

Data File : VX000259.D
Acq On : 09 Mar 2018 16:50
Operator : JC/MD
Sample : J1839-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Mar 09 23:30:07 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	111893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	183868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	94294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	80846	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	5.52	113	60285	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	8.73	98	237076	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.15	95	82473	42.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.32%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	318	Below Cal		87
10) Methyl Iodide	2.51	142	98	3.21 ug/l #		62
11) Tert butyl alcohol	3.09	59	125	0.22 ug/l #		85
16) Acetone	2.45	43	3195	2.87 ug/l		96
20) Methylene Chloride	2.87	84	826	0.62 ug/l #		81
25) 2-Butanone	4.75	43	287	0.21 ug/l #		67
31) Cyclohexane	5.67	56	2852	1.68 ug/l #		53
36) 1,1-Dichloropropene	5.67	75	8832	5.15 ug/l #		50
38) Carbon Tetrachloride	5.67	117	11409	6.58 ug/l #		16
51) 4-Methyl-2-Pentanone	8.73	43	1257	0.46 ug/l #		1
76) 1,2,3-Trichloropropane	11.15	75	47235	24.99 ug/l #		33
81) trans-1,4-Dichloro-2-buten	11.15	75	47235	76.52 ug/l #		10

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

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Instrument :

MSVOA_X

ClientSampleId :

MW-3

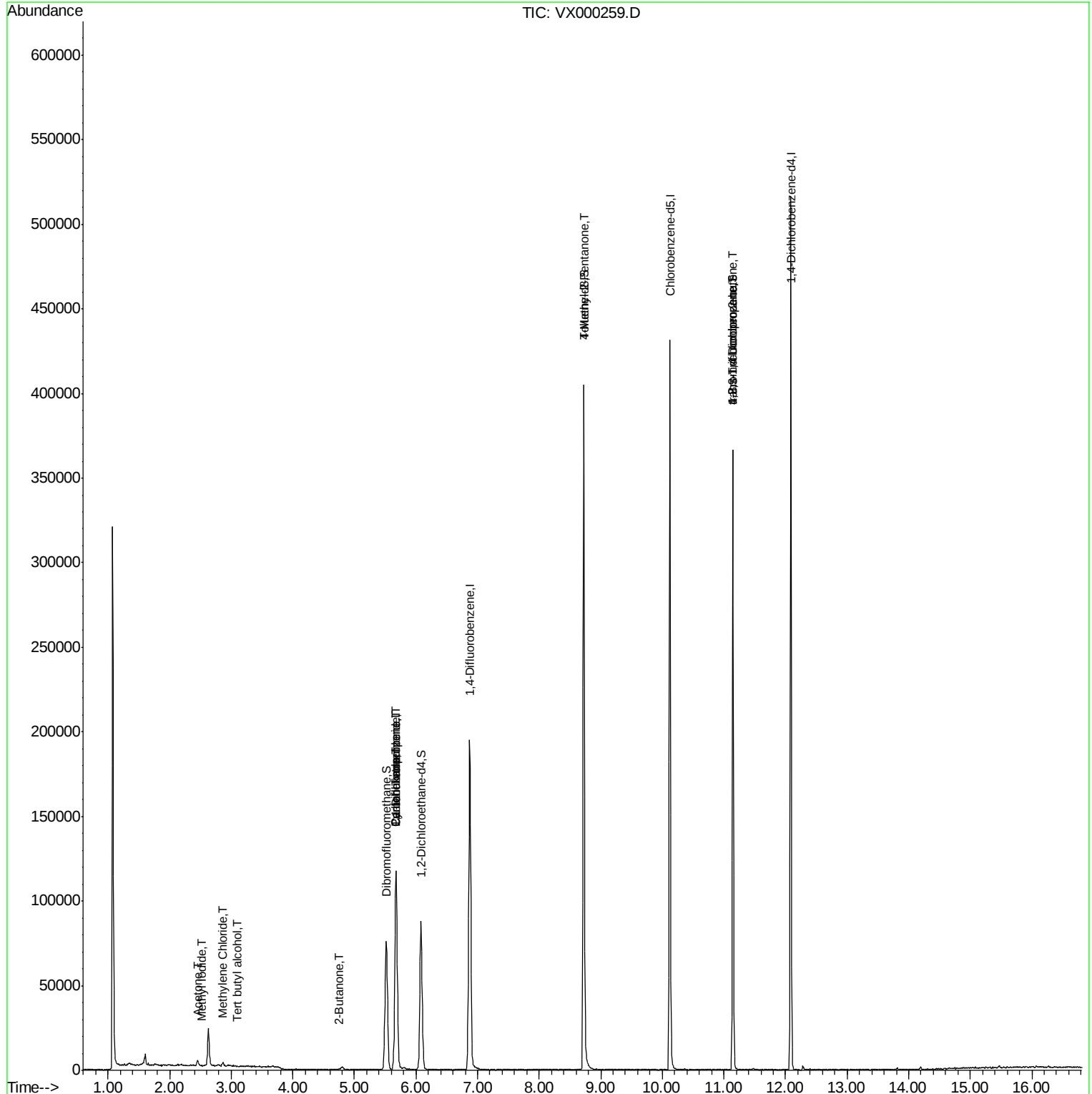
Quant Time: Mar 09 23:30:07 2018

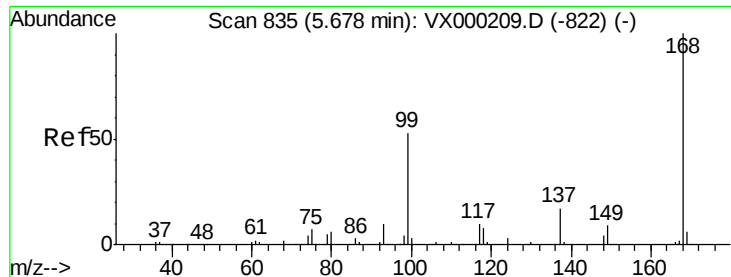
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M

Quant Title : SW846 8260

QLast Update : Thu Mar 08 02:15:47 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

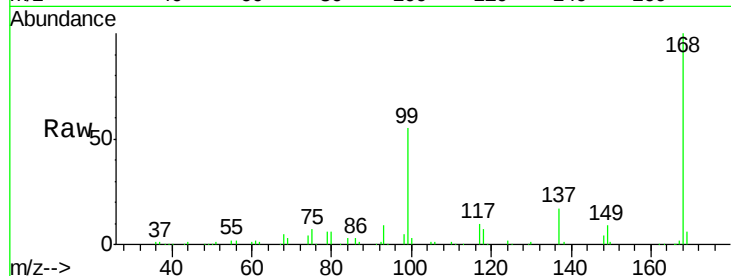
MW-3

Tgt Ion:168 Resp: 111893

Ion Ratio Lower Upper

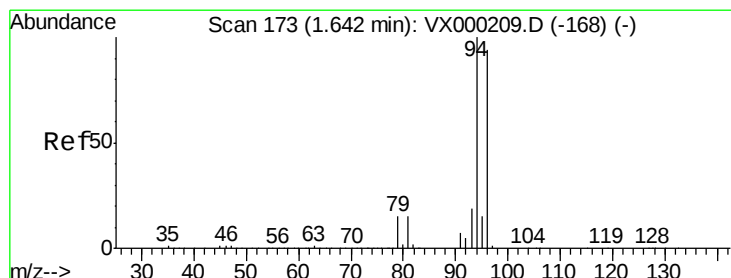
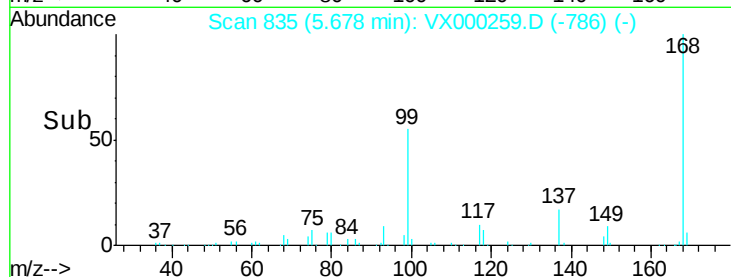
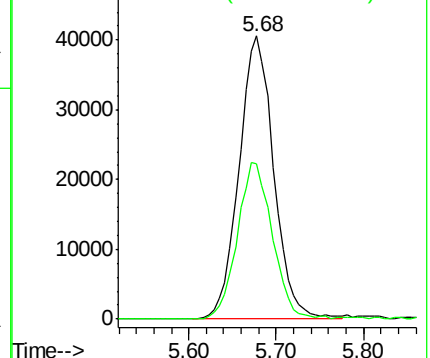
168 100

99 55.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000259.D

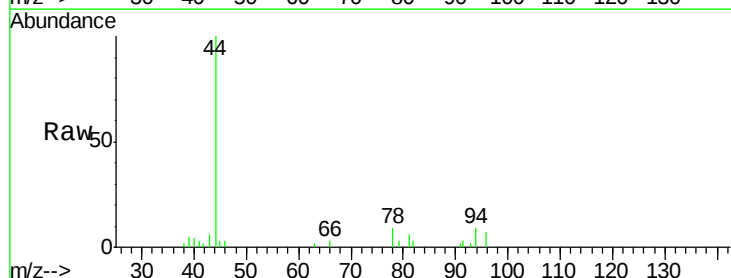
Acq: 09 Mar 2018 16:50

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

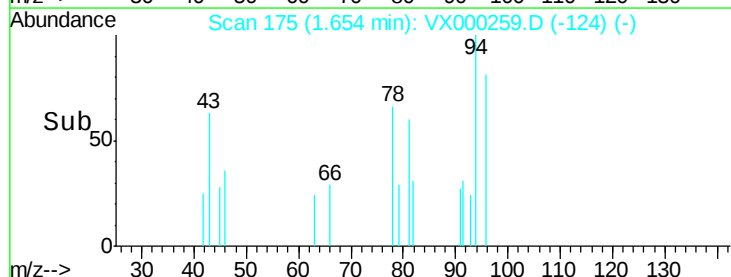
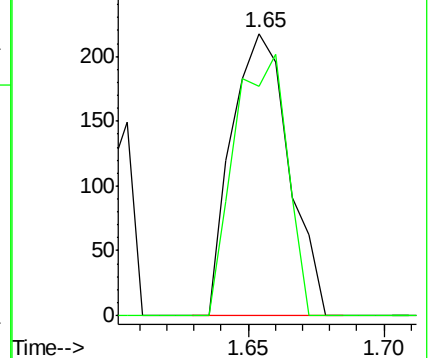
94 100

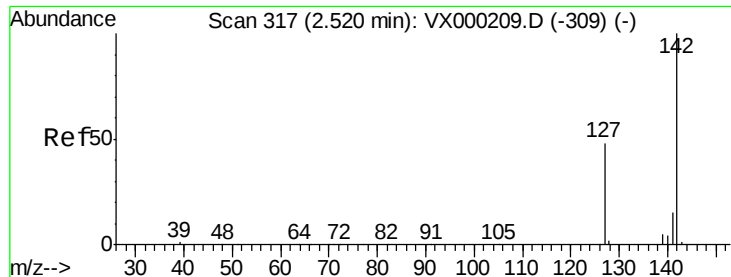
96 81.2 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

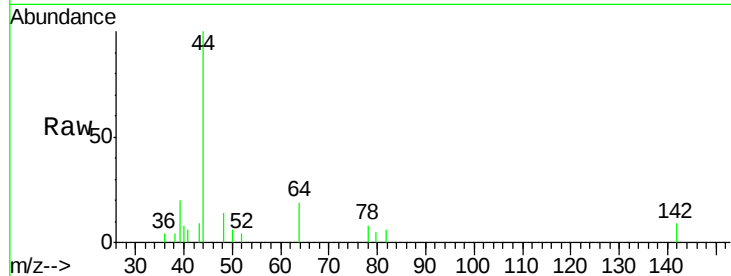




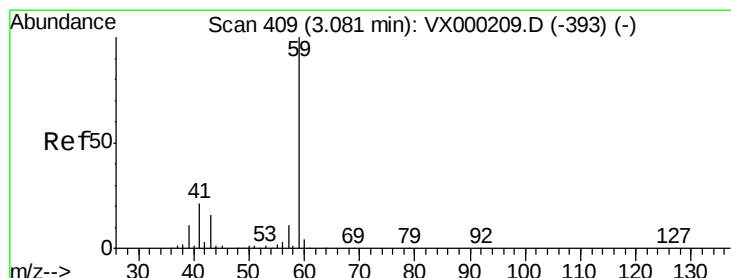
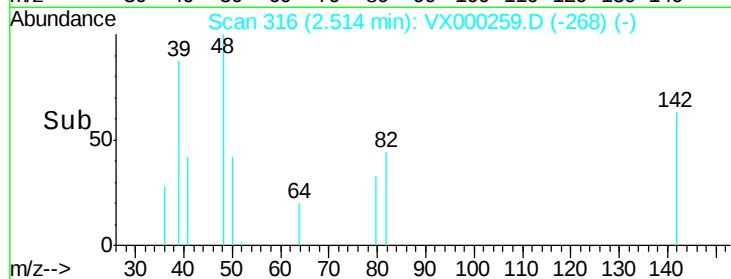
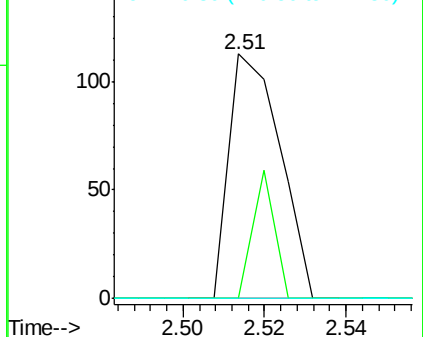
#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tgt Ion:142 Resp: 98
Ion Ratio Lower Upper
142 100
127 22.4 39.0 58.6#
141 0.0 11.6 17.4#

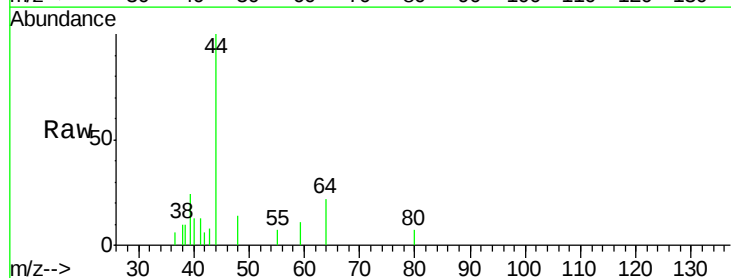


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

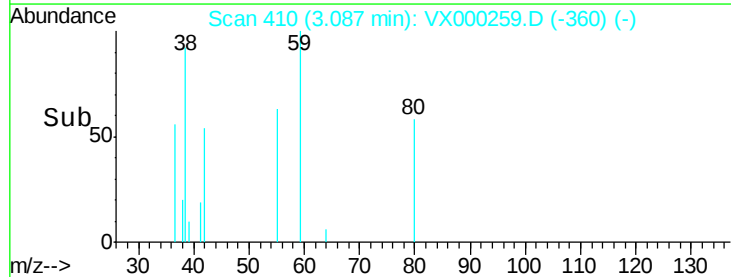
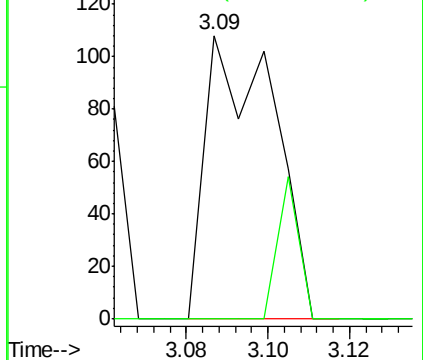


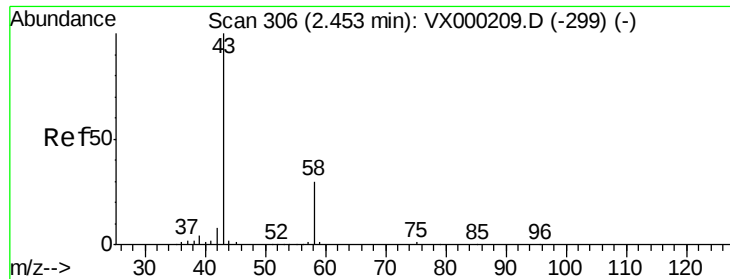
#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 16.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.87 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampleId :

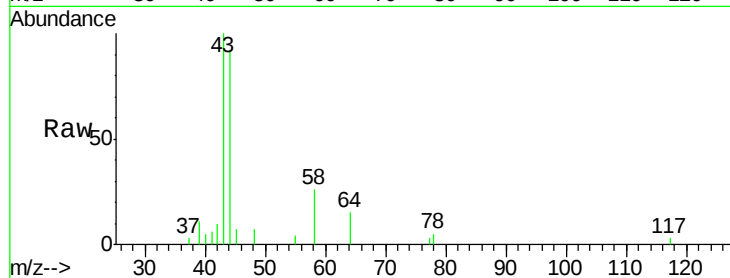
MW-3

Tgt Ion: 43 Resp: 3195

Ion Ratio Lower Upper

43 100

58 27.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

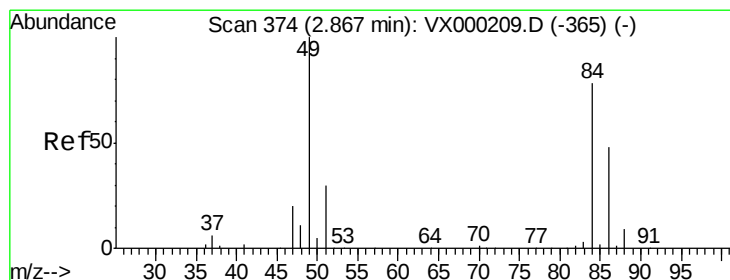
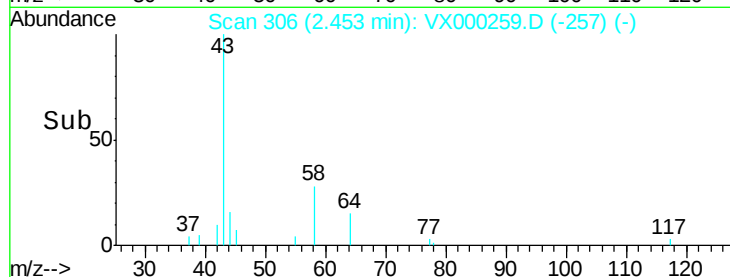
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 0.62 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Tgt Ion: 84 Resp: 826

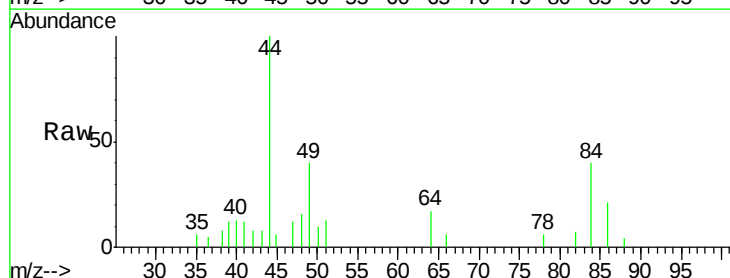
Ion Ratio Lower Upper

84 100

49 98.8 102.1 153.1#

51 31.2 30.6 45.8

86 51.9 49.0 73.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

600

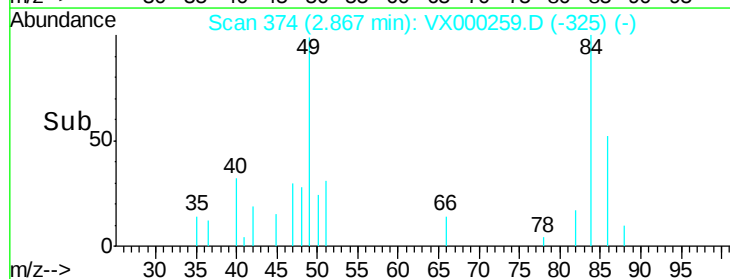
400

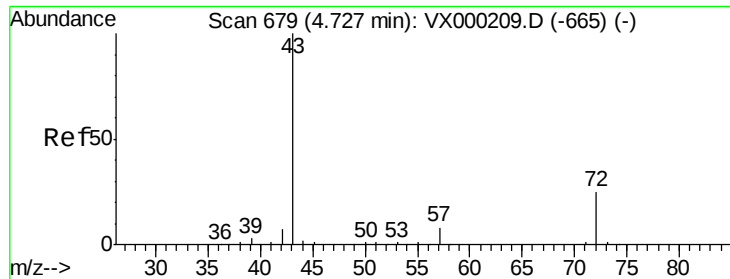
200

0

2.80 2.85 2.90

Time-->

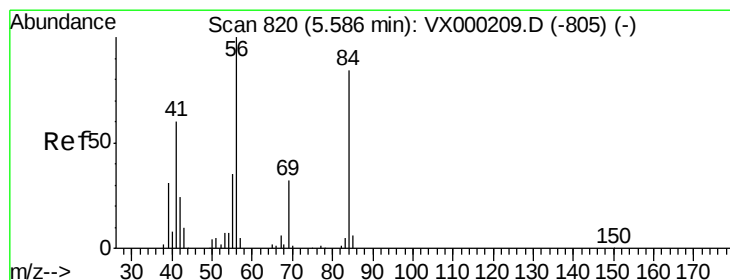
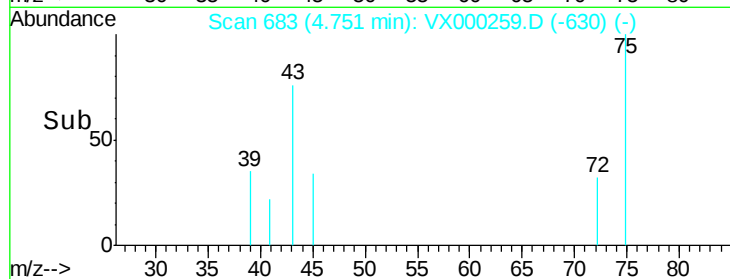
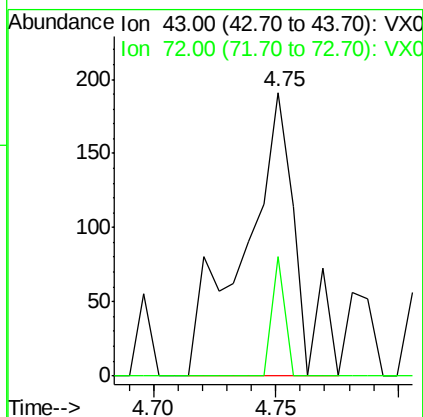
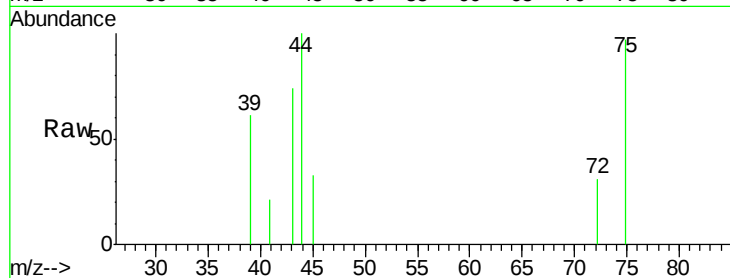




#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.75 min Scan# 683
Delta R.T. 0.02 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

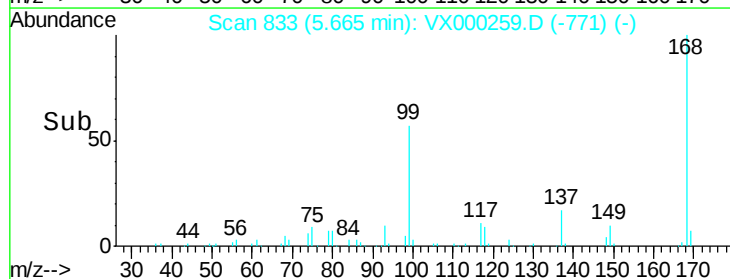
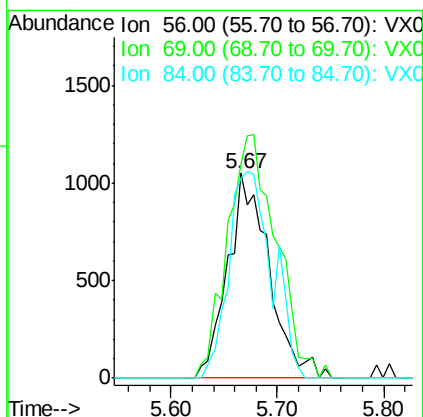
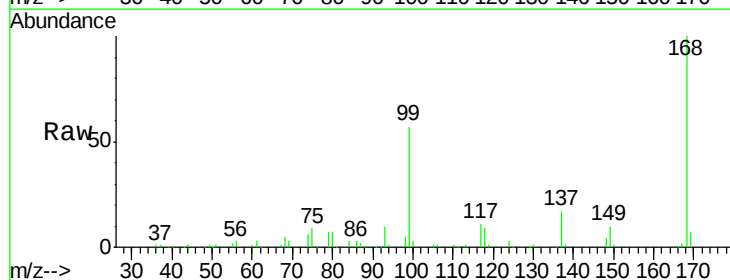
Instrument :
MSVOA_X
ClientSampled :
MW-3

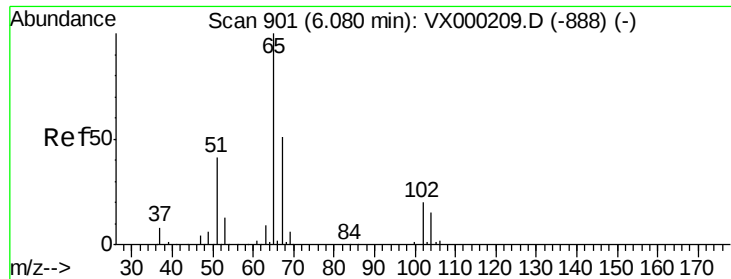
Tgt Ion: 43 Resp: 287
Ion Ratio Lower Upper
43 100
72 41.9 20.2 30.2#



#31
Cyclohexane
Concen: 1.68 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

Tgt Ion: 56 Resp: 2852
Ion Ratio Lower Upper
56 100
69 104.3 25.3 37.9#
84 98.0 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 52.12 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

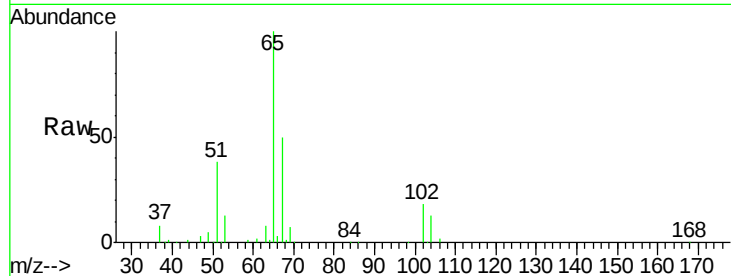
MW-3

Tgt Ion: 65 Resp: 80846

Ion Ratio Lower Upper

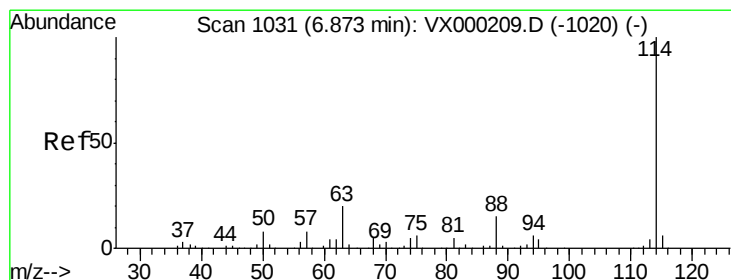
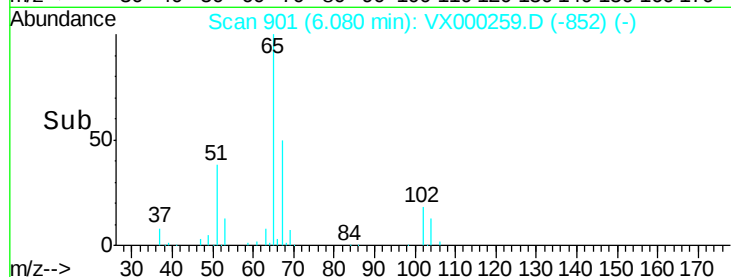
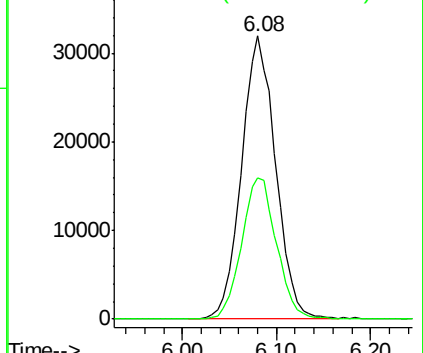
65 100

67 50.9 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

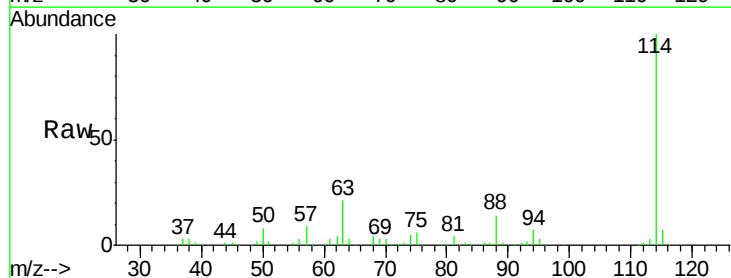
Tgt Ion: 114 Resp: 192661

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

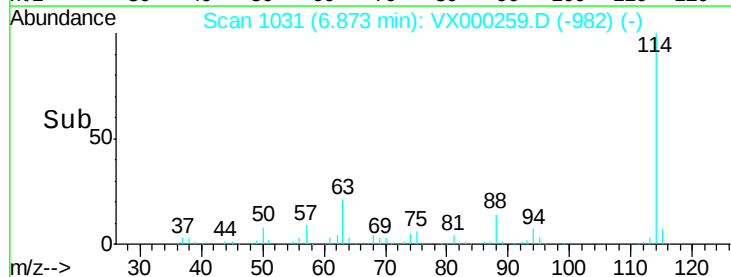
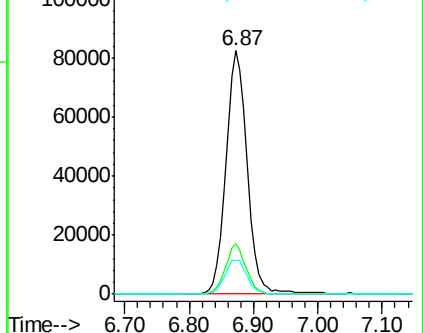
88 13.9 0.0 29.8

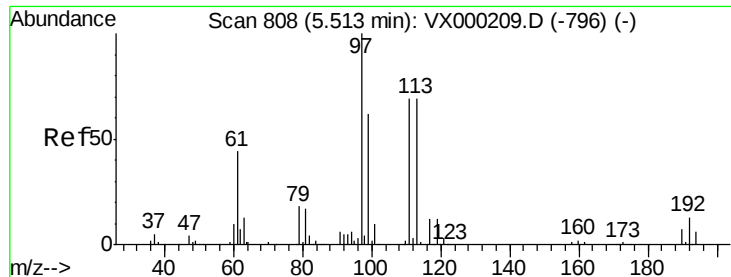


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.81 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

MW-3

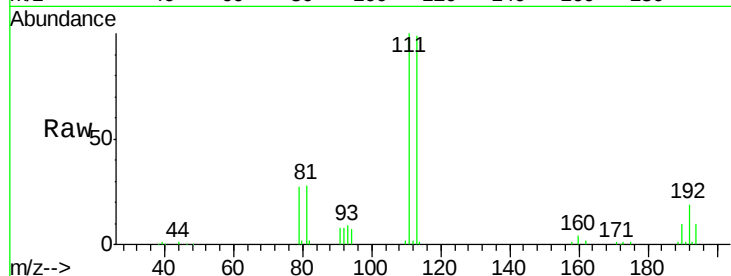
Tgt Ion:113 Resp: 60285

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

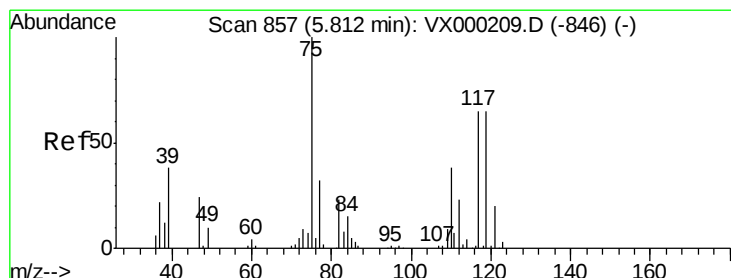
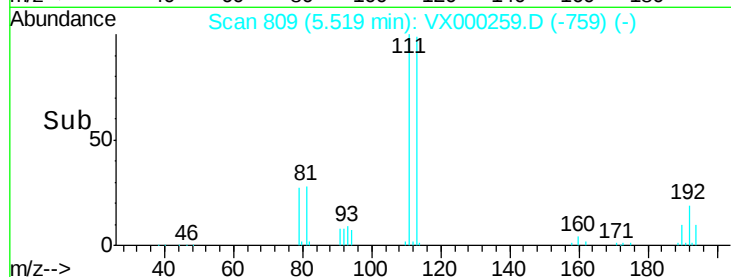
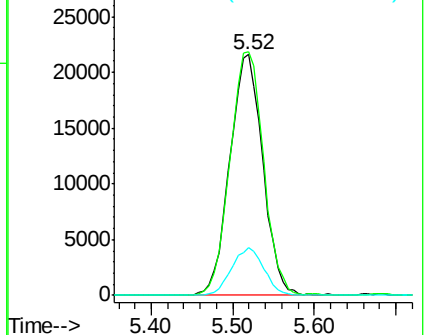
192 19.3 15.5 23.3



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: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

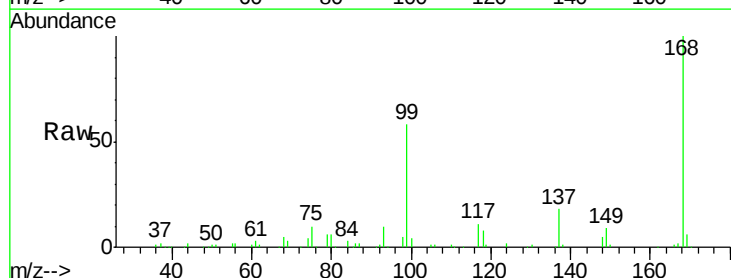
Tgt Ion: 75 Resp: 8832

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.5#

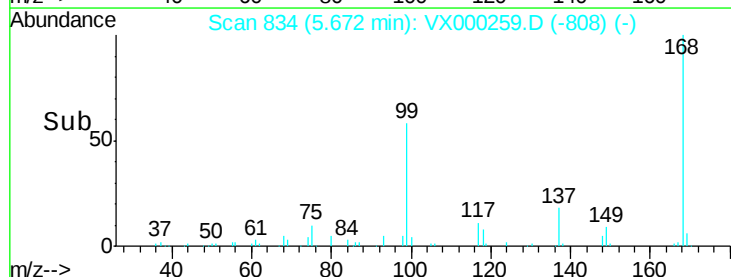
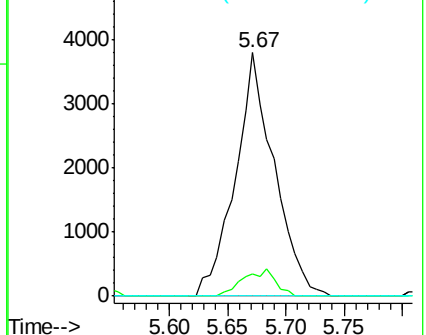
77 0.0 24.9 37.3#

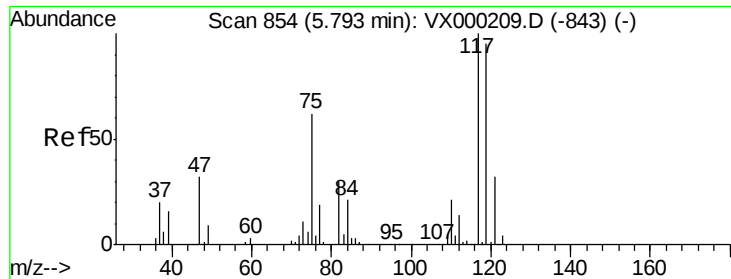


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

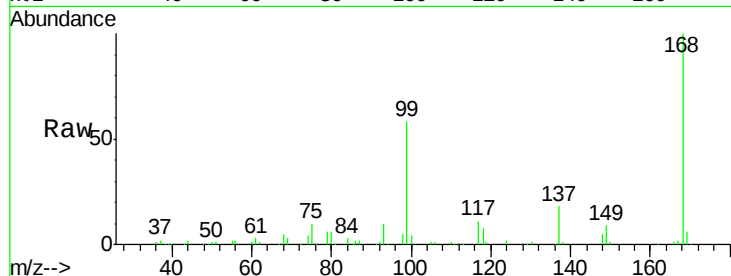




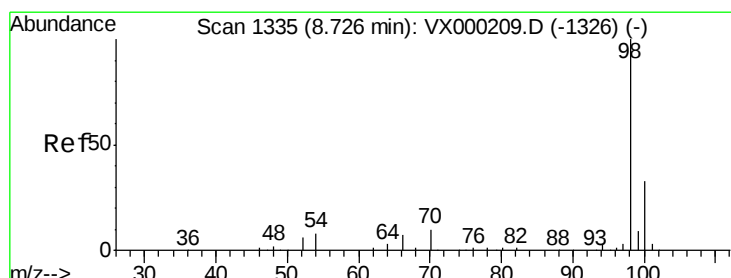
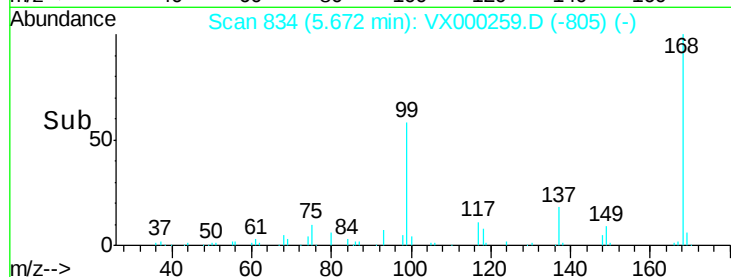
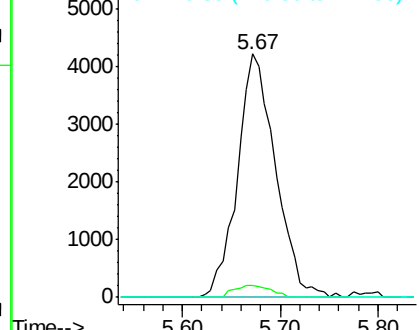
#38
Carbon Tetrachloride
Concen: 6.58 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 117 Resp: 11409
Ion Ratio Lower Upper
117 100
119 5.0 75.9 113.9#
121 0.0 25.8 38.6#

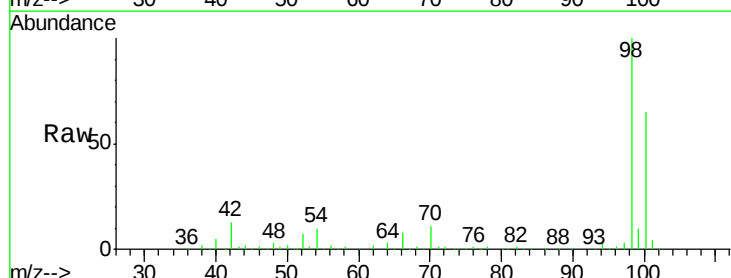


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

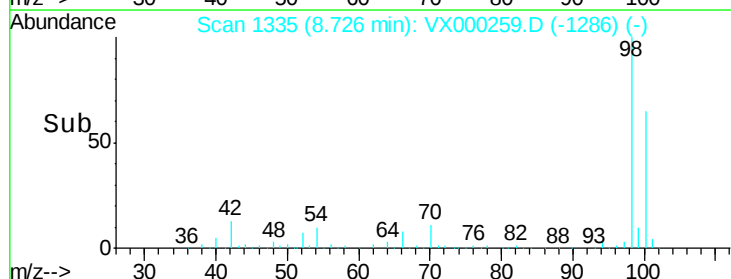
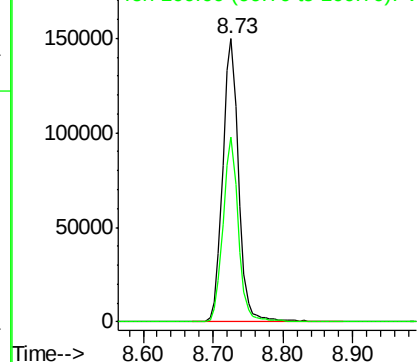


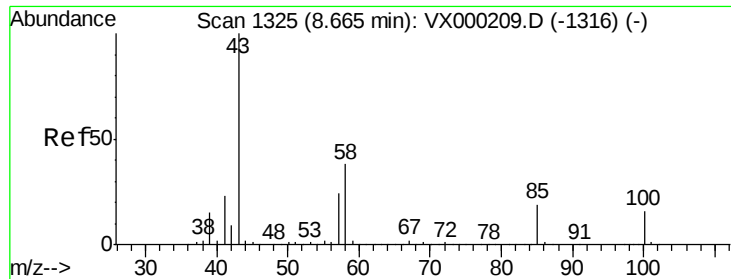
#50
Toluene-d8
Concen: 47.30 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000259.D
Acq: 09 Mar 2018 16:50

Tgt Ion: 98 Resp: 237076
Ion Ratio Lower Upper
98 100
100 62.7 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.06 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

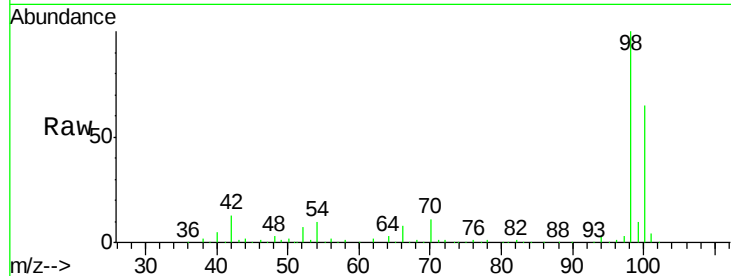
MW-3

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

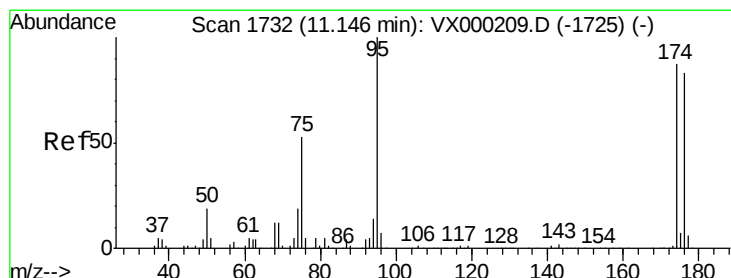
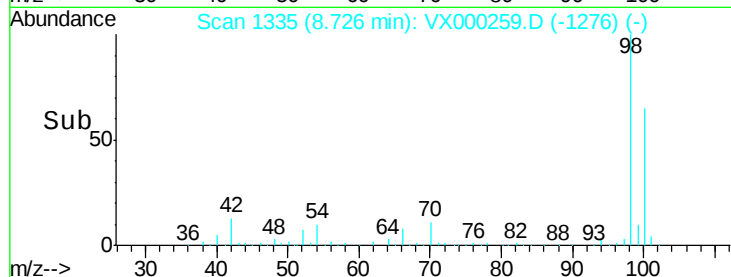
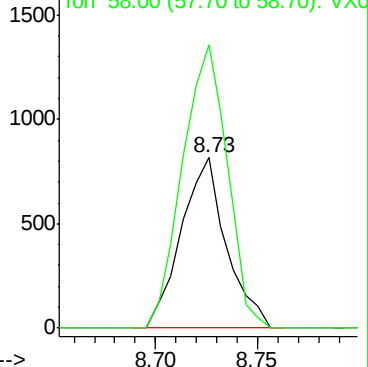
43 100

58 164.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.16 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

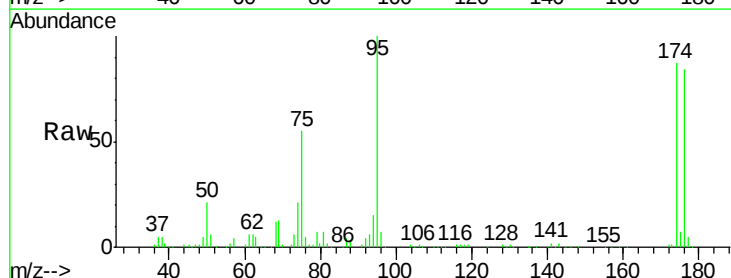
Tgt Ion: 95 Resp: 82473

Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.6

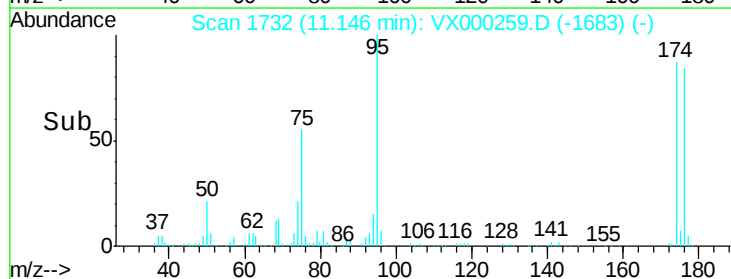
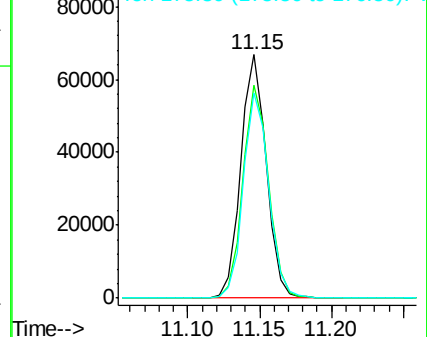
176 83.8 0.0 171.0

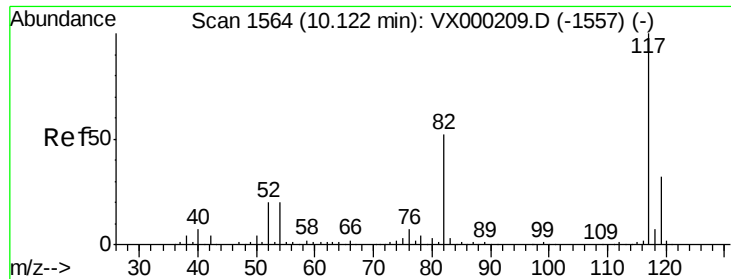


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

MW-3

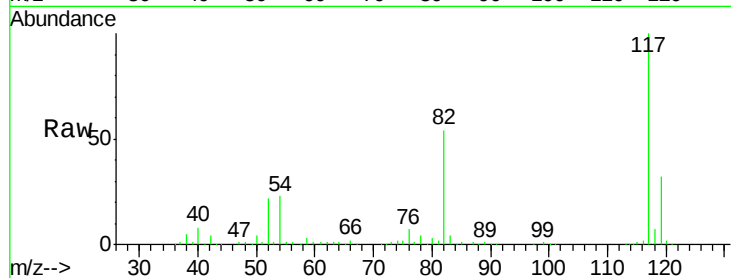
Tgt Ion:117 Resp: 183868

Ion Ratio Lower Upper

117 100

82 54.4 42.0 63.0

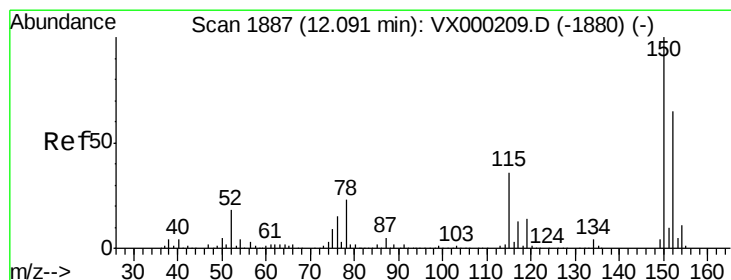
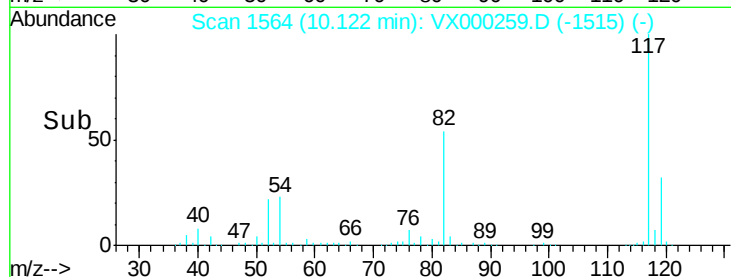
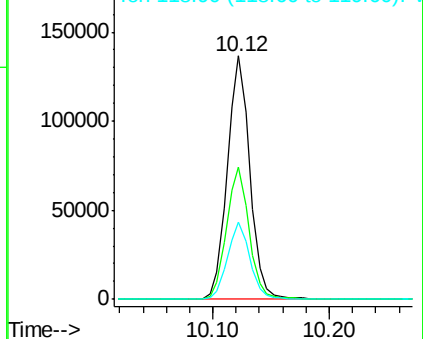
119 31.9 25.3 37.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

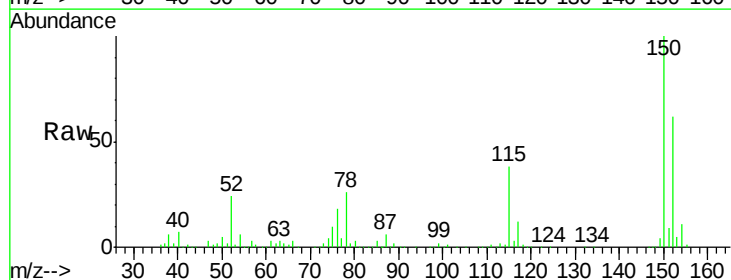
Tgt Ion:152 Resp: 94294

Ion Ratio Lower Upper

152 100

115 58.5 39.8 119.3

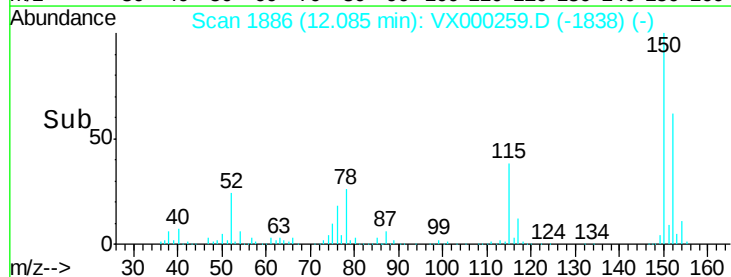
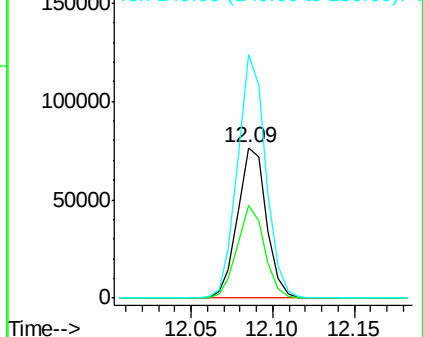
150 158.4 0.0 345.0

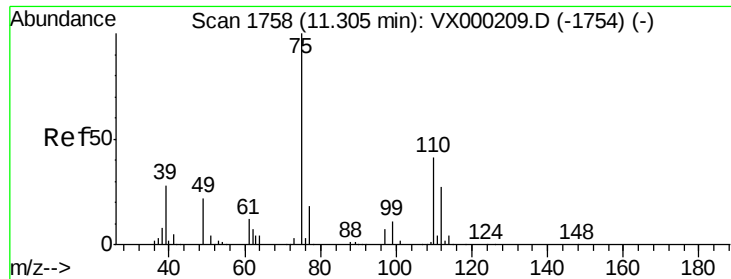


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.99 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

Instrument :

MSVOA_X

ClientSampled :

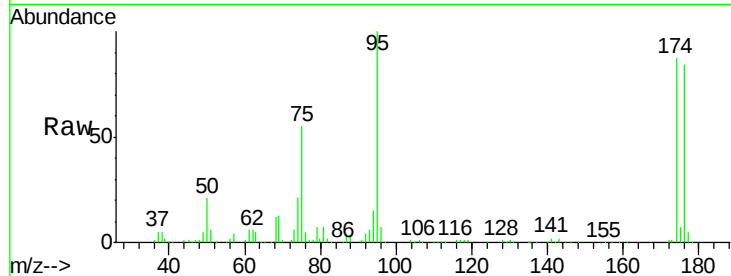
MW-3

Tgt Ion: 75 Resp: 47235

Ion Ratio Lower Upper

75 100

77 1.1 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

40000

30000

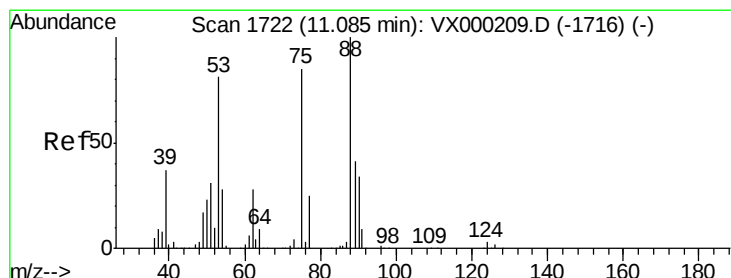
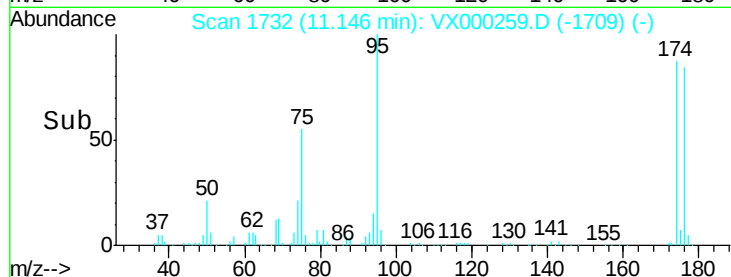
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 76.52 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000259.D

Acq: 09 Mar 2018 16:50

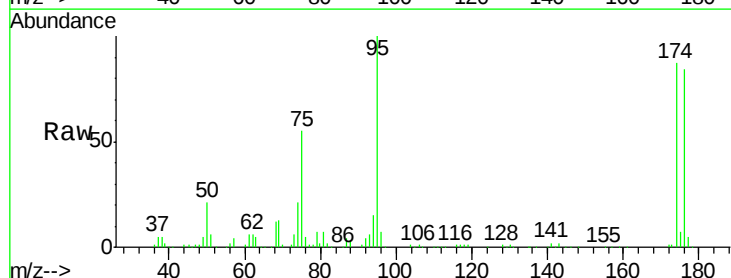
Tgt Ion: 75 Resp: 47235

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.1 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

