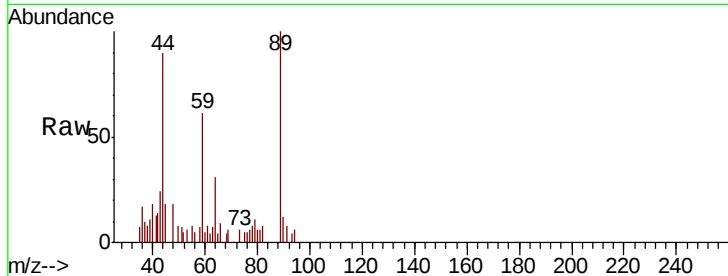




#11
Tert butyl alcohol
Concen: 2.241 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

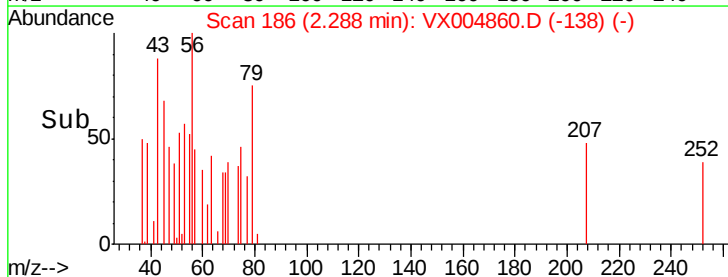
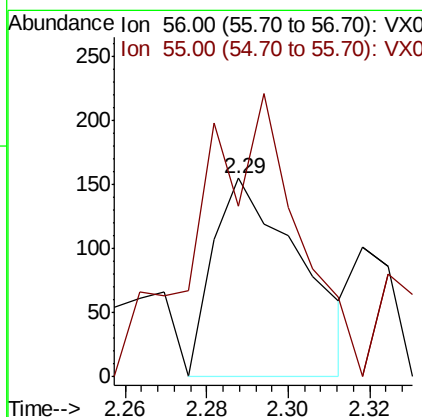
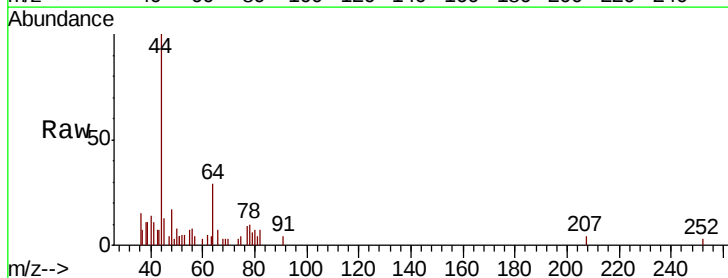
Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

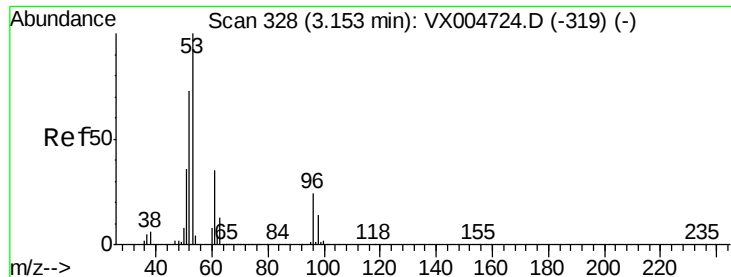
Tot Ion: 59 Resp: 2163
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.335 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 163.0 54.7 82.1#





#15

Acrylonitrile

Concen: 0.463 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampled :

VX1001WBL01

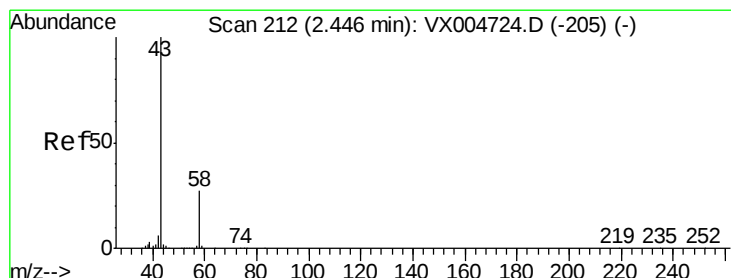
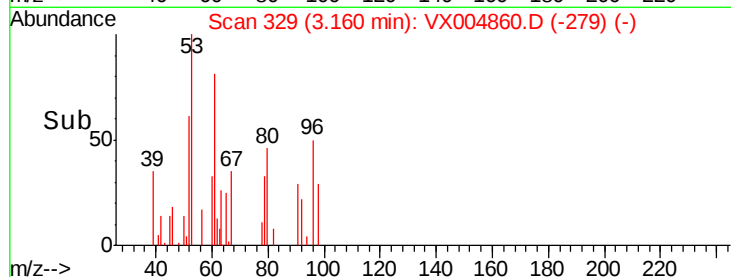
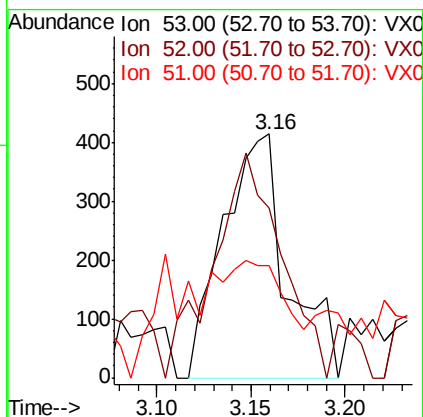
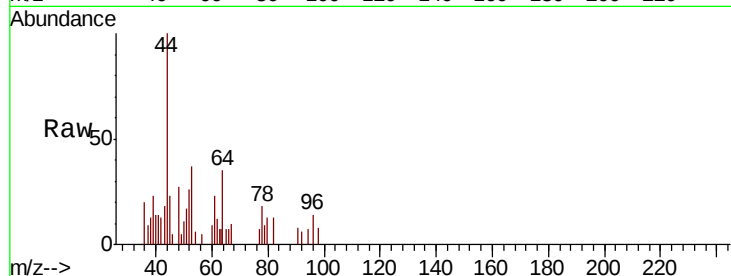
Tot Ion: 53 Resp: 983

Ion Ratio Lower Upper

53 100

52 96.9 65.2 97.8

51 43.1 28.2 42.2#



#16

Acetone

Concen: 0.400 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004860.D

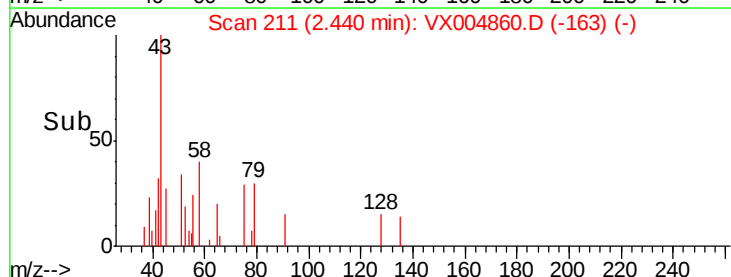
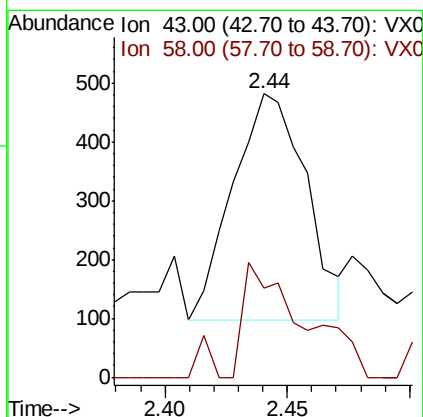
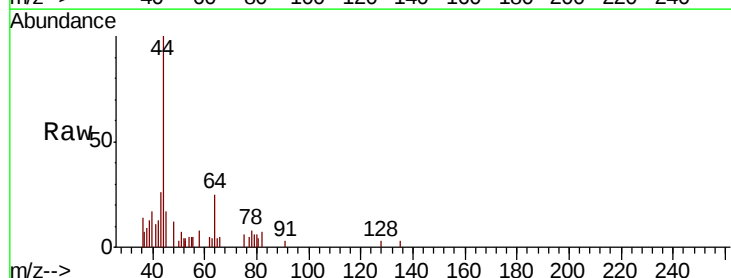
Acq: 01 Oct 2018 10:27

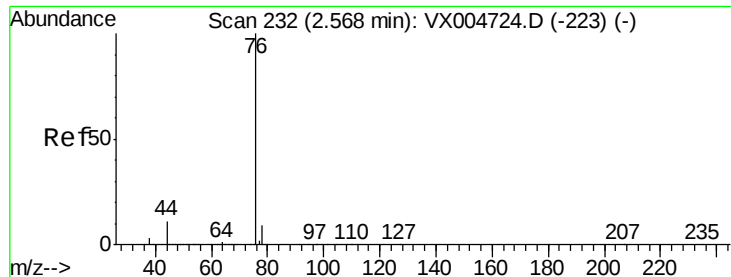
Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

58 39.2 26.2 39.4





#17

Carbon Disulfide

Concen: 0.237 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

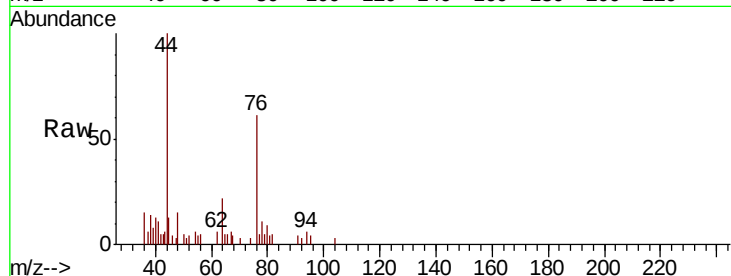
VX1001WBL01

Tot Ion: 76 Resp: 1866

Ion Ratio Lower Upper

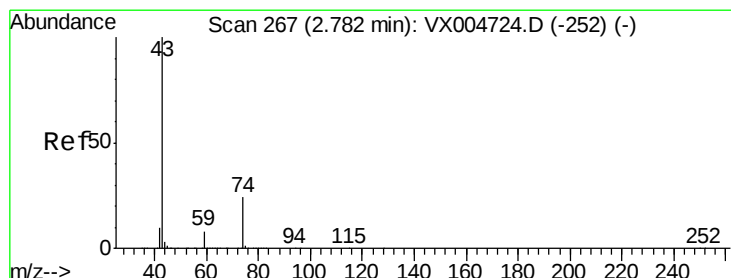
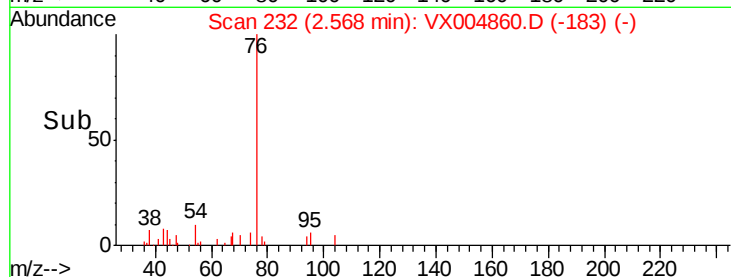
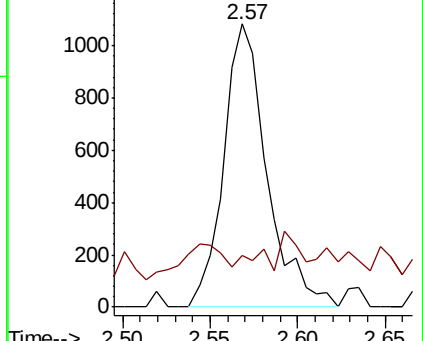
76 100

78 2.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.293 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX004860.D

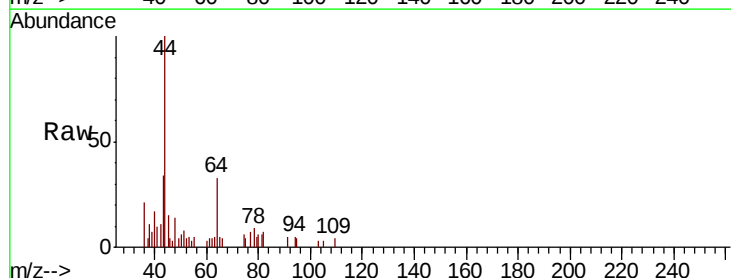
Acq: 01 Oct 2018 10:27

Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

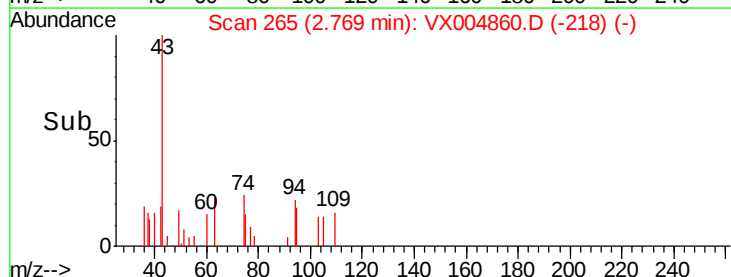
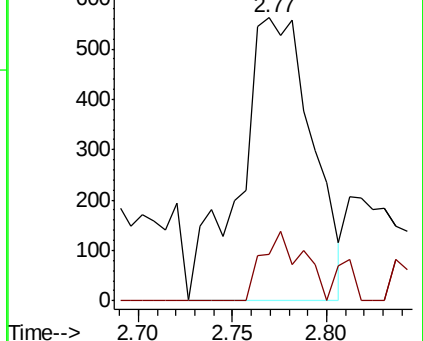
43 100

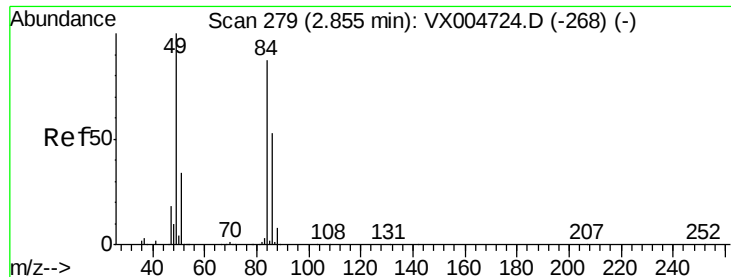
74 13.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

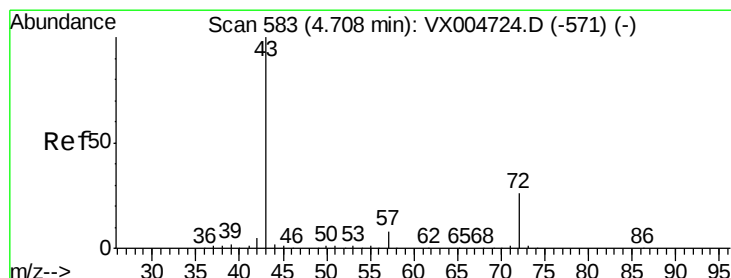
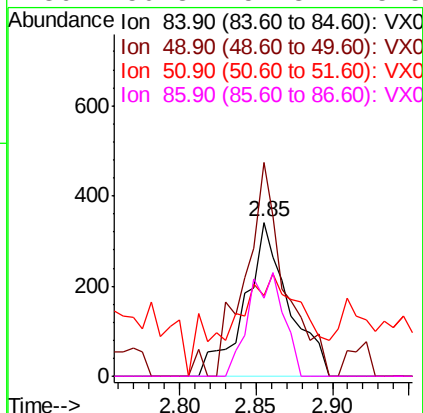
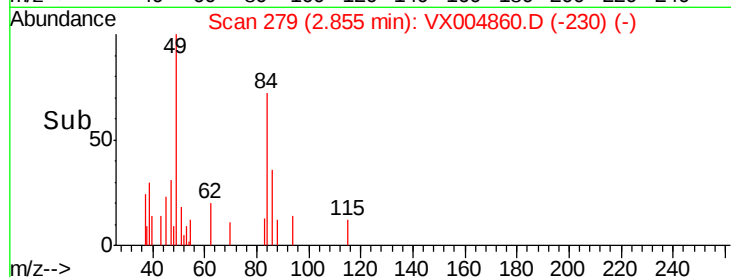
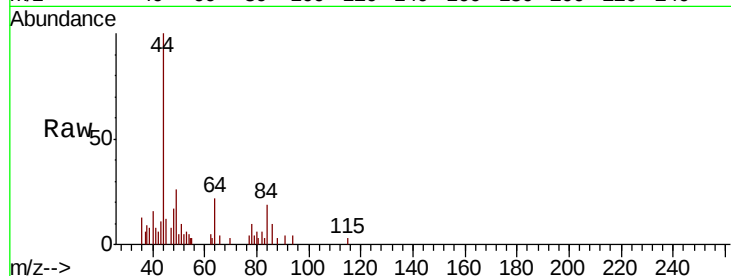




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

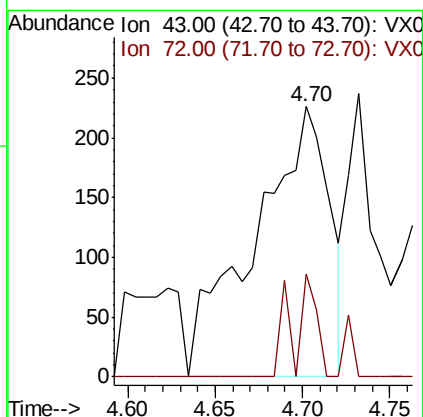
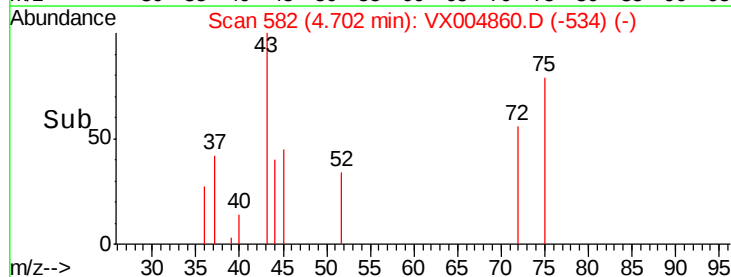
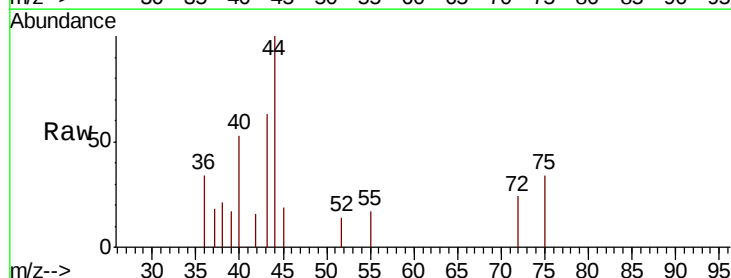
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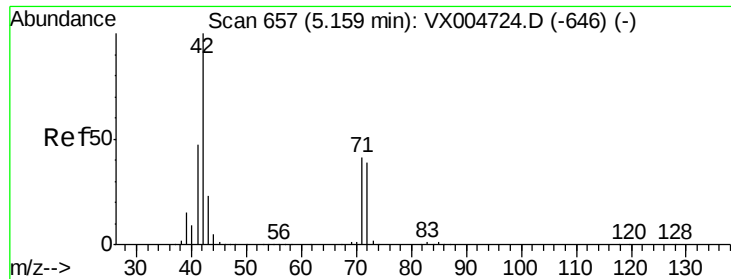
Tot Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 138.6 101.2 151.8
51 52.6 29.5 44.3#
86 50.3 52.3 78.5#



#25
2-Butanone
Concen: 0.226 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
72 38.1 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.857 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL01

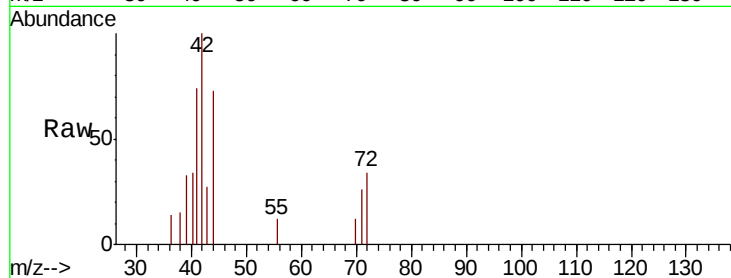
Tot Ion: 42 Resp: 1582

Ion Ratio Lower Upper

42 100

72 34.8 37.4 56.0#

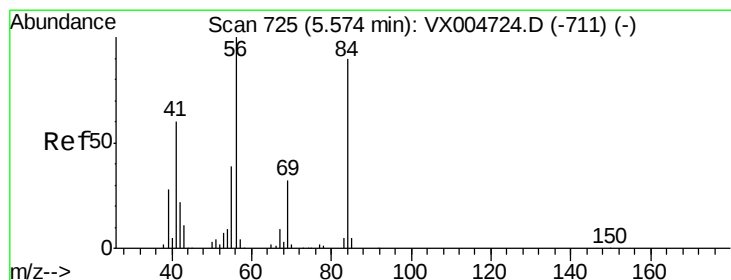
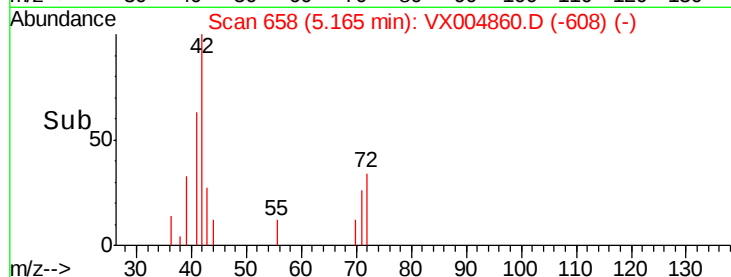
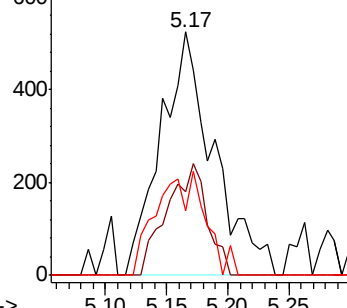
71 38.8 34.5 51.7



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



#31

Cyclohexane

Concen: 1.041 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

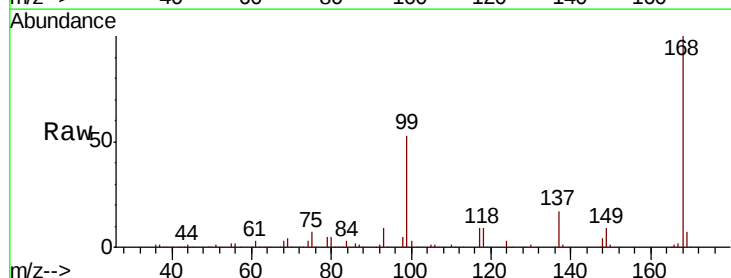
Tgt Ion: 56 Resp: 4571

Ion Ratio Lower Upper

56 100

69 180.9 25.4 38.2#

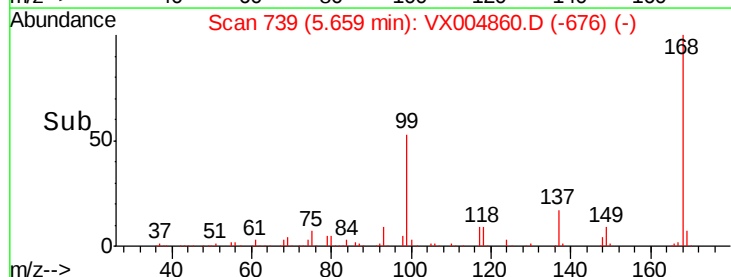
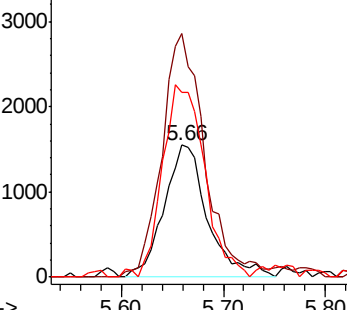
84 134.1 71.4 107.2#

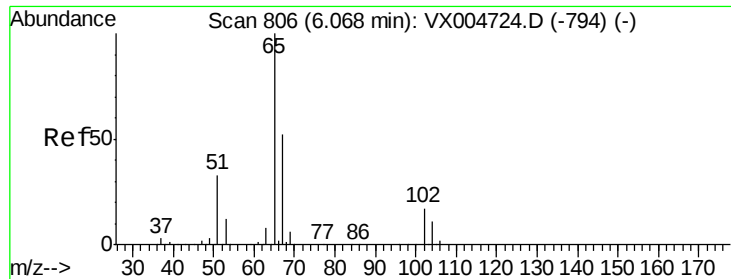


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

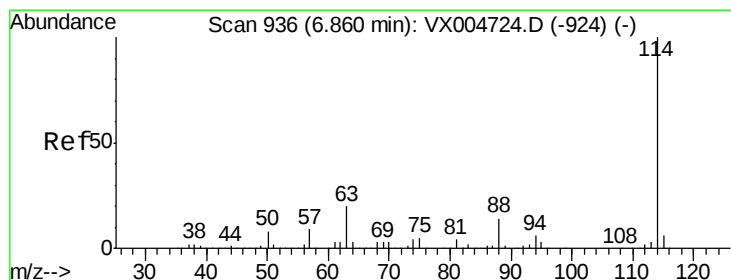
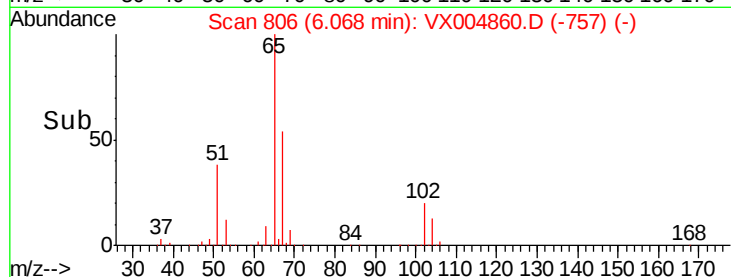
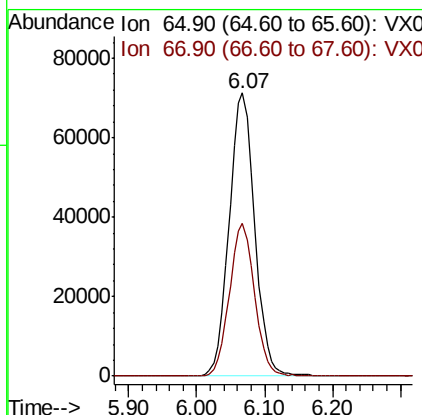
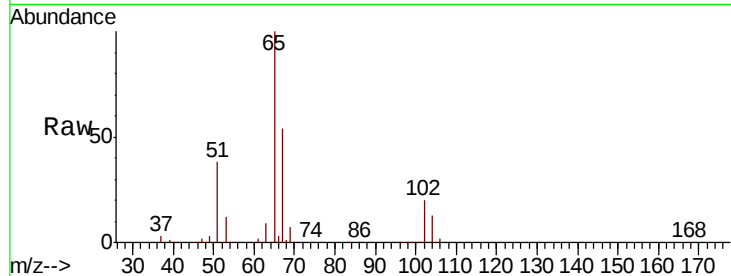




#33
 1,2-Dichloroethane-d4
 Concen: 53.709 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

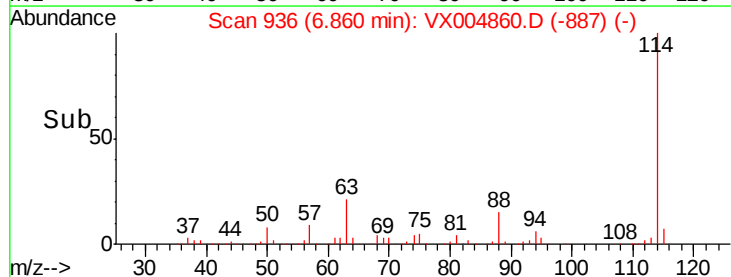
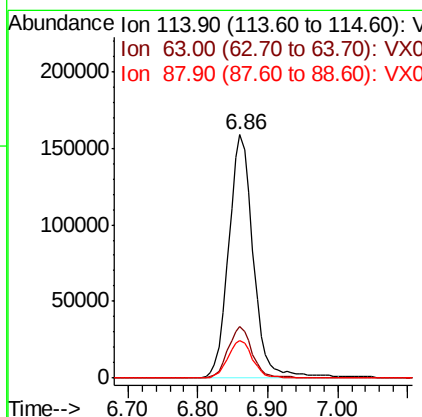
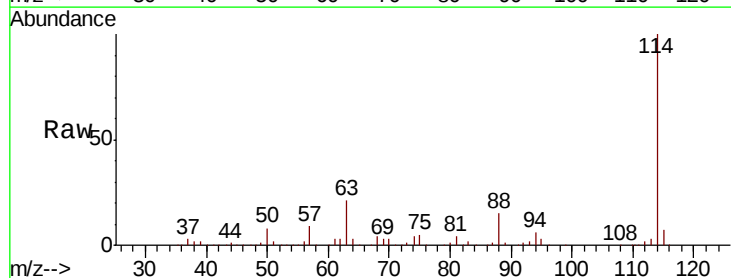
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL01

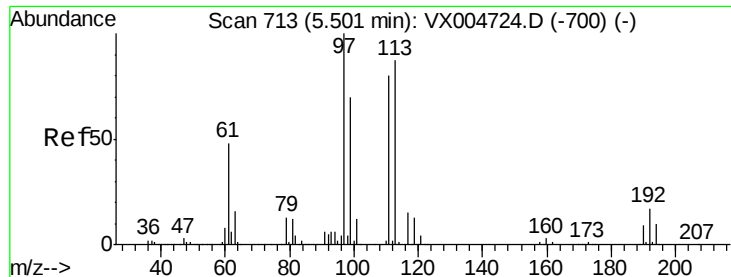
Tot Ion: 65 Resp: 185372
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

Tgt Ion: 114 Resp: 389204
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.0
 88 15.2 0.0 30.4

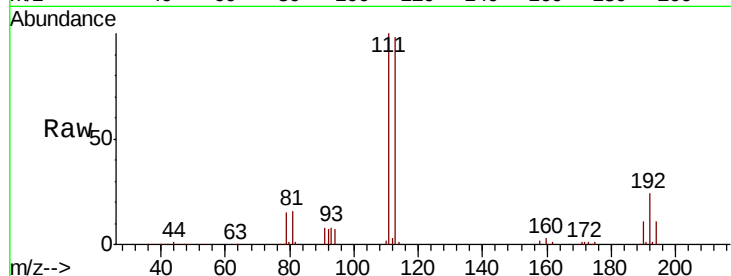




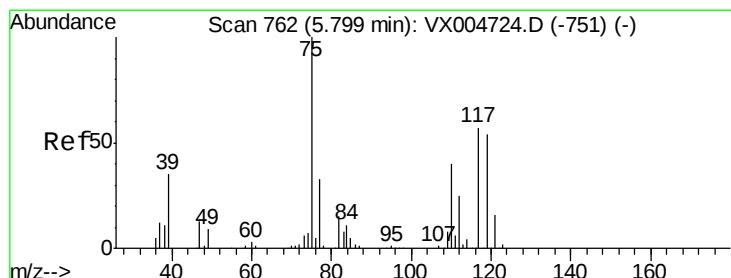
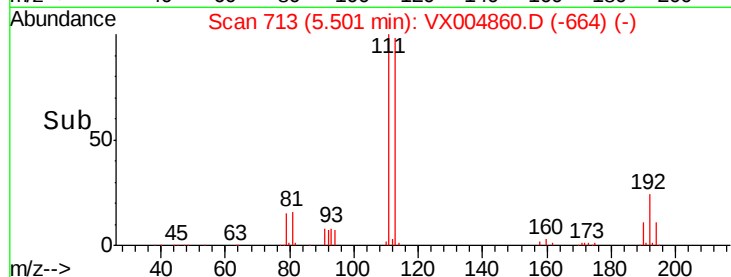
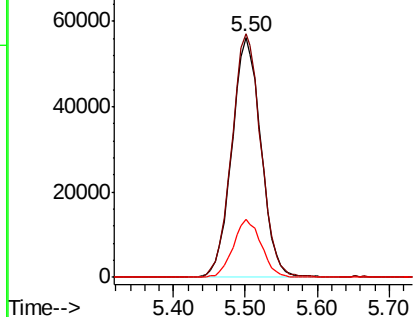
#35
 Dibromofluoromethane
 Concen: 47.696 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL01

Tot Ion:113 Resp: 157328
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 23.6 19.4 29.2

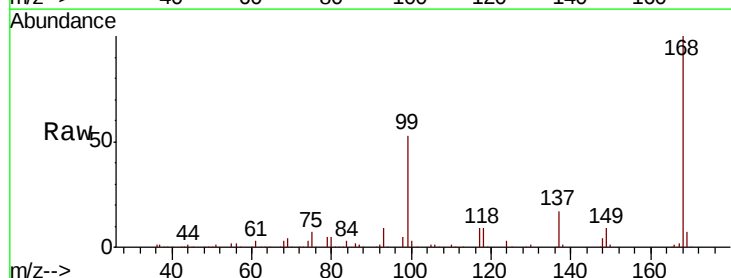


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

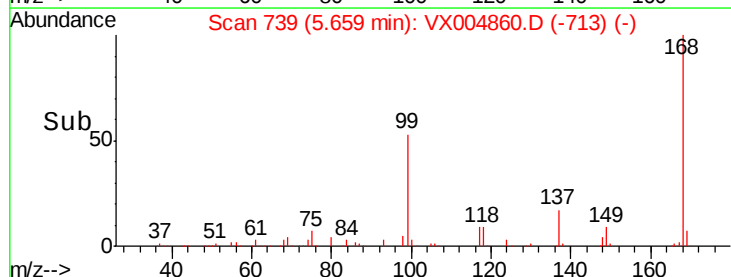
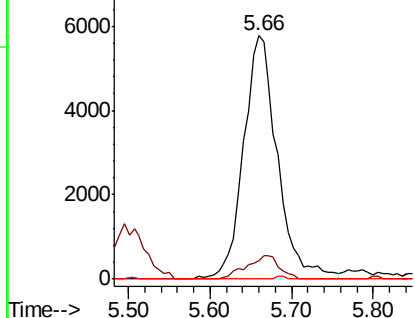


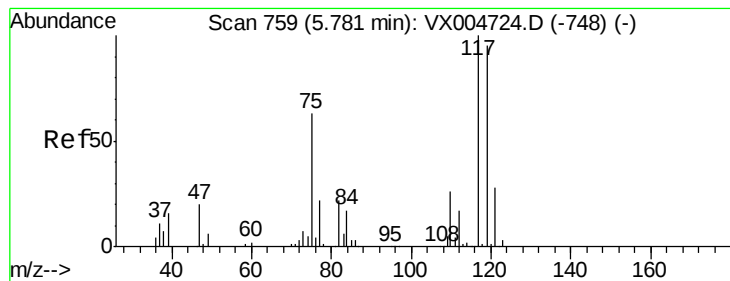
#36
 1,1-Dichloropropene
 Concen: 3.708 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

Tgt Ion: 75 Resp: 16688
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.0 54.0#
 77 0.0 24.6 36.8#



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: 4.458 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL01

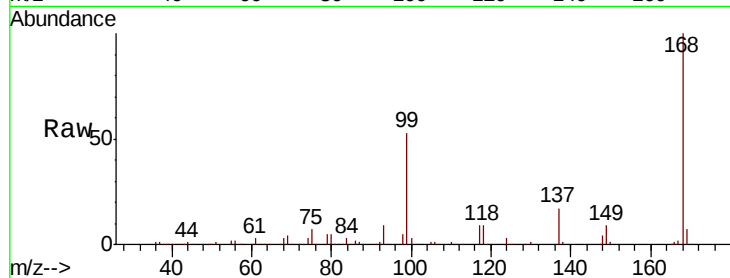
Tot Ion: 117 Resp: 21090

Ion Ratio Lower Upper

117 100

119 5.4 78.8 118.2#

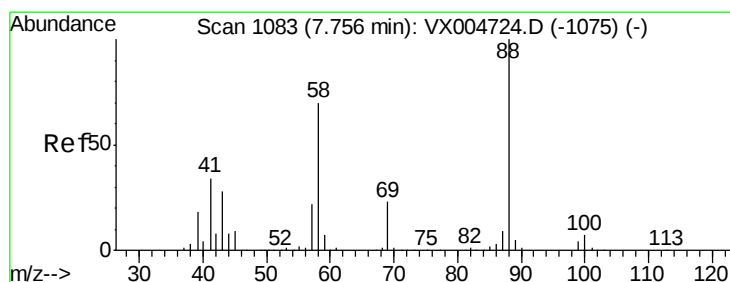
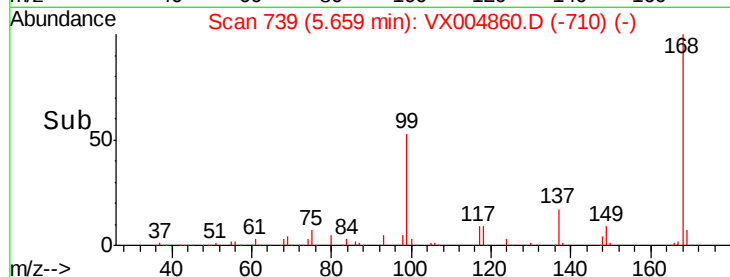
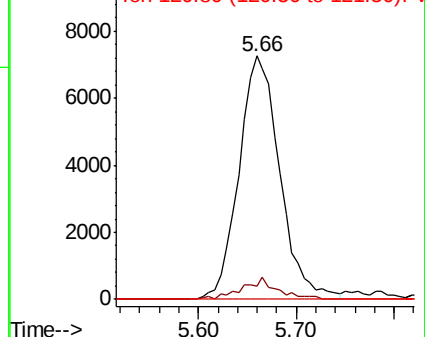
121 0.0 24.9 37.3#



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



#49

1,4-Dioxane

Concen: 0.206 ug/l

RT: 7.93 min Scan# 1111

Delta R.T. 0.17 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

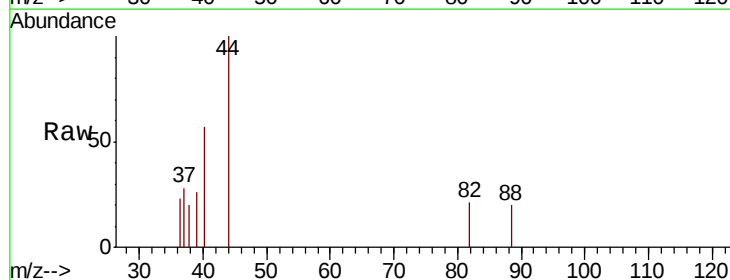
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 365.0 24.7 37.1#

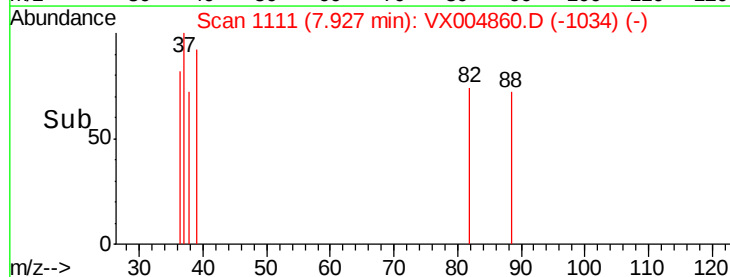
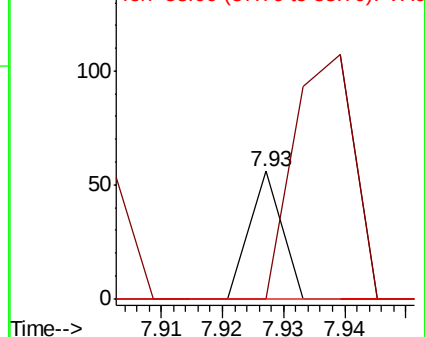
58 0.0 55.3 82.9#

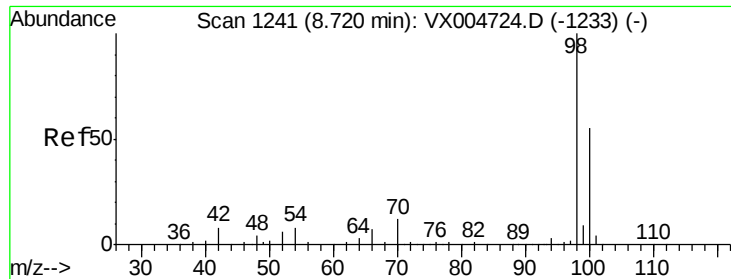


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.544 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

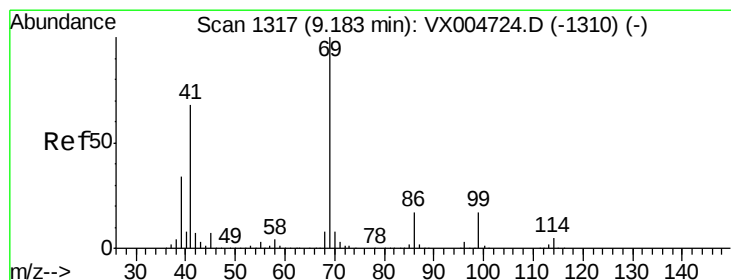
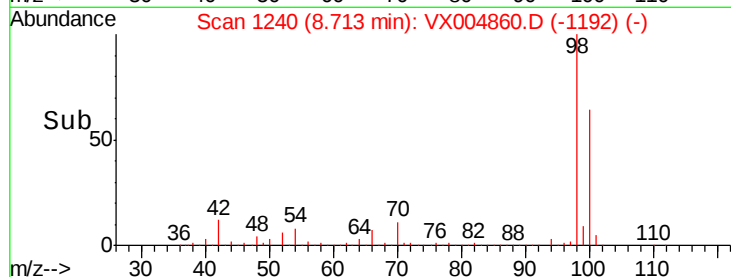
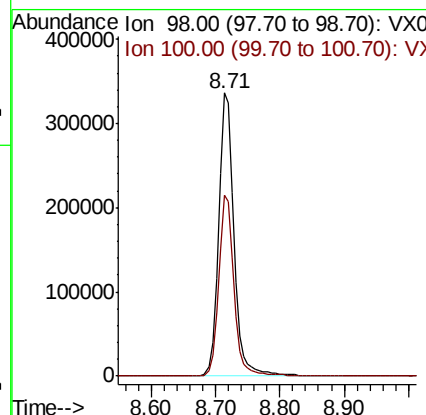
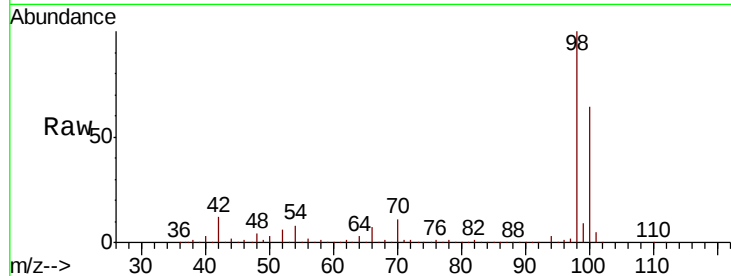
VX1001WBL01

Tot Ion: 98 Resp: 565231

Ion Ratio Lower Upper

98 100

100 63.9 52.9 79.3



#56

Ethyl methacrylate

Concen: 2.872 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

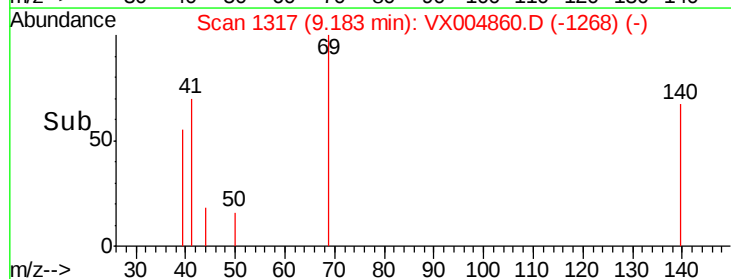
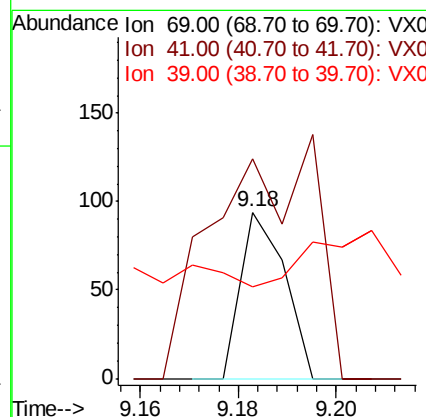
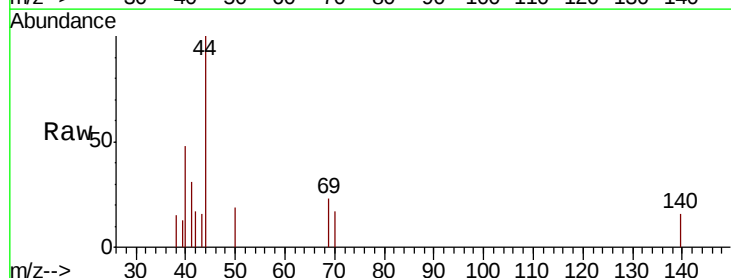
Tgt Ion: 69 Resp: 59

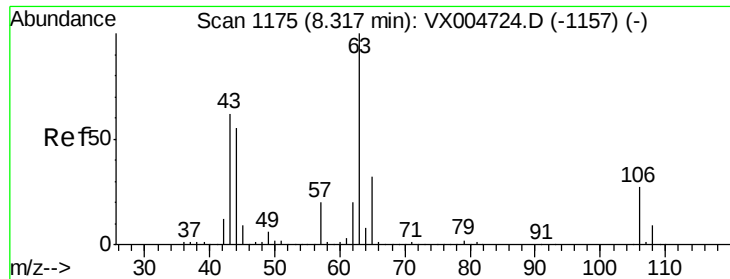
Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

39 0.0 26.1 39.1#

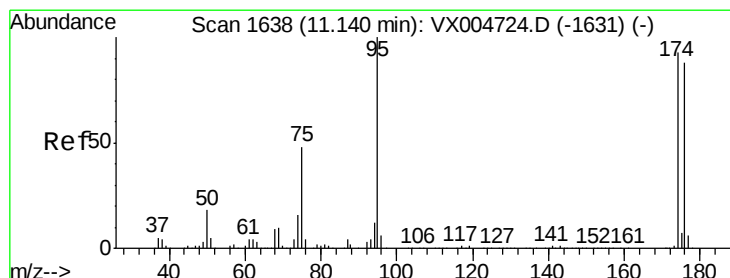
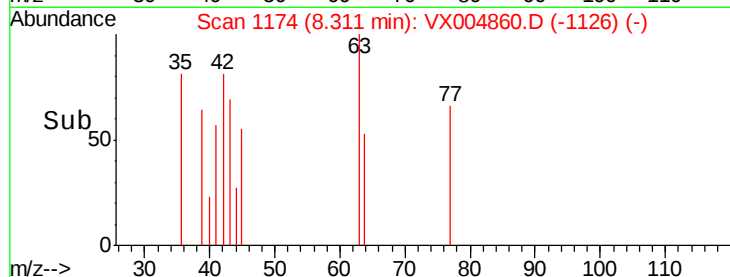
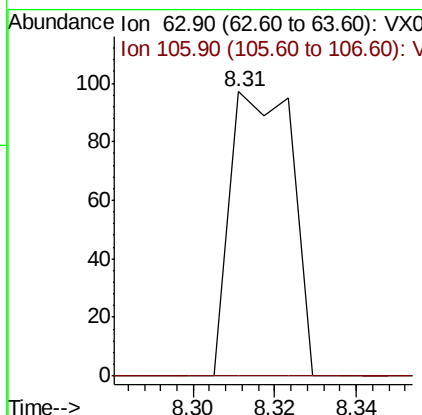
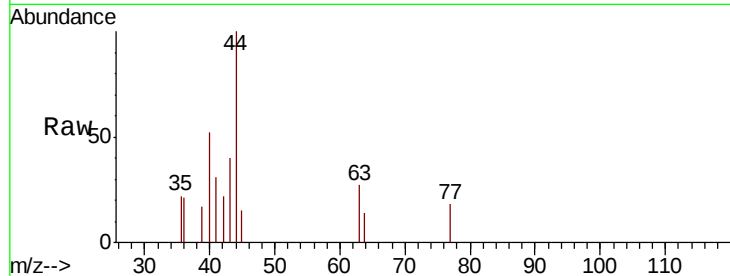




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.275 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

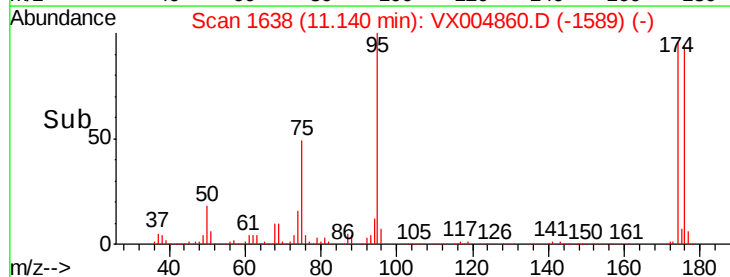
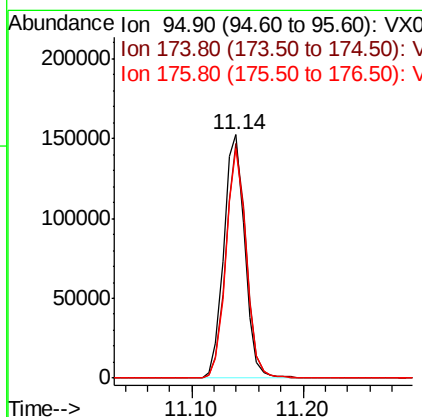
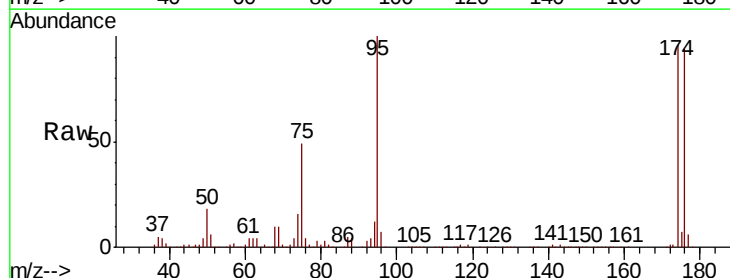
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL01

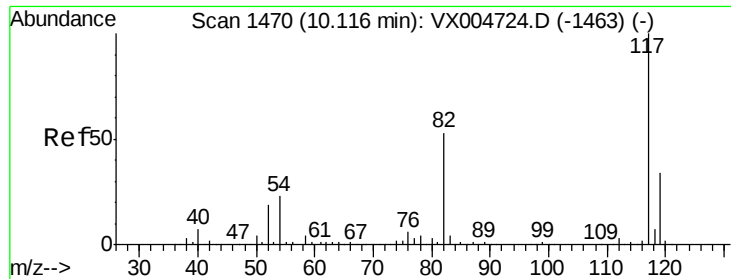
Tot Ion: 63 Resp: 103
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 50.406 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

Tgt Ion: 95 Resp: 199131
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 185.2
 176 90.7 0.0 178.6

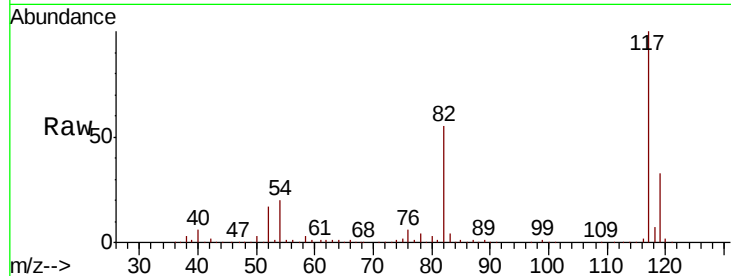




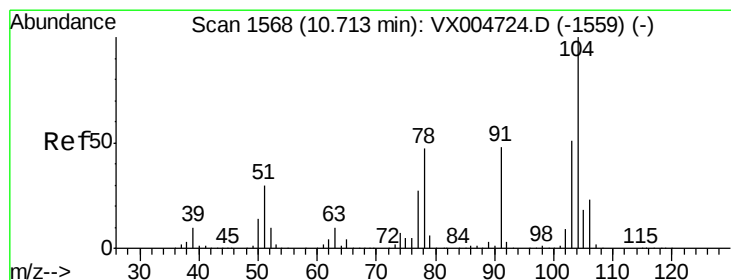
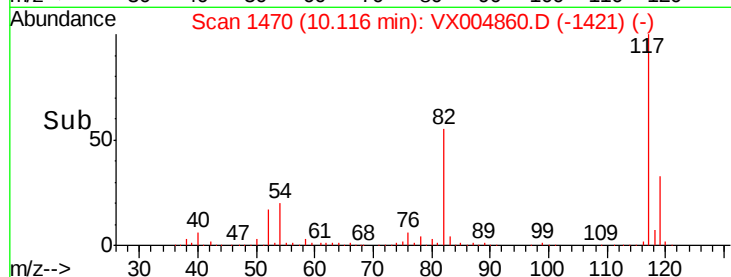
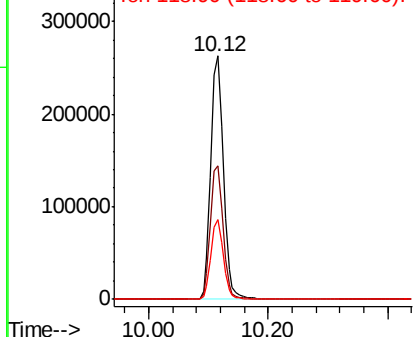
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX1001WBL01

Tot Ion:117 Resp: 379968
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 33.0 29.3 43.9

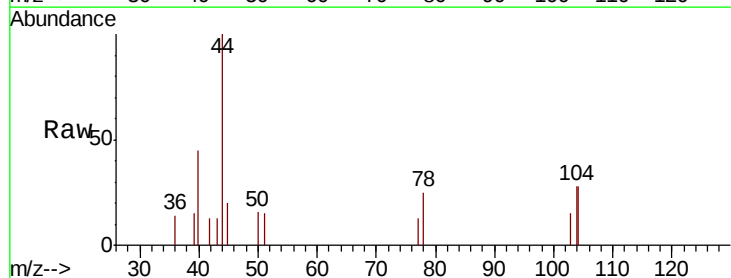


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

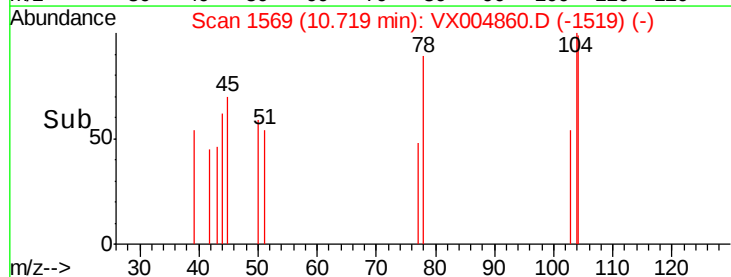
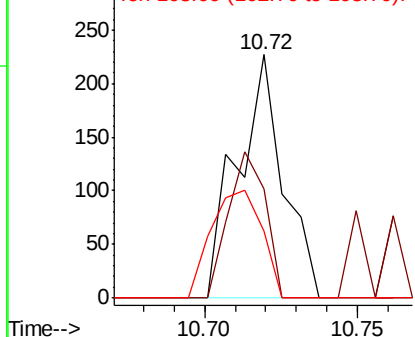


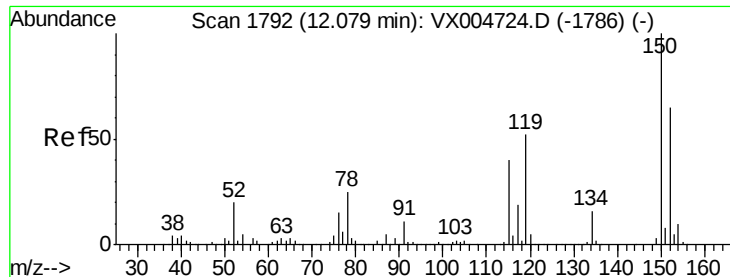
#70
Styrene
Concen: 2.162 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX004860.D
Acq: 01 Oct 2018 10:27

Tgt Ion:104 Resp: 236
Ion Ratio Lower Upper
104 100
78 47.9 37.4 56.0
103 48.3 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: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL01

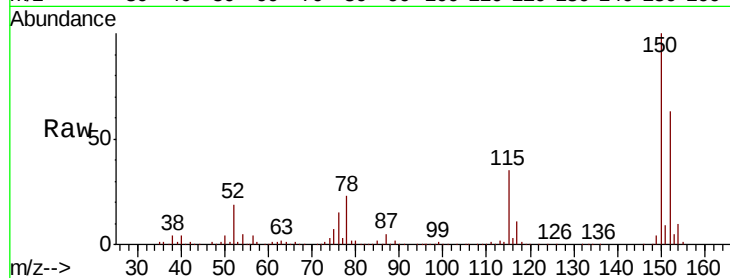
Tot Ion:152 Resp: 207725

Ion Ratio Lower Upper

152 100

115 55.7 39.0 117.0

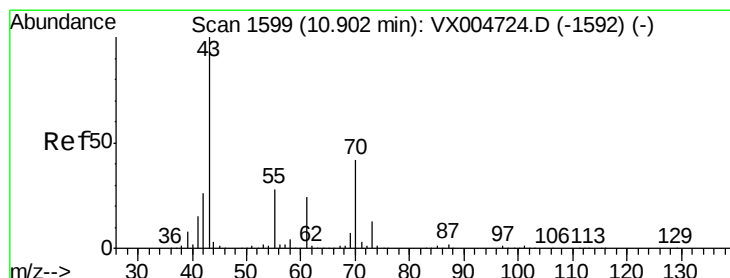
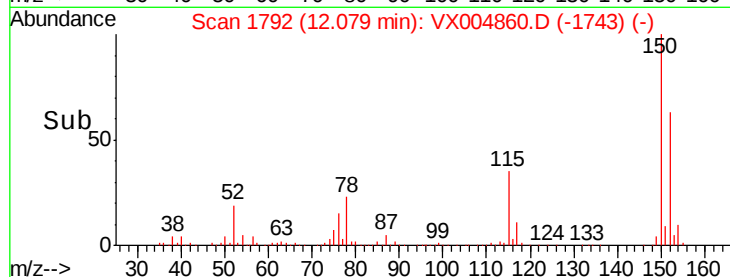
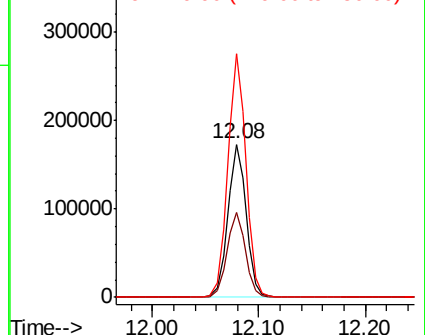
150 157.9 0.0 351.0



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-ethyl acetate

Concen: 1.780 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Tgt Ion: 43 Resp: 240

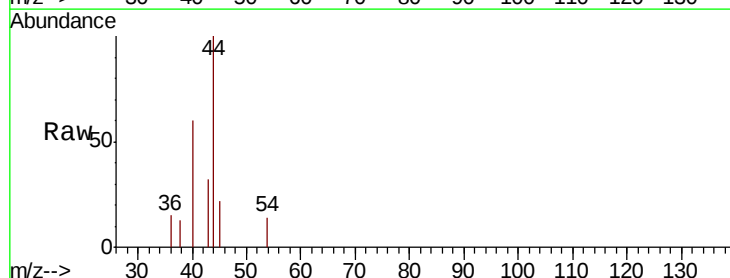
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 7.9 21.8 32.8#

61 0.0 20.6 30.8#

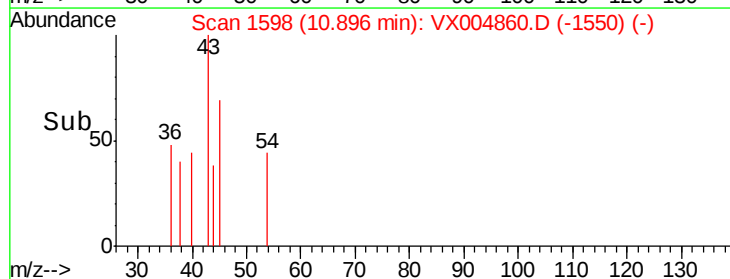
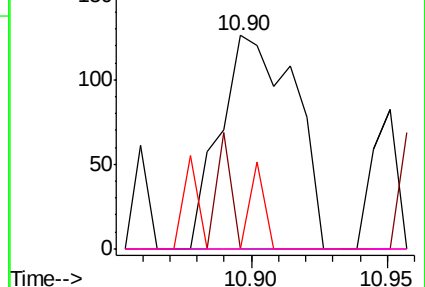


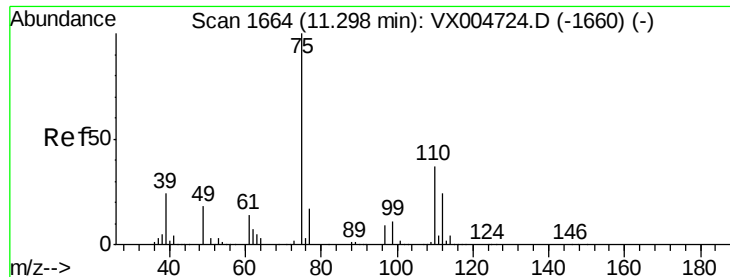
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

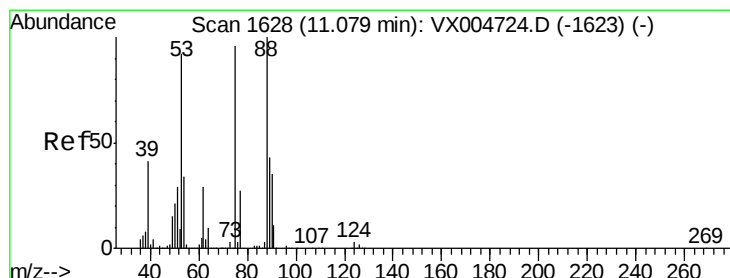
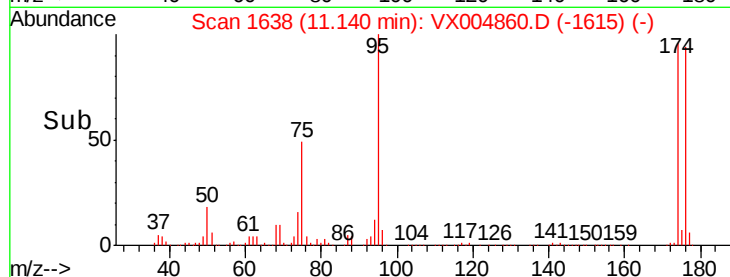
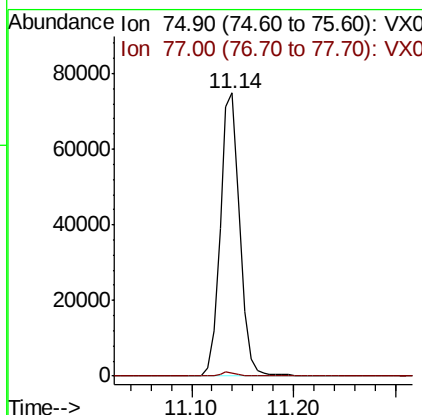
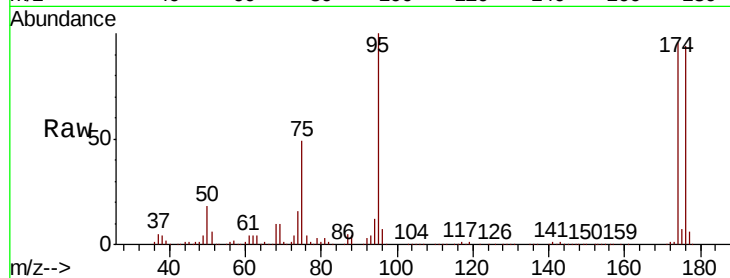




#76
 1,2,3-Trichloropropane
 Concen: 21.464 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

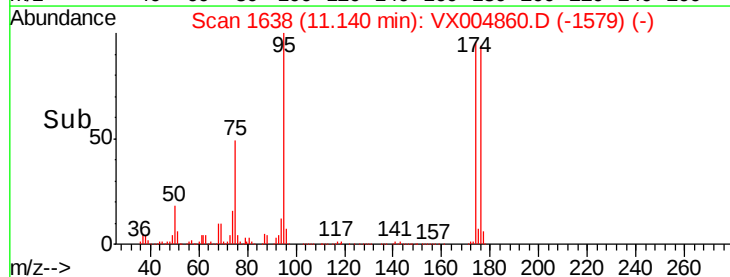
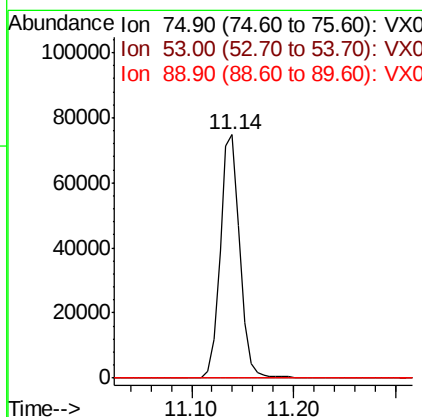
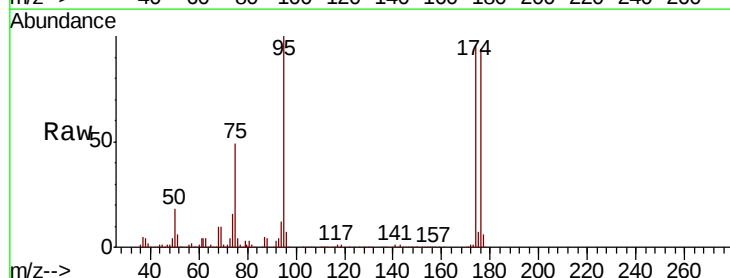
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBL01

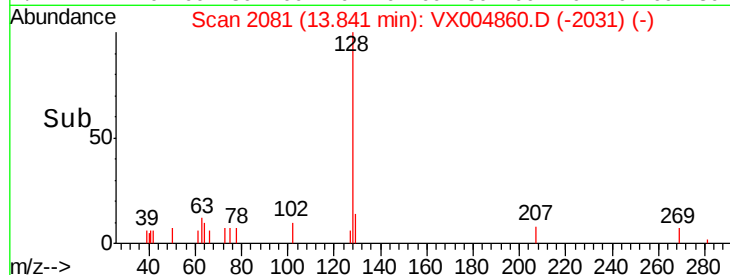
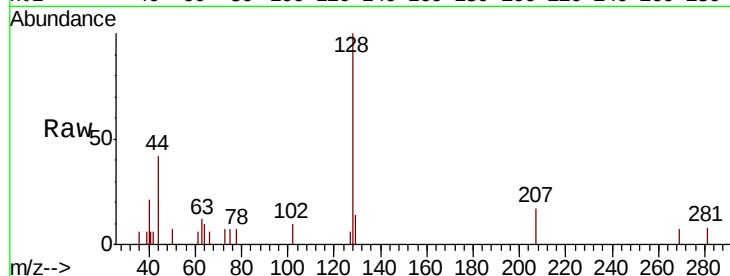
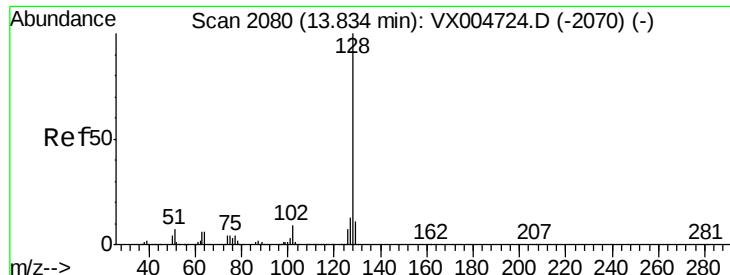
Tot Ion: 75 Resp: 99934
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.201 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004860.D
 Acq: 01 Oct 2018 10:27

Tgt Ion: 75 Resp: 99934
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.796 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX004860.D

Acq: 01 Oct 2018 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX1001WBL01

Tot Ion:128 Resp: 1347

Ion Ratio Lower Upper

128 100

127 8.2 10.2 15.2#

129 10.4 8.6 12.8

