

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003959.D
 Acq On : 09 Aug 2018 19:03
 Operator : JC/MD
 Sample : J4379-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104D

Quant Time: Aug 10 01:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	463288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230435	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	206987	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	5.51	113	176350	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
50) Toluene-d8	8.72	98	656288	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	231041	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	

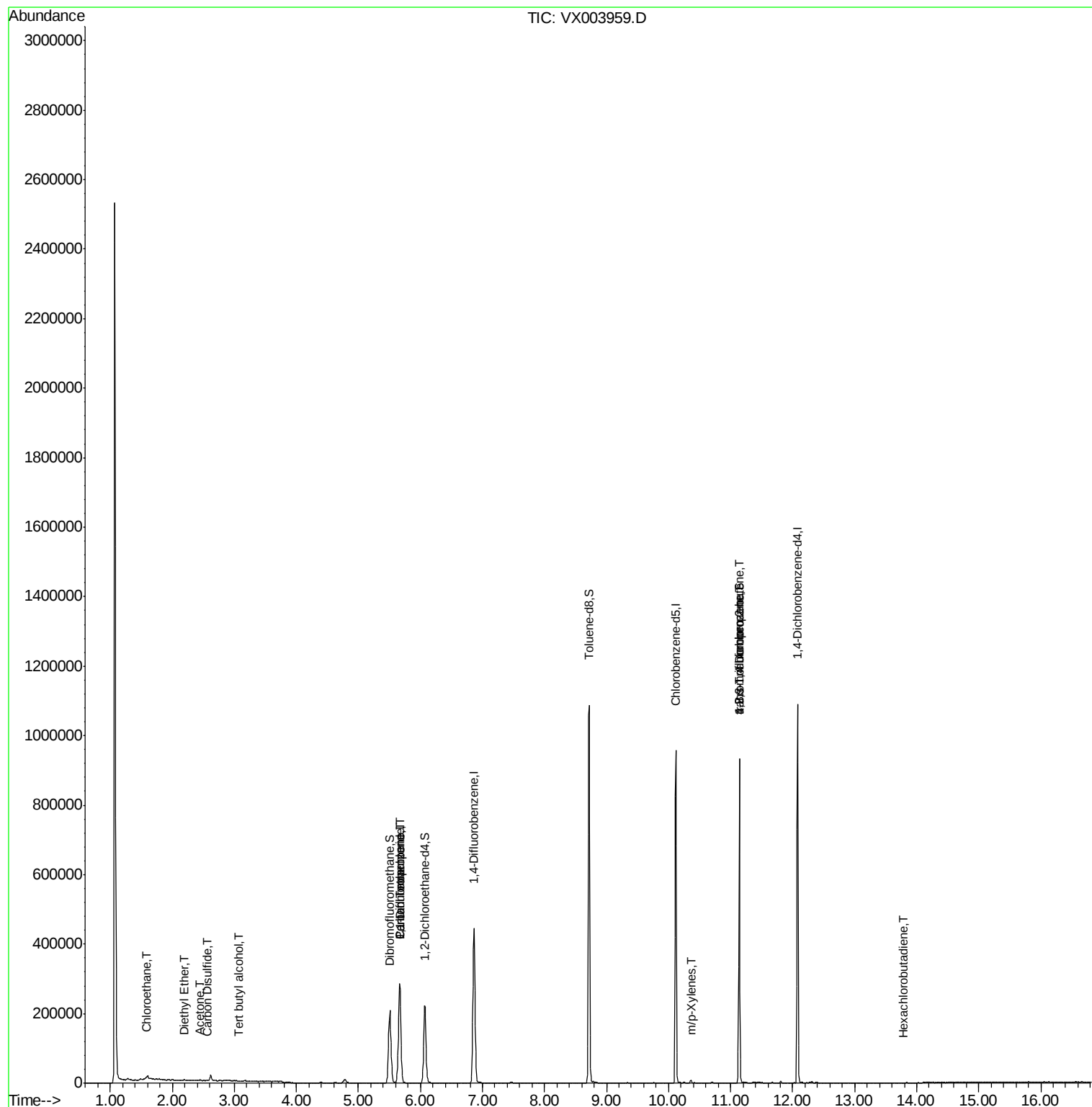
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	783	Below Cal		85
6) Chloroethane	1.58	64	20549	7.96 ug/l	#	48
8) Diethyl Ether	2.19	74	578	0.24 ug/l		85
11) Tert butyl alcohol	3.06	59	759	0.81 ug/l	#	84
13) Acrolein	2.30	56	281	Below Cal	#	15
16) Acetone	2.45	43	2084	0.90 ug/l		99
17) Carbon Disulfide	2.57	76	1133	0.56 ug/l	#	81
20) Methylene Chloride	2.86	84	346	Below Cal	#	72
36) 1,1-Dichloropropene	5.67	75	19654	3.79 ug/l	#	48
38) Carbon Tetrachloride	5.66	117	25863	5.24 ug/l	#	16
68) m/p-Xylenes	10.36	106	2134	0.29 ug/l		91
76) 1,2,3-Trichloropropane	11.14	75	108021	21.22 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	108021	57.39 ug/l	#	9
88) 1,4-Dichlorobenzene	12.10	146	279	Below Cal	#	1
94) Hexachlorobutadiene	13.78	225	132	0.48 ug/l	#	44

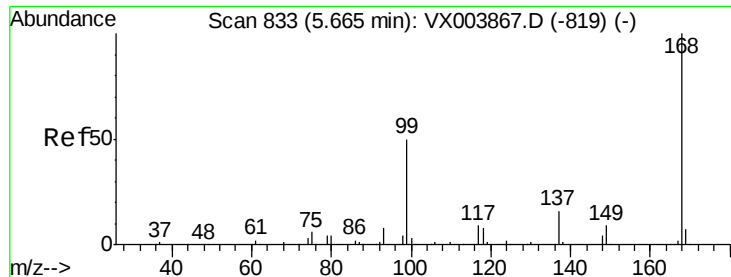
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

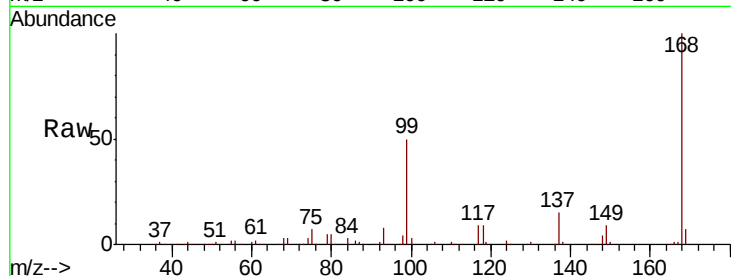
MW-104D

Tot Ion:168 Resp: 293325

Ion Ratio Lower Upper

168 100

99 49.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

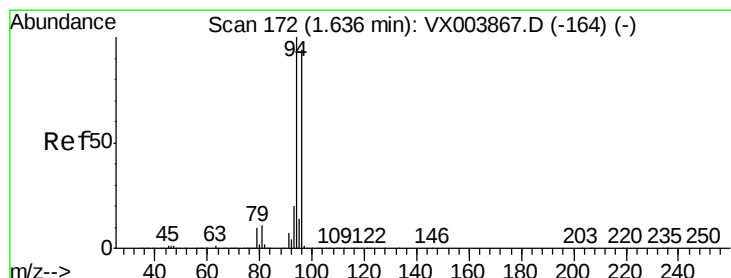
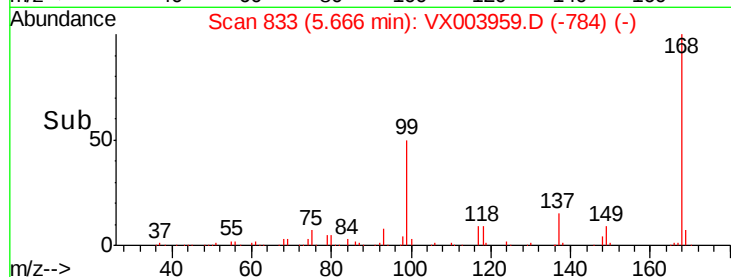
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003959.D

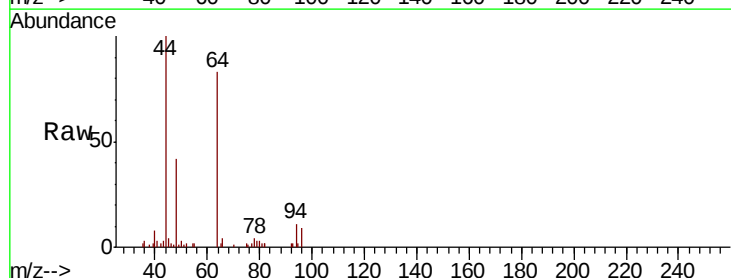
Acq: 09 Aug 2018 19:03

Tgt Ion: 94 Resp: 783

Ion Ratio Lower Upper

94 100

96 79.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

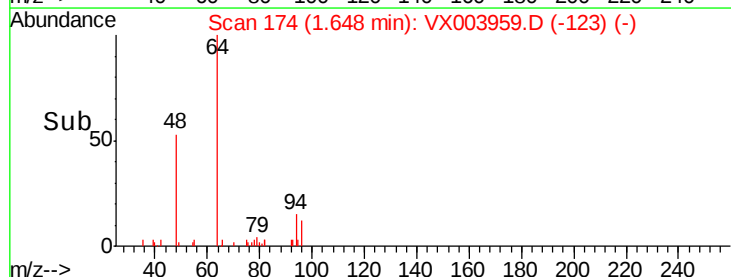
300

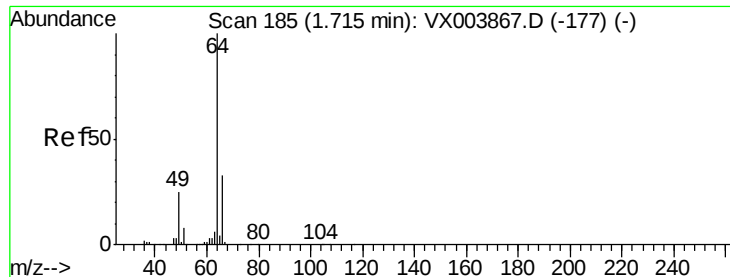
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 7.96 ug/l

RT: 1.58 min Scan# 163

Delta R.T. -0.13 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

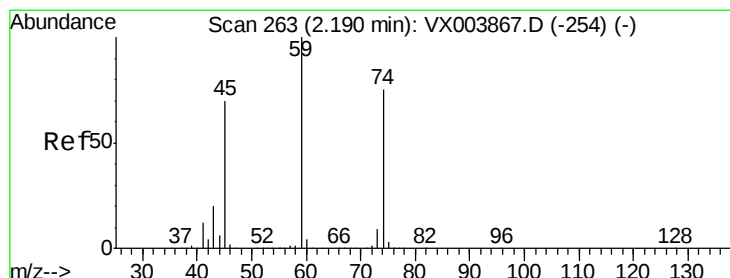
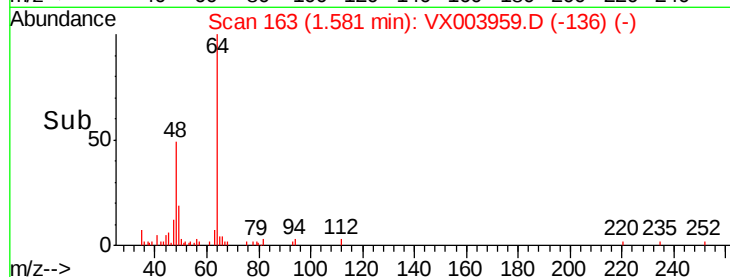
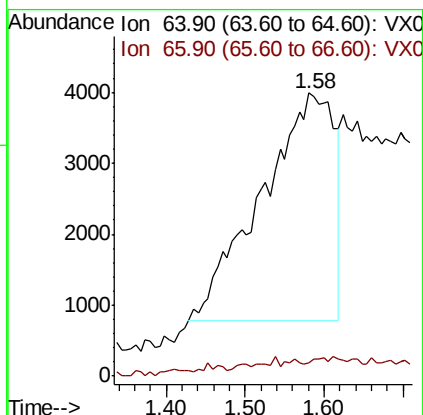
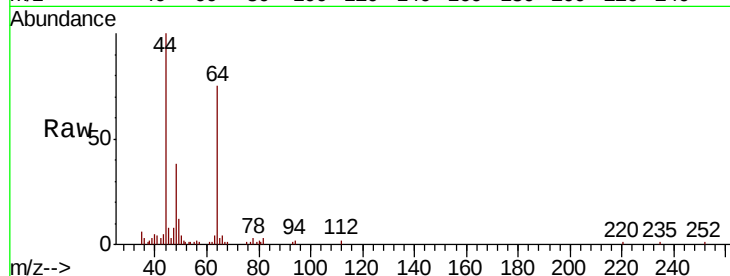
MW-104D

Tot Ion: 64 Resp: 20549

Ion Ratio Lower Upper

64 100

66 3.7 26.5 39.7#



#8

Diethyl Ether

Concen: 0.24 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003959.D

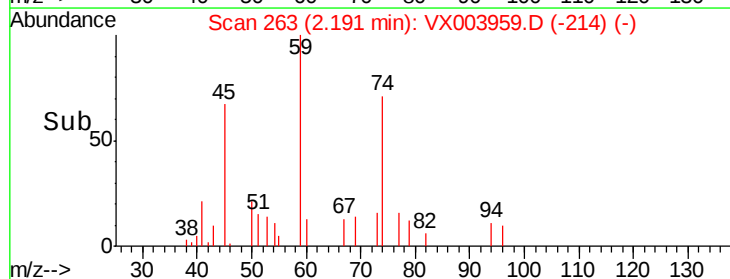
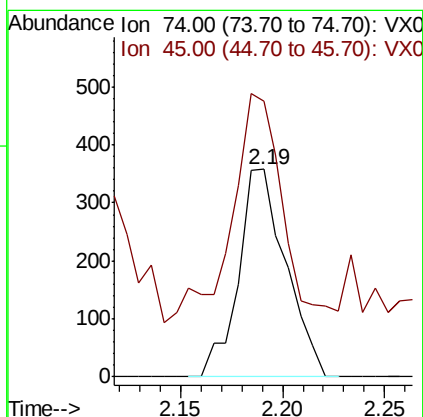
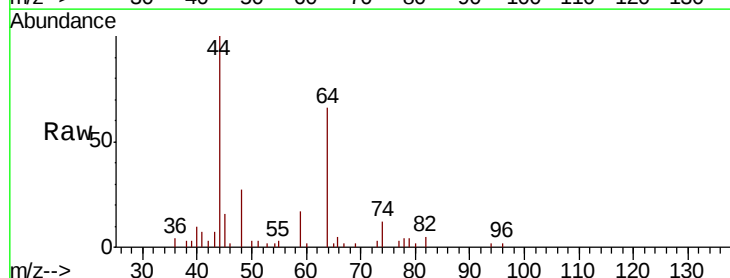
Acq: 09 Aug 2018 19:03

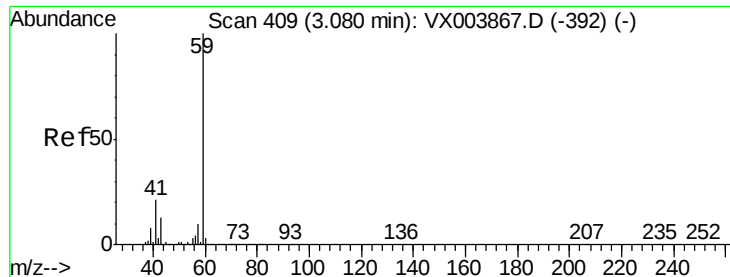
Tgt Ion: 74 Resp: 578

Ion Ratio Lower Upper

74 100

45 111.8 48.3 144.9

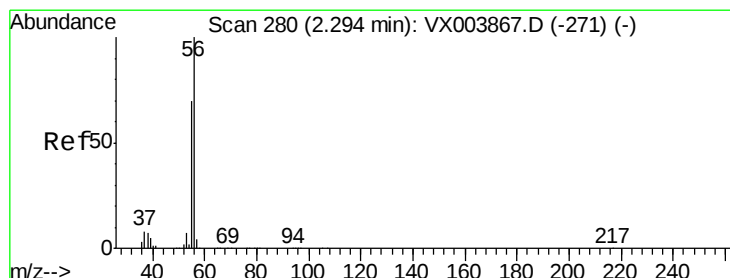
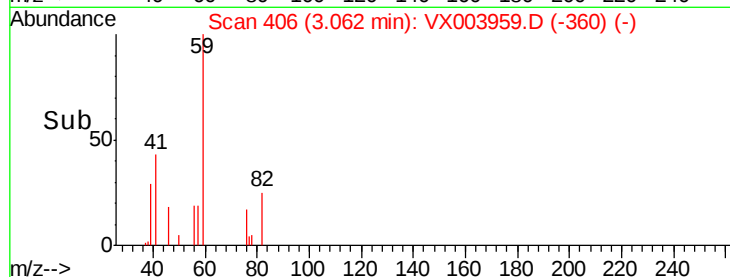
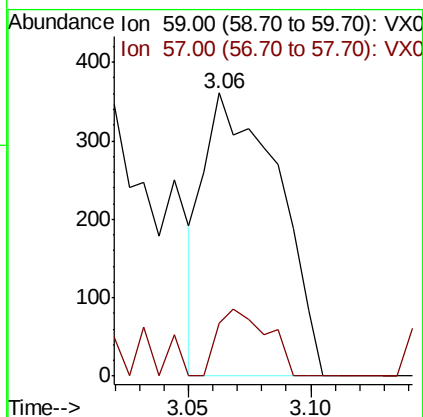
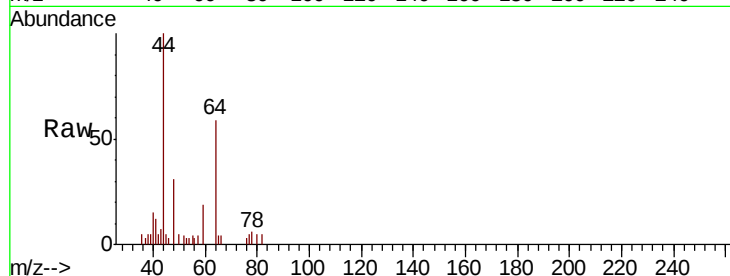




#11
Tert butyl alcohol
Concen: 0.81 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

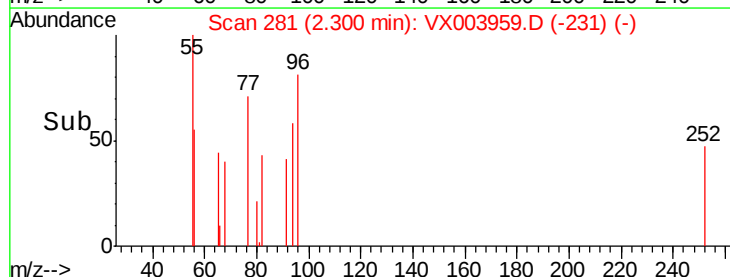
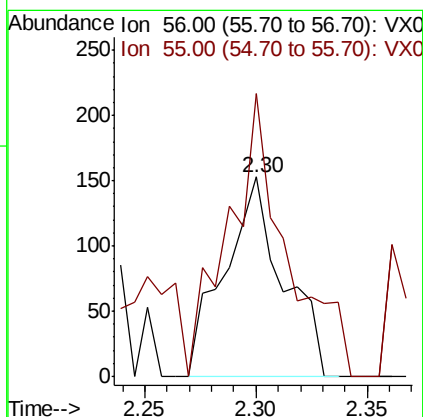
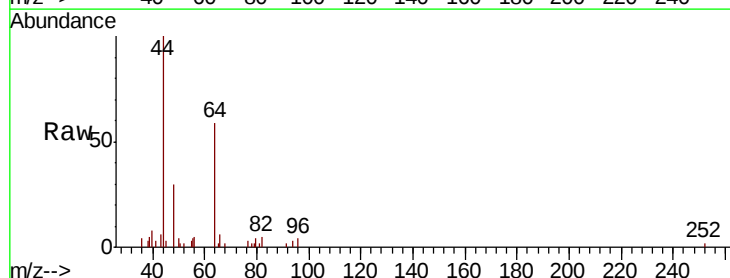
Instrument :
MSVOA_X
ClientSampleId :
MW-104D

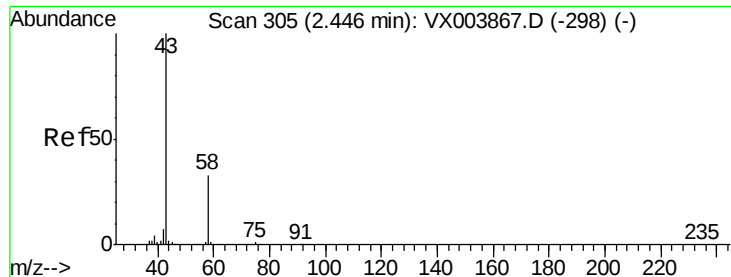
Tot Ion: 59 Resp: 759
Ion Ratio Lower Upper
59 100
57 16.2 8.1 12.1#



#13
Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 139.9 56.1 84.1#





#16

Acetone

Concen: 0.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

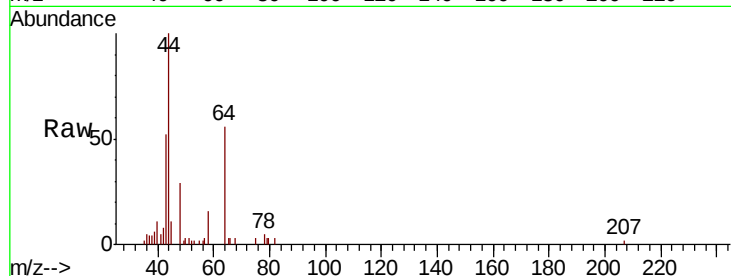
MW-104D

Tot Ion: 43 Resp: 2084

Ion Ratio Lower Upper

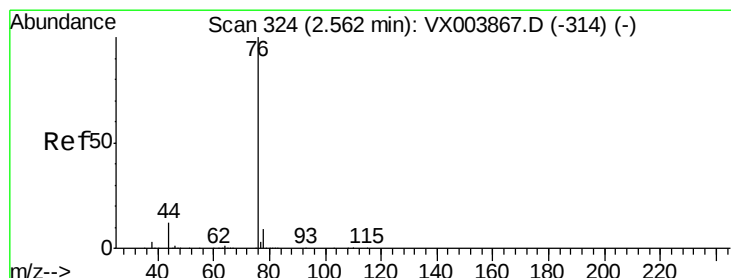
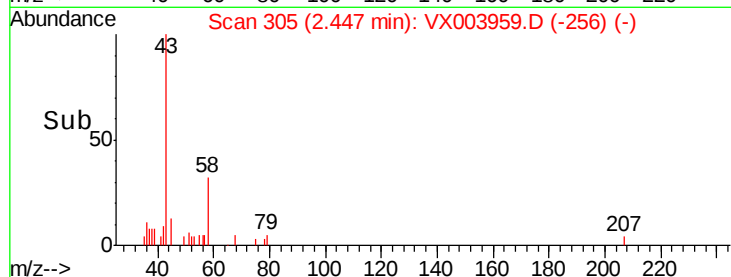
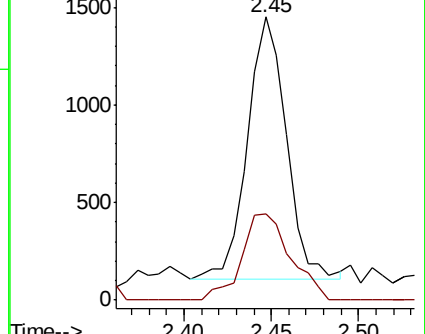
43 100

58 32.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.56 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003959.D

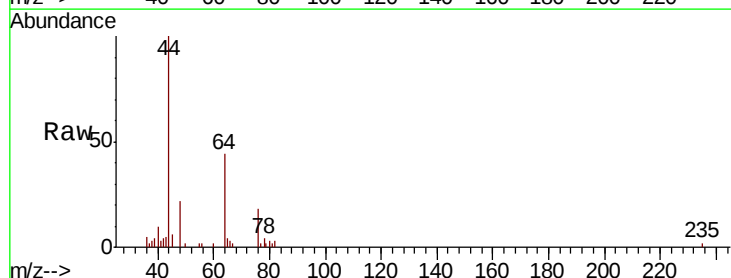
Acq: 09 Aug 2018 19:03

Tgt Ion: 76 Resp: 1133

Ion Ratio Lower Upper

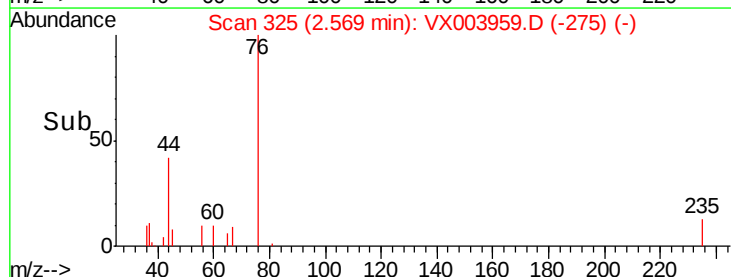
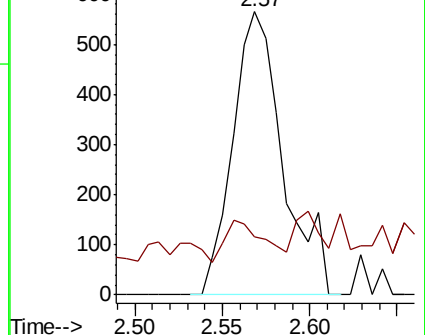
76 100

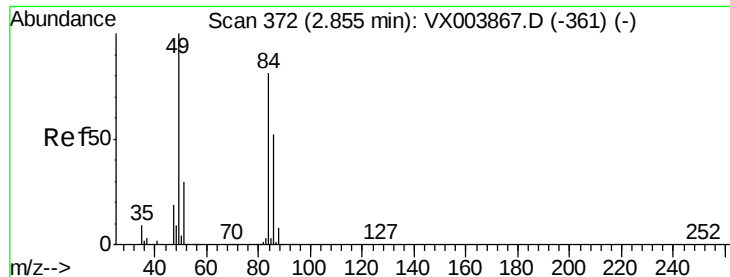
78 2.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

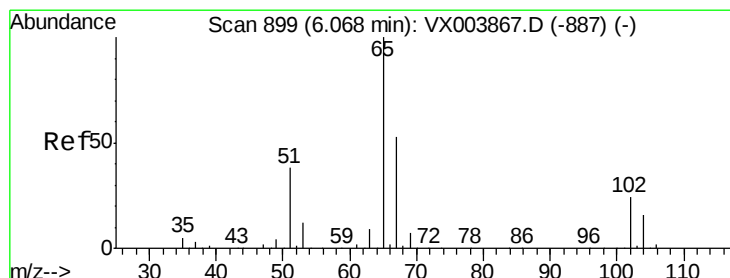
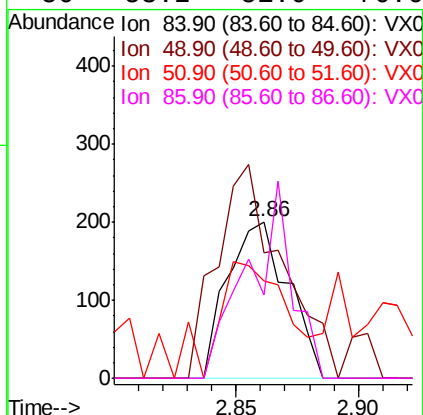
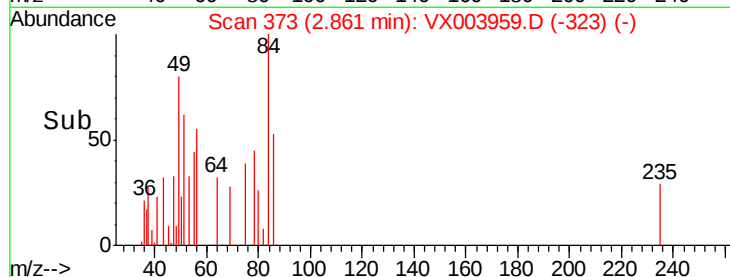
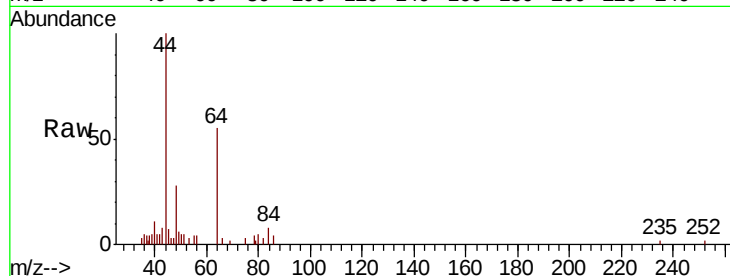




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

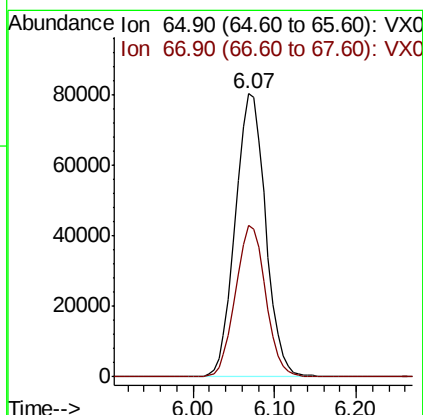
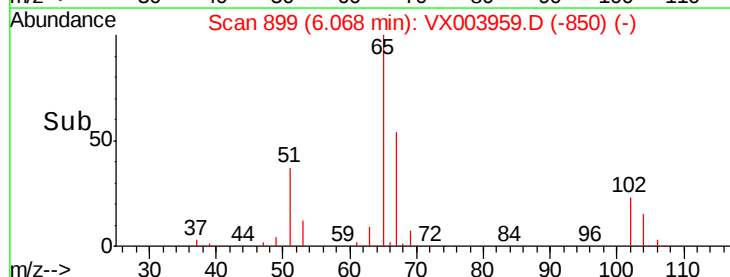
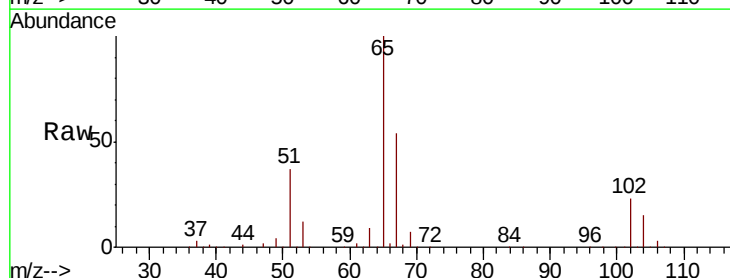
Instrument :
MSVOA_X
ClientSampleId :
MW-104D

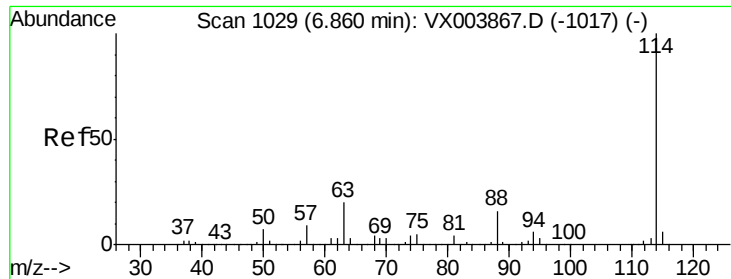
Tot Ion	Ratio	Lower	Upper
84	100		
49	80.1	98.9	148.3#
51	26.4	29.9	44.9#
86	53.2	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 53.23 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.8

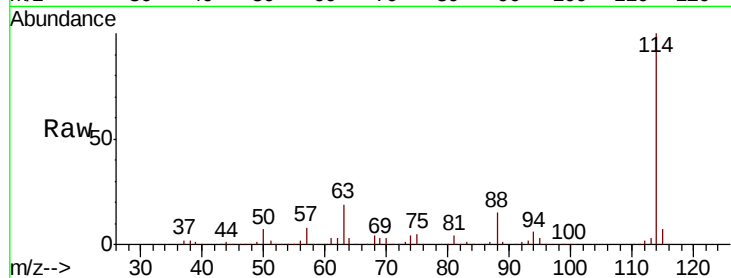




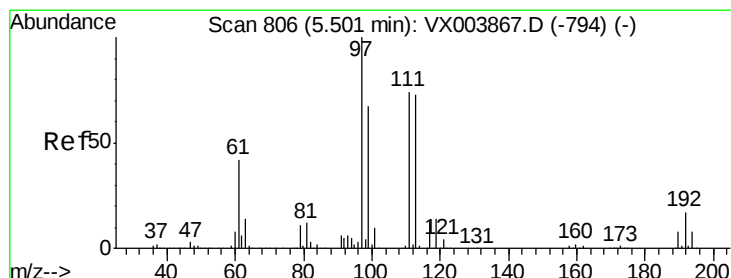
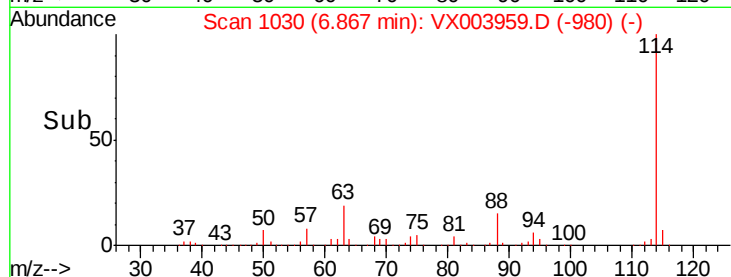
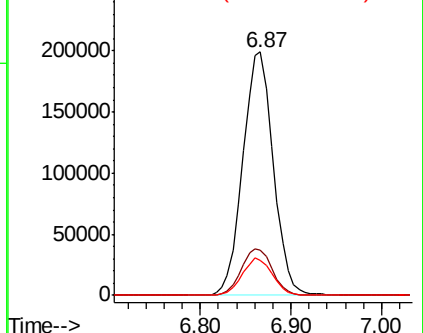
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampled :
MW-104D

Tot Ion:114 Resp: 463288
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.0
88 14.6 0.0 32.0

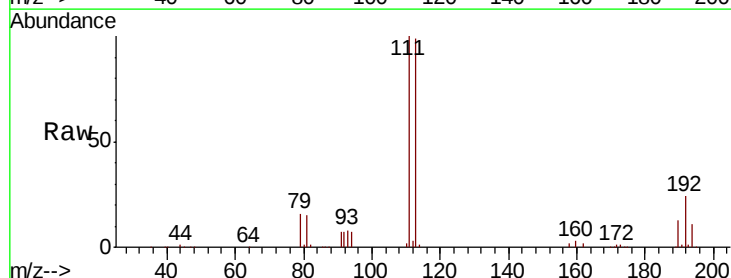


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

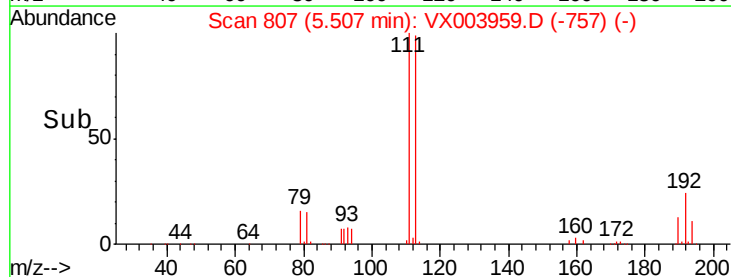
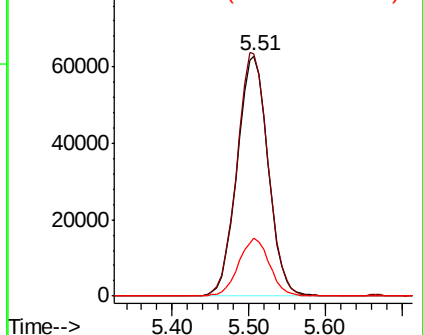


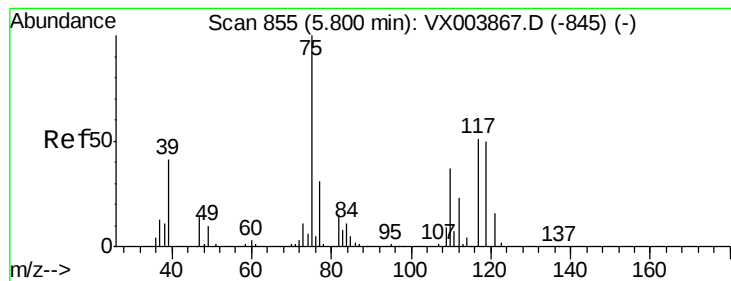
#35
Dibromofluoromethane
Concen: 50.25 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Tgt Ion:113 Resp: 176350
Ion Ratio Lower Upper
113 100
111 102.0 82.0 123.0
192 23.8 19.0 28.4



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: 3.79 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

MW-104D

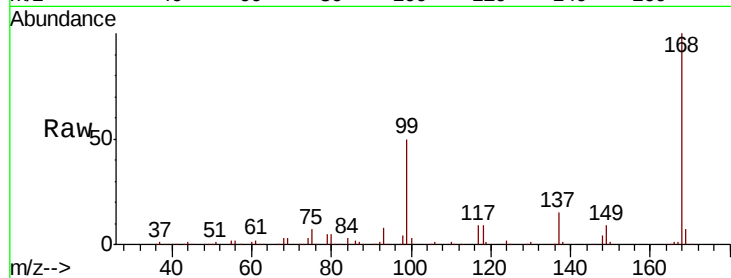
Tot Ion: 75 Resp: 19654

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

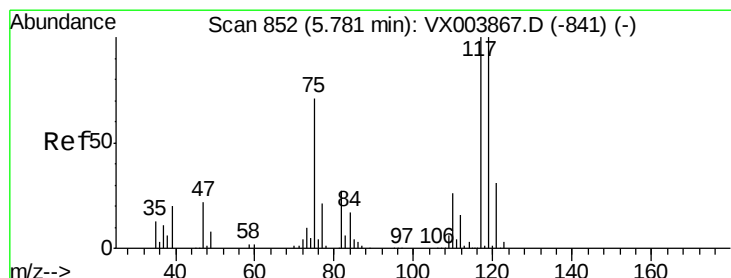
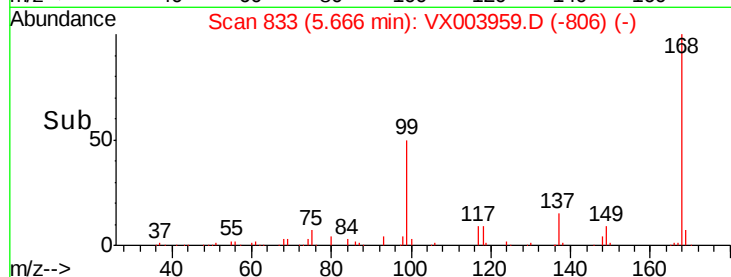
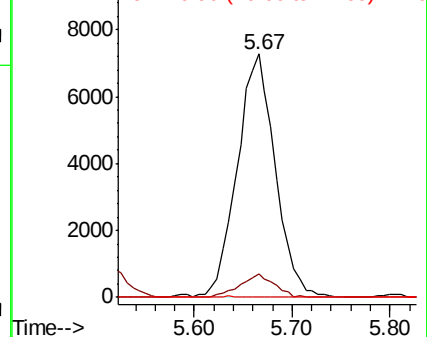
77 0.0 25.0 37.4#



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: 5.24 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

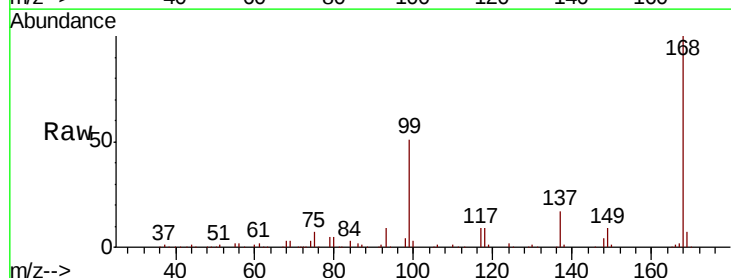
Tgt Ion: 117 Resp: 25863

Ion Ratio Lower Upper

117 100

119 6.8 79.5 119.3#

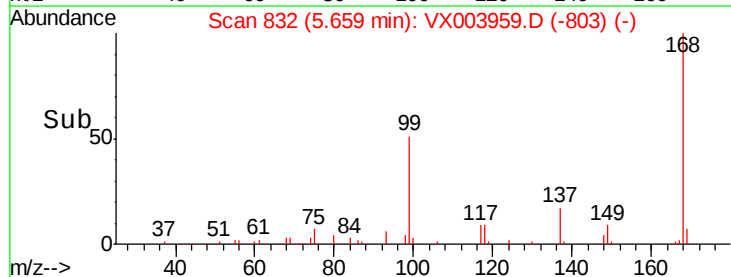
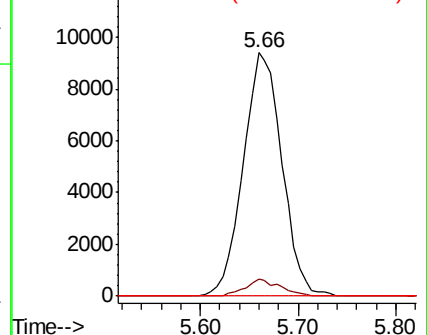
121 0.0 25.0 37.4#

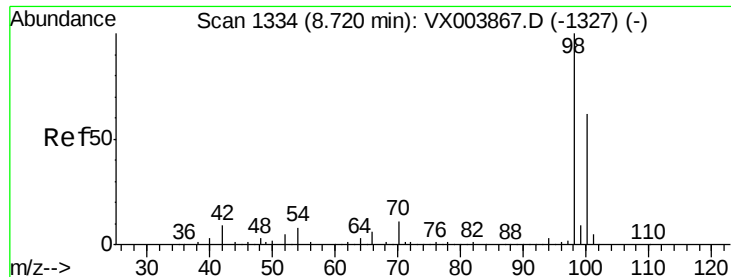


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.08 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

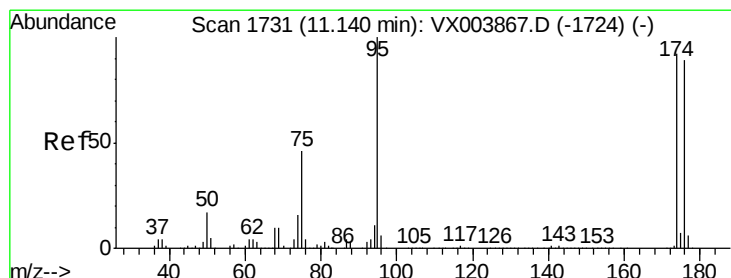
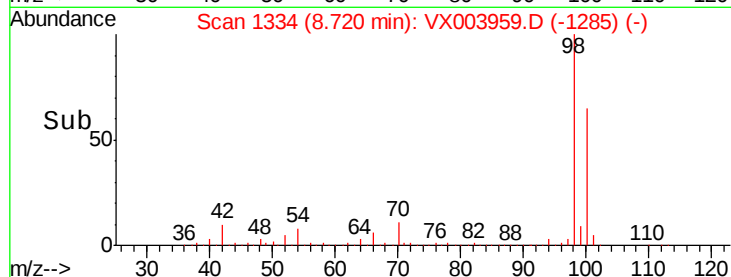
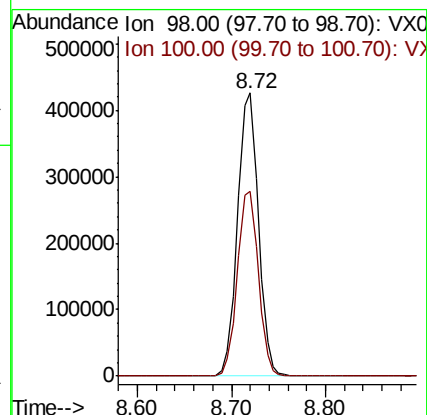
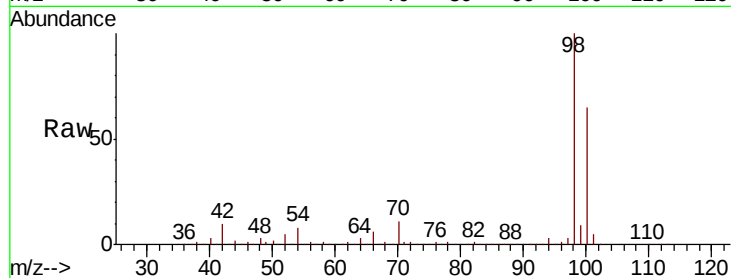
MW-104D

Tot Ion: 98 Resp: 656288

Ion Ratio Lower Upper

98 100

100 65.7 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 52.31 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

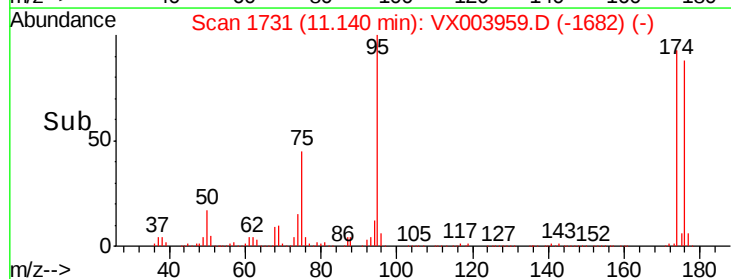
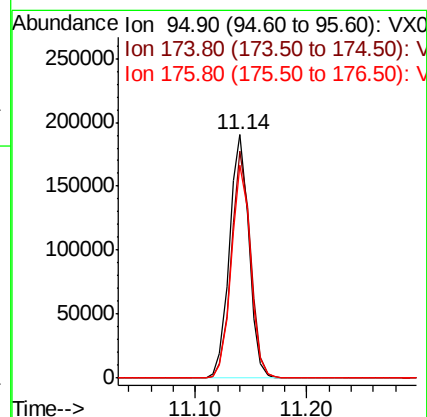
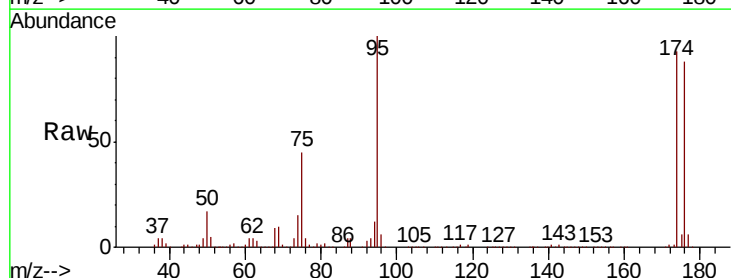
Tgt Ion: 95 Resp: 231041

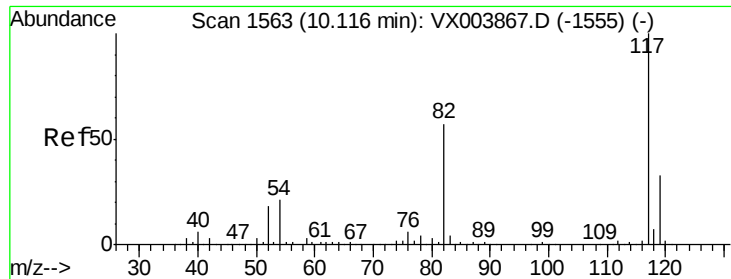
Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.8

176 86.9 0.0 179.0

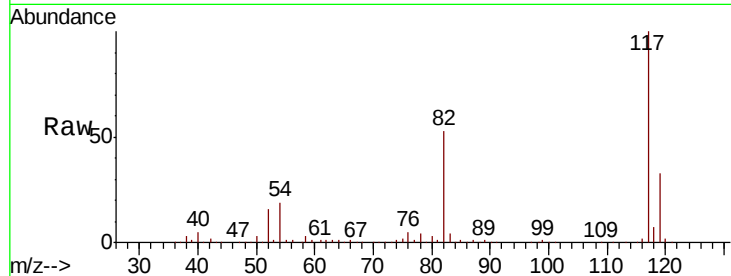




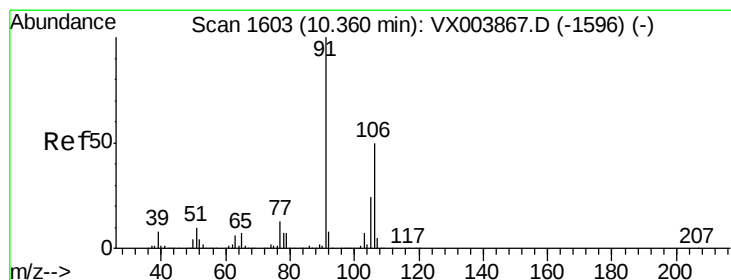
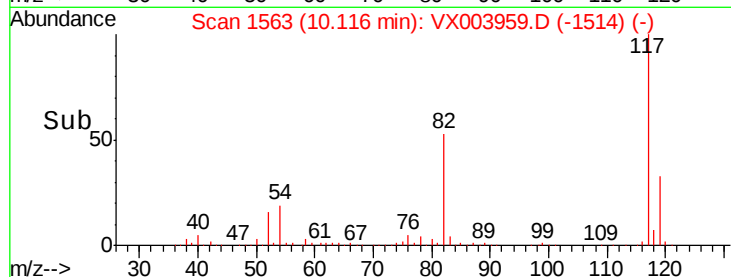
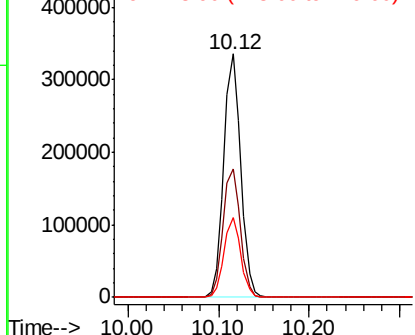
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampled :
MW-104D

Tot Ion:117 Resp: 439158
Ion Ratio Lower Upper
117 100
82 52.9 45.4 68.0
119 32.6 26.6 40.0

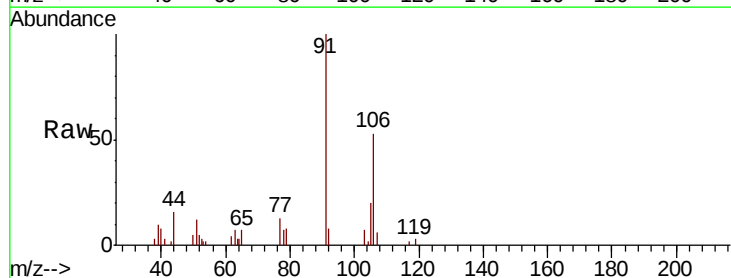


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

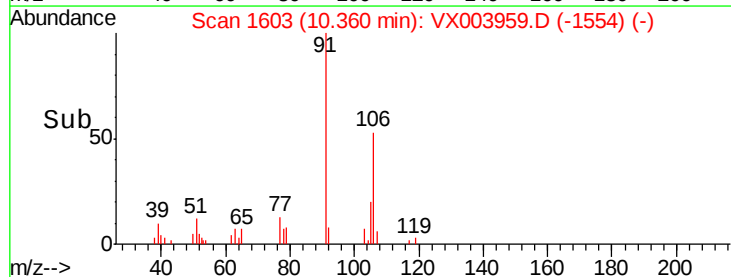
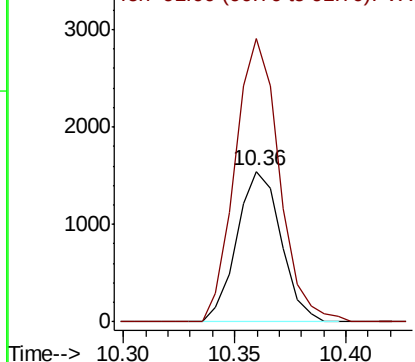


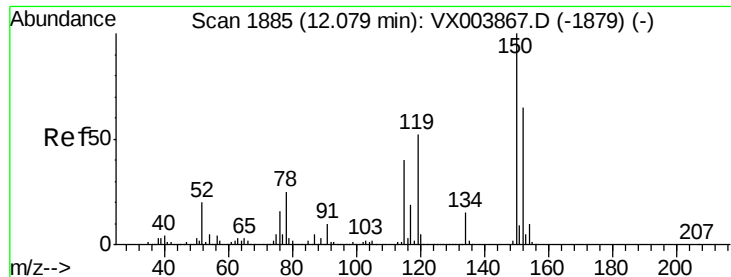
#68
m/p-Xylenes
Concen: 0.29 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Tgt Ion:106 Resp: 2134
Ion Ratio Lower Upper
106 100
91 188.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

MW-104D

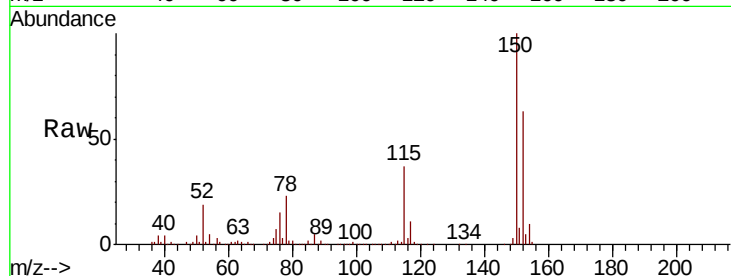
Tot Ion:152 Resp: 230435

Ion Ratio Lower Upper

152 100

115 56.5 39.1 117.3

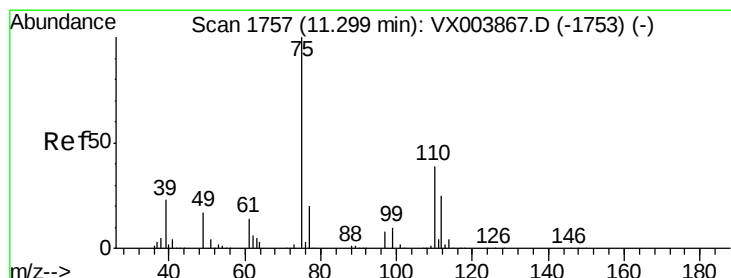
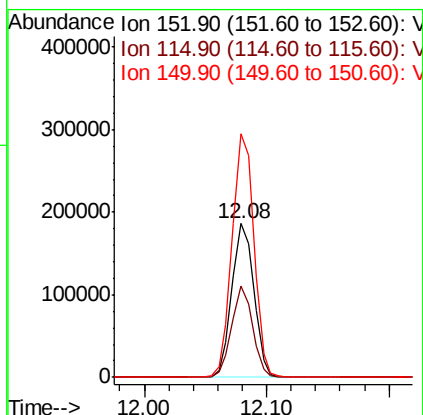
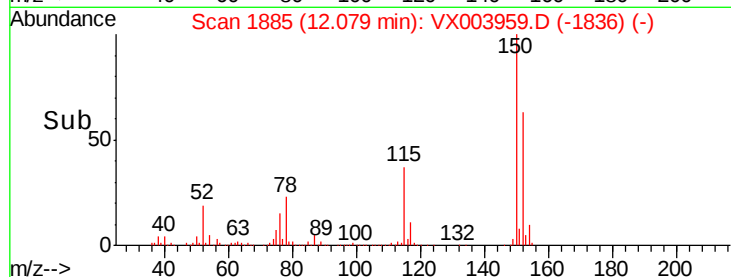
150 156.9 0.0 349.2



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: 21.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003959.D

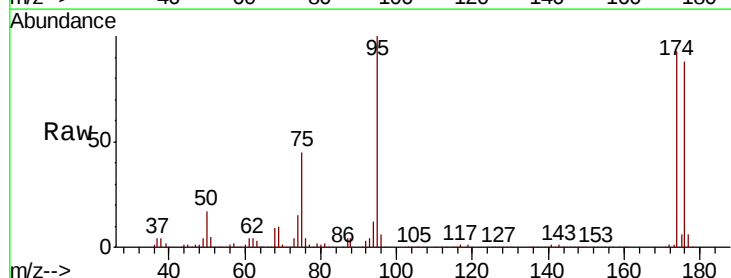
Acq: 09 Aug 2018 19:03

Tgt Ion: 75 Resp: 108021

Ion Ratio Lower Upper

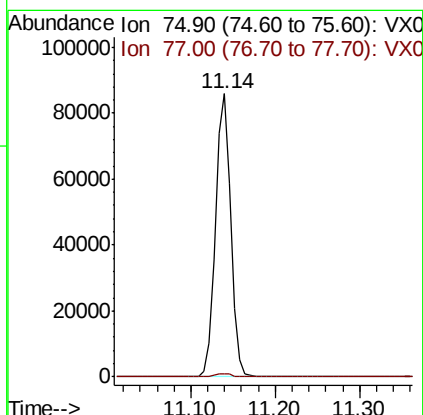
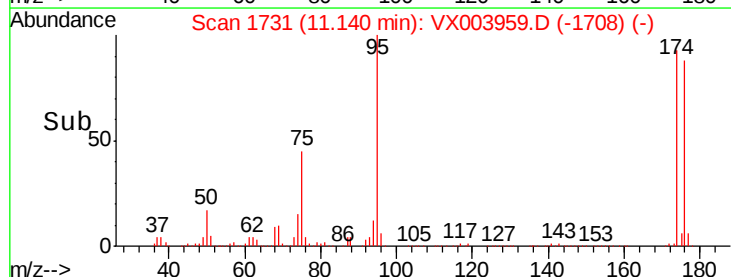
75 100

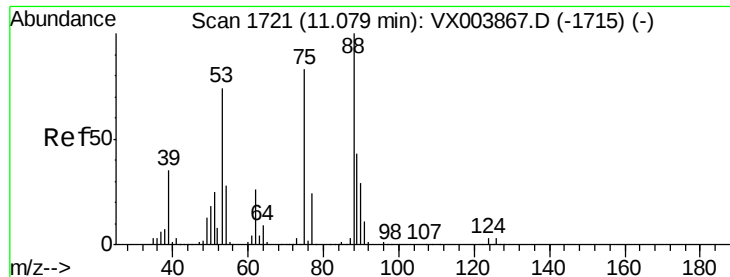
77 1.3 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

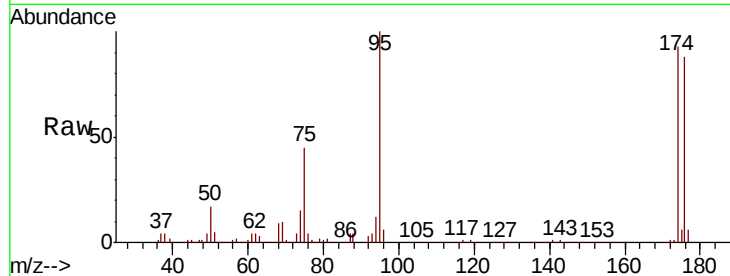




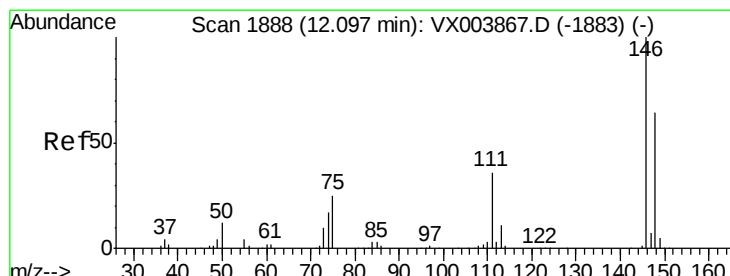
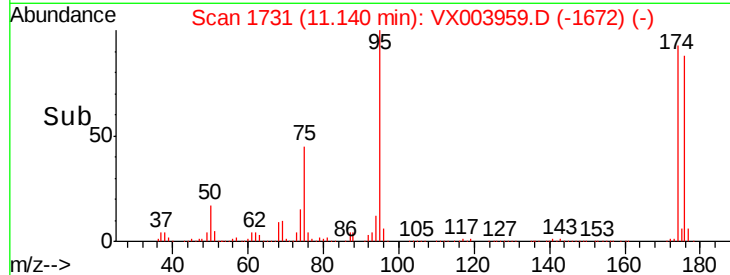
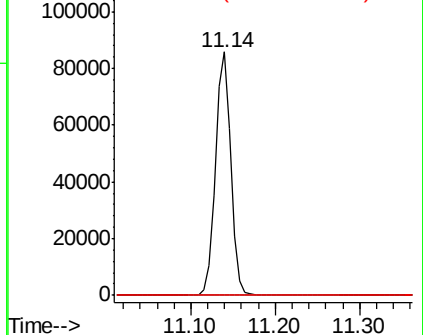
#81
trans-1,4-Dichloro-2-butene
Concen: 57.39 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Instrument :
MSVOA_X
ClientSampleId :
MW-104D

Tot Ion: 75 Resp: 108021
Ion Ratio Lower Upper
75 100
53 0.2 80.3 120.5#
89 0.0 37.8 56.8#

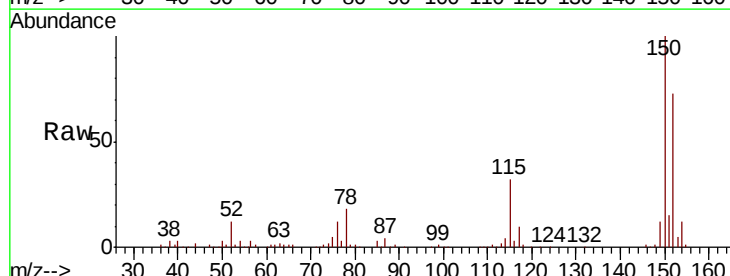


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

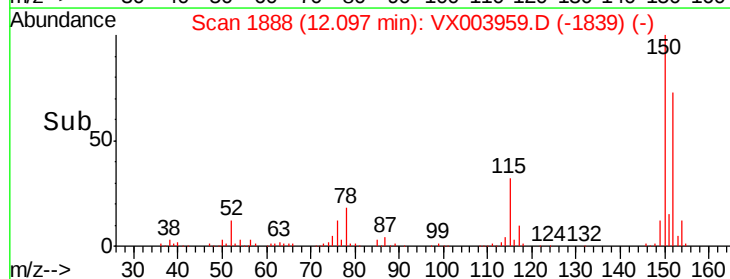
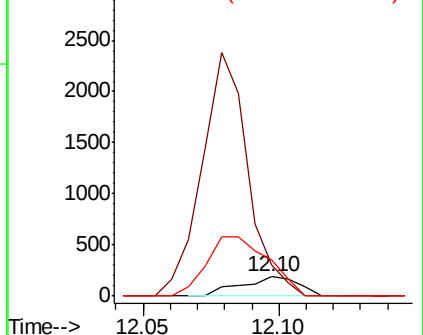


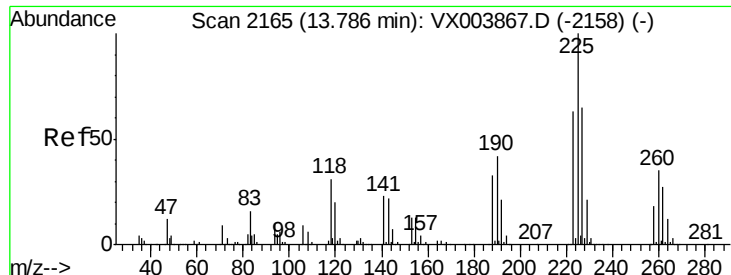
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.10 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VX003959.D
Acq: 09 Aug 2018 19:03

Tgt Ion: 146 Resp: 279
Ion Ratio Lower Upper
146 100
111 1005.0 18.4 55.0#
148 330.5 32.3 96.8#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.48 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003959.D

Acq: 09 Aug 2018 19:03

Instrument :

MSVOA_X

ClientSampleId :

MW-104D

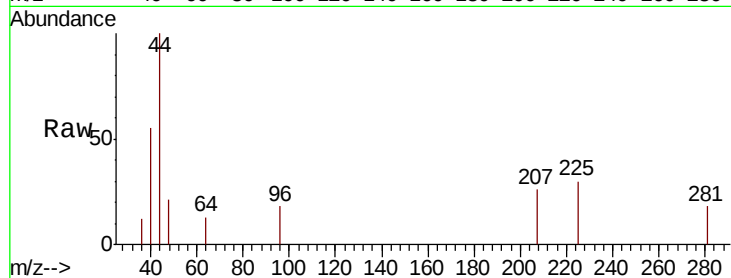
Tot Ion:225 Resp: 132

Ion Ratio Lower Upper

225 100

223 39.4 31.4 94.0

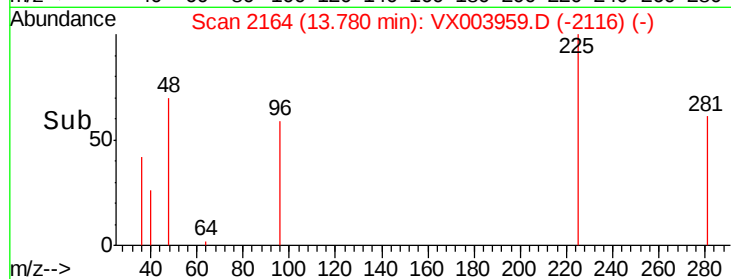
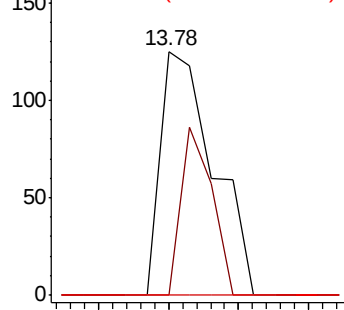
227 0.0 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->