

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092718\
 Data File : VX004767.D
 Acq On : 27 Sep 2018 12:09
 Operator : JC/MD
 Sample : J5048-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-SEP18

Quant Time: Sep 28 05:47:52 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

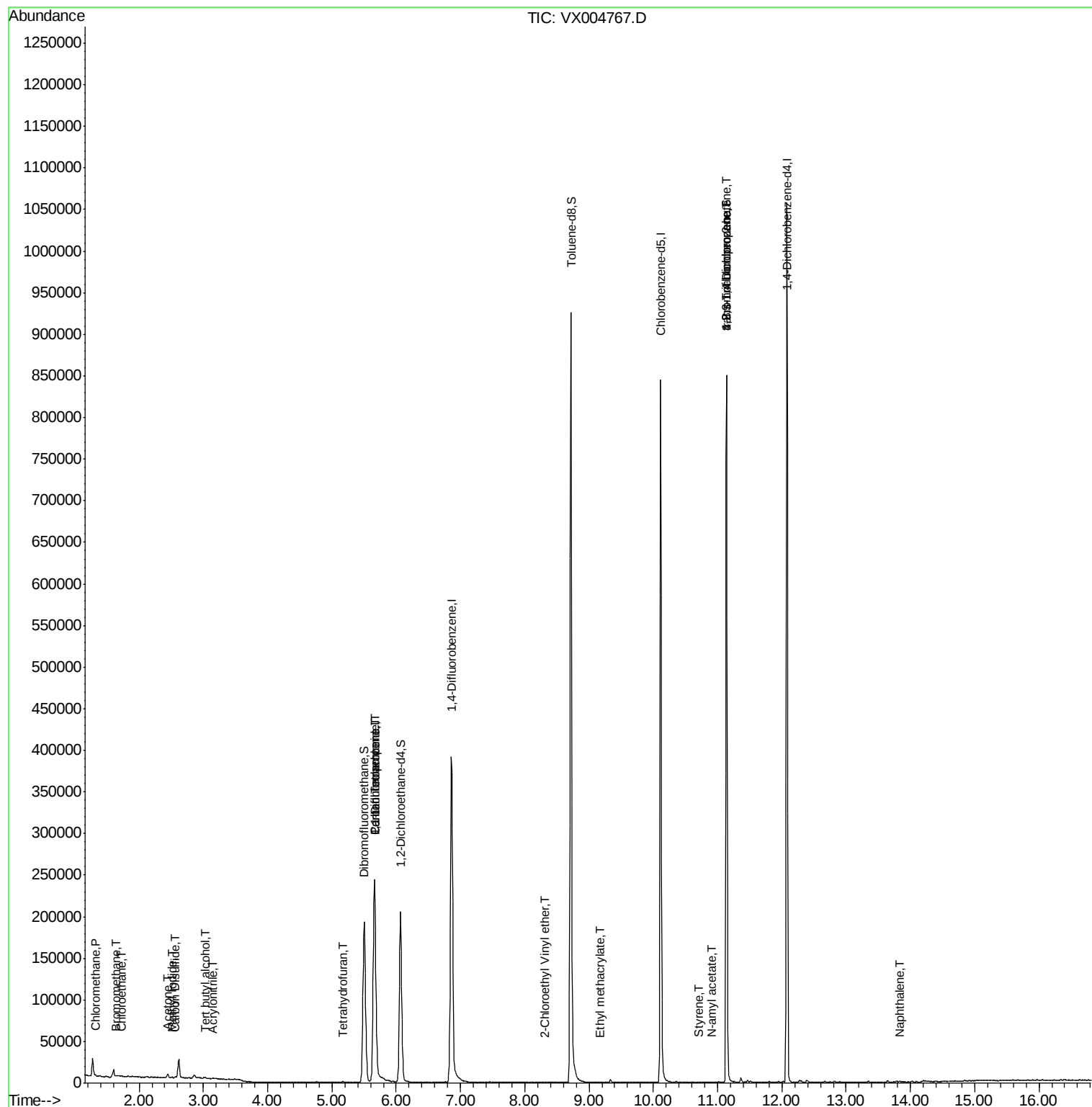
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	429068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	192500	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.50	113	163760	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
50) Toluene-d8	8.72	98	613437	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.14	95	218852	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1002	0.225	ug/l	100
5) Bromomethane	1.64	94	661	0.267	ug/l	93
6) Chloroethane	1.73	64	6908	0.740	ug/l #	44
10) Methyl Iodide	2.51	142	869	0.220	ug/l #	68
11) Tert butyl alcohol	3.03	59	1574	1.463	ug/l #	72
15) Acrylonitrile	3.14	53	566	0.239	ug/l #	66
16) Acetone	2.45	43	5297	2.358	ug/l	98
17) Carbon Disulfide	2.57	76	1840	0.210	ug/l #	87
20) Methylene Chloride	2.86	84	1716	Below Cal	#	89
29) Tetrahydrofuran	5.17	42	738	0.359	ug/l #	58
36) 1,1-Dichloropropene	5.67	75	17644	3.556	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23456	4.498	ug/l #	15
56) Ethyl methacrylate	9.18	69	28	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	50	14.257	ug/l #	45
70) Styrene	10.71	104	194	2.157	ug/l #	68
74) N-amyl acetate	10.90	43	242	1.778	ug/l #	51
76) 1,2,3-Trichloropropane	11.14	75	106959	21.458	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	337	Below Cal		81
81) trans-1,4-Dichloro-2-buten	11.14	75	106959	58.184	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	463	Below Cal		80
95) Naphthalene	13.83	128	923	0.769	ug/l #	80

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

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Quant Title : SW846 8260
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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: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

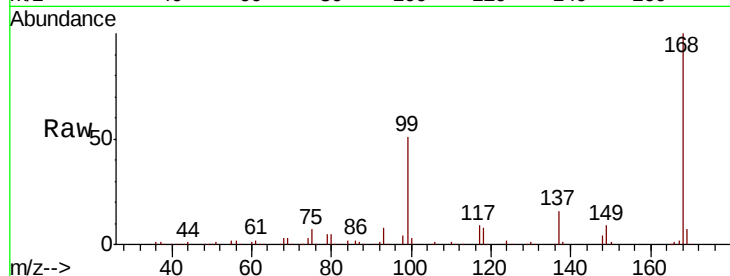
TB-1-SEP18

Tot Ion:168 Resp: 269347

Ion Ratio Lower Upper

168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

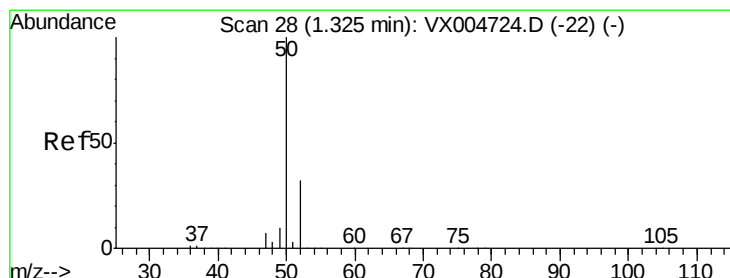
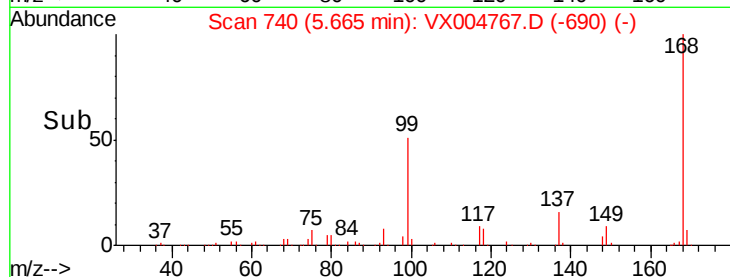
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004767.D

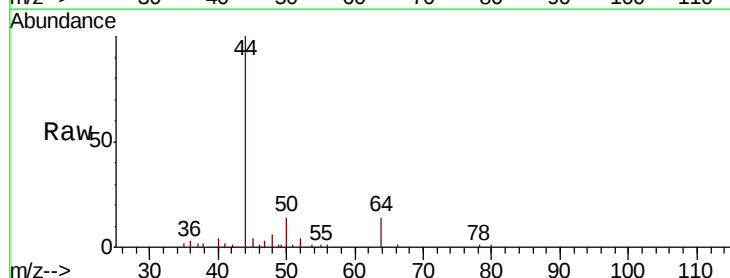
Acq: 27 Sep 2018 12:09

Tgt Ion: 50 Resp: 1002

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

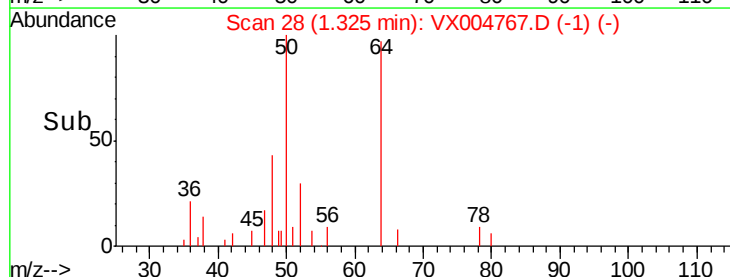
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.267 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

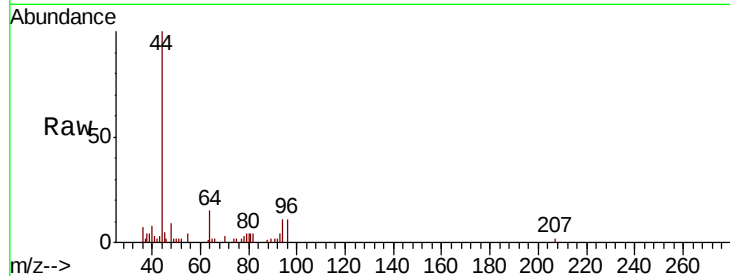
TB-1-SEP18

Tot Ion: 94 Resp: 661

Ion Ratio Lower Upper

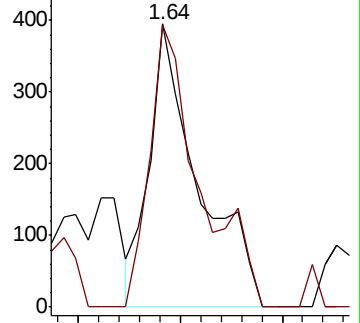
94 100

96 99.7 74.5 111.7

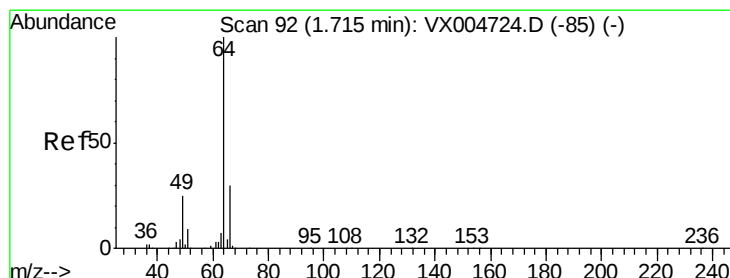
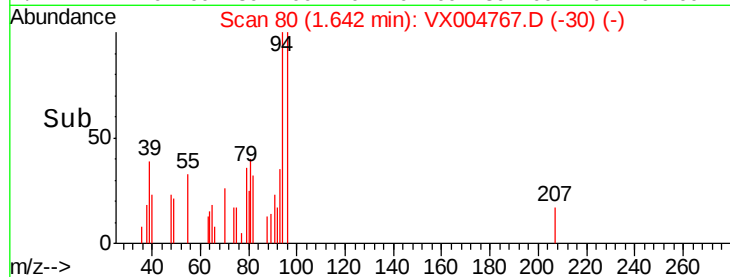


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.740 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004767.D

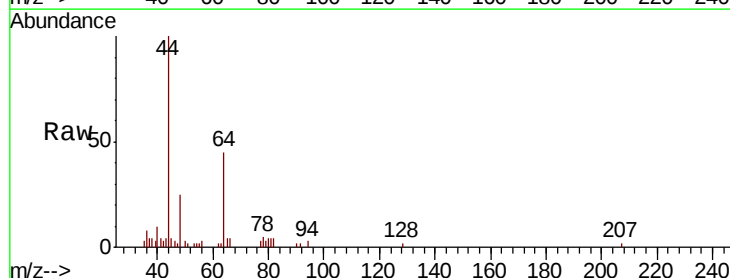
Acq: 27 Sep 2018 12:09

Tgt Ion: 64 Resp: 6908

Ion Ratio Lower Upper

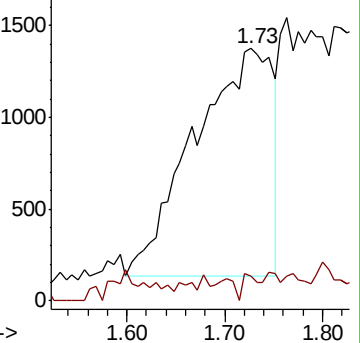
64 100

66 0.0 24.6 36.8#

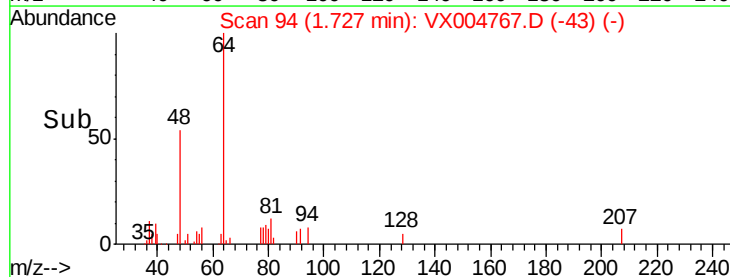


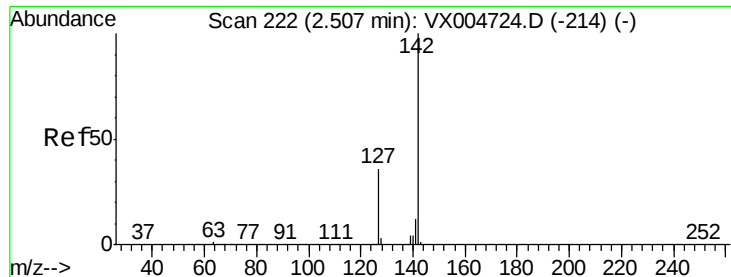
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

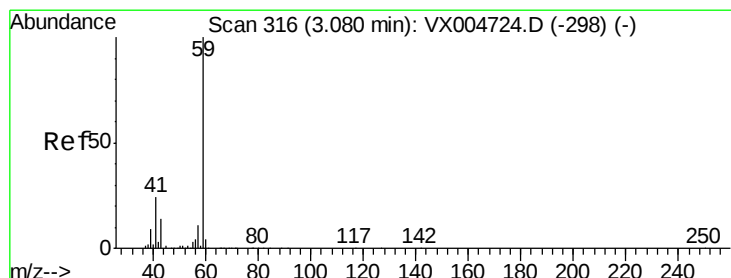
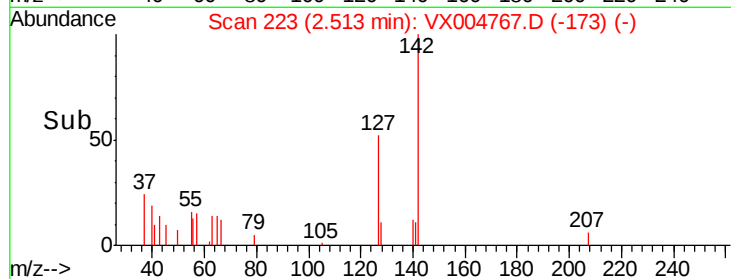
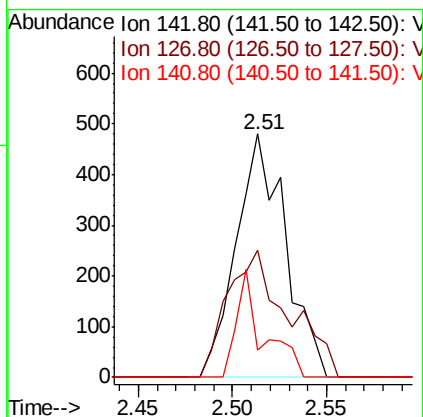
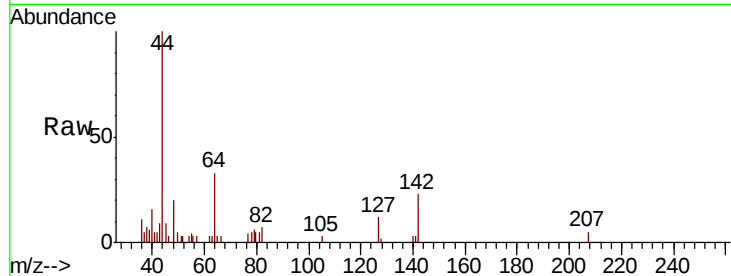




#10
Methvl Iodide
Concen: 0.220 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

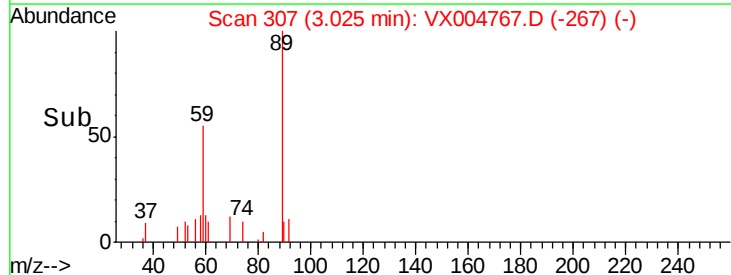
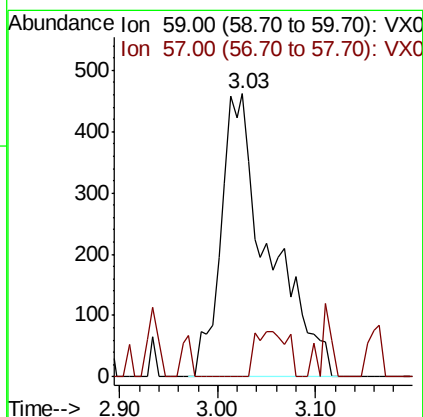
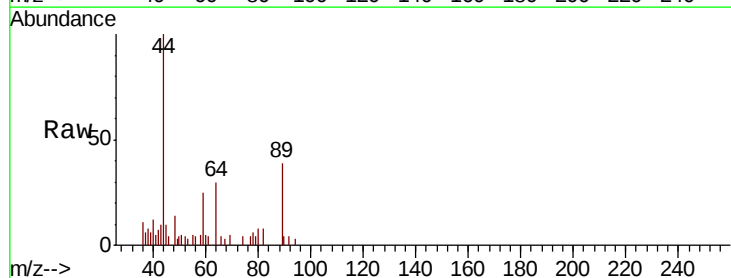
Instrument :
MSVOA_X
ClientSampleId :
TB-1-SEP18

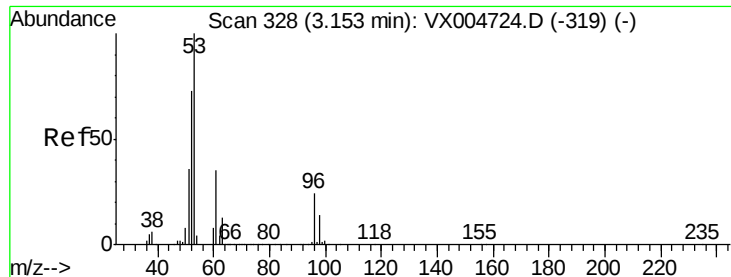
Tot Ion:142 Resp: 869
Ion Ratio Lower Upper
142 100
127 64.2 33.8 50.6#
141 23.7 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.463 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

Tgt Ion: 59 Resp: 1574
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#15

Acrylonitrile

Concen: 0.239 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampled :

TB-1-SEP18

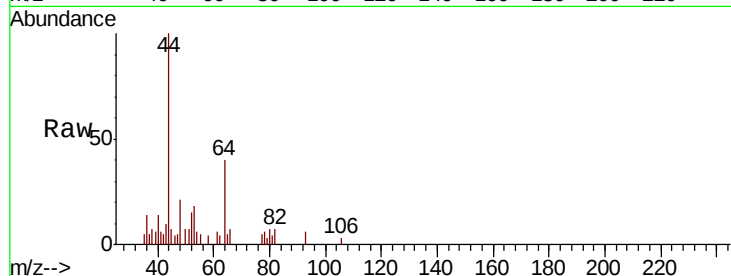
Tot Ion: 53 Resp: 566

Ion Ratio Lower Upper

53 100

52 108.8 65.2 97.8#

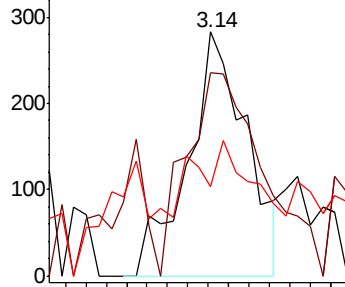
51 10.6 28.2 42.2#



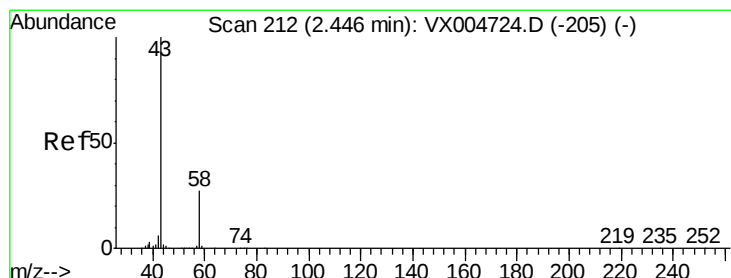
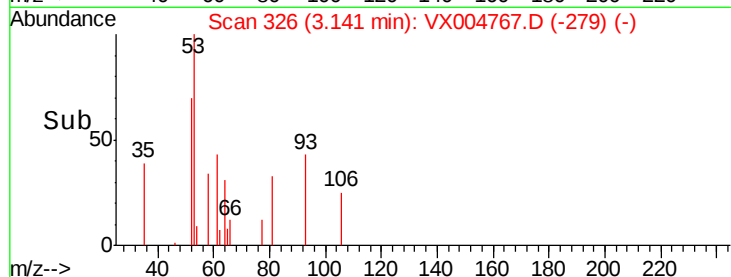
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 2.358 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004767.D

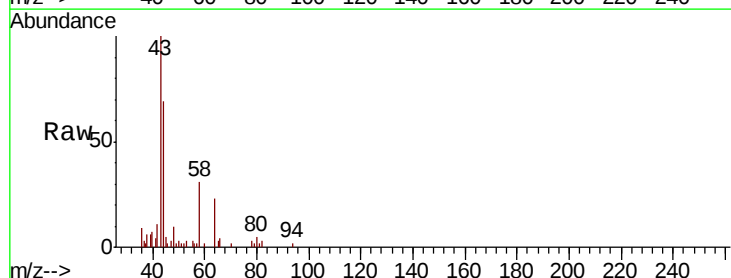
Acq: 27 Sep 2018 12:09

Tgt Ion: 43 Resp: 5297

Ion Ratio Lower Upper

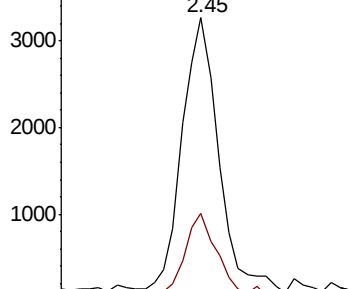
43 100

58 31.8 26.2 39.4

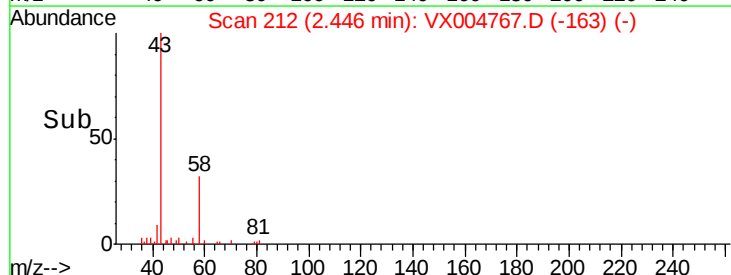


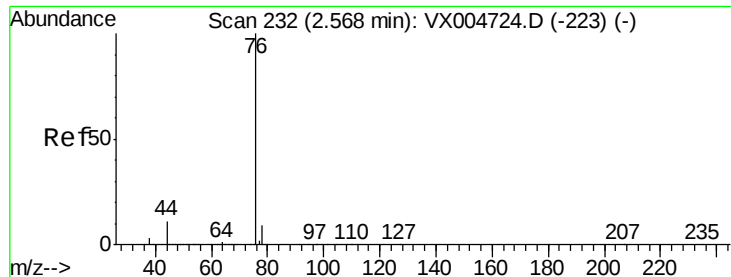
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

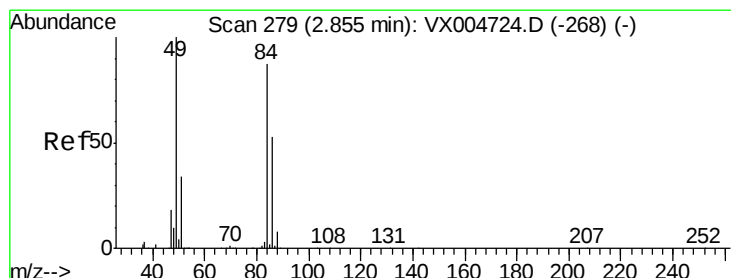
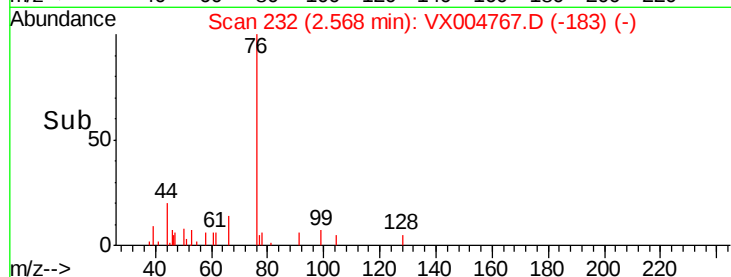
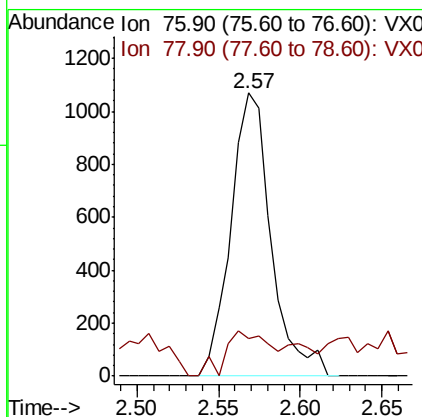
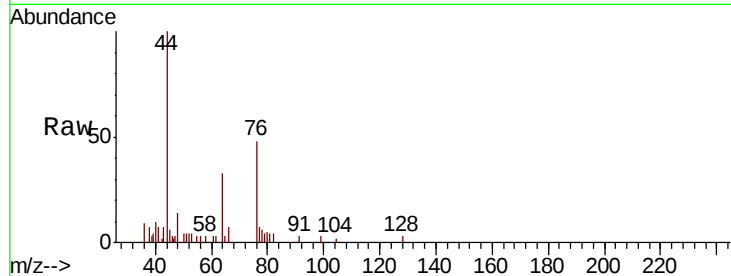




#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

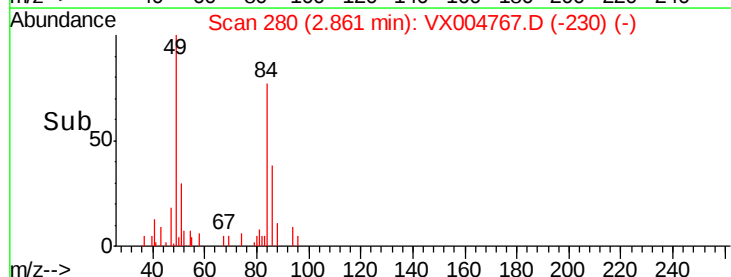
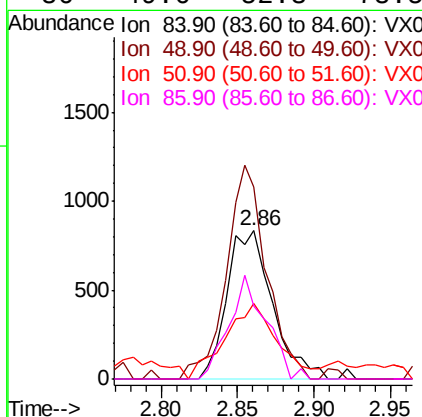
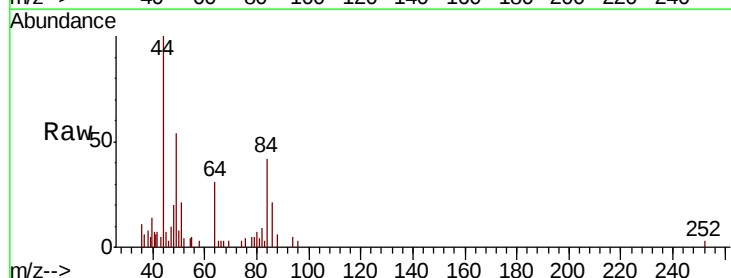
Instrument :
MSVOA_X
ClientSampleId :
TB-1-SEP18

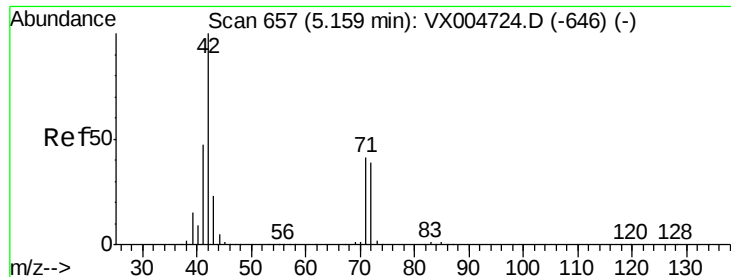
Tot Ion: 76 Resp: 1840
Ion Ratio Lower Upper
76 100
78 13.5 7.0 10.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

Tgt Ion: 84 Resp: 1716
Ion Ratio Lower Upper
84 100
49 123.6 101.2 151.8
51 51.2 29.5 44.3#
86 49.6 52.3 78.5#





#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

TB-1-SEP18

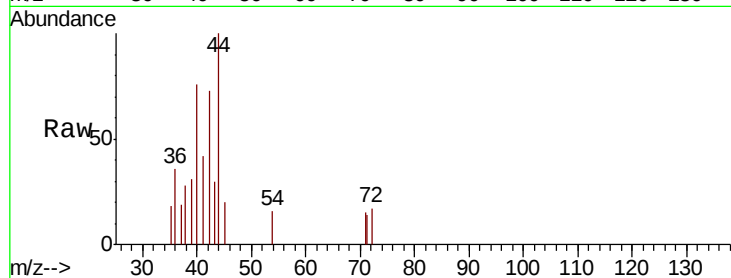
Tot Ion: 42 Resp: 738

Ion Ratio Lower Upper

42 100

72 24.9 37.4 56.0#

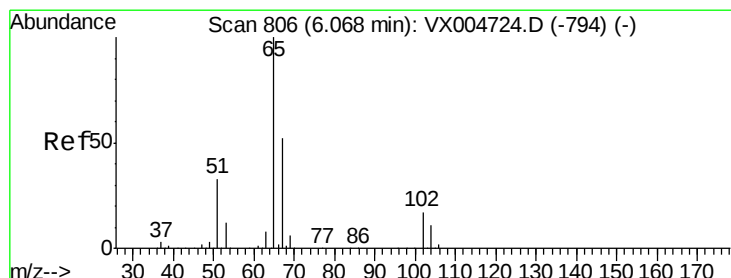
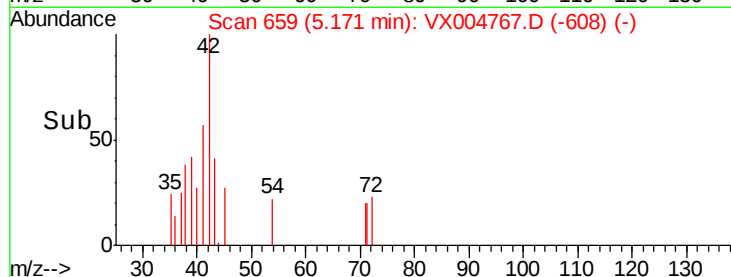
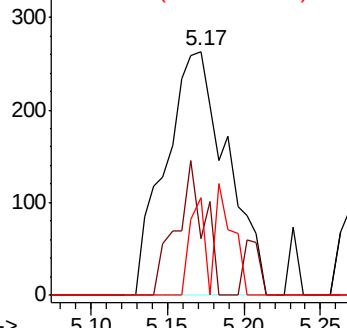
71 9.2 34.5 51.7#



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: 50.031 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004767.D

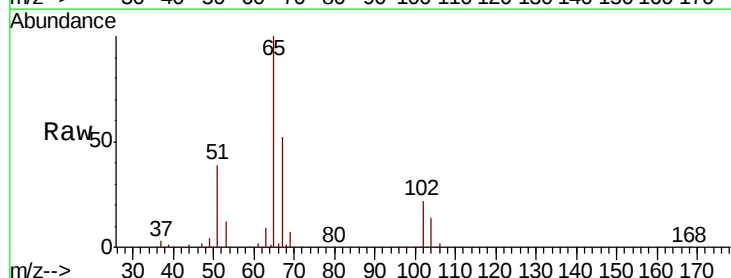
Acq: 27 Sep 2018 12:09

Tgt Ion: 65 Resp: 192500

Ion Ratio Lower Upper

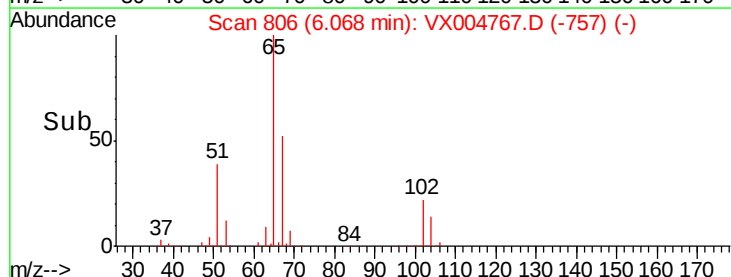
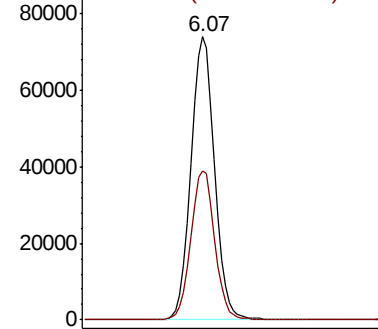
65 100

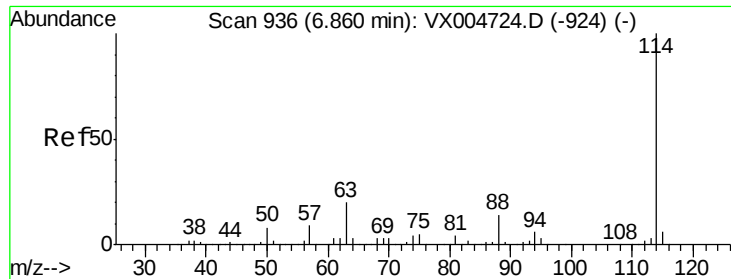
67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

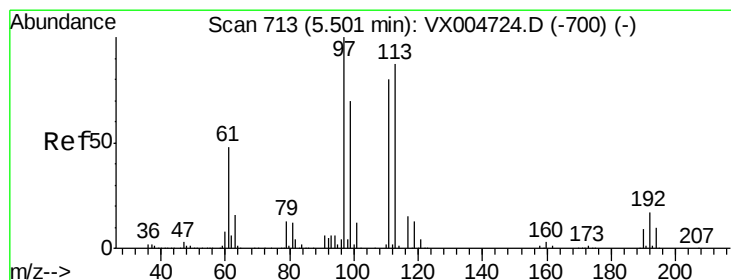
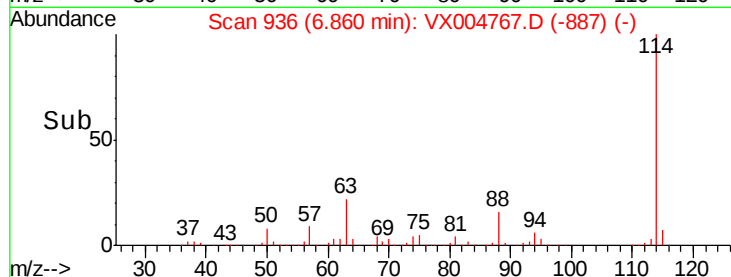
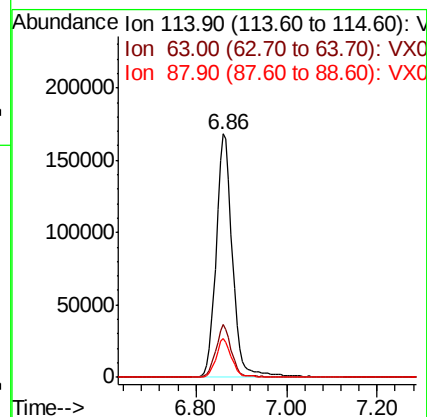
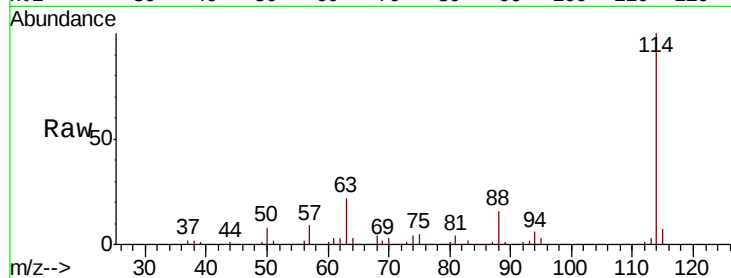




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

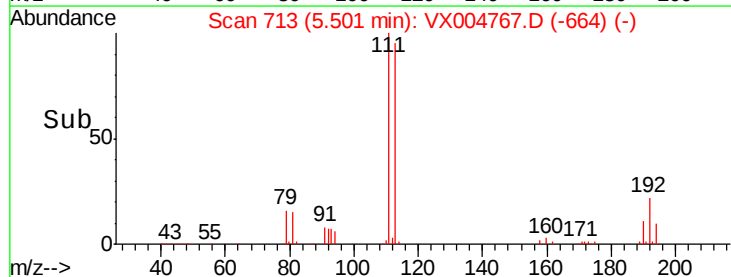
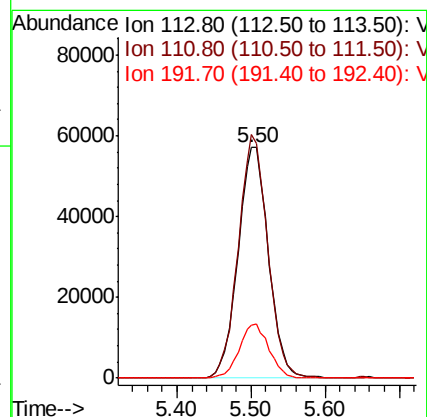
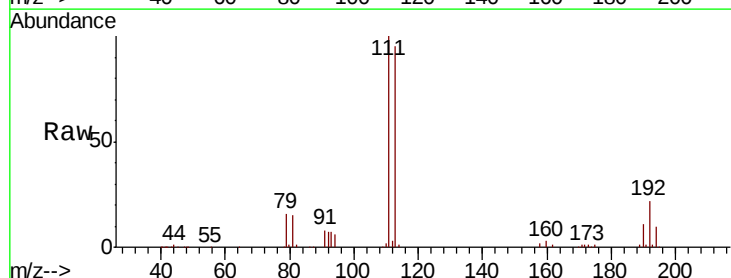
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-SEP18

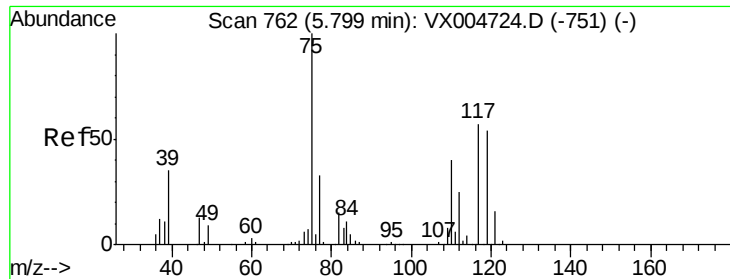
Tot Ion:114 Resp: 429068
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 39.0
 88 16.0 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 45.033 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

Tgt Ion:113 Resp: 163760
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 22.9 19.4 29.2

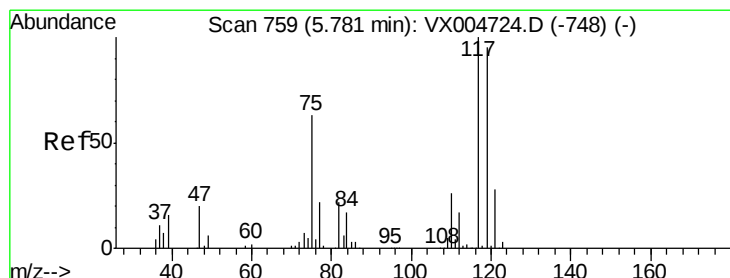
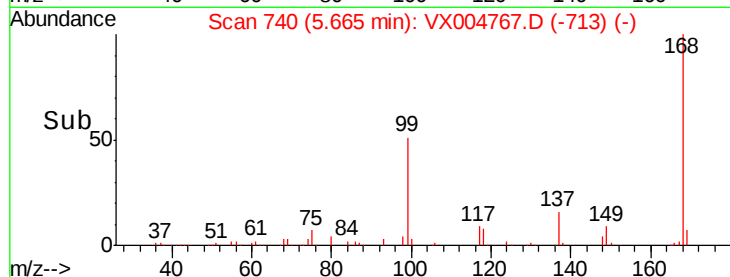
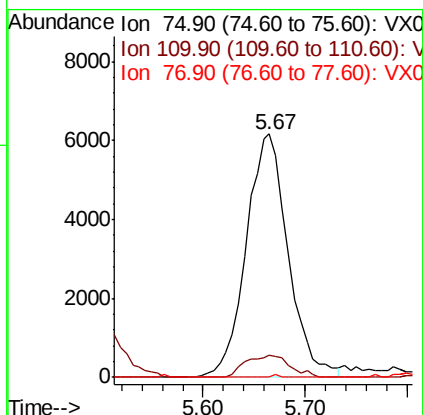
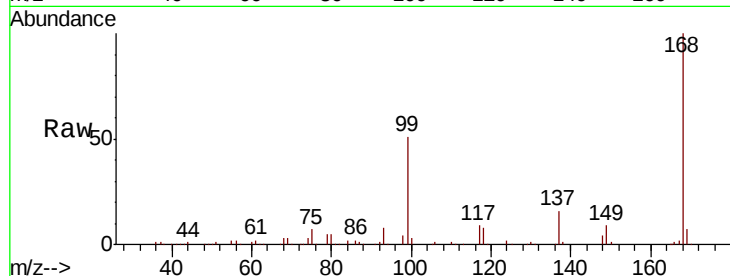




#36
 1,1-Dichloropropene
 Concen: 3.556 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

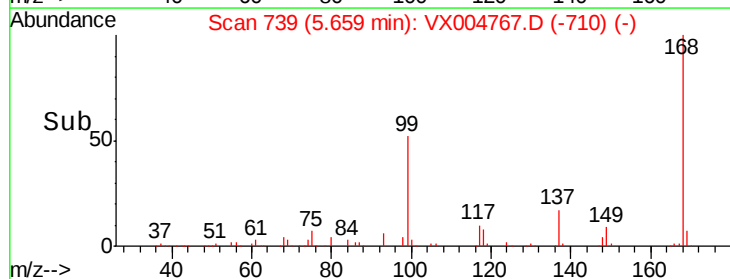
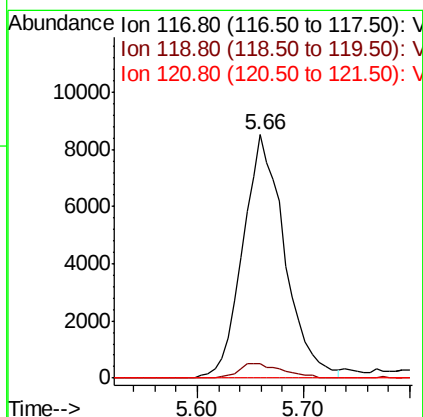
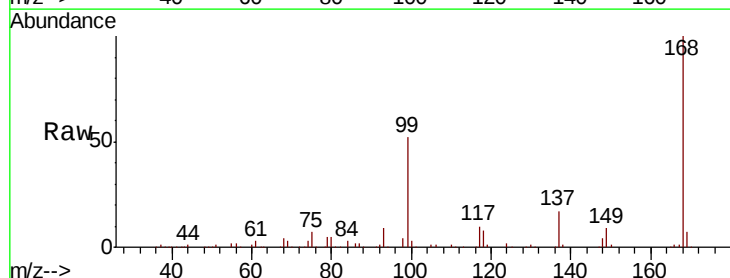
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-SEP18

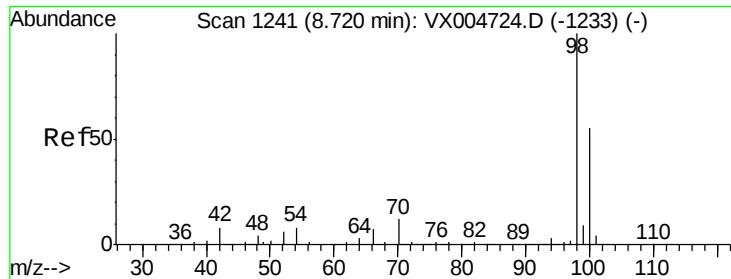
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.0	54.0#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 4.498 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 50.743 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

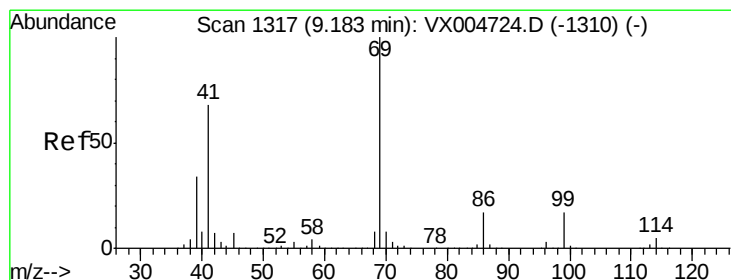
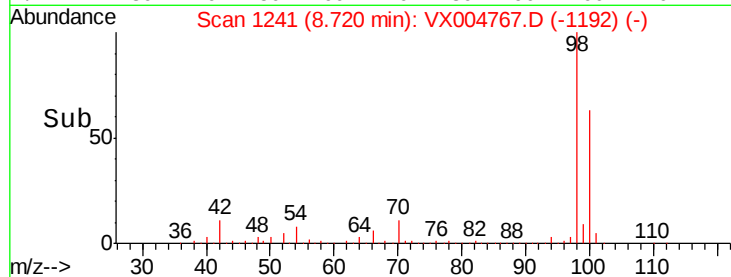
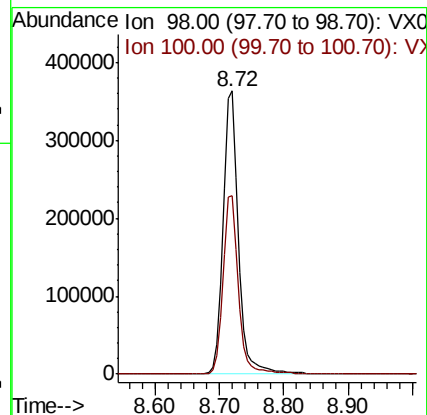
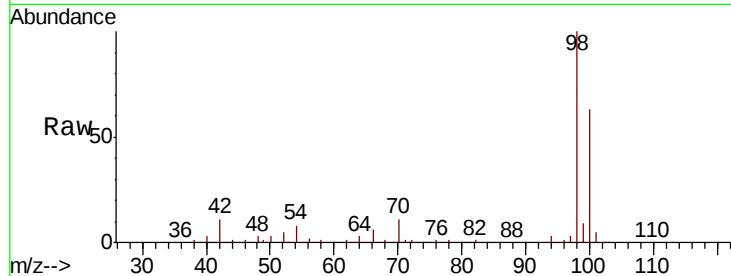
TB-1-SEP18

Tot Ion: 98 Resp: 613437

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

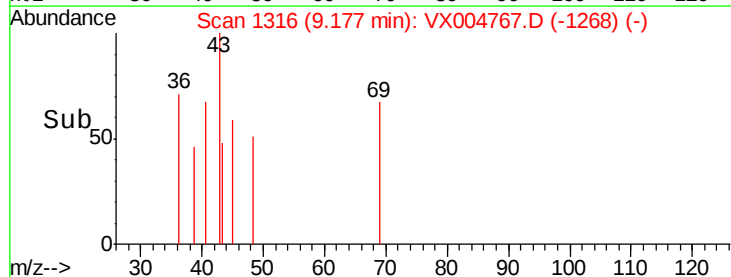
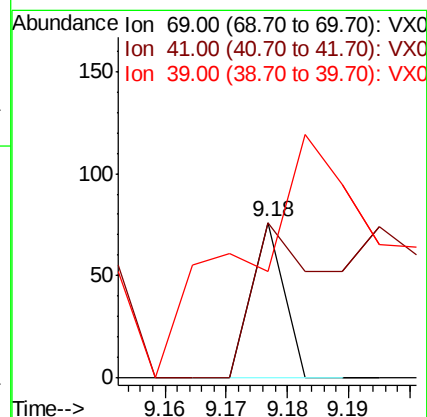
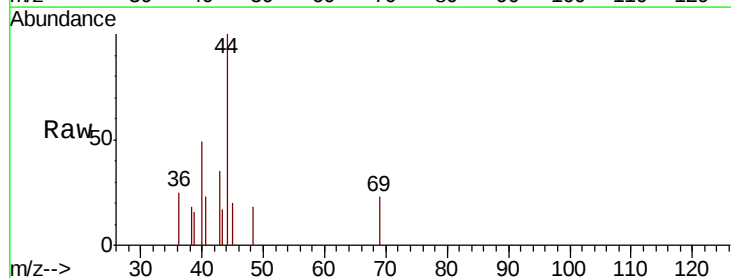
Tgt Ion: 69 Resp: 28

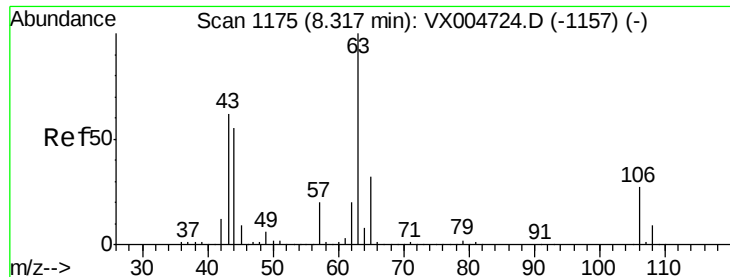
Ion Ratio Lower Upper

69 100

41 167.9 51.0 76.4#

39 735.7 26.1 39.1#





#58

2-Chloroethyl Vinyl ether

Concen: 14.257 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

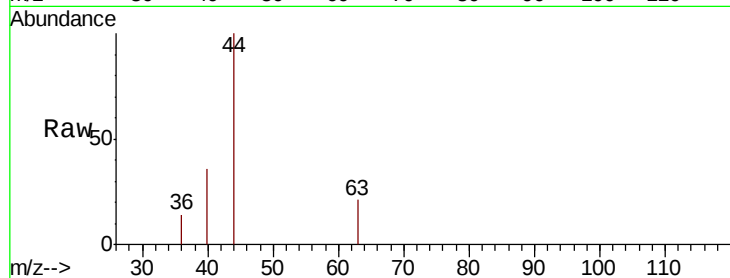
TB-1-SEP18

Tot Ion: 63 Resp: 50

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



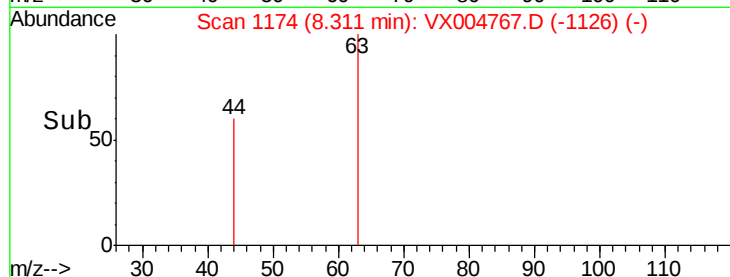
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

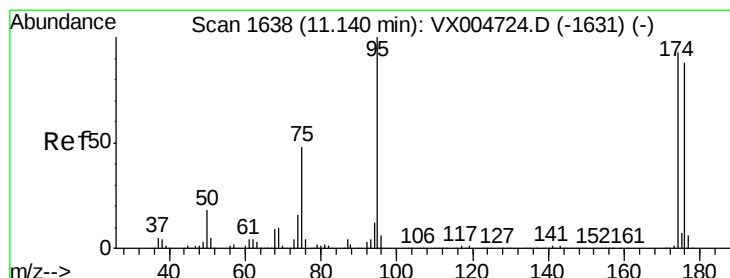
8.31

8.32

8.34



Time-->



#62

4-Bromofluorobenzene

Concen: 50.251 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

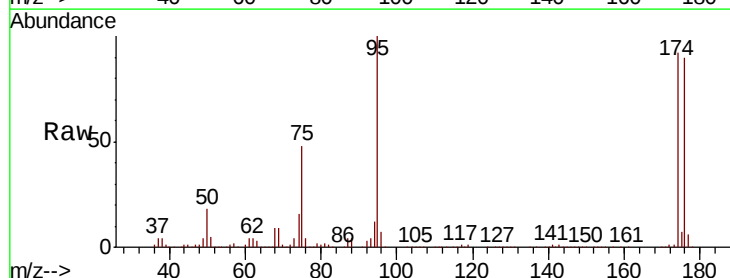
Tgt Ion: 95 Resp: 218852

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

176 88.2 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

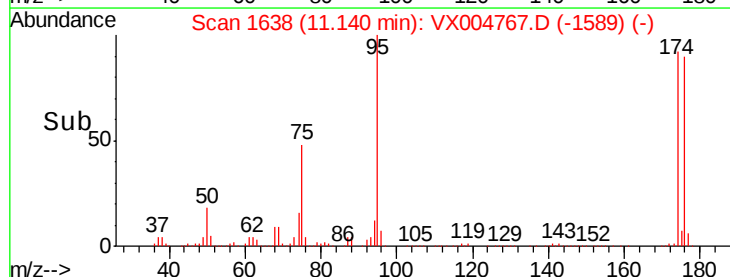
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

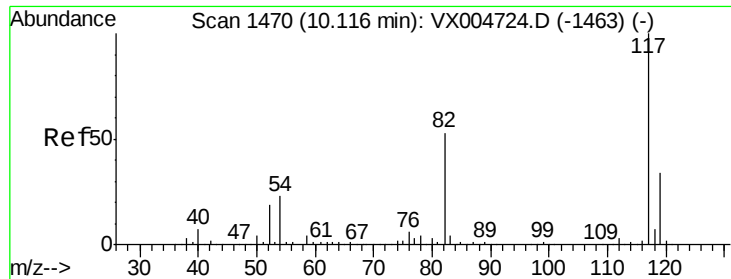
11.14

11.20

11.30



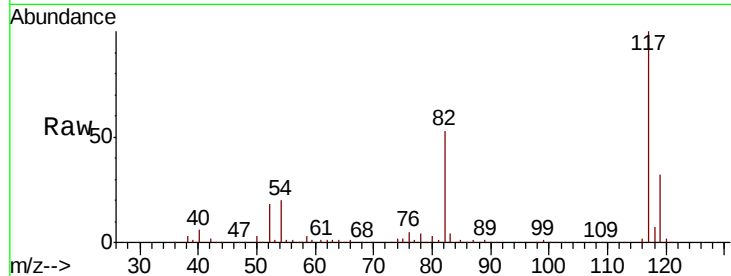
Time-->



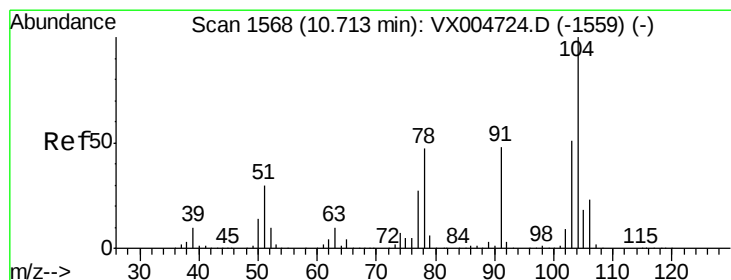
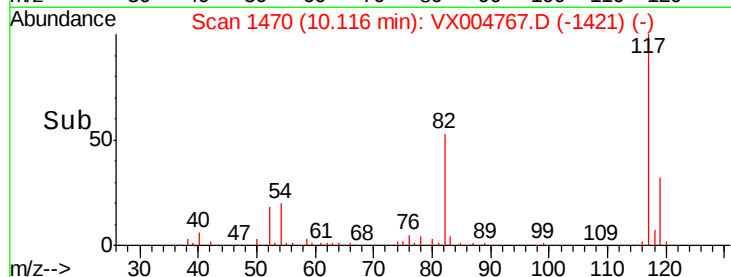
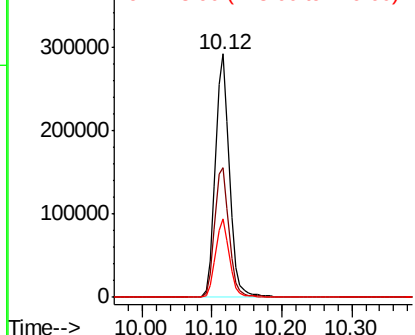
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
TB-1-SEP18

Tot Ion:117 Resp: 409001
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 32.3 29.3 43.9

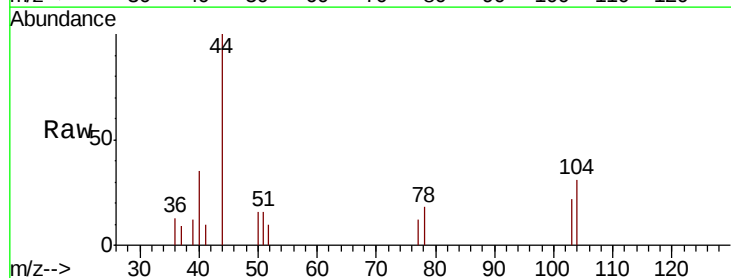


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

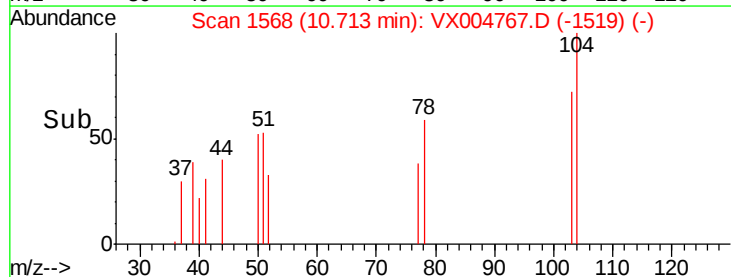
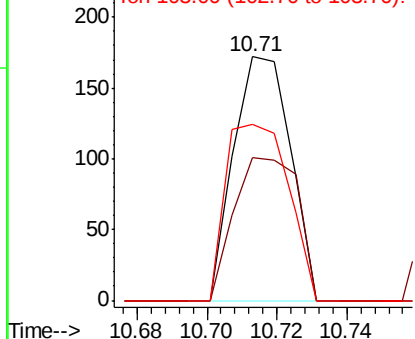


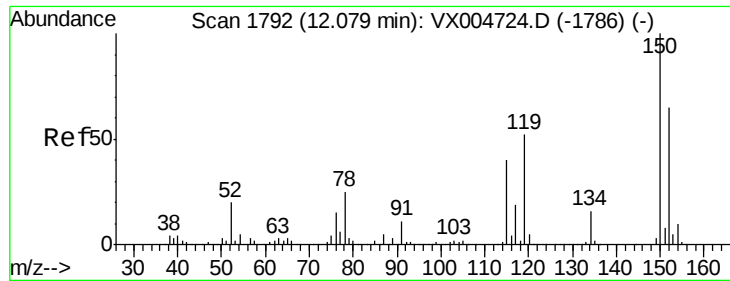
#70
Styrene
Concen: 2.157 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004767.D
Acq: 27 Sep 2018 12:09

Tgt Ion:104 Resp: 194
Ion Ratio Lower Upper
104 100
78 66.0 37.4 56.0#
103 79.9 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: VX004767.D

Acq: 27 Sep 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

TB-1-SEP18

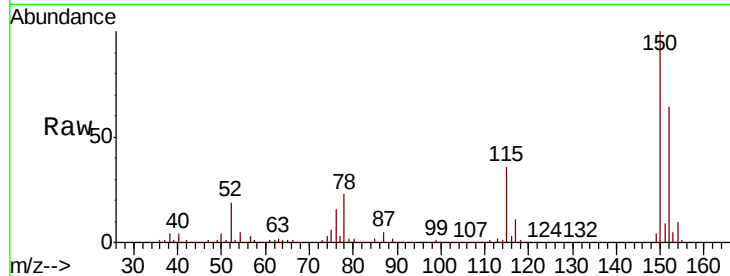
Tot Ion:152 Resp: 222395

Ion Ratio Lower Upper

152 100

115 55.6 39.0 117.0

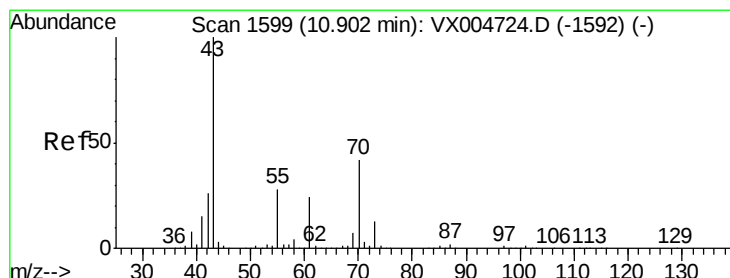
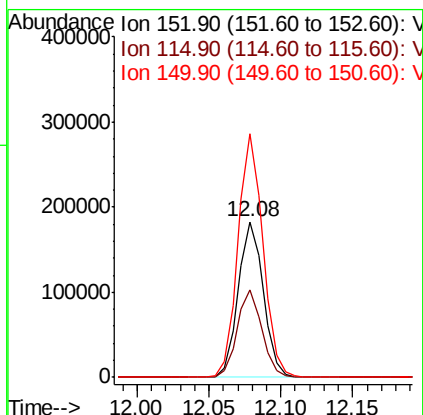
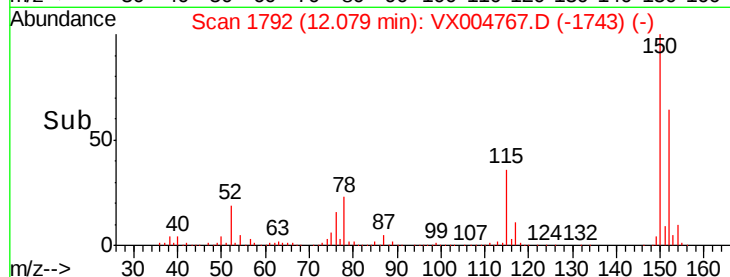
150 155.7 0.0 351.0



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: 1.778 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004767.D

Acq: 27 Sep 2018 12:09

Tgt Ion: 43 Resp: 242

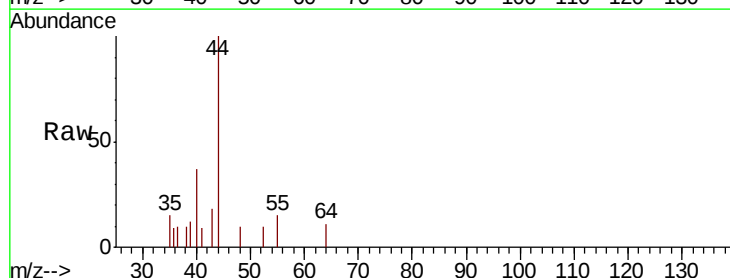
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 22.3 21.8 32.8

61 0.0 20.6 30.8#

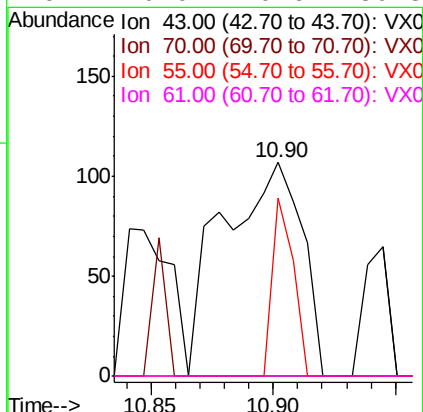
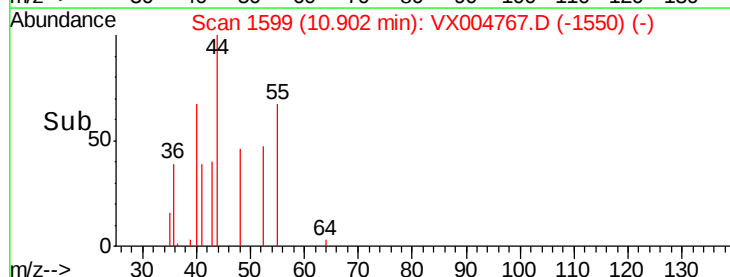


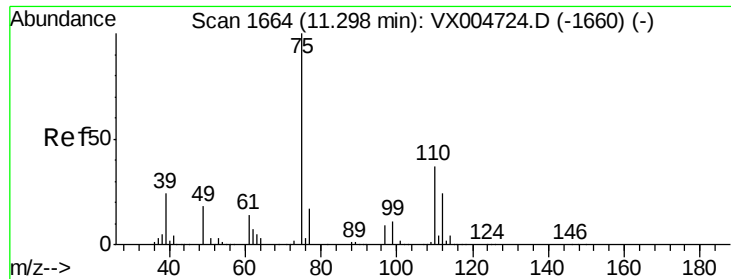
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

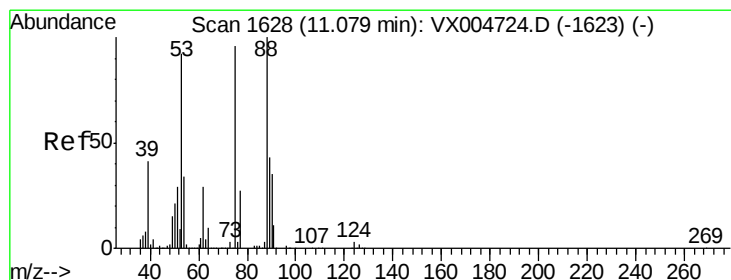
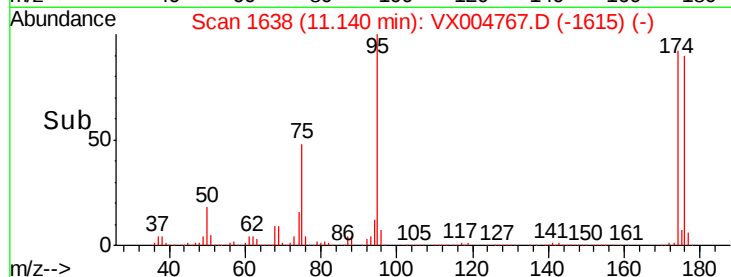
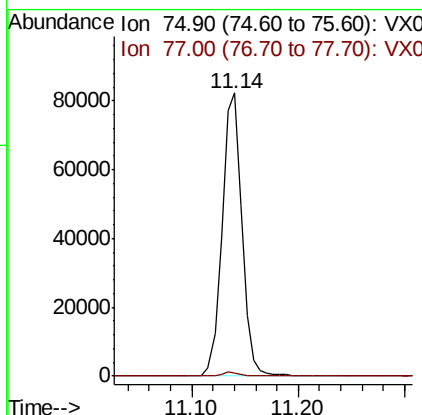
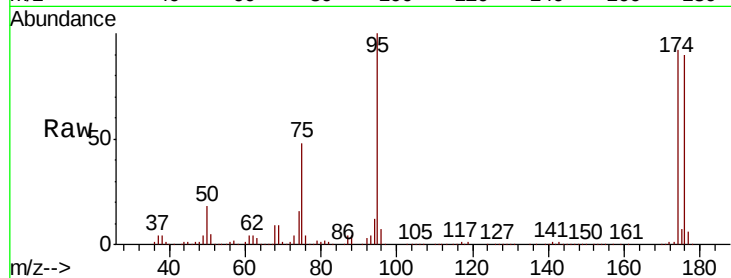




#76
 1,2,3-Trichloropropane
 Concen: 21.458 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

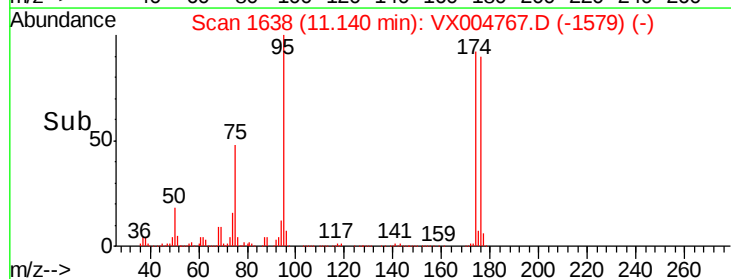
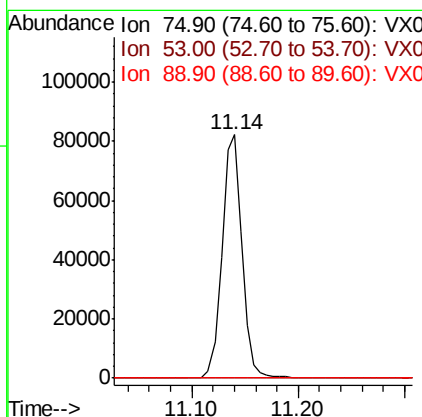
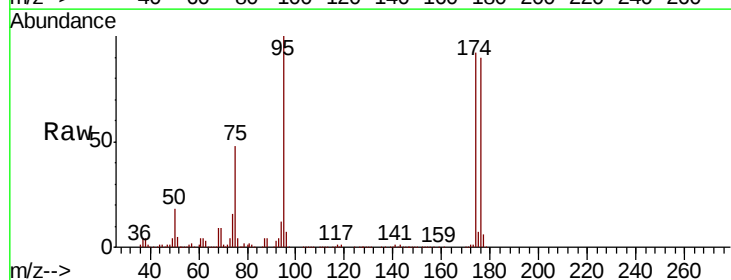
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-SEP18

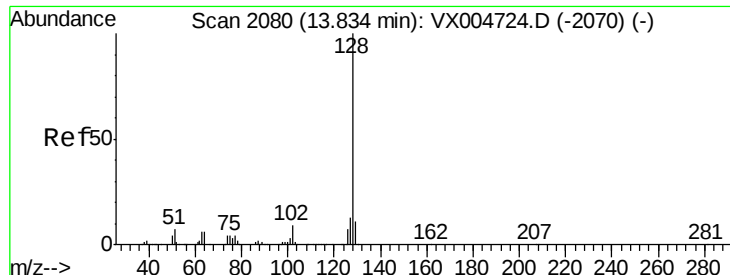
Tot Ion: 75 Resp: 106959
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.184 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

Tgt Ion: 75 Resp: 106959
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 0.769 ug/l
 RT: 13.83 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX004767.D
 Acq: 27 Sep 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1-SEP18

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.0	10.2	15.2#
129	0.0	8.6	12.8#

