

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081018\
 Data File : VX003976.D
 Acq On : 10 Aug 2018 14:57
 Operator : JC/MD
 Sample : J4379-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102D

Quant Time: Aug 11 01:44:43 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	303951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	482312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	458217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245123	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	214367	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
35) Dibromofluoromethane	5.51	113	185033	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	8.72	98	671186	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	11.14	95	237921	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

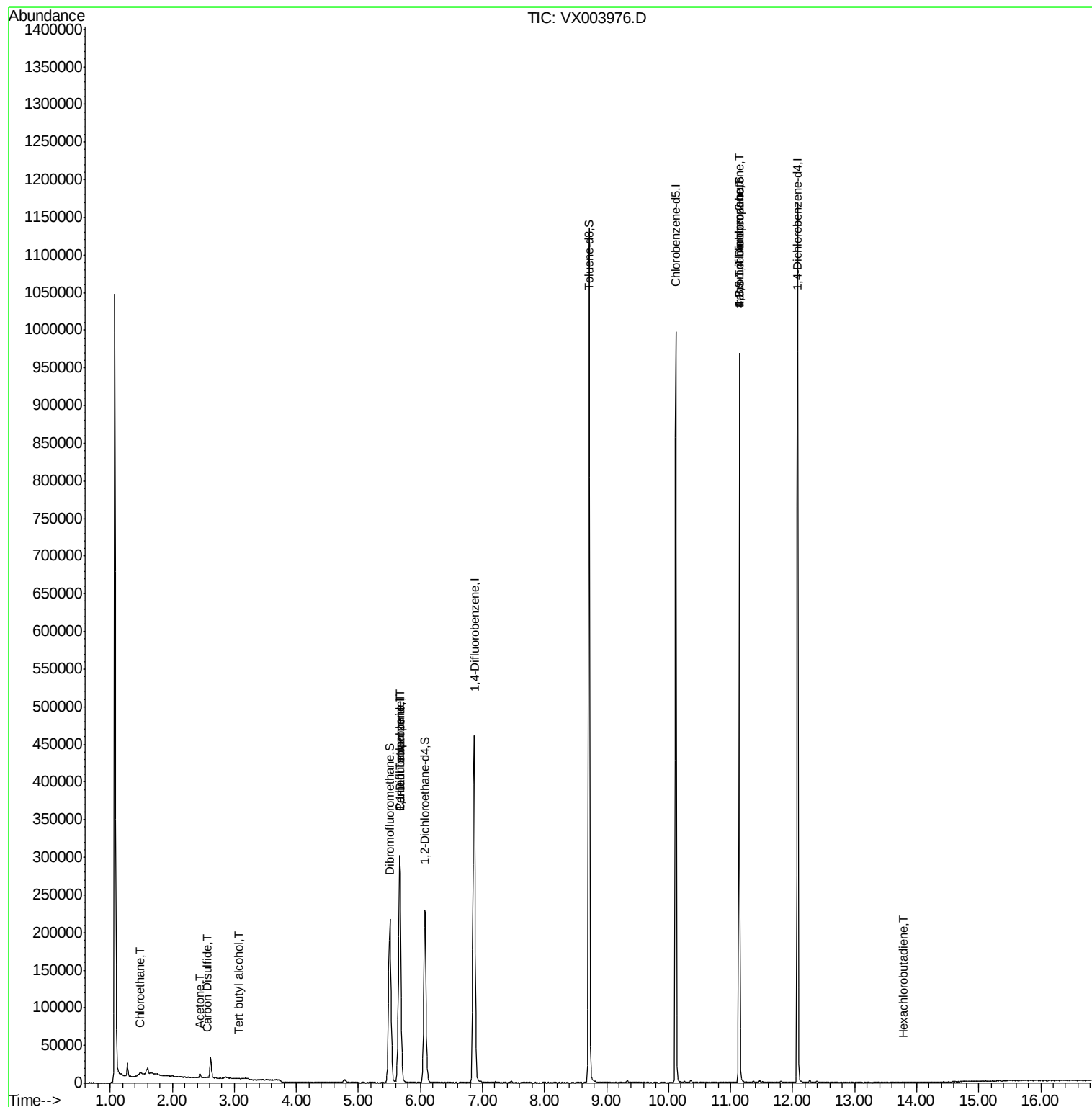
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	842	Below Cal	#	74
6) Chloroethane	1.48	64	4810	1.80	ug/l #	42
11) Tert butyl alcohol	3.07	59	214	0.22	ug/l	96
13) Acrolein	2.29	56	31	Below Cal	#	1
16) Acetone	2.45	43	5838	2.44	ug/l	92
17) Carbon Disulfide	2.57	76	1152	0.56	ug/l #	88
20) Methylene Chloride	2.86	84	824	Below Cal	#	90
36) 1,1-Dichloropropene	5.67	75	20784	3.85	ug/l #	49
38) Carbon Tetrachloride	5.67	117	27280	5.31	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	112947	20.86	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	112947	56.45	ug/l #	9
88) 1,4-Dichlorobenzene	12.03	146	334	Below Cal		91
94) Hexachlorobutadiene	13.78	225	146	0.48	ug/l	87

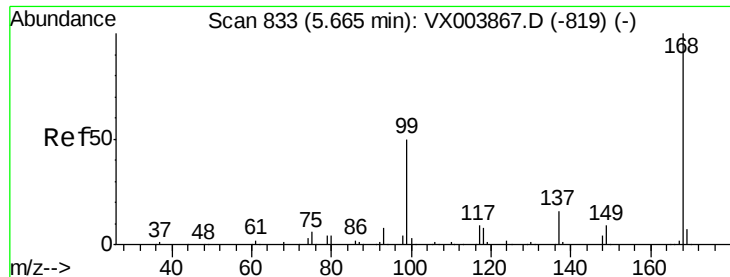
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 07 07:45:48 2018
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: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

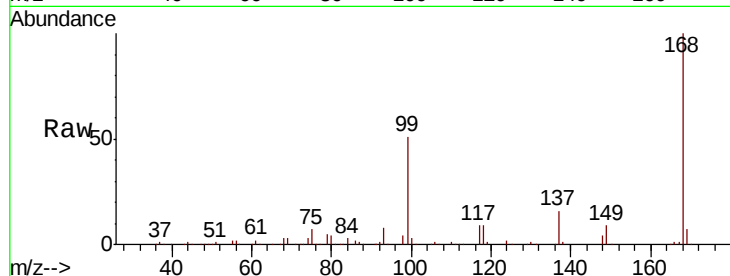
MW-102D

Tot Ion:168 Resp: 303951

Ion Ratio Lower Upper

168 100

99 50.7 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

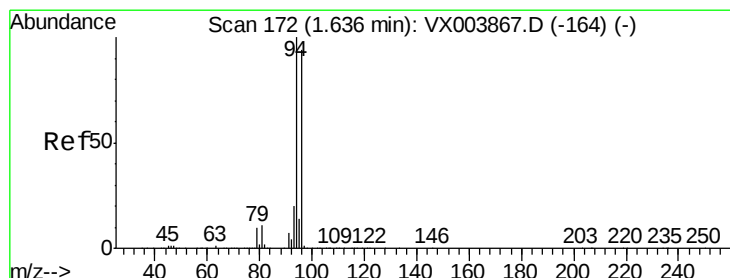
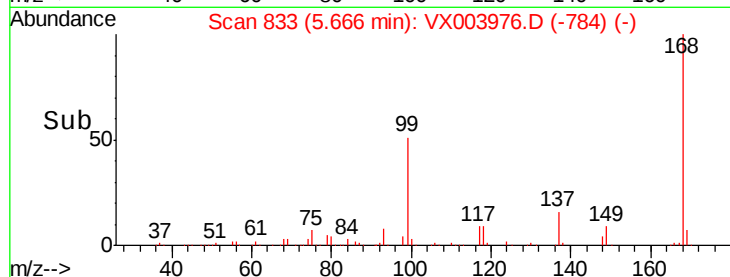
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003976.D

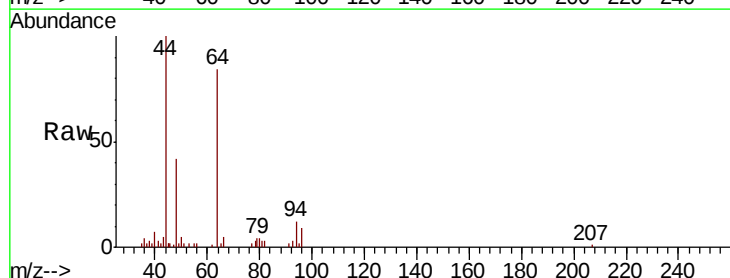
Acq: 10 Aug 2018 14:57

Tgt Ion: 94 Resp: 842

Ion Ratio Lower Upper

94 100

96 69.0 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

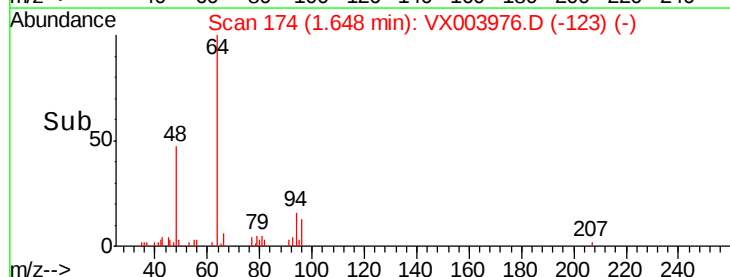
200

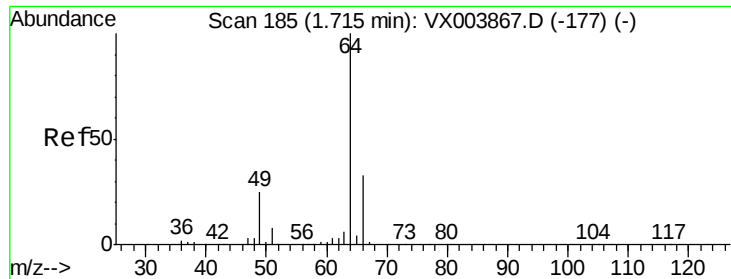
100

0

Time-->

1.60 1.65 1.70

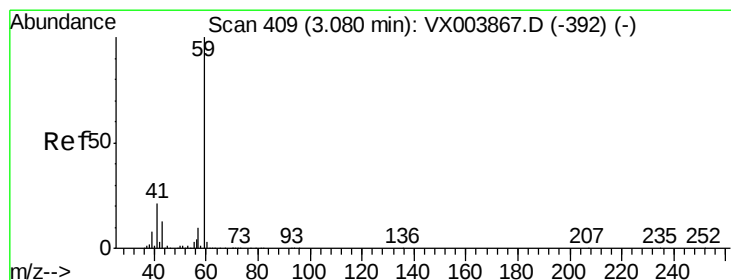
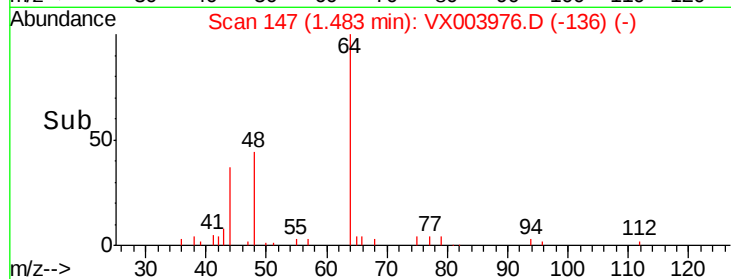
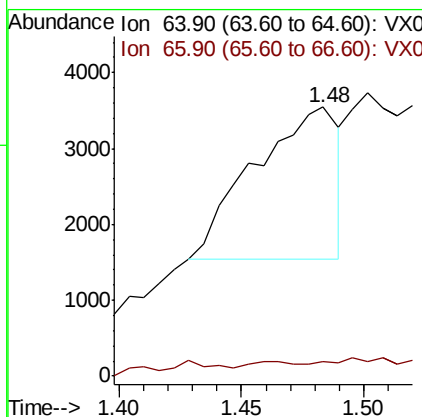
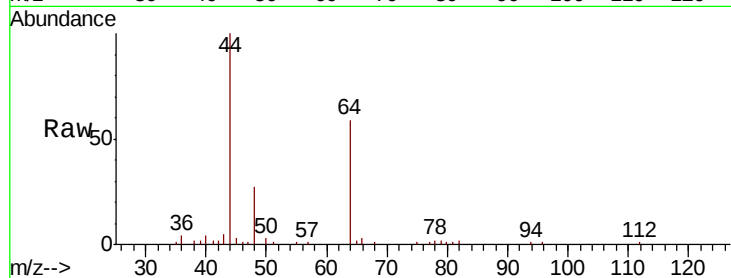




#6
 Chloroethane
 Concen: 1.80 ug/l
 RT: 1.48 min Scan# 147
 Delta R.T. -0.23 min
 Lab File: VX003976.D
 Acq: 10 Aug 2018 14:57

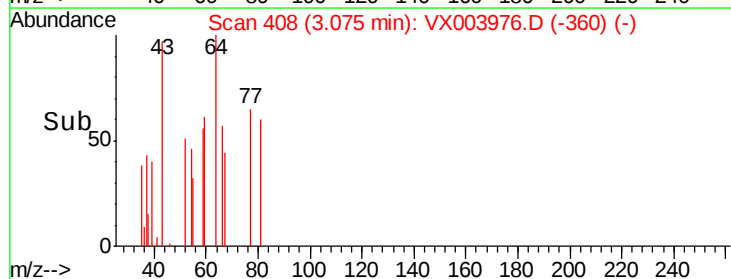
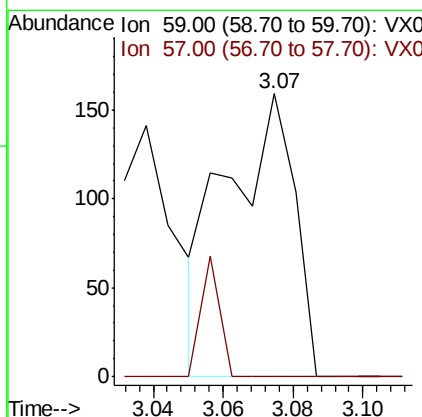
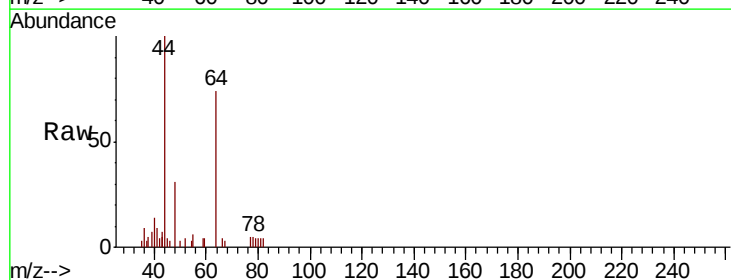
Instrument :
 MSVOA_X
 ClientSampled :
 MW-102D

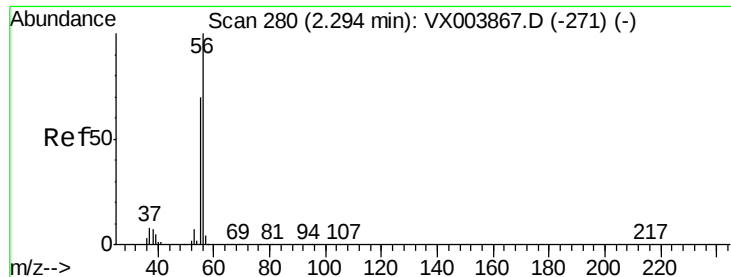
Tot Ion: 64 Resp: 4810
 Ion Ratio Lower Upper
 64 100
 66 0.4 26.5 39.7#



#11
 Tert butyl alcohol
 Concen: 0.22 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003976.D
 Acq: 10 Aug 2018 14:57

Tgt Ion: 59 Resp: 214
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.1 12.1





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

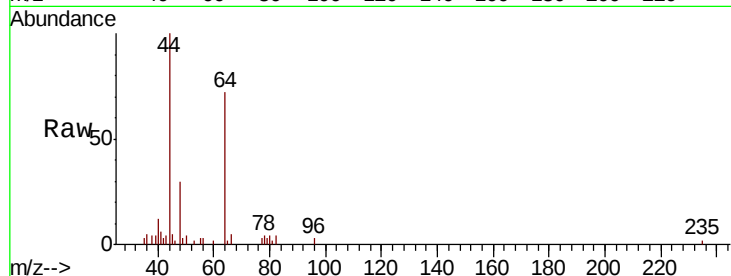
MW-102D

Tot Ion: 56 Resp: 31

Ion Ratio Lower Upper

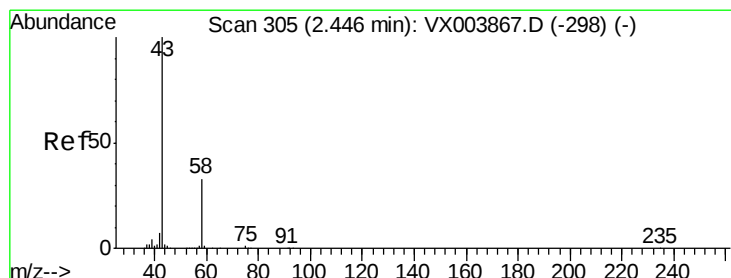
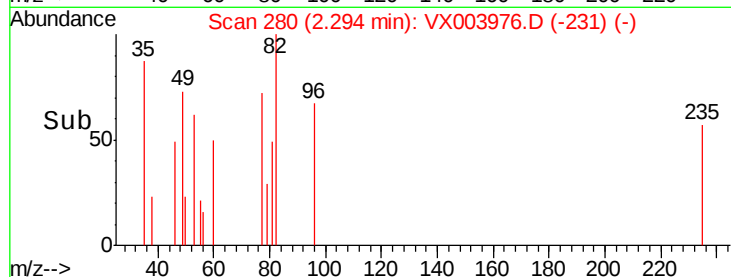
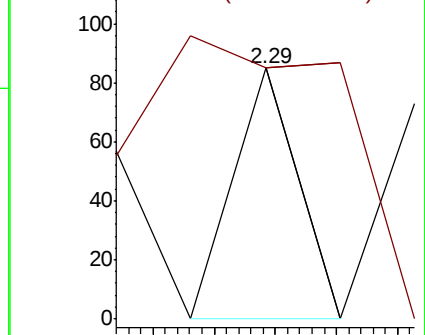
56 100

55 316.1 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.44 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003976.D

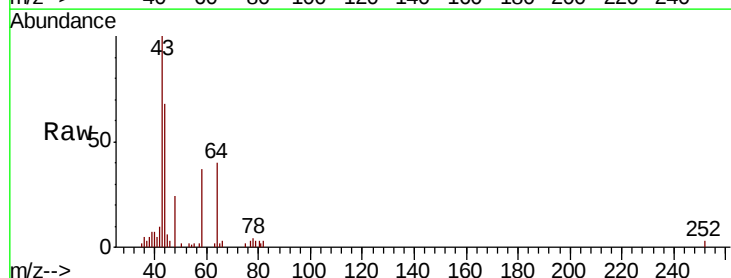
Acq: 10 Aug 2018 14:57

Tgt Ion: 43 Resp: 5838

Ion Ratio Lower Upper

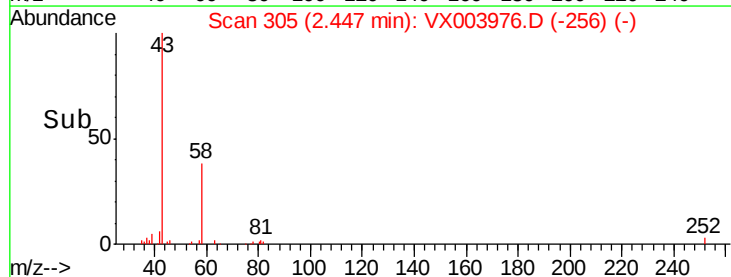
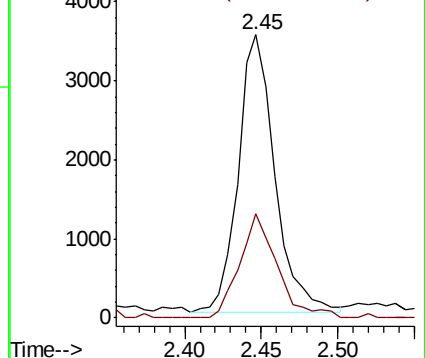
43 100

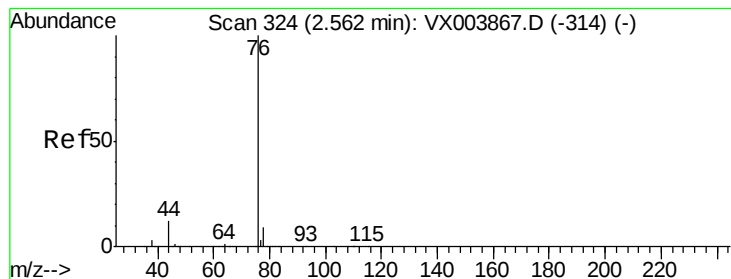
58 37.4 26.4 39.6



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: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

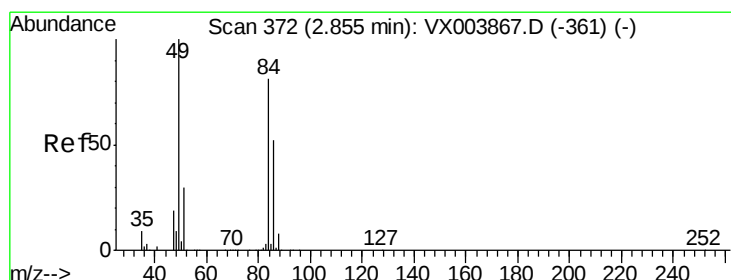
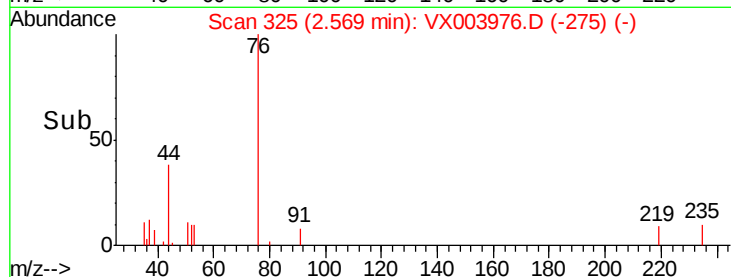
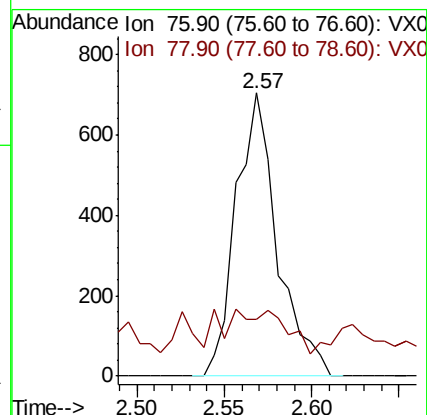
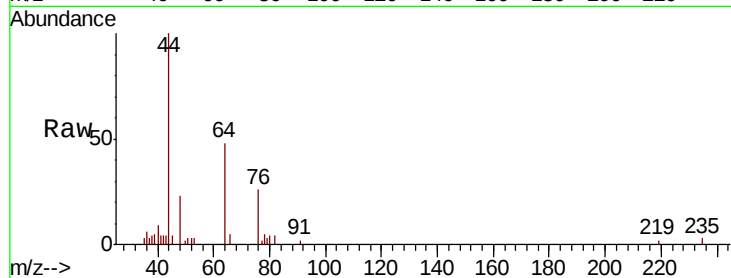
MW-102D

Tot Ion: 76 Resp: 1152

Ion Ratio Lower Upper

76 100

78 5.0 7.5 11.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Tgt Ion: 84 Resp: 824

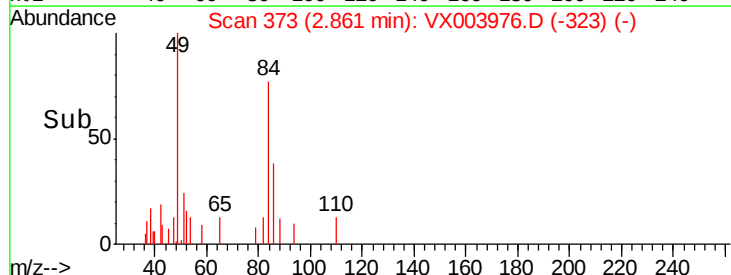
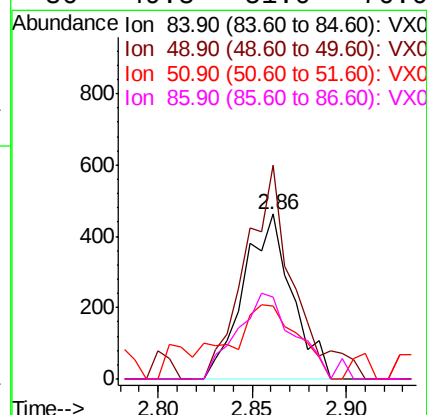
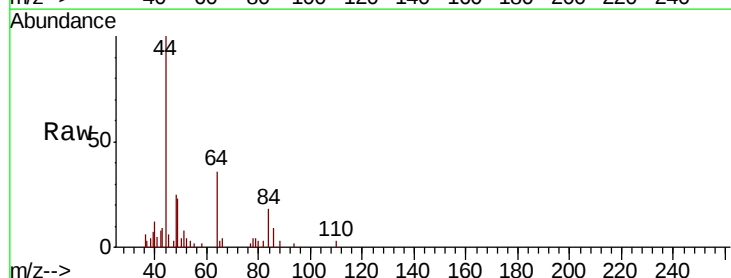
Ion Ratio Lower Upper

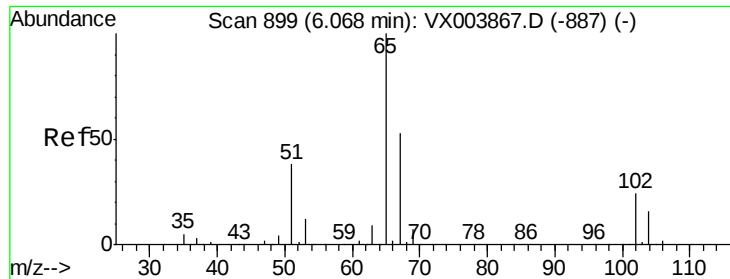
84 100

49 129.7 98.9 148.3

51 44.2 29.9 44.9

86 49.8 51.0 76.6#

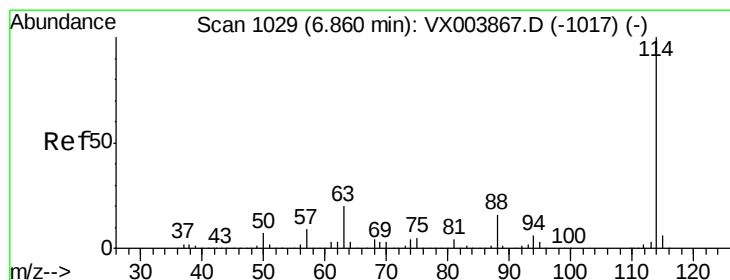
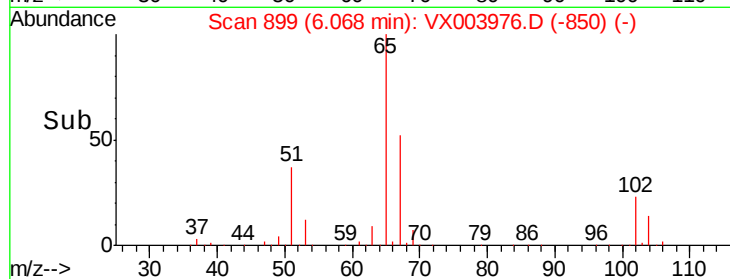
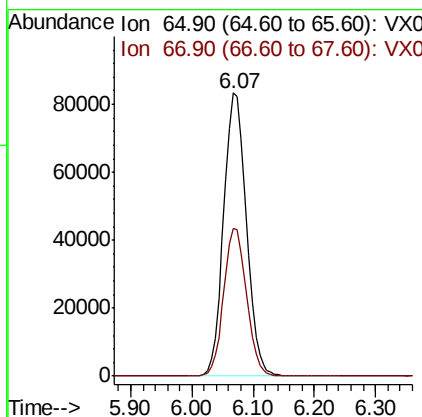
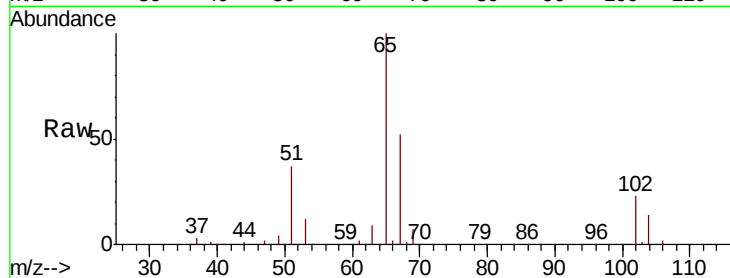




#33
 1,2-Dichloroethane-d4
 Concen: 53.20 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003976.D
 Acq: 10 Aug 2018 14:57

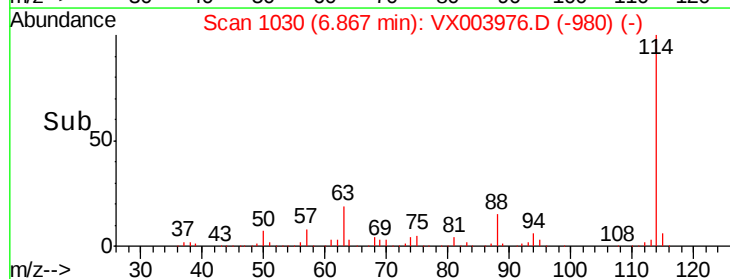
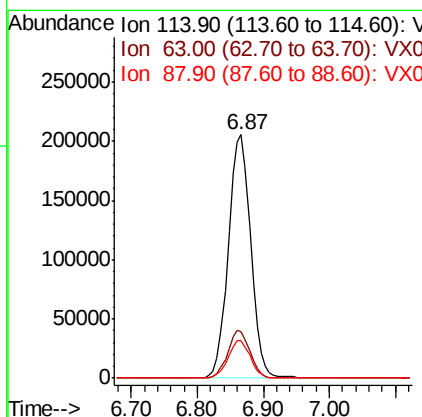
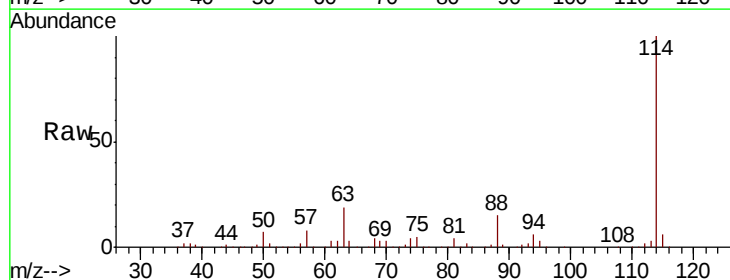
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102D

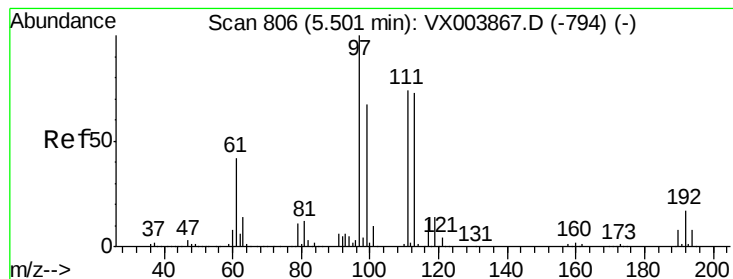
Tot Ion: 65 Resp: 214367
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003976.D
 Acq: 10 Aug 2018 14:57

Tgt Ion: 114 Resp: 482312
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

MW-102D

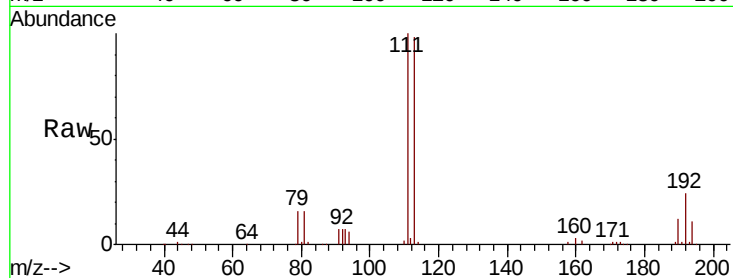
Tot Ion:113 Resp: 185033

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

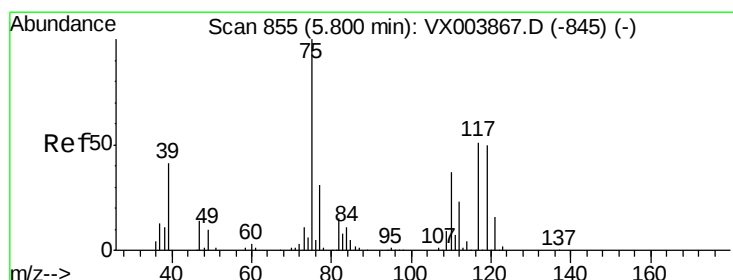
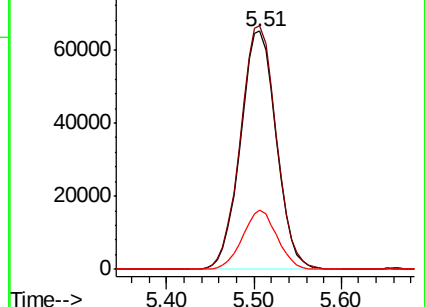
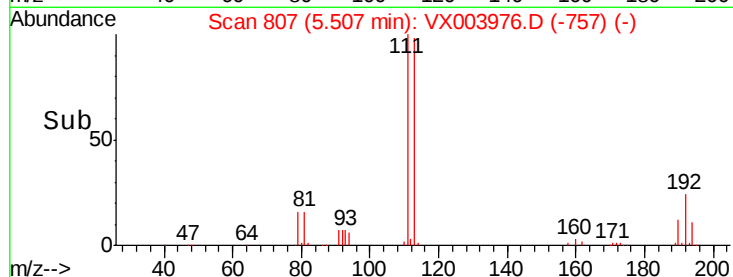
192 23.8 19.0 28.4



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: 3.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

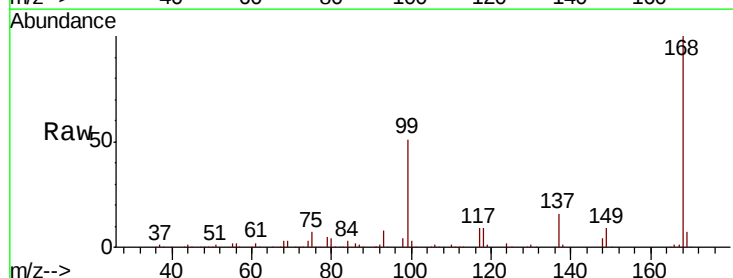
Tgt Ion: 75 Resp: 20784

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

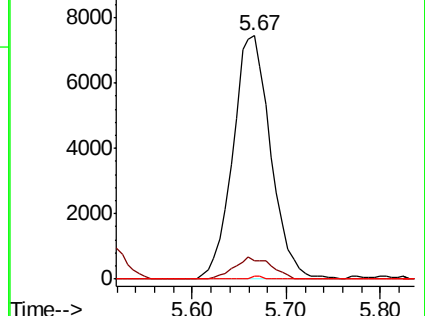
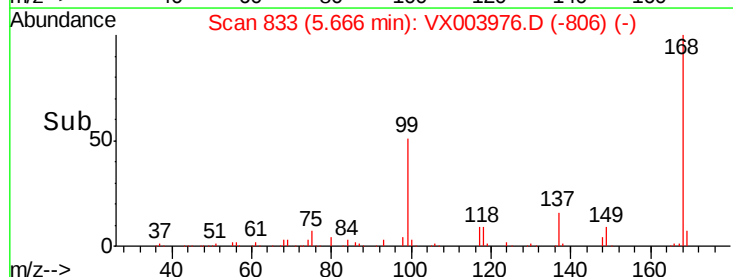
77 0.3 25.0 37.4#

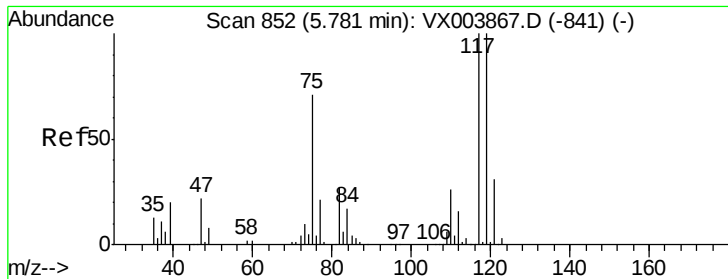


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.31 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

MW-102D

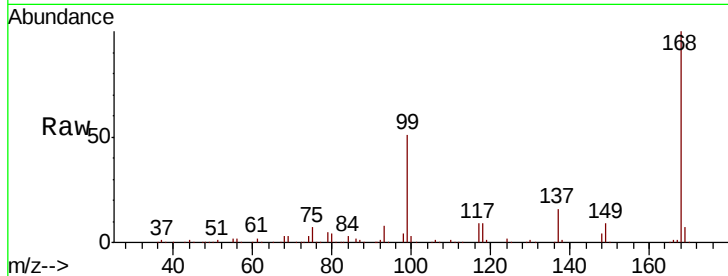
Tot Ion:117 Resp: 27280

Ion Ratio Lower Upper

117 100

119 6.5 79.5 119.3#

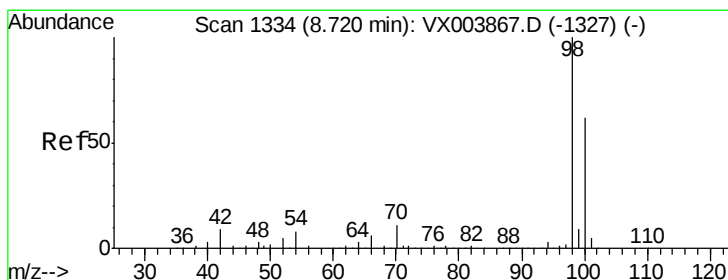
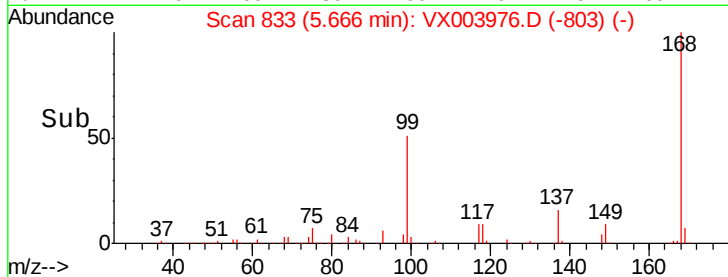
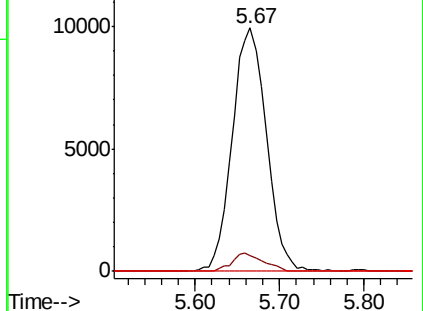
121 0.0 25.0 37.4#



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: 47.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003976.D

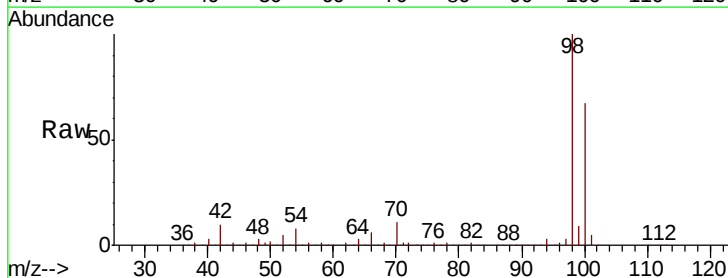
Acq: 10 Aug 2018 14:57

Tgt Ion: 98 Resp: 671186

Ion Ratio Lower Upper

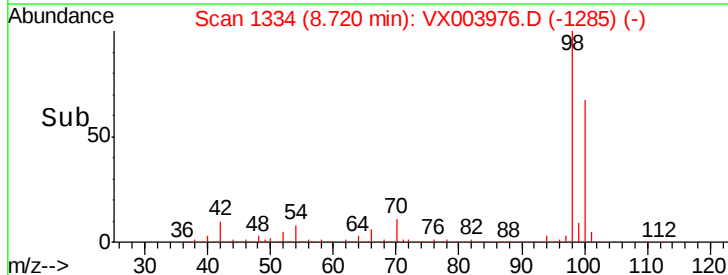
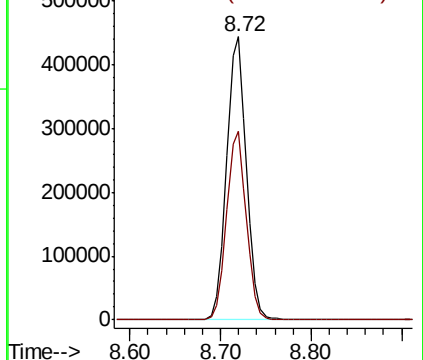
98 100

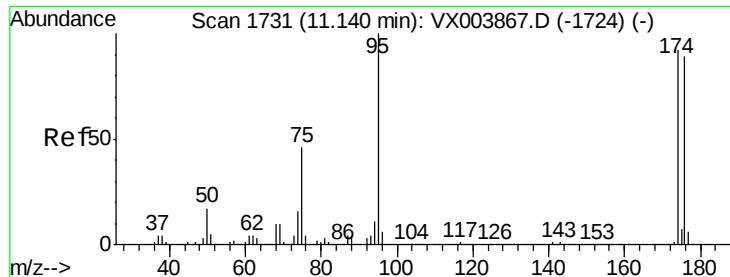
100 66.4 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

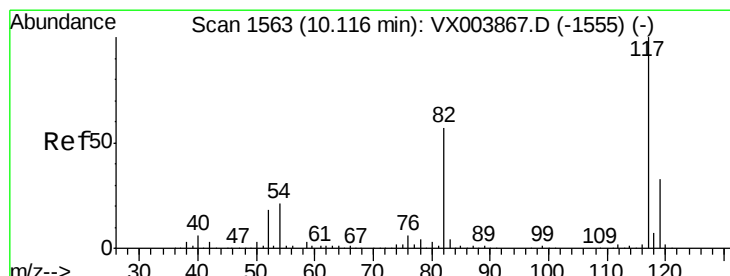
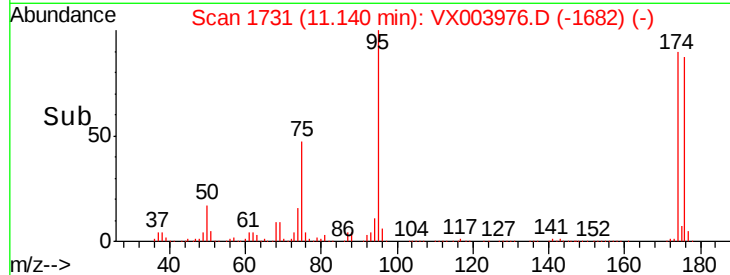
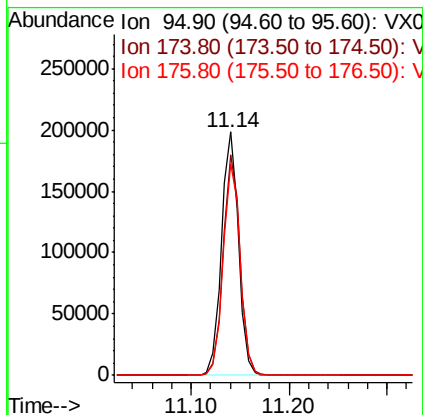
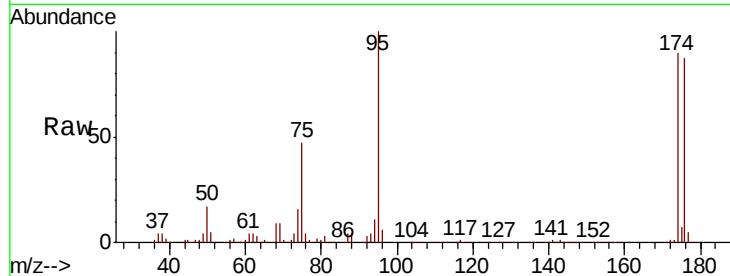




#62
4-Bromofluorobenzene
Concen: 51.75 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003976.D
Acq: 10 Aug 2018 14:57

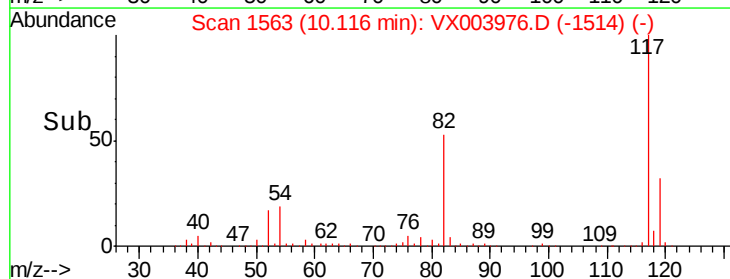
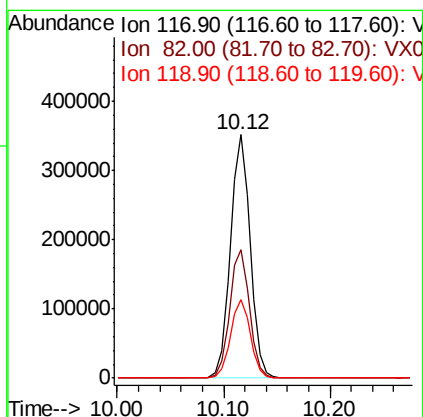
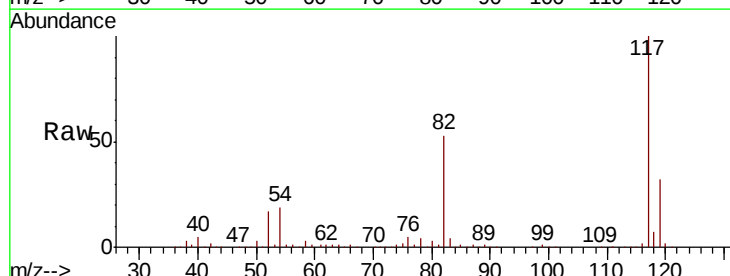
Instrument :
MSVOA_X
ClientSampleId :
MW-102D

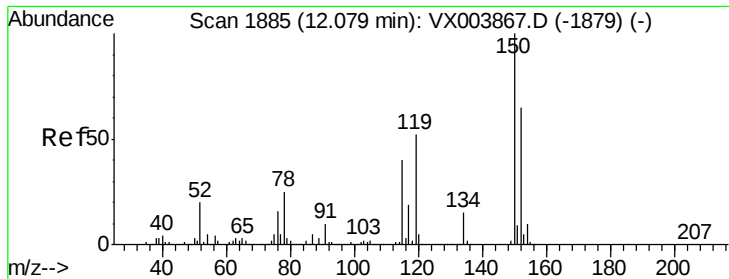
Tot Ion: 95 Resp: 237921
Ion Ratio Lower Upper
95 100
174 90.5 0.0 182.8
176 87.2 0.0 179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003976.D
Acq: 10 Aug 2018 14:57

Tgt Ion: 117 Resp: 458217
Ion Ratio Lower Upper
117 100
82 52.6 45.4 68.0
119 32.2 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

MW-102D

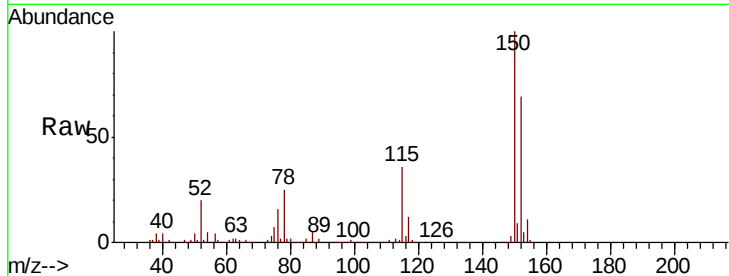
Tot Ion:152 Resp: 245123

Ion Ratio Lower Upper

152 100

115 54.1 39.1 117.3

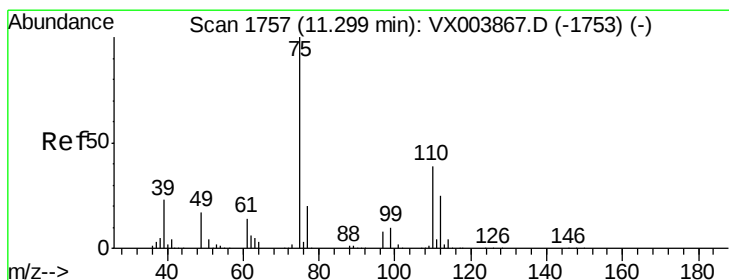
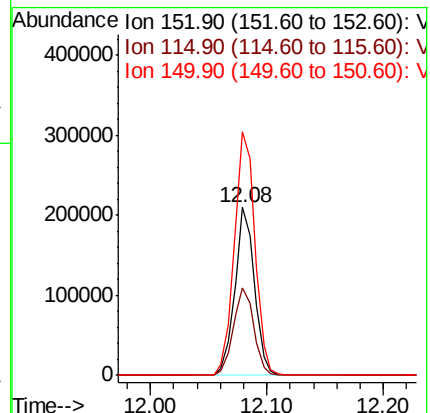
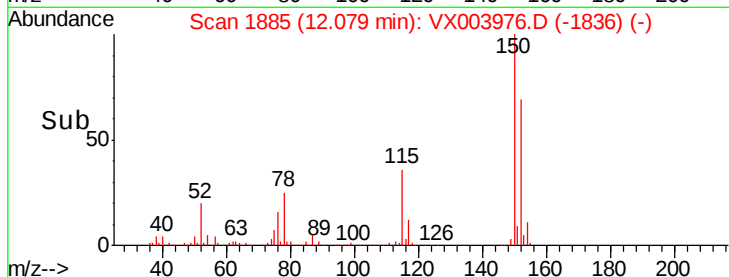
150 153.3 0.0 349.2



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: 20.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003976.D

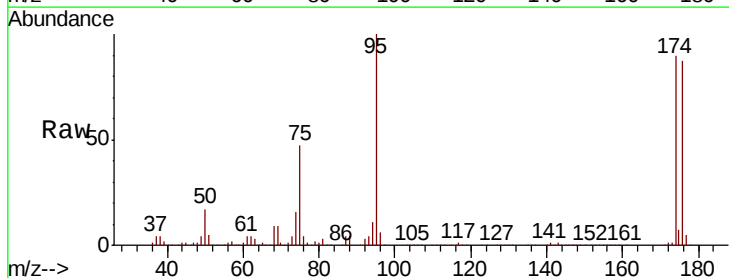
Acq: 10 Aug 2018 14:57

Tgt Ion: 75 Resp: 112947

Ion Ratio Lower Upper

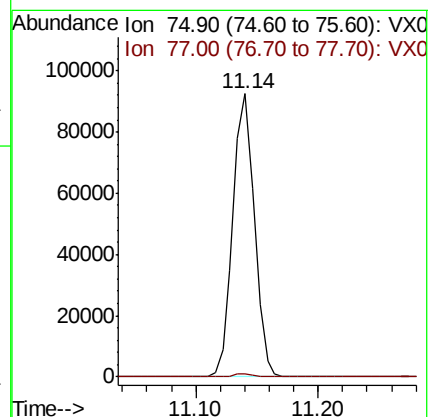
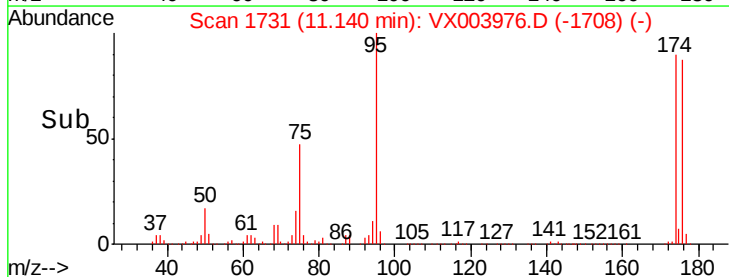
75 100

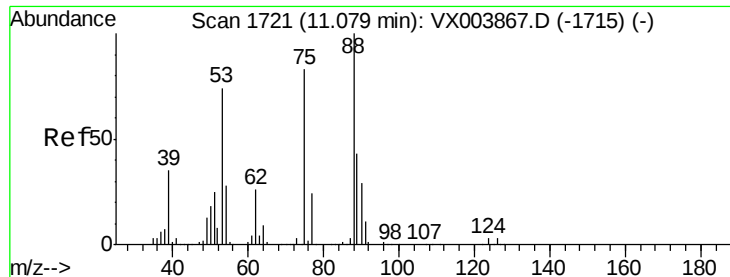
77 1.2 20.8 62.5#



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: 56.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

MW-102D

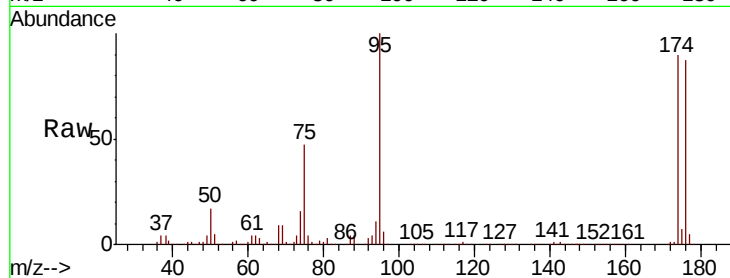
Tot Ion: 75 Resp: 112947

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

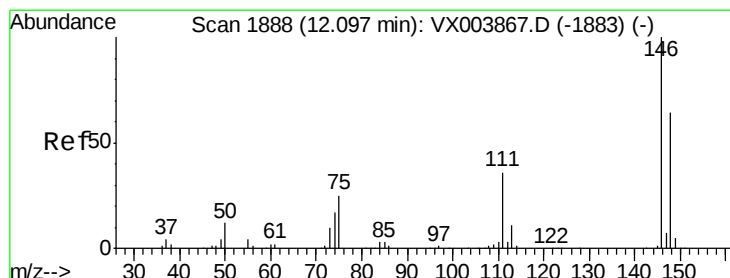
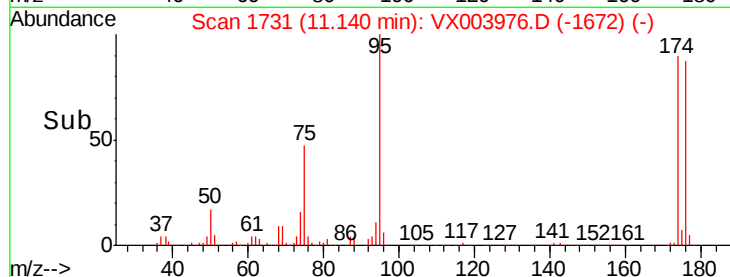
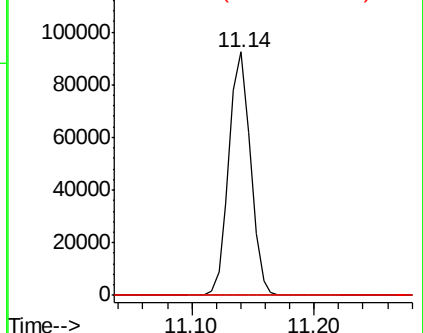
89 0.0 37.8 56.8#



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: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX003976.D

Acq: 10 Aug 2018 14:57

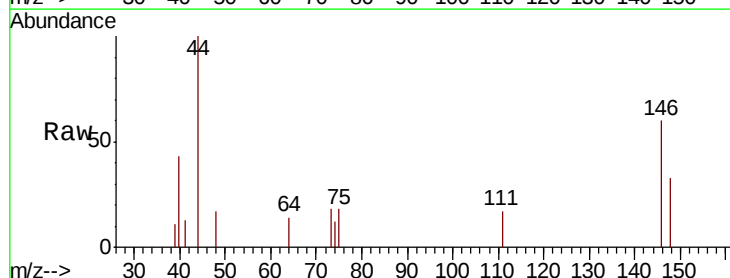
Tgt Ion: 146 Resp: 334

Ion Ratio Lower Upper

146 100

111 31.1 18.4 55.0

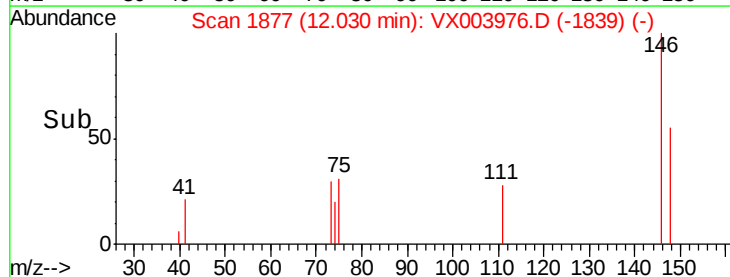
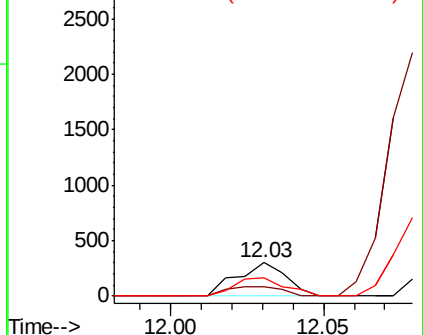
148 57.5 32.3 96.8

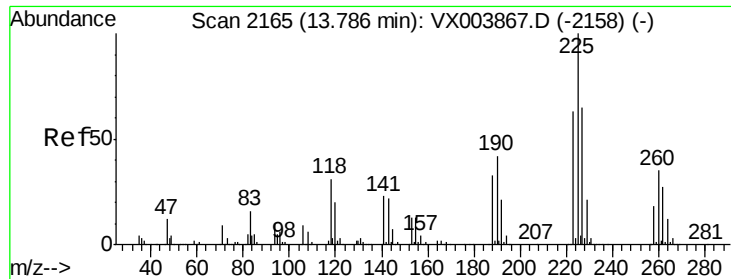


Abundance Ion 145.90 (145.60 to 146.60): V

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: VX003976.D
 Acq: 10 Aug 2018 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-102D

Tot Ion	Ratio	Lower	Upper
225	100		
223	75.3	31.4	94.0
227	71.2	32.1	96.5

