

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005093.D
 Acq On : 06 Oct 2018 04:12
 Operator : JC/MD
 Sample : VX1005WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBL02

Quant Time: Oct 06 06:41:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

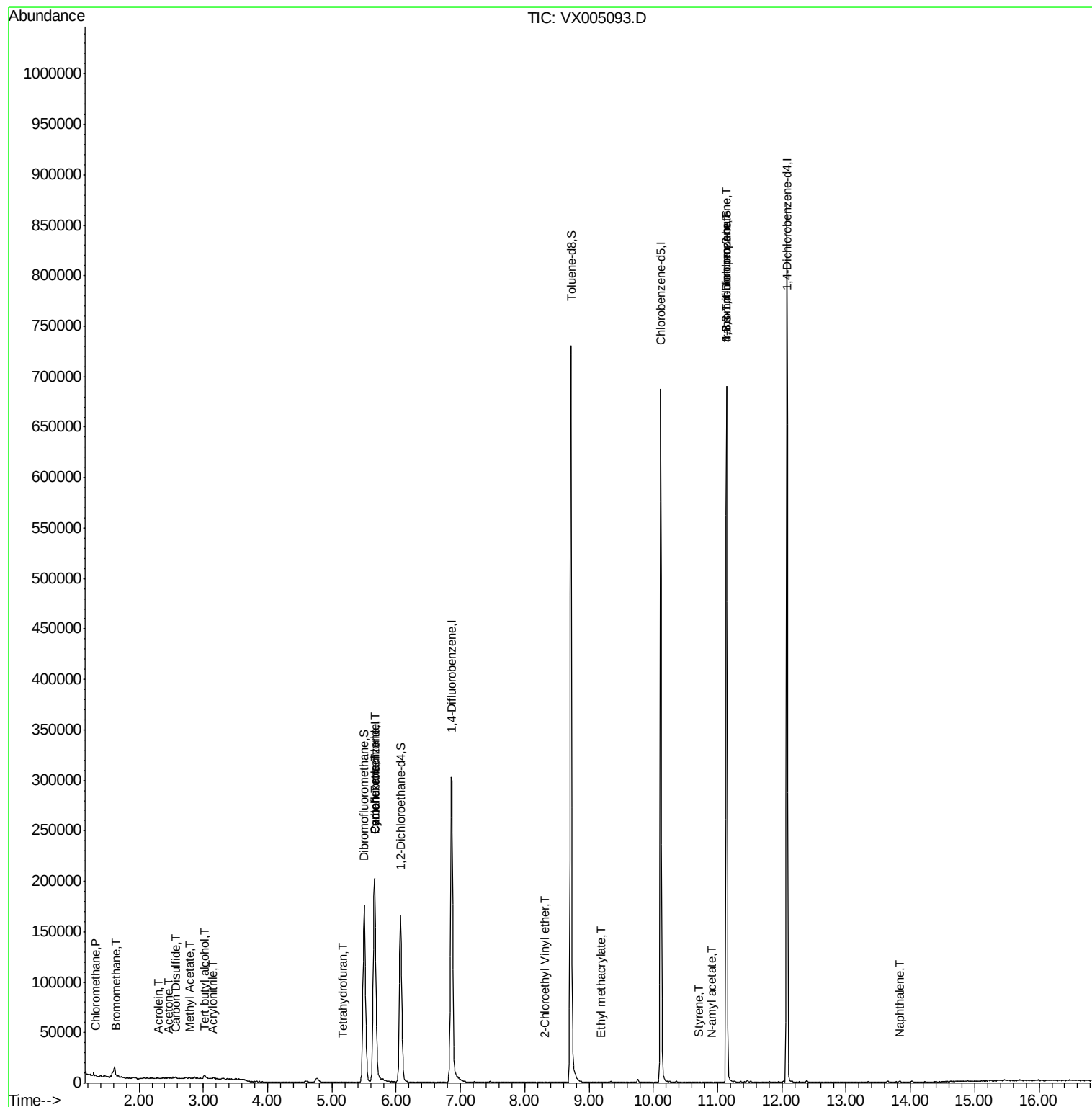
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	322909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	317452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179937	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	163363	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	5.50	113	146358	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
50) Toluene-d8	8.72	98	465539	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	167841	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	739	0.207	ug/l	99
5) Bromomethane	1.64	94	1066	0.536	ug/l #	75
6) Chloroethane	1.73	64	163	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	2363	2.736	ug/l #	85
13) Acrolein	2.30	56	181	0.295	ug/l #	35
15) Acrylonitrile	3.15	53	387	0.204	ug/l #	81
16) Acetone	2.45	43	471	0.261	ug/l	96
17) Carbon Disulfide	2.57	76	1536	0.218	ug/l	99
18) Methyl Acetate	2.78	43	1546	0.338	ug/l	93
20) Methylene Chloride	2.86	84	492	Below Cal	#	90
29) Tetrahydrofuran	5.17	42	452	0.274	ug/l #	57
31) Cyclohexane	5.67	56	4132	1.051	ug/l #	1
38) Carbon Tetrachloride	5.67	117	20245	5.158	ug/l #	17
56) Ethyl methacrylate	9.19	69	19	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	47	14.260	ug/l #	72
70) Styrene	10.71	104	166	2.159	ug/l #	76
74) N-amyl acetate	10.90	43	103	1.764	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	84040	20.838	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	387	Below Cal		96
81) trans-1,4-Dichloro-2-buten	11.14	75	84040	56.561	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	432	Below Cal		87
95) Naphthalene	13.83	128	733	0.768	ug/l #	90

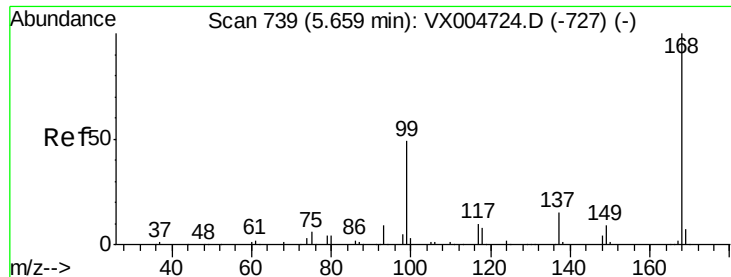
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 06:41:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 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: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

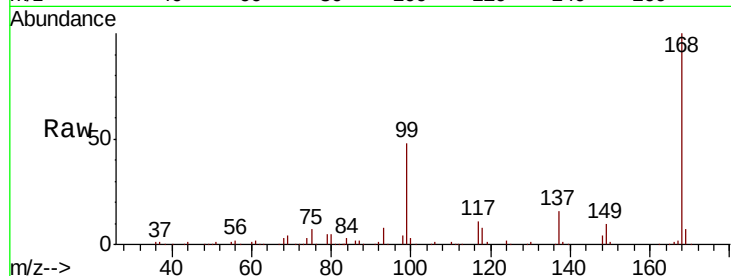
VX1005WBL02

Tot Ion:168 Resp: 216228

Ion Ratio Lower Upper

168 100

99 48.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

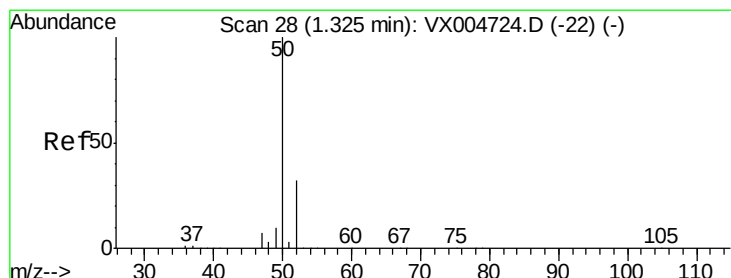
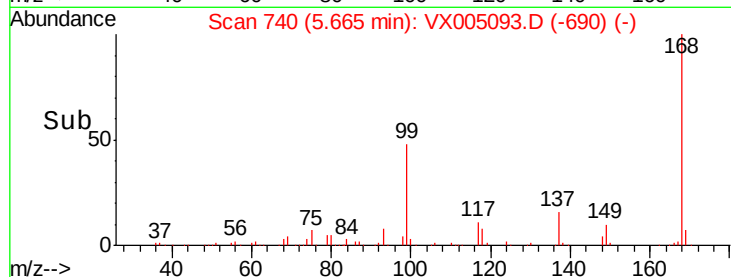
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005093.D

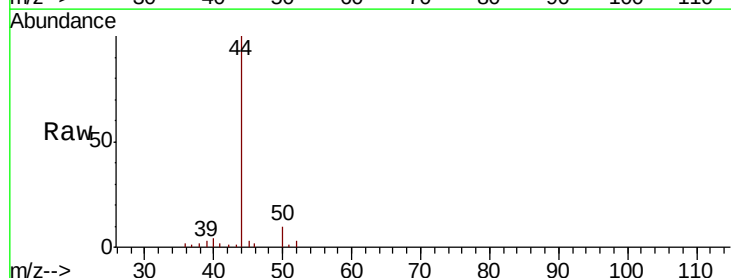
Acq: 06 Oct 2018 04:12

Tgt Ion: 50 Resp: 739

Ion Ratio Lower Upper

50 100

52 31.7 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

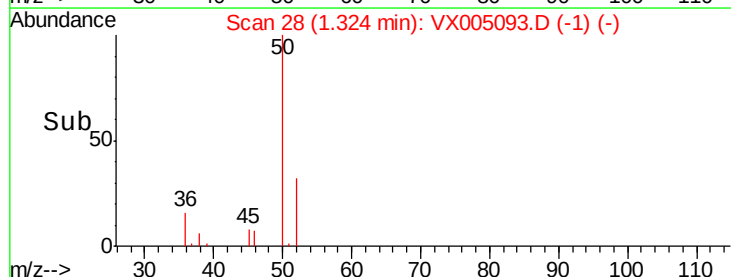
300

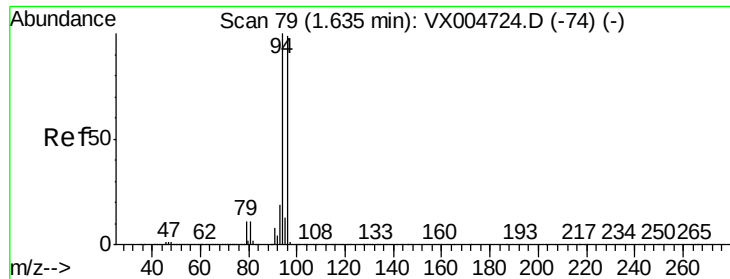
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.536 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

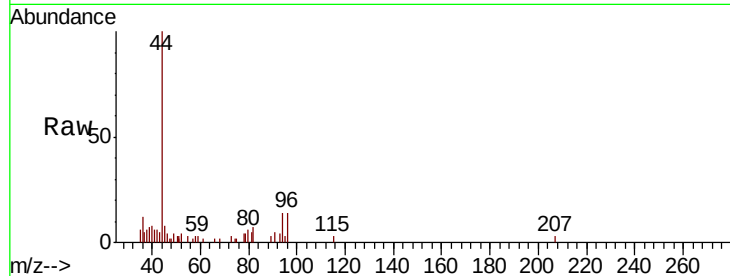
VX1005WBL02

Tot Ion: 94 Resp: 1066

Ion Ratio Lower Upper

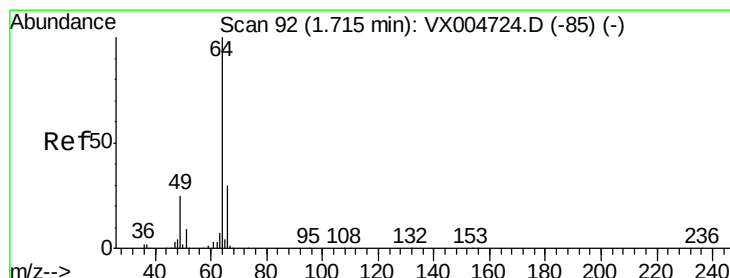
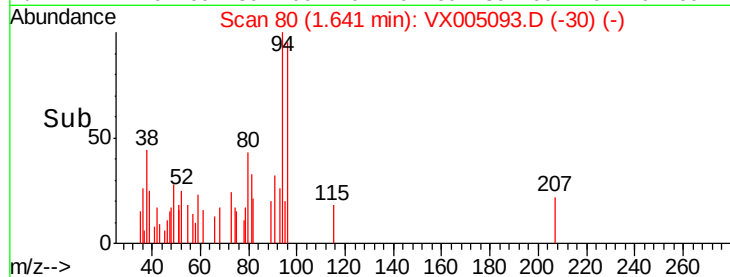
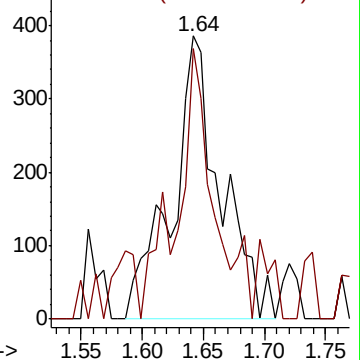
94 100

96 74.4 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005093.D

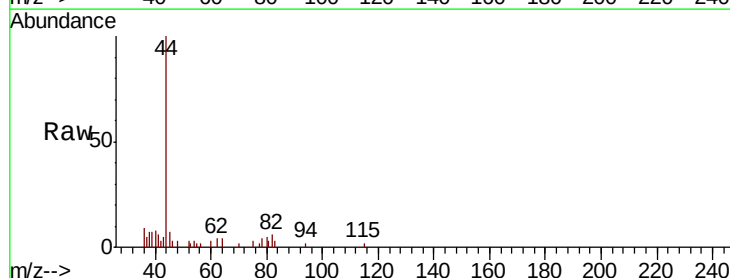
Acq: 06 Oct 2018 04:12

Tgt Ion: 64 Resp: 163

Ion Ratio Lower Upper

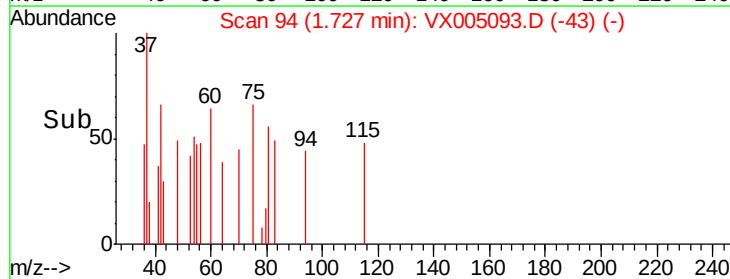
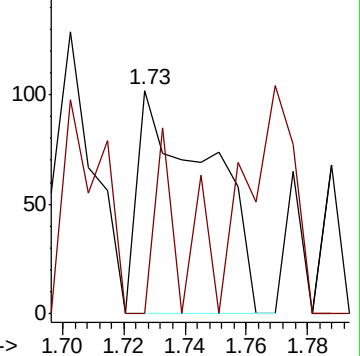
64 100

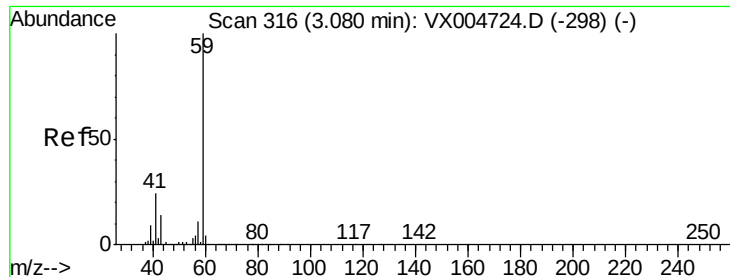
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



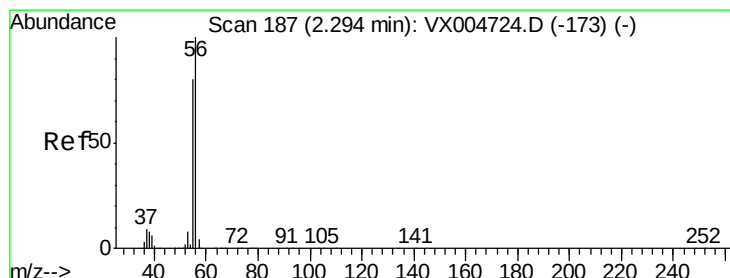
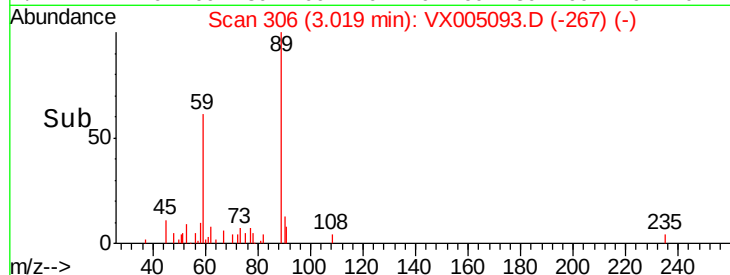
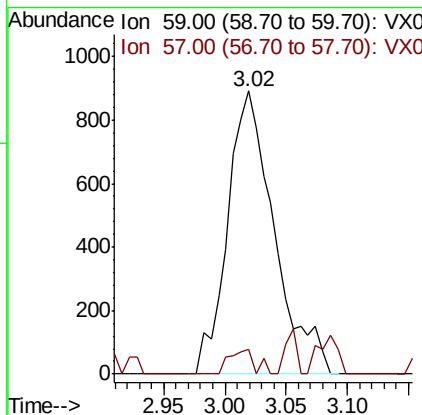
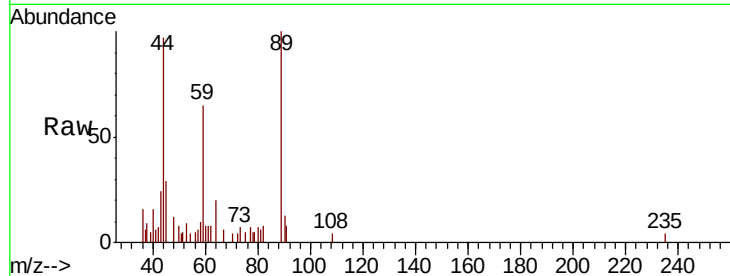


#11

Tert butyl alcohol
 Concen: 2.736 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005093.D
 Acq: 06 Oct 2018 04:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1005WBL02

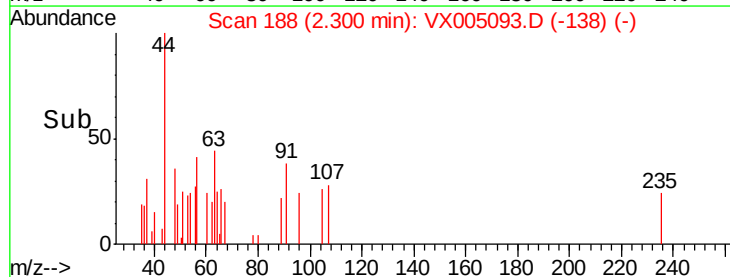
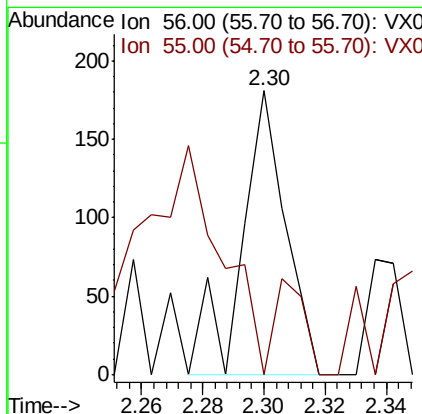
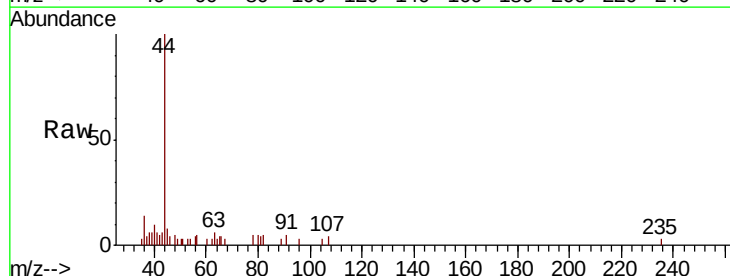
Tot Ion: 59 Resp: 2363
 Ion Ratio Lower Upper
 59 100
 57 4.9 8.6 12.8#

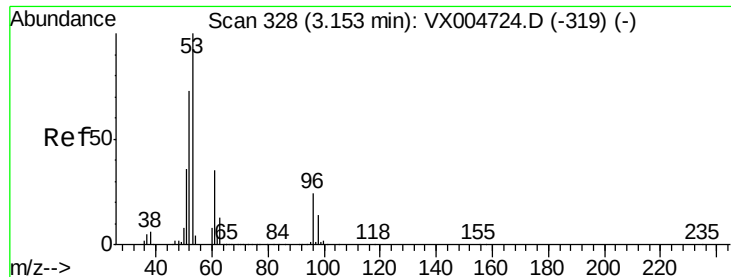


#13

Acrolein
 Concen: 0.295 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005093.D
 Acq: 06 Oct 2018 04:12

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 22.7 63.4 95.2#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBL02

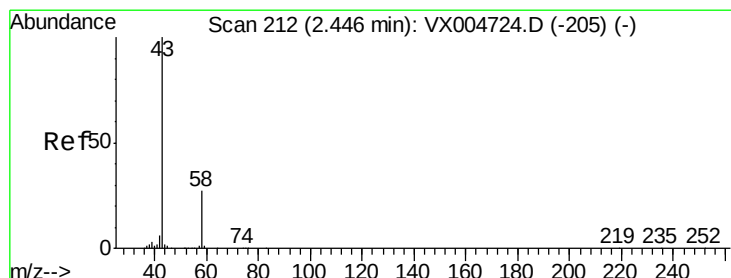
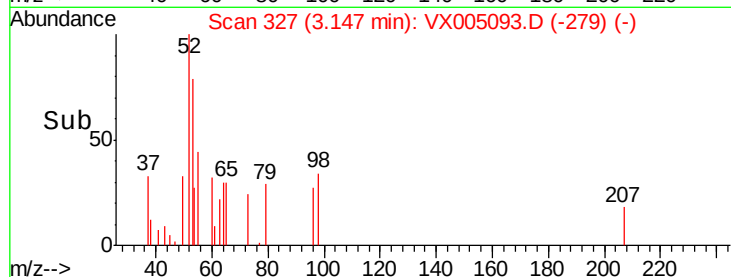
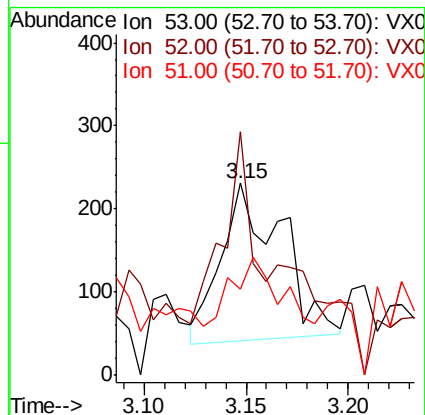
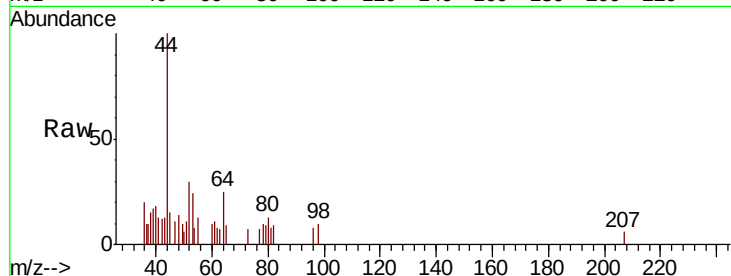
Tot Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 55.8 63.0 94.4#

51 33.9 28.6 42.8



#16

Acetone

Concen: 0.261 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005093.D

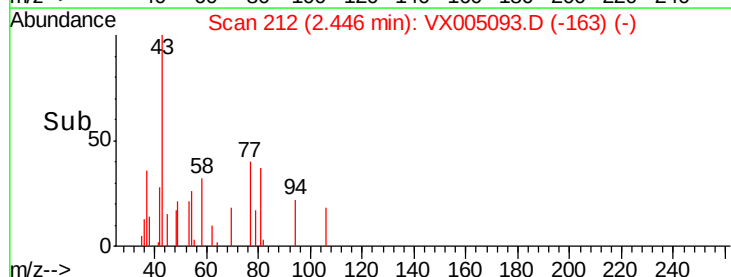
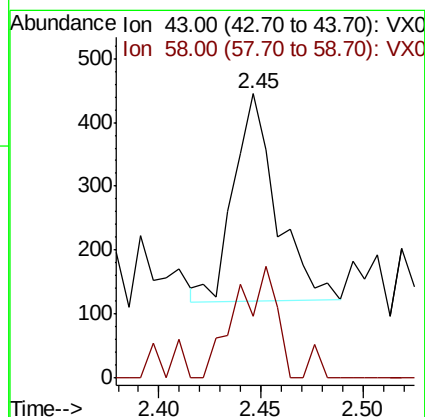
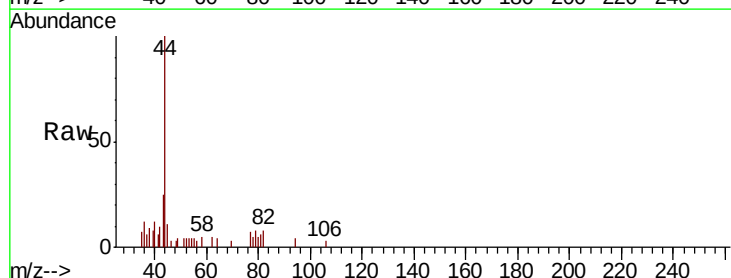
Acq: 06 Oct 2018 04:12

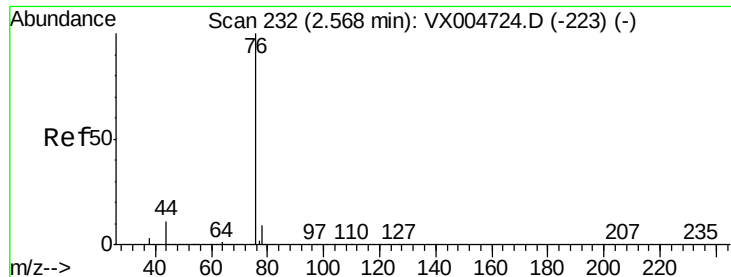
Tgt Ion: 43 Resp: 471

Ion Ratio Lower Upper

43 100

58 29.4 21.8 32.6

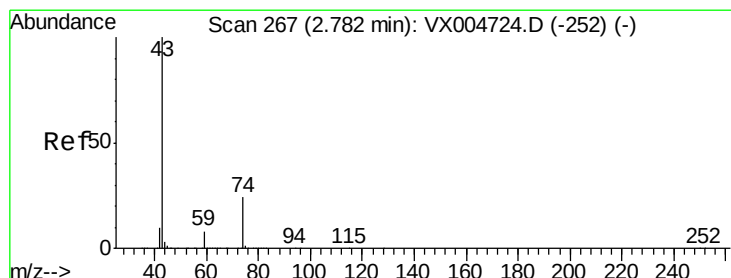
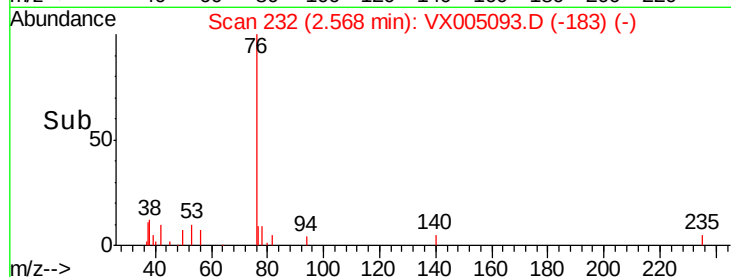
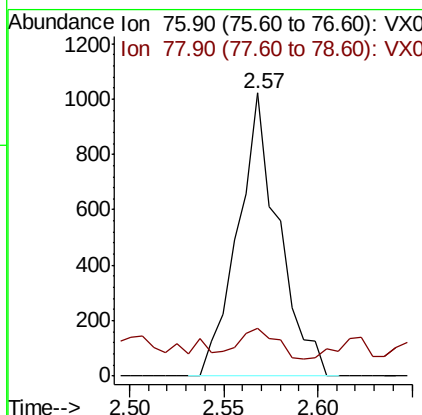
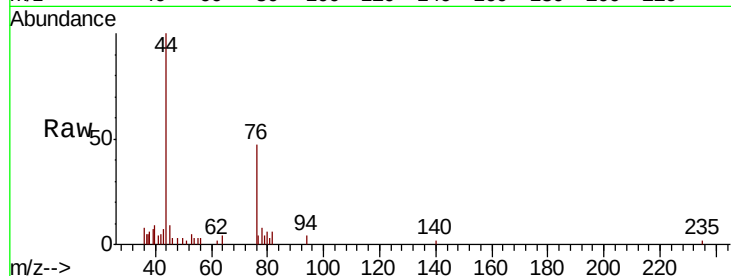




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

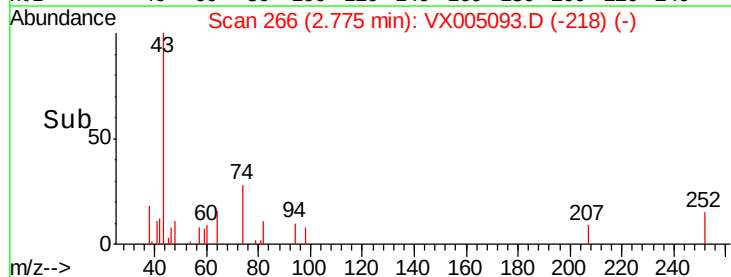
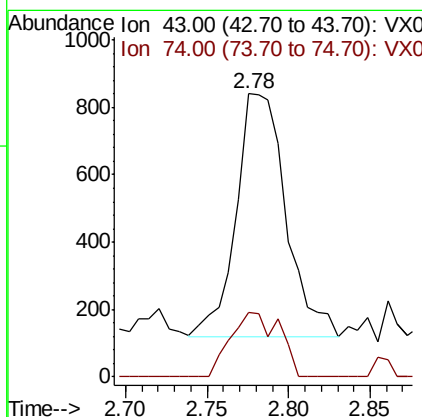
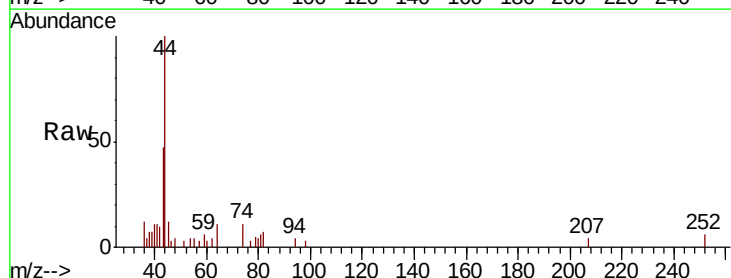
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBL02

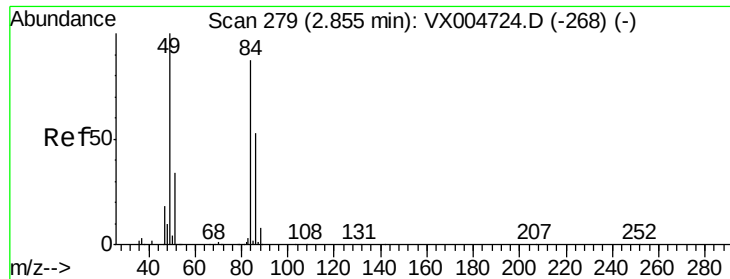
Tot Ion: 76 Resp: 1536
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
74 25.7 17.8 26.8

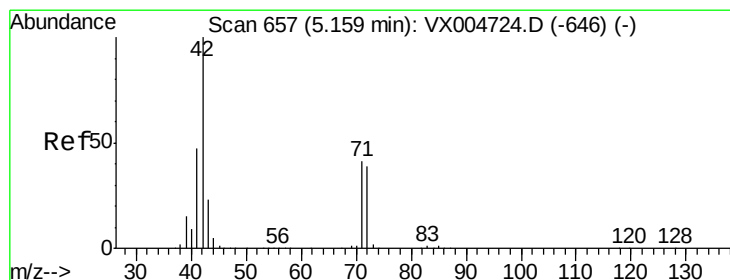
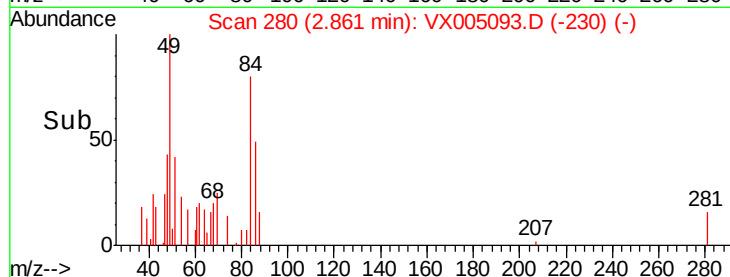
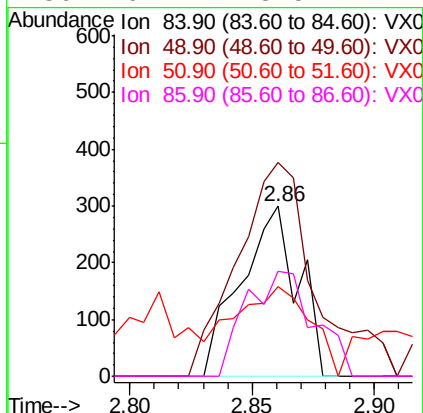
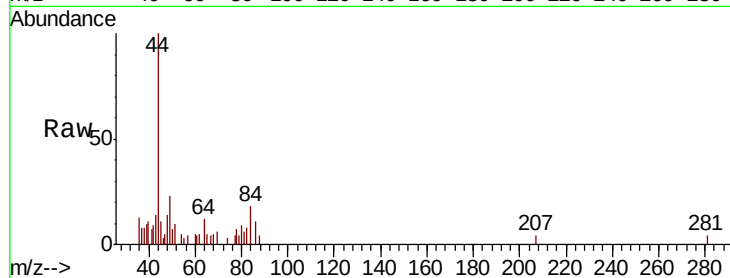




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

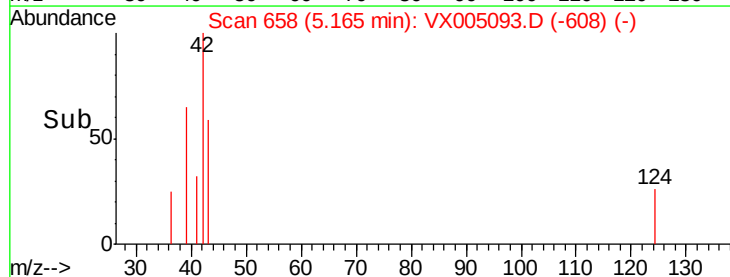
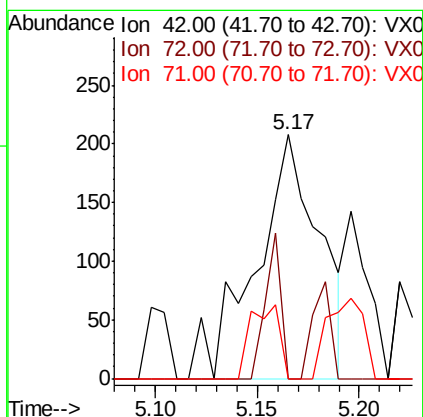
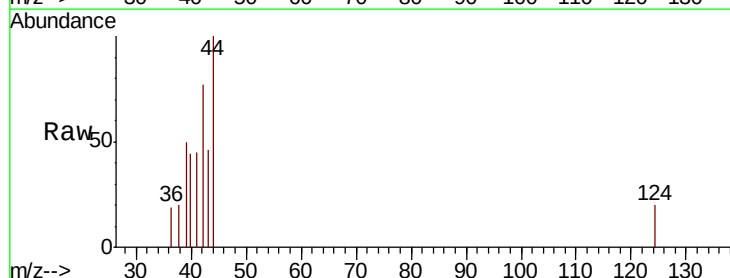
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBL02

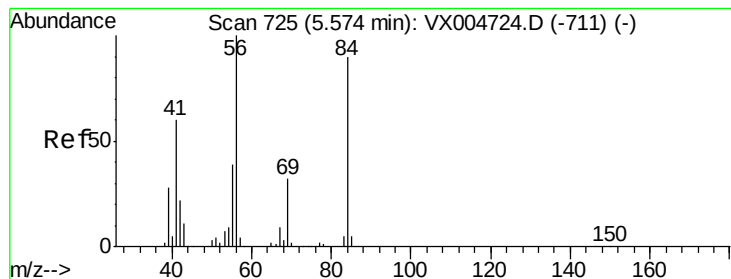
Tot Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 125.8 92.3 138.5
51 53.2 31.8 47.6#
86 62.2 48.5 72.7



#29
Tetrahydrofuran
Concen: 0.274 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Tgt Ion: 42 Resp: 452
Ion Ratio Lower Upper
42 100
72 14.8 33.7 50.5#
71 13.9 32.2 48.4#





#31

Cyclohexane

Concen: 1.051 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBL02

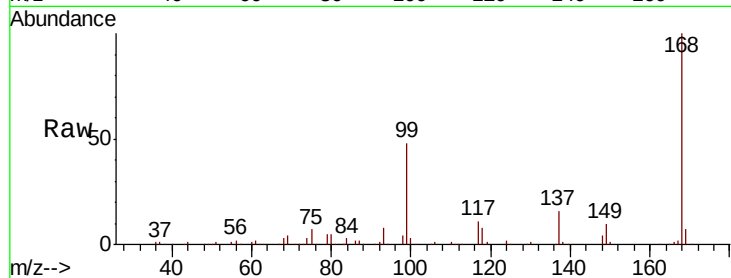
Tot Ion: 56 Resp: 4132

Ion Ratio Lower Upper

56 100

69 200.8 25.9 38.9#

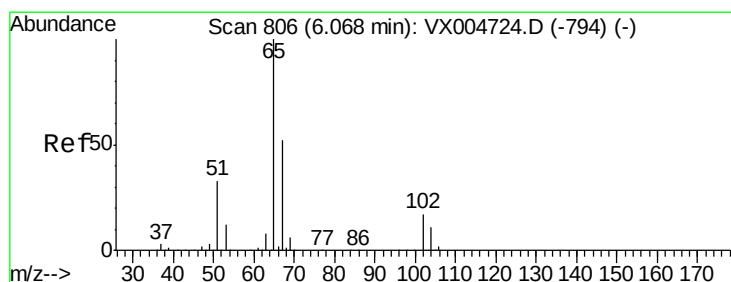
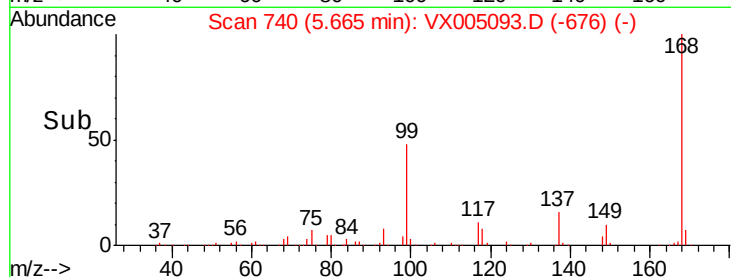
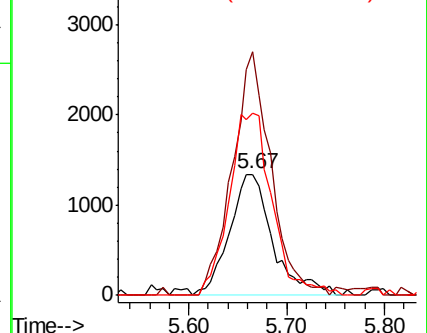
84 150.2 71.9 107.9#



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: 52.888 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005093.D

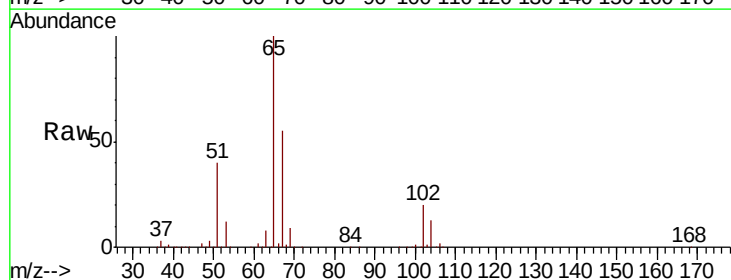
Acq: 06 Oct 2018 04:12

Tgt Ion: 65 Resp: 163363

Ion Ratio Lower Upper

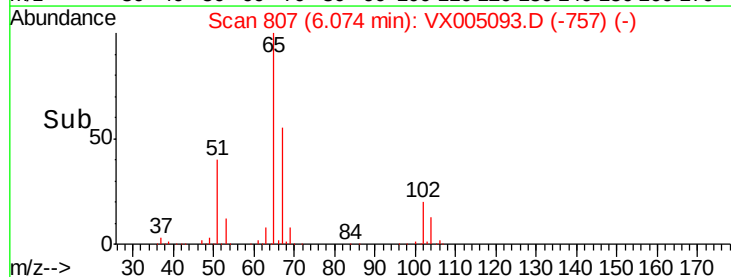
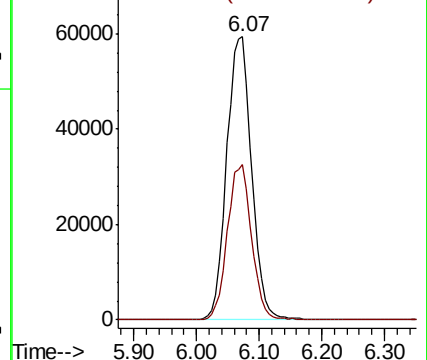
65 100

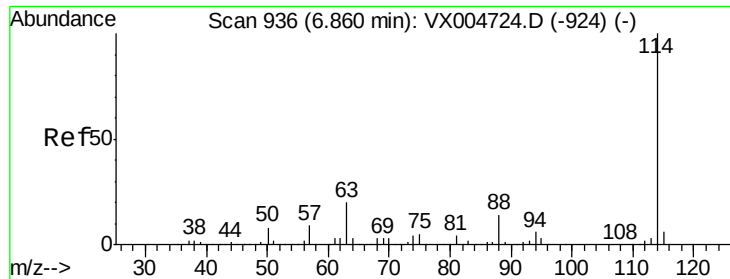
67 53.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

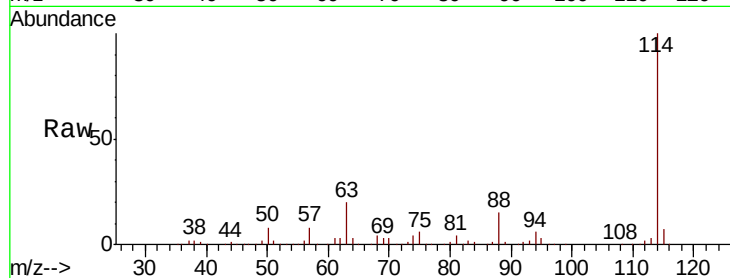




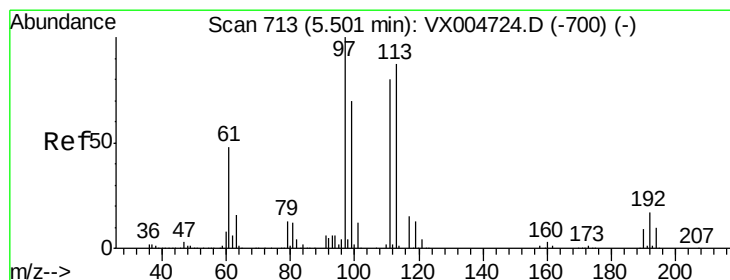
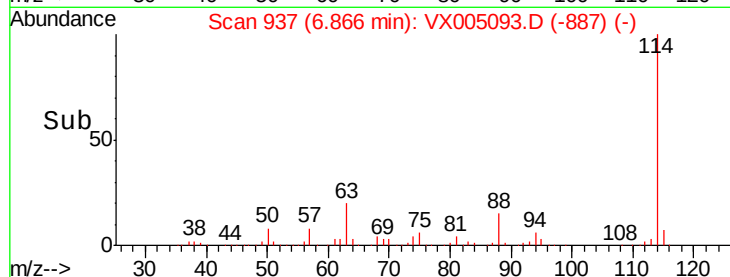
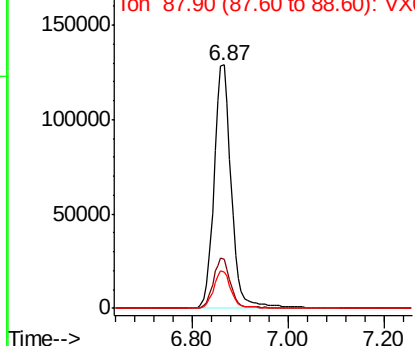
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBL02

Tot Ion:114 Resp: 322909
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.8
88 14.8 0.0 27.0

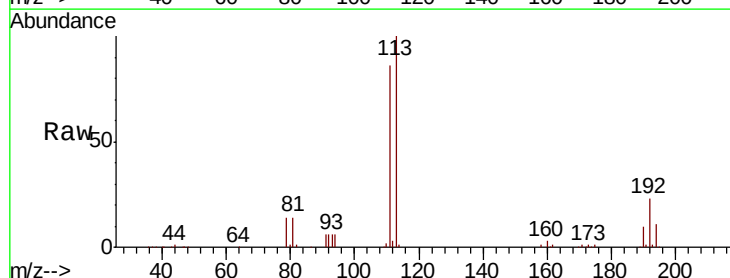


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

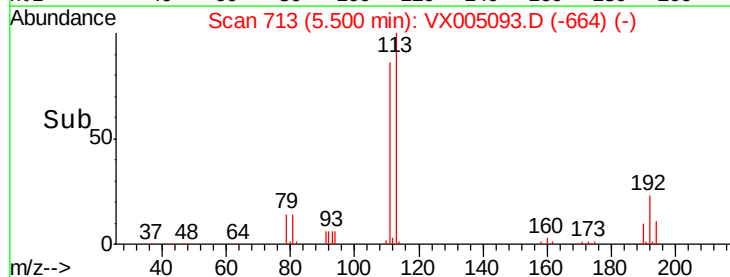
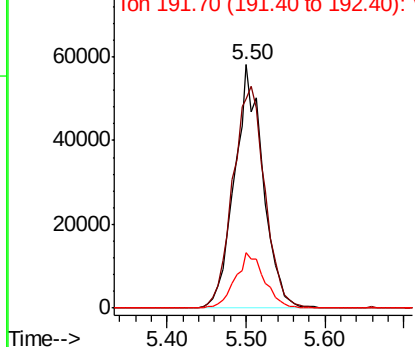


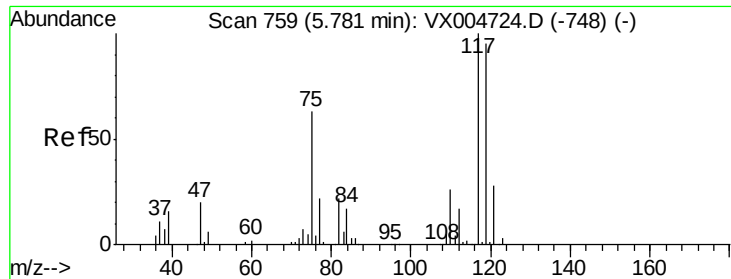
#35
Dibromofluoromethane
Concen: 53.480 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Tgt Ion:113 Resp: 146358
Ion Ratio Lower Upper
113 100
111 102.0 77.0 115.4
192 23.0 17.0 25.6



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

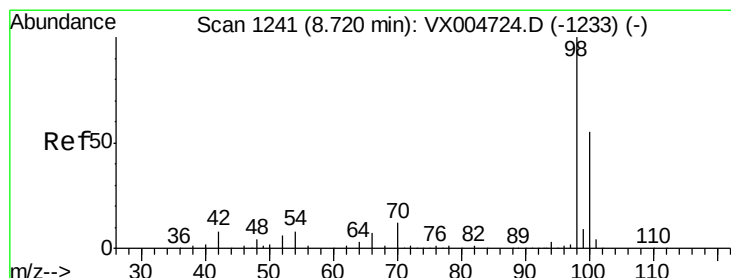
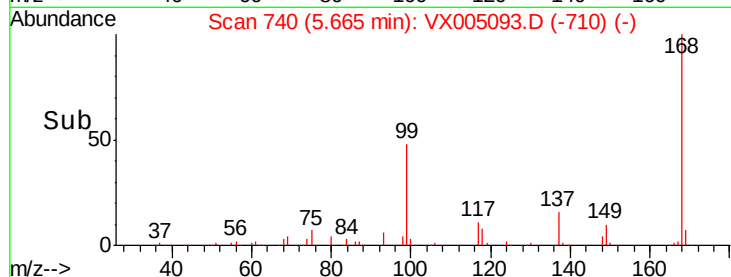
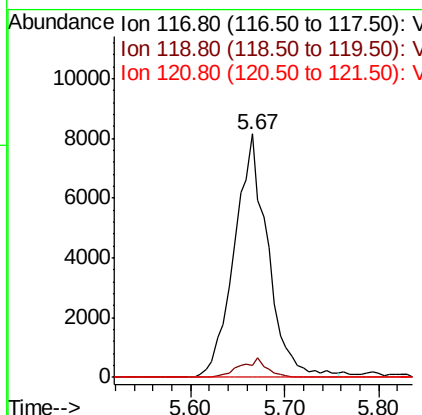
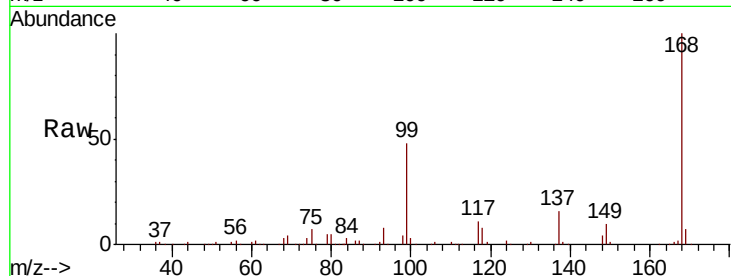




#38
Carbon Tetrachloride
Concen: 5.158 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

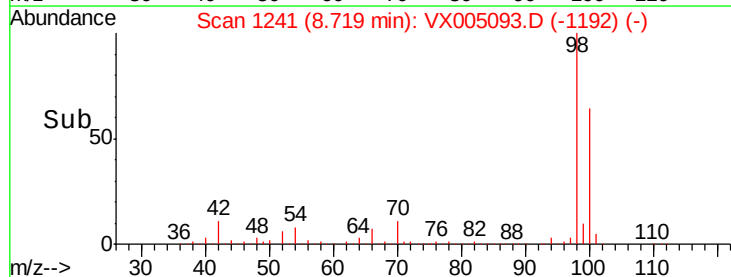
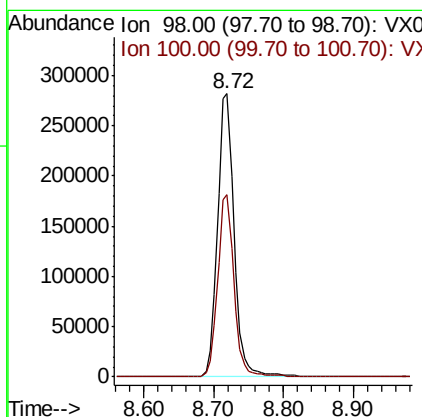
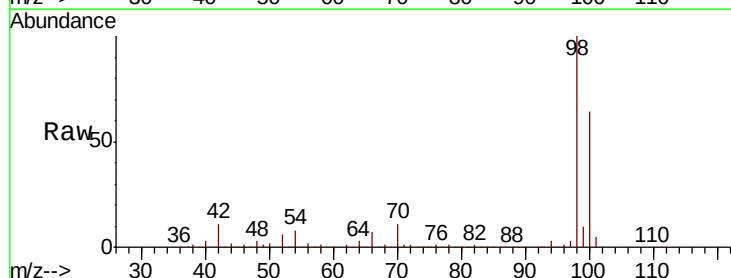
Instrument :
MSVOA_X
ClientSampleId :
VX1005WBL02

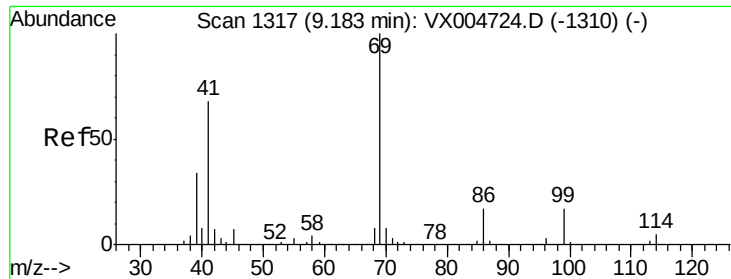
Tot Ion:117 Resp: 20245
Ion Ratio Lower Upper
117 100
119 5.1 75.2 112.8#
121 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 51.169 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Tgt Ion: 98 Resp: 465539
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBL02

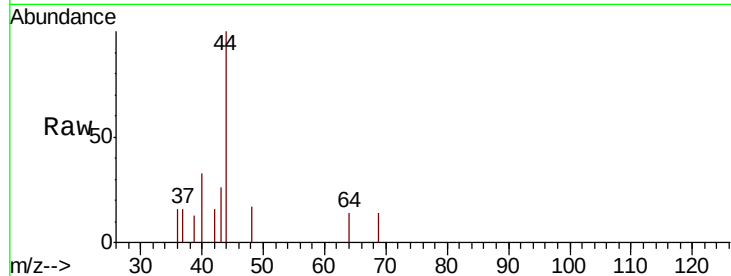
Tot Ion: 69 Resp: 19

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

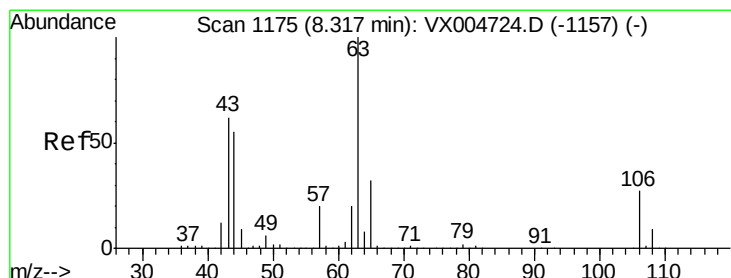
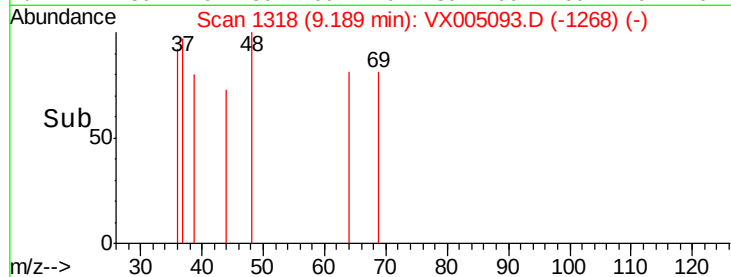
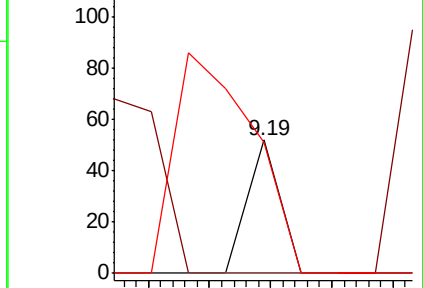
39 400.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.260 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005093.D

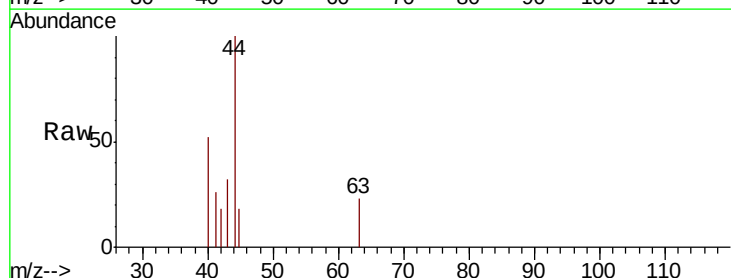
Acq: 06 Oct 2018 04:12

Tgt Ion: 63 Resp: 47

Ion Ratio Lower Upper

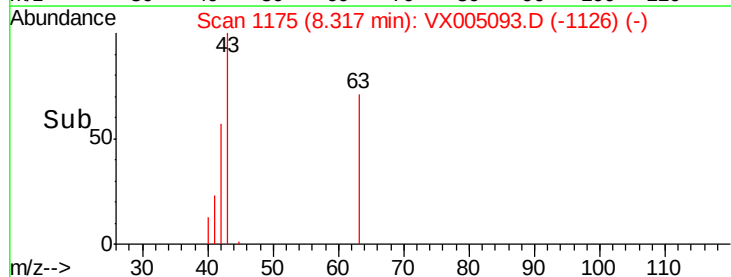
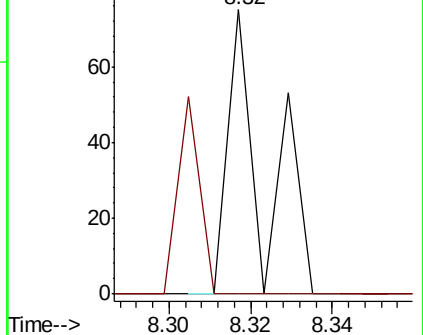
63 100

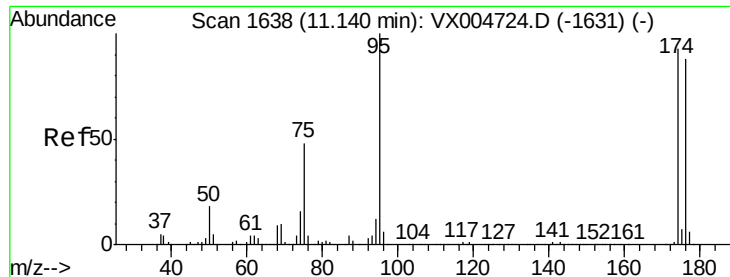
106 40.4 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 51.208 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBL02

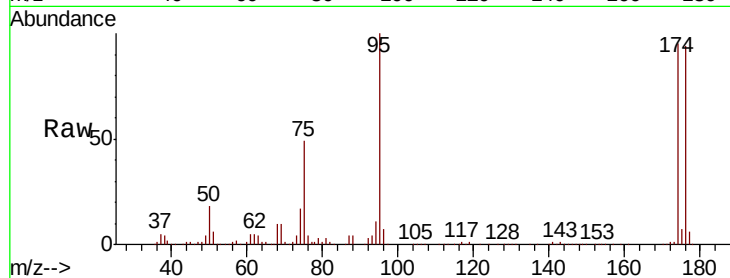
Tot Ion: 95 Resp: 167841

Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.0

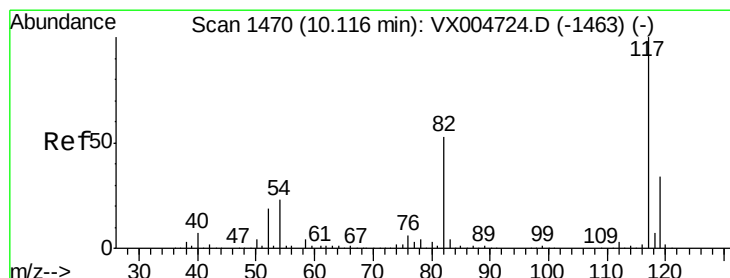
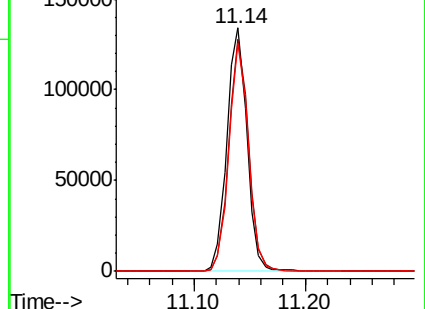
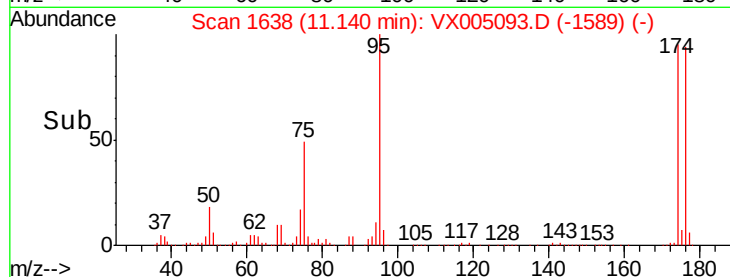
176 90.7 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX005093.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005093.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005093.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

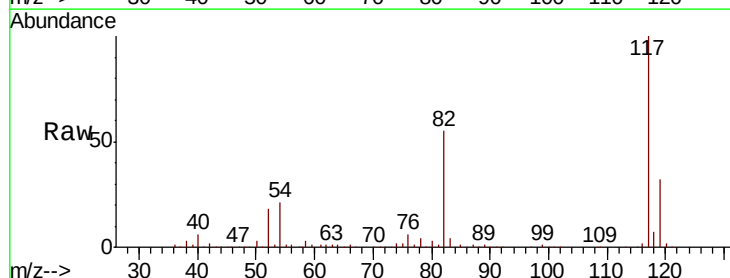
Tgt Ion: 117 Resp: 317452

Ion Ratio Lower Upper

117 100

82 55.2 42.2 63.4

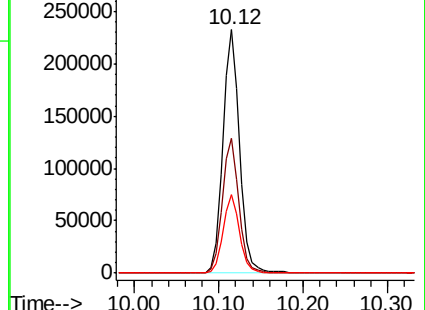
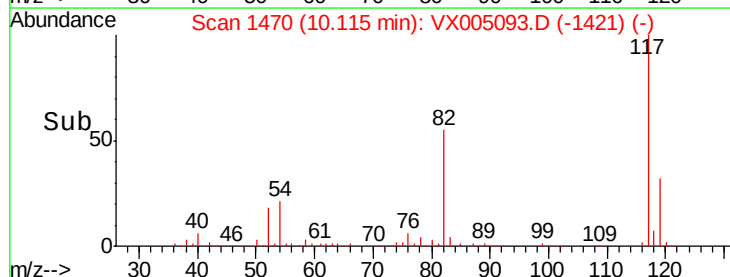
119 32.4 27.4 41.0

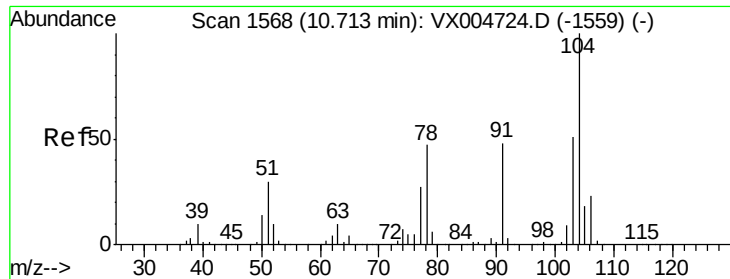


Abundance Ion 116.90 (116.60 to 117.60): VX005093.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005093.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005093.D (-1421) (-)





#70

Stvrene

Concen: 2.159 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampleId :

VX1005WBL02

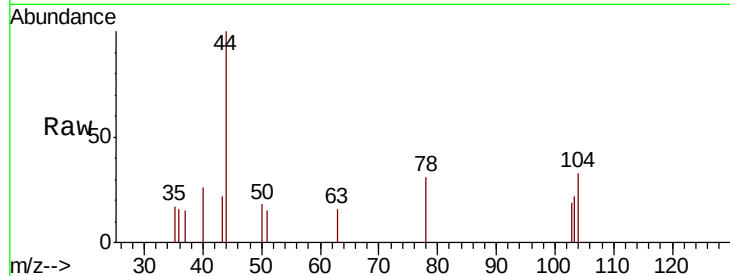
Tot Ion:104 Resp: 166

Ion Ratio Lower Upper

104 100

78 37.3 40.0 60.0#

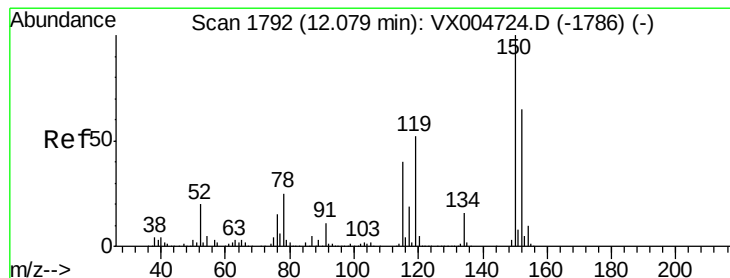
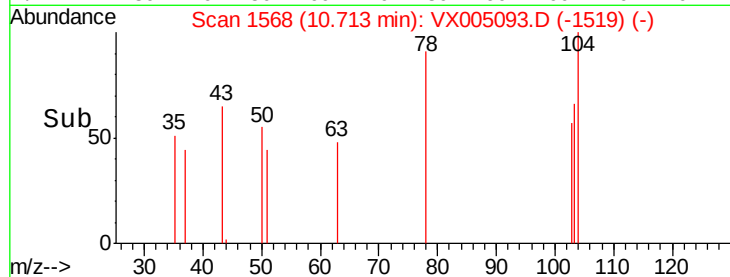
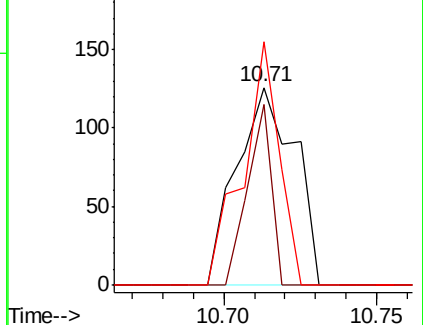
103 76.5 44.3 66.5#



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: VX005093.D

Acq: 06 Oct 2018 04:12

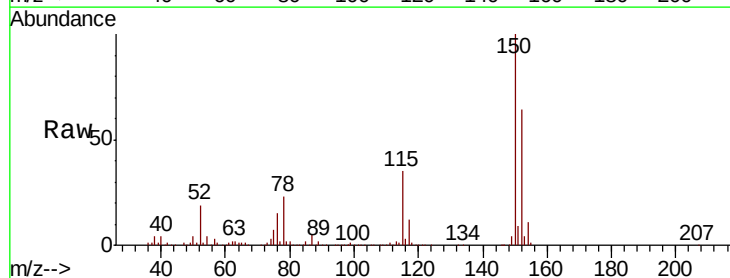
Tgt Ion:152 Resp: 179937

Ion Ratio Lower Upper

152 100

115 55.5 40.2 120.6

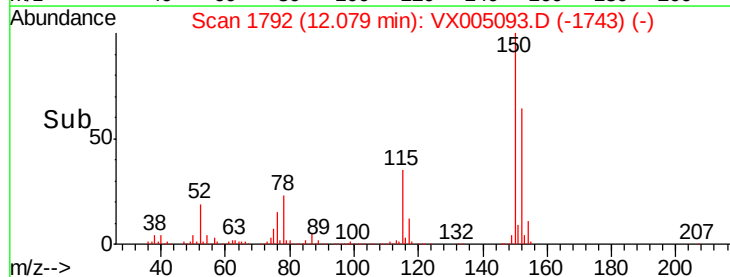
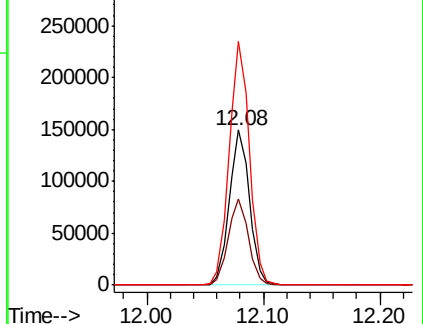
150 157.6 0.0 351.0

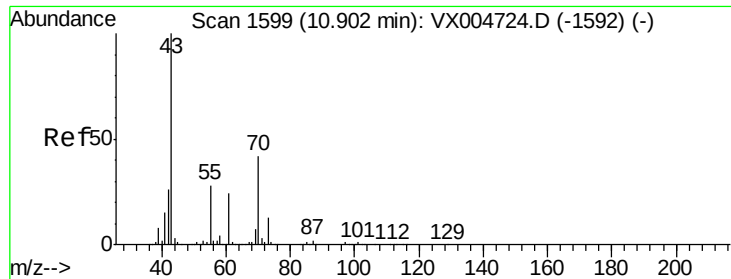


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.764 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005093.D

Acq: 06 Oct 2018 04:12

Instrument :

MSVOA_X

ClientSampled :

VX1005WBL02

Tot Ion: 43 Resp: 103

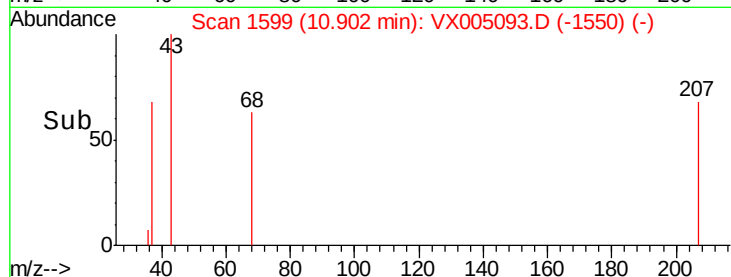
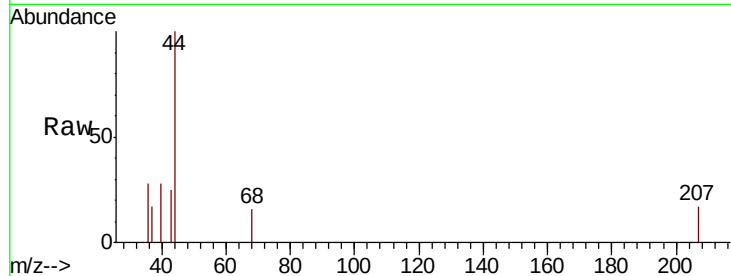
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

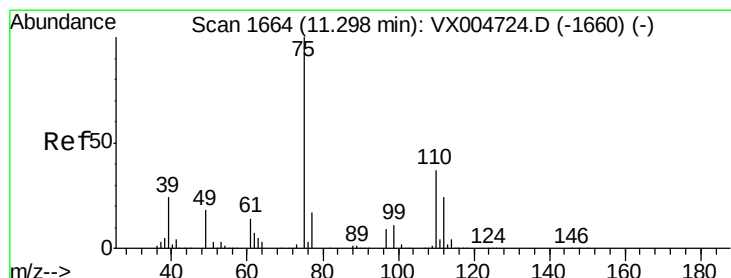
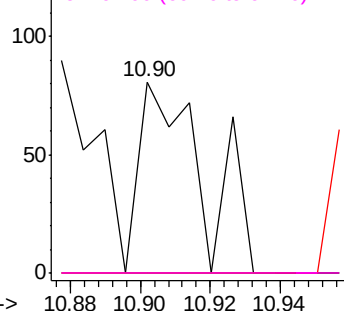


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.838 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005093.D

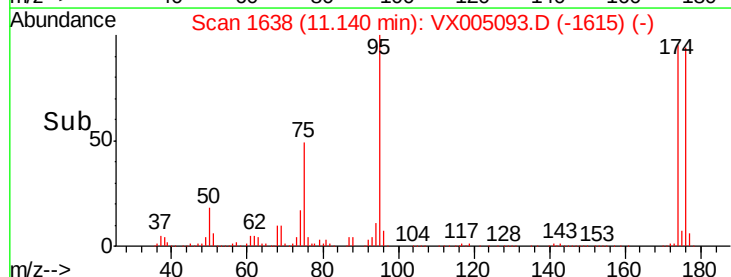
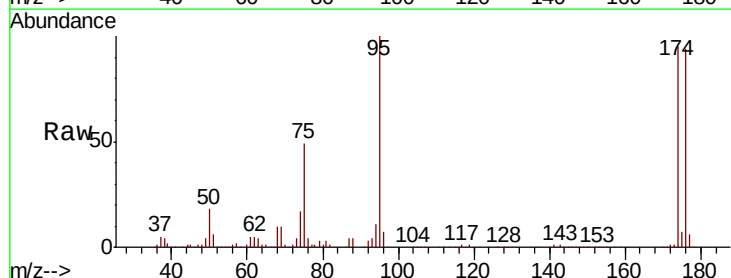
Acq: 06 Oct 2018 04:12

Tgt Ion: 75 Resp: 84040

Ion Ratio Lower Upper

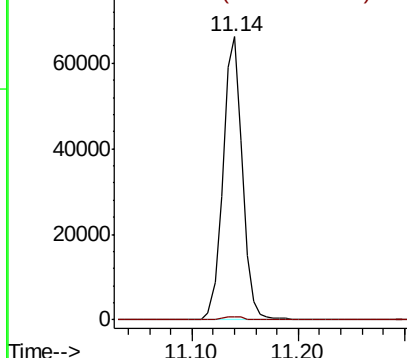
75 100

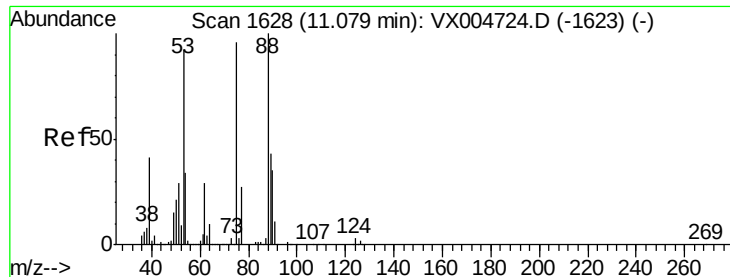
77 1.2 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

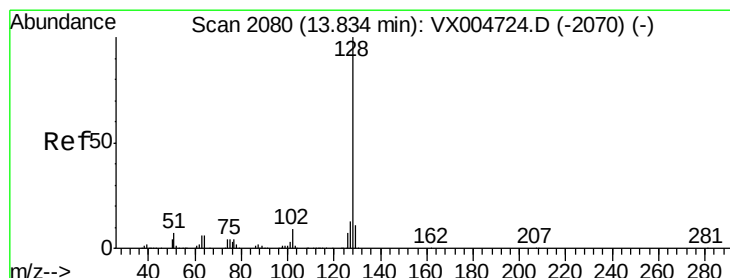
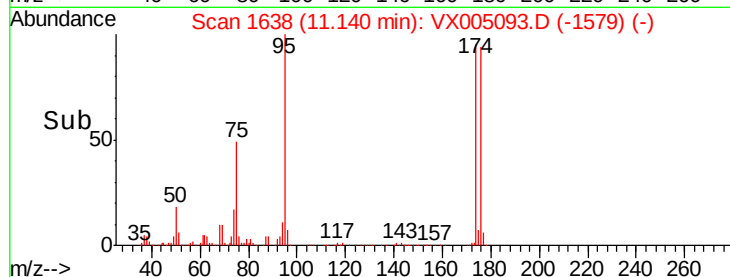
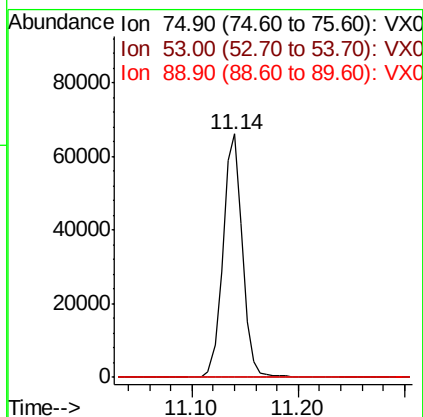
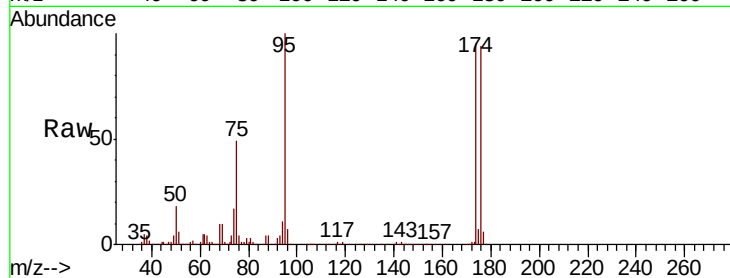




#81
trans-1,4-Dichloro-2-butene
Concen: 56.561 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Instrument :
MSVOA_X
ClientSampleId :
VX1005WBL02

Tot Ion: 75 Resp: 84040
Ion Ratio Lower Upper
75 100
53 0.2 80.2 120.4#
89 0.0 37.1 55.7#



#95
Naphthalene
Concen: 0.768 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005093.D
Acq: 06 Oct 2018 04:12

Tgt Ion: 128 Resp: 733
Ion Ratio Lower Upper
128 100
127 16.0 10.4 15.6#
129 6.0 8.7 13.1#

