

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006625.D
 Acq On : 19 Dec 2018 04:18
 Operator : JC/MD
 Sample : J6449-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16A_R1

Quant Time: Dec 19 06:07:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	626784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1003390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	921822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	442051	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	352938	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	299127	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.71	98	1201787	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.13	95	438352	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

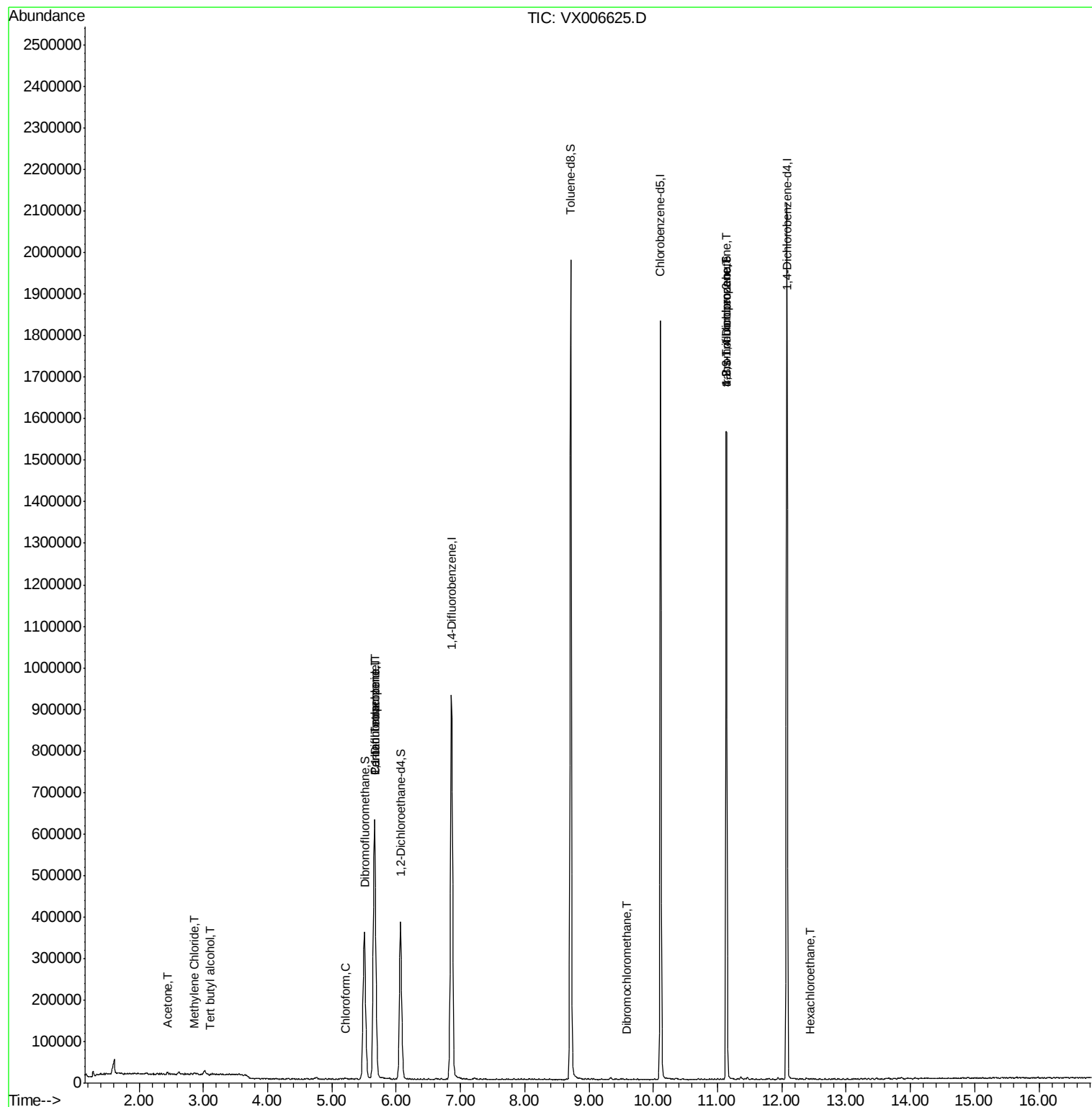
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.68	94	197	Below Cal	#	3
11) Tert butyl alcohol	3.11	59	711	0.472	ug/l #	40
16) Acetone	2.45	43	6387	2.058	ug/l	95
20) Methylene Chloride	2.87	84	2301	0.359	ug/l #	72
28) Bromochloromethane	5.01	49	192	Below Cal	#	2
30) Chloroform	5.21	83	3923	0.368	ug/l	84
36) 1,1-Dichloropropene	5.66	75	42073	5.063	ug/l #	48
38) Carbon Tetrachloride	5.67	117	60354	7.473	ug/l #	16
49) 1,4-Dioxane	7.76	88	186	Below Cal	#	27
60) Dibromochloromethane	9.58	129	72	2.334	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	206350	26.634	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	206350	74.204	ug/l #	15
90) Hexachloroethane	12.44	117	90	3.313	ug/l	62

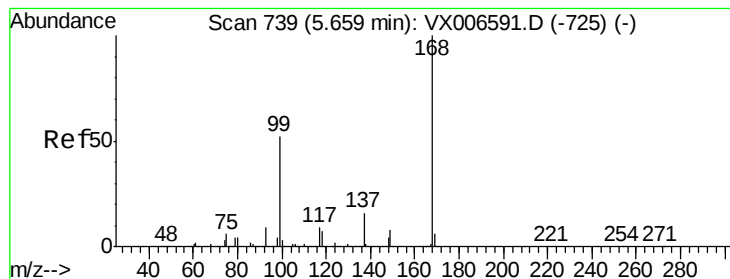
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

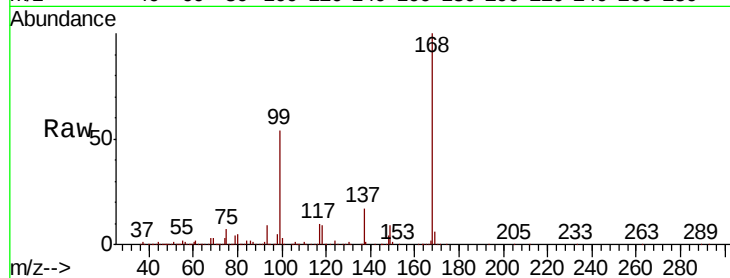
MW-16A_R1

Tot Ion:168 Resp: 626784

Ion Ratio Lower Upper

168 100

99 54.1 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

150000

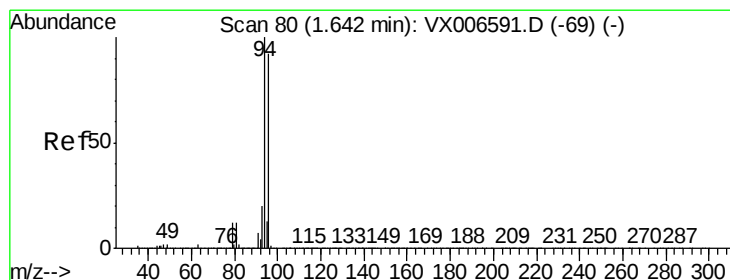
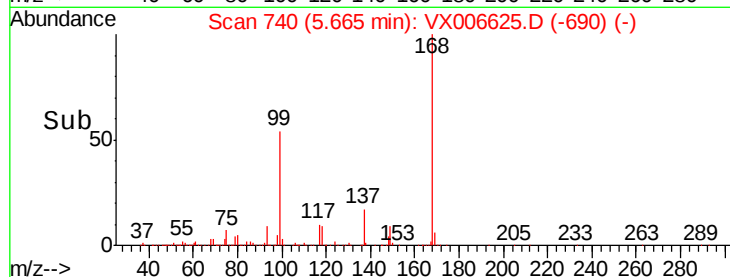
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. 0.04 min

Lab File: VX006625.D

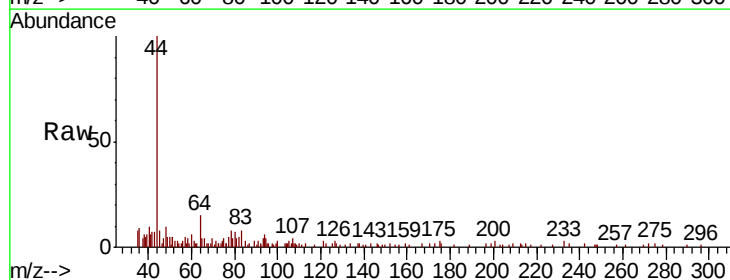
Acq: 19 Dec 2018 04:18

Tgt Ion: 94 Resp: 197

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.68

600

500

400

300

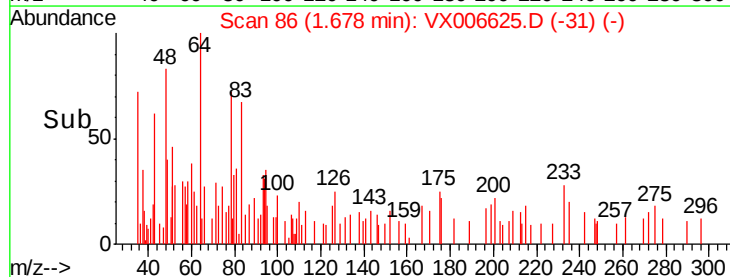
200

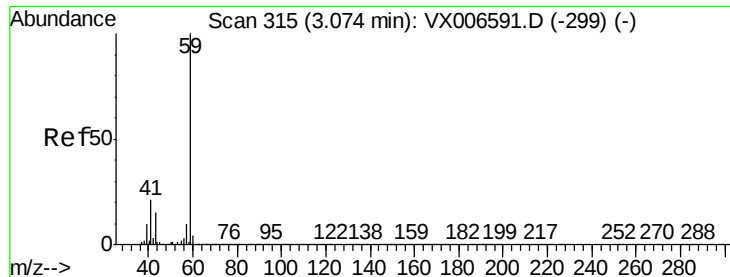
100

0

Time-->

1.66 1.68 1.70



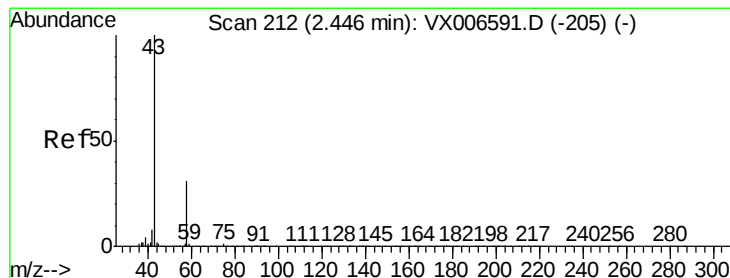
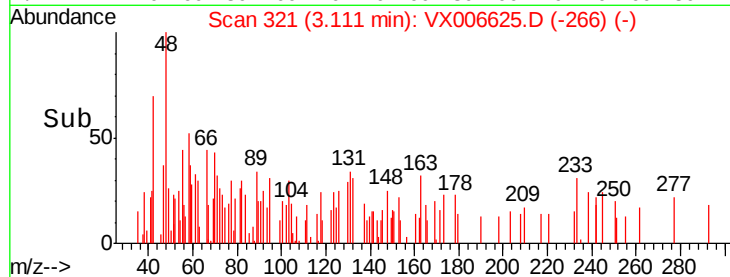
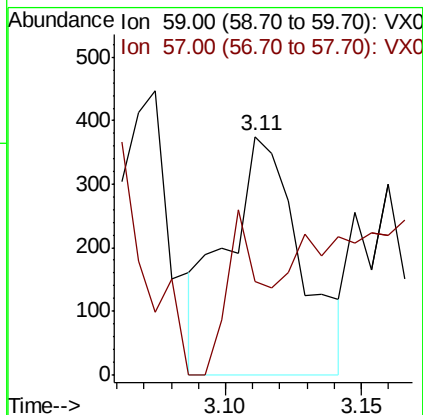
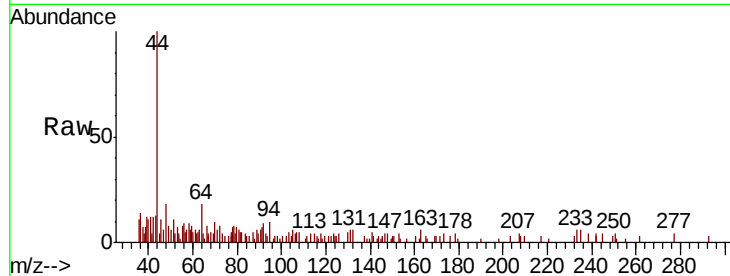


#11

Tert butyl alcohol
 Concen: 0.472 ug/l
 RT: 3.11 min Scan# 321
 Delta R.T. 0.04 min
 Lab File: VX006625.D
 Acq: 19 Dec 2018 04:18

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16A_R1

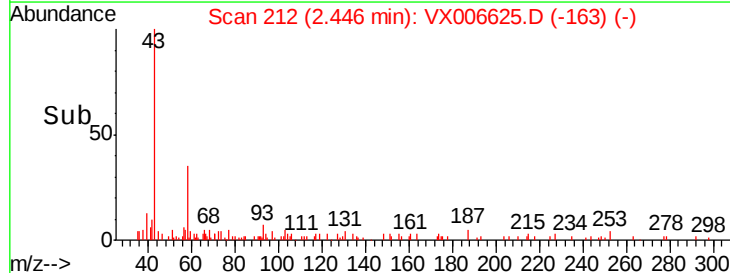
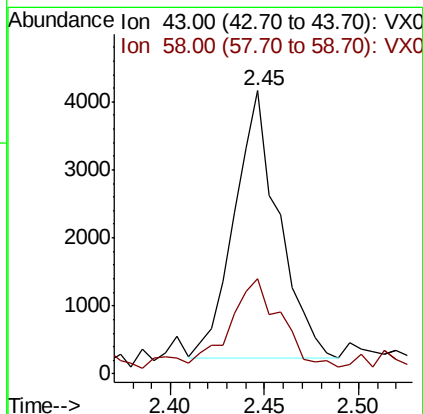
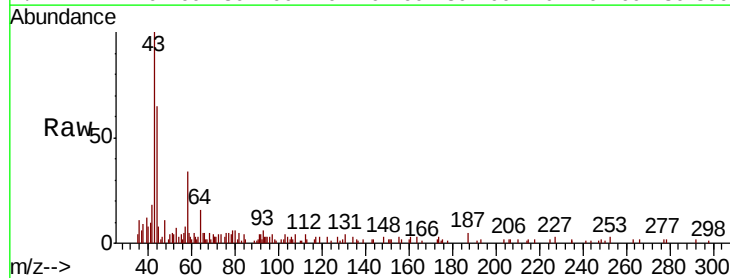
Tot Ion: 59 Resp: 711
 Ion Ratio Lower Upper
 59 100
 57 32.3 8.2 12.2#

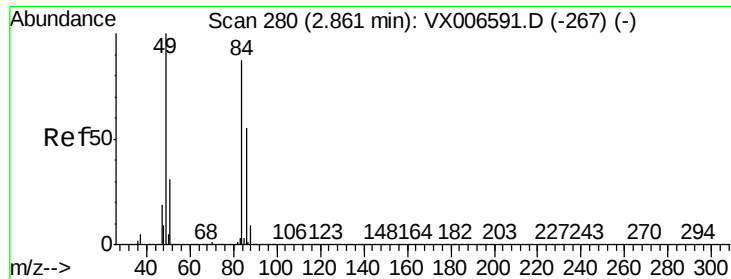


#16

Acetone
 Concen: 2.058 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006625.D
 Acq: 19 Dec 2018 04:18

Tgt Ion: 43 Resp: 6387
 Ion Ratio Lower Upper
 43 100
 58 33.0 24.0 36.0

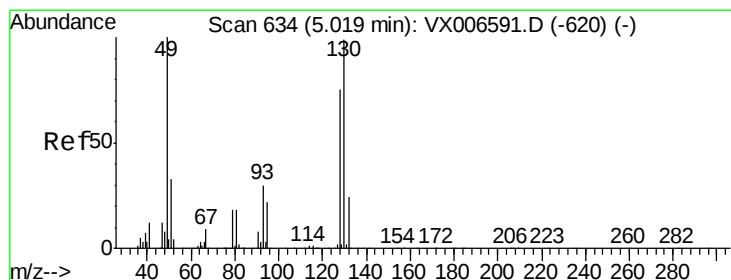
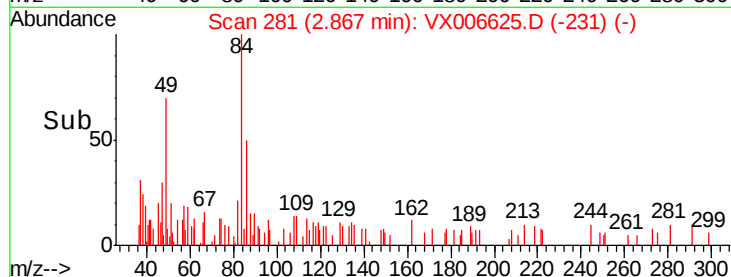
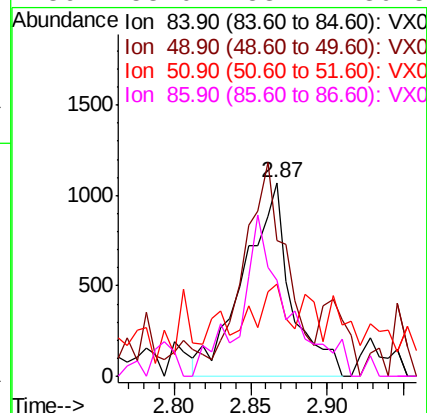
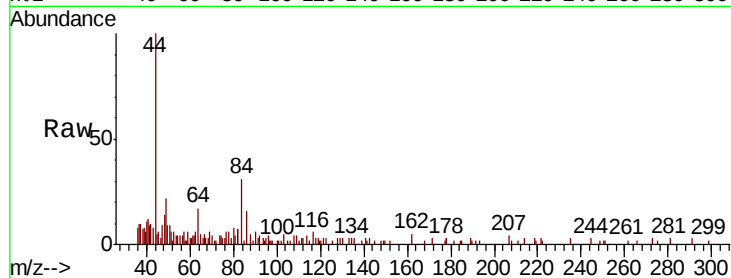




#20
Methvlene Chloride
Concen: 0.359 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006625.D
Acq: 19 Dec 2018 04:18

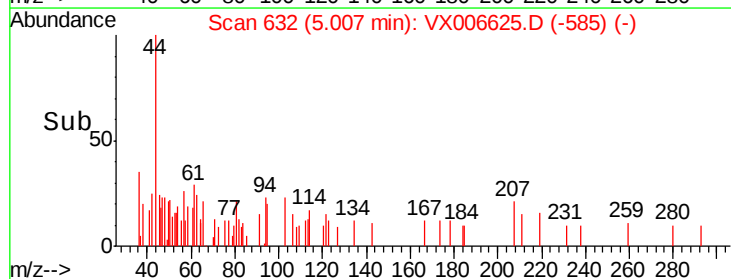
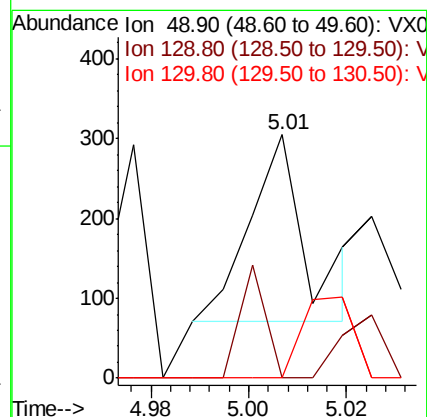
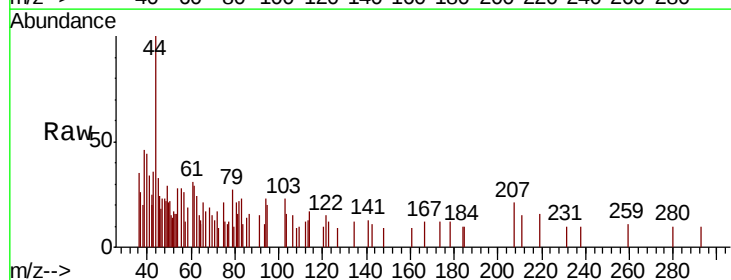
Instrument :
MSVOA_X
ClientSampleId :
MW-16A_R1

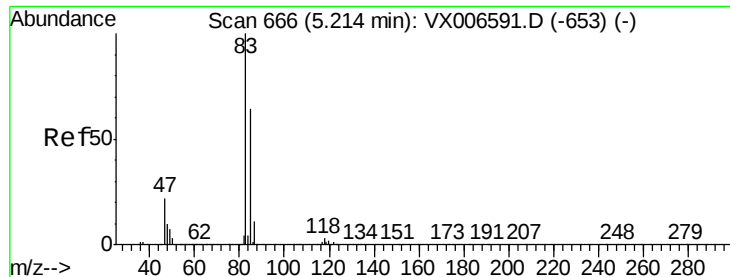
Tot Ion:	84	Resp:	2301
Ion	Ratio	Lower	Upper
84	100		
49	88.5	102.2	153.4#
51	22.3	31.1	46.7#
86	53.0	53.7	80.5#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX006625.D
Acq: 19 Dec 2018 04:18

Tgt Ion:	49	Resp:	192
Ion	Ratio	Lower	Upper
49	100		
129	27.1	0.0	5.0#
130	0.0	78.3	117.5#

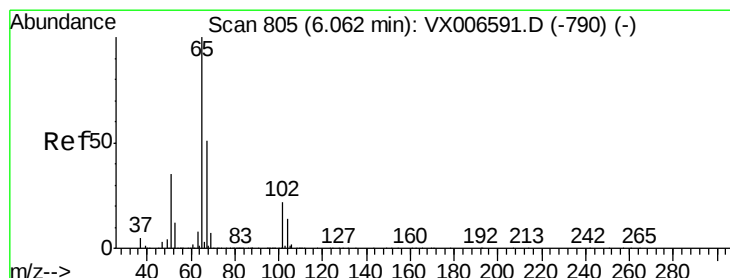
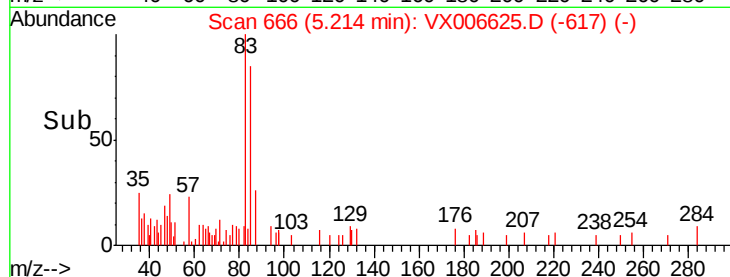
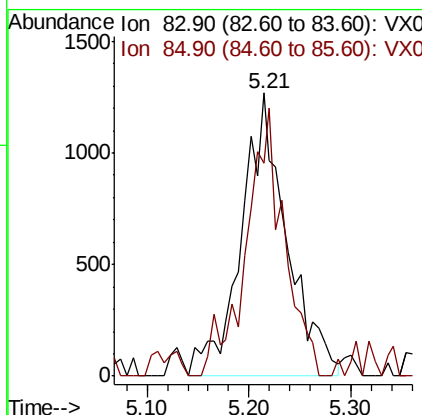
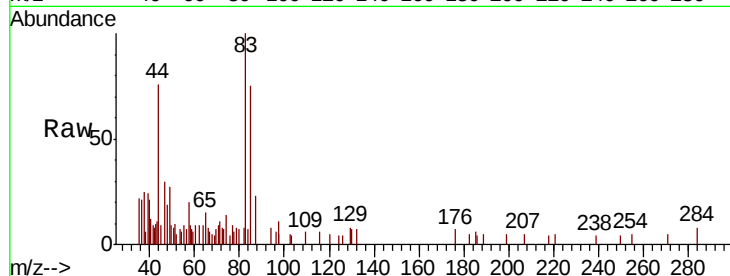




#30
Chloroform
Concen: 0.368 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006625.D
Acq: 19 Dec 2018 04:18

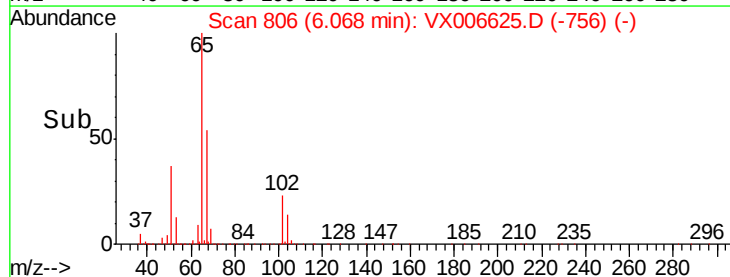
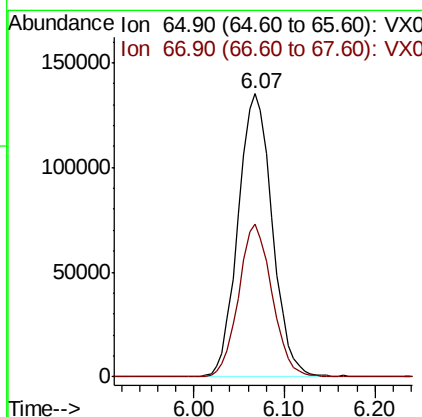
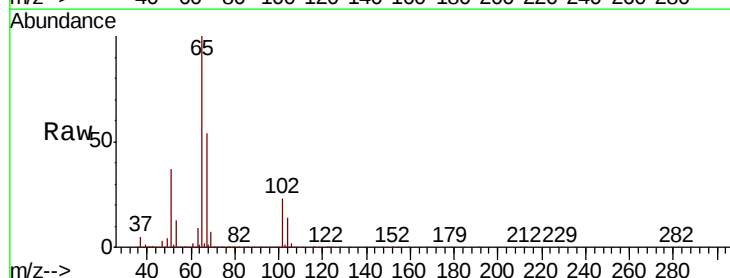
Instrument :
MSVOA_X
ClientSampled :
MW-16A_R1

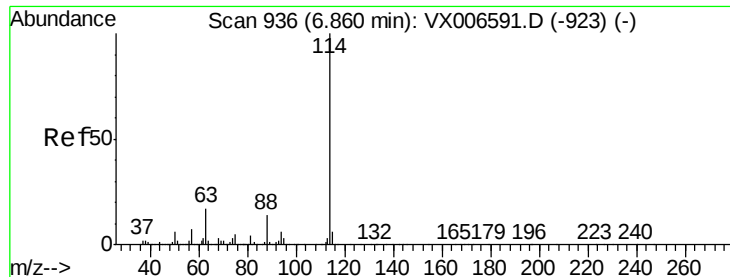
Tot Ion: 83 Resp: 3923
Ion Ratio Lower Upper
83 100
85 75.4 50.3 75.5



#33
1,2-Dichloroethane-d4
Concen: 52.247 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006625.D
Acq: 19 Dec 2018 04:18

Tgt Ion: 65 Resp: 352938
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

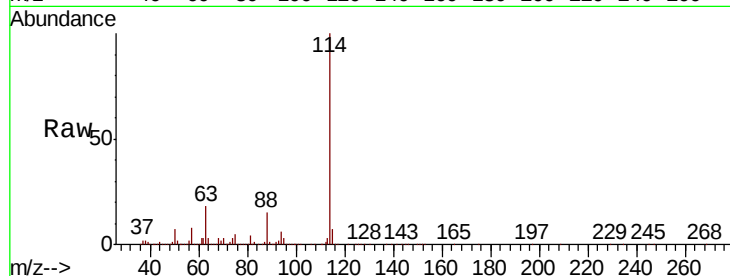
MSVOA_X

ClientSampleId :

MW-16A_R1

Tot Ion:114 Resp: 1003390

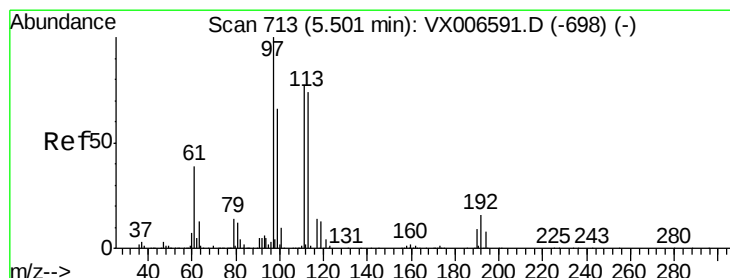
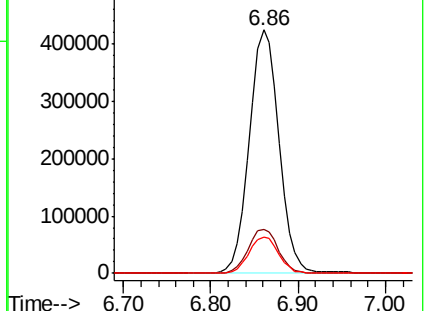
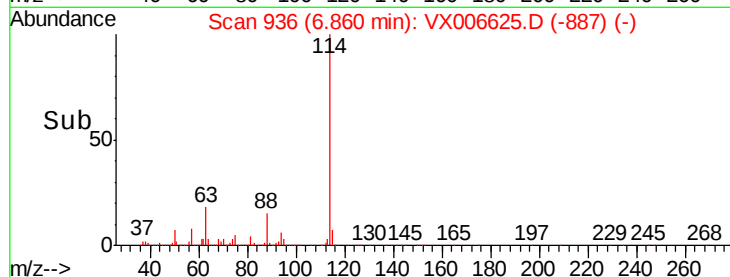
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	36.6
88	15.1	0.0	29.0



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: 47.142 ug/l

RT: 5.51 min Scan# 714

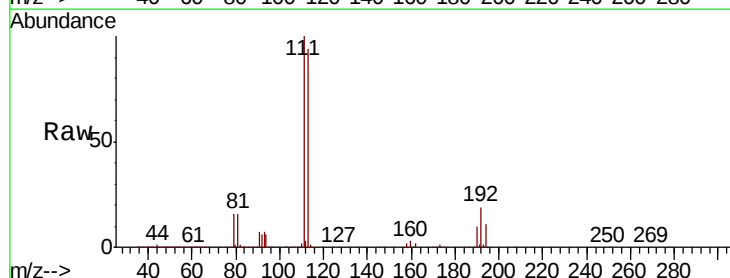
Delta R.T. 0.01 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Tgt Ion:113 Resp: 299127

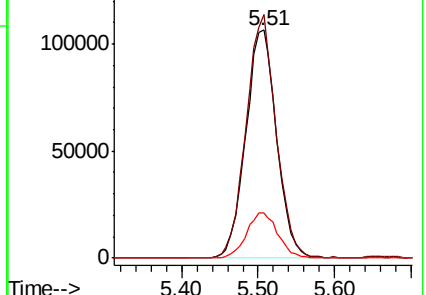
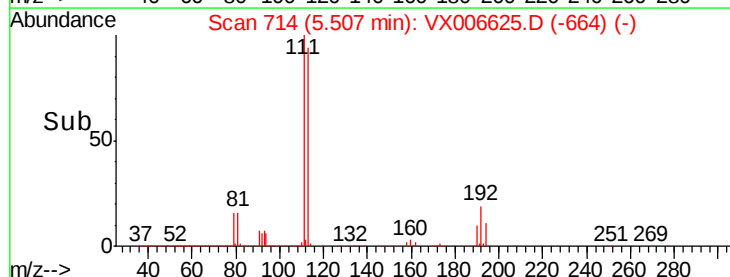
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.1	121.7
192	20.2	18.2	27.2

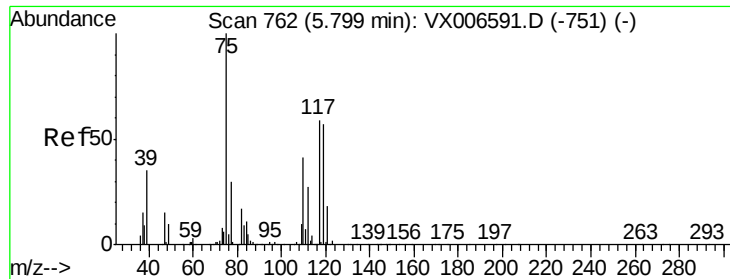


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

MW-16A_R1

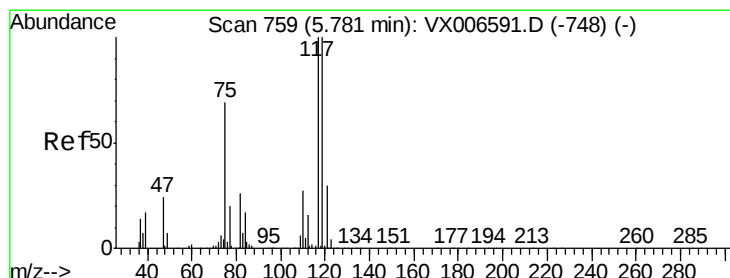
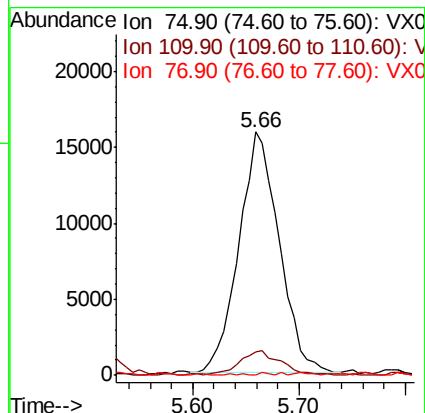
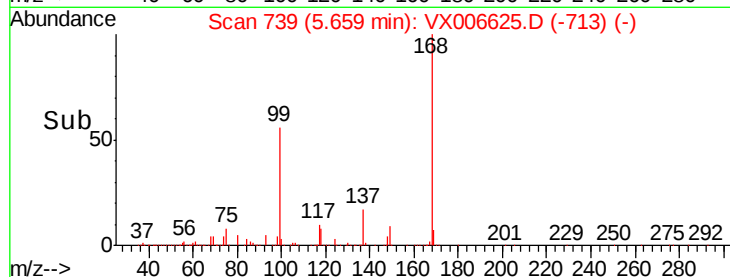
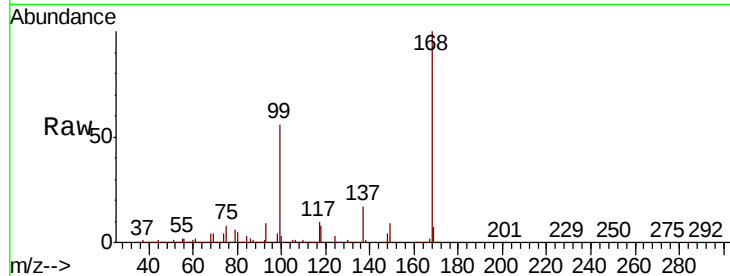
Tot Ion: 75 Resp: 42073

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

77 0.3 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.473 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

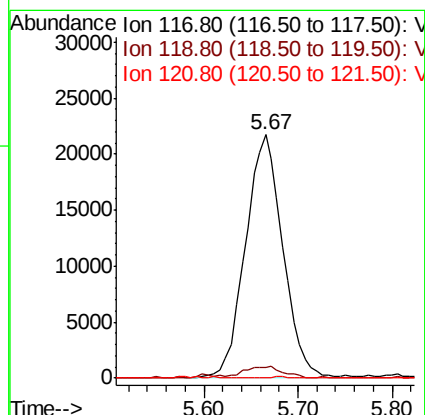
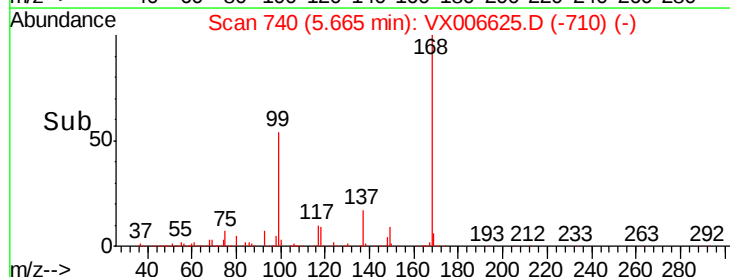
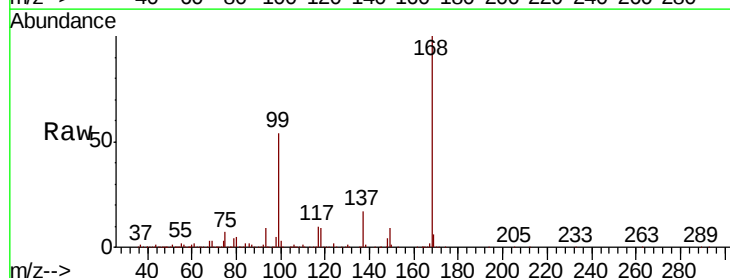
Tgt Ion: 117 Resp: 60354

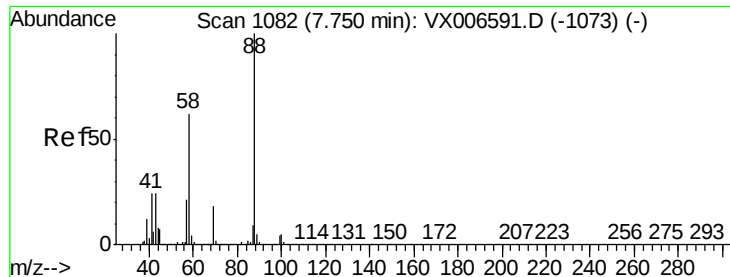
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.2 24.6 37.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

MW-16A_R1

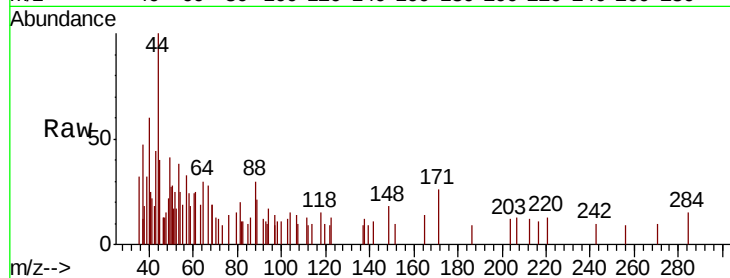
Tot Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

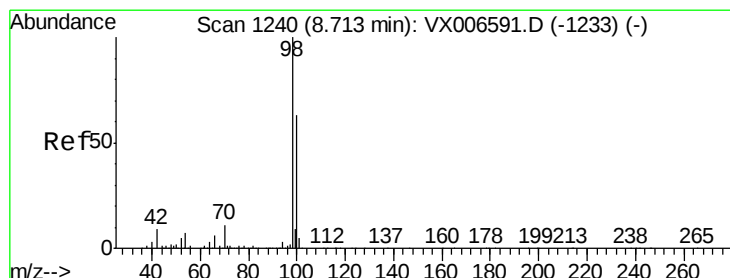
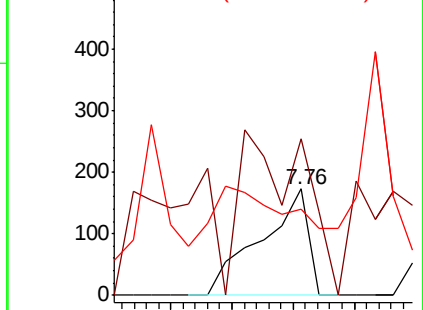
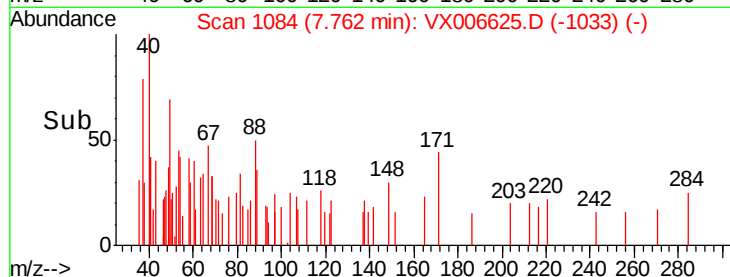
58 0.0 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.238 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006625.D

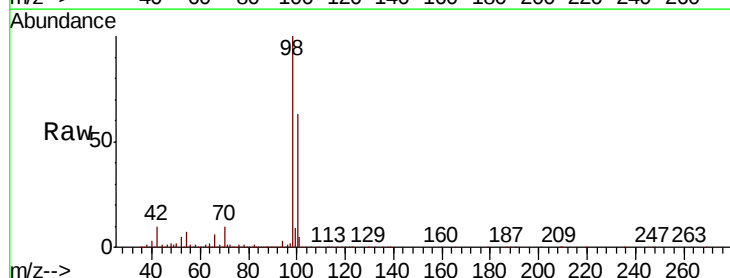
Acq: 19 Dec 2018 04:18

Tgt Ion: 98 Resp: 1201787

Ion Ratio Lower Upper

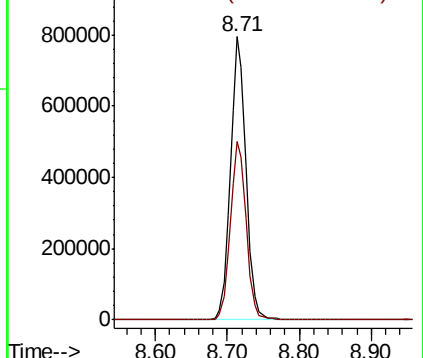
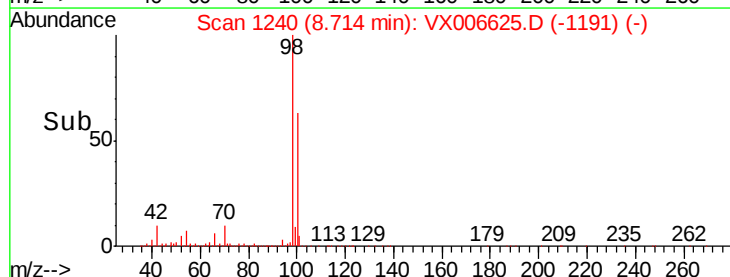
98 100

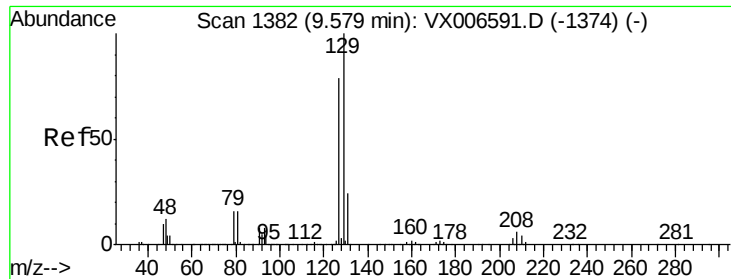
100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.334 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

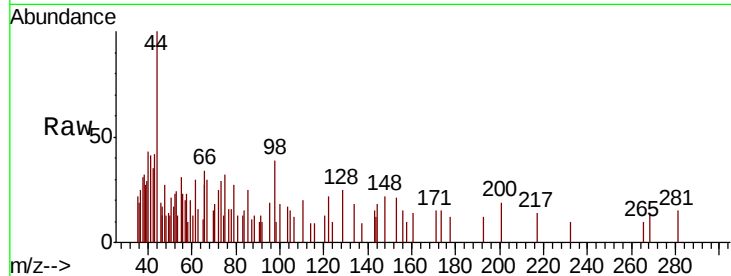
MW-16A_R1

Tot Ion:129 Resp: 72

Ion Ratio Lower Upper

129 100

127 72.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

150

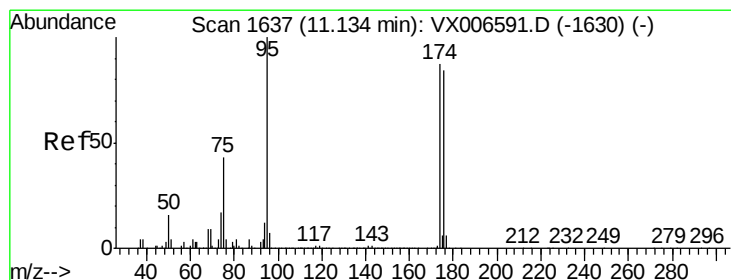
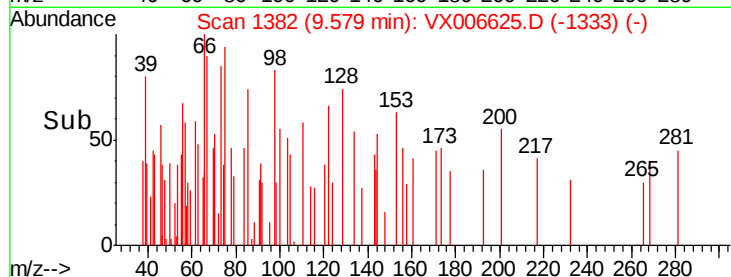
100

50

0

9.56 9.58 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: 50.034 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

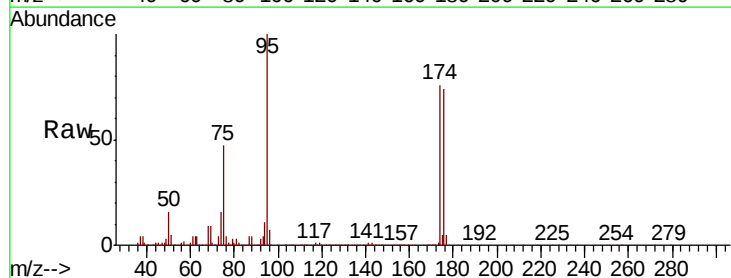
Tgt Ion: 95 Resp: 438352

Ion Ratio Lower Upper

95 100

174 85.0 0.0 187.0

176 81.8 0.0 181.8



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

400000

300000

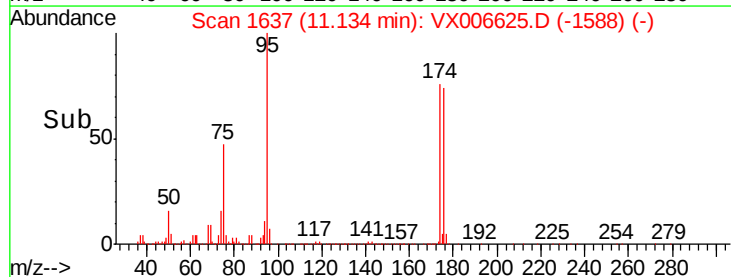
200000

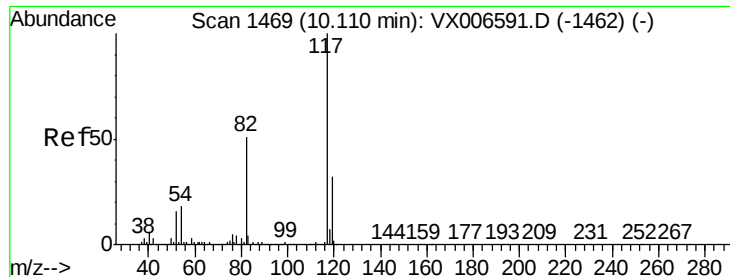
100000

0

11.10 11.13 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

MW-16A_R1

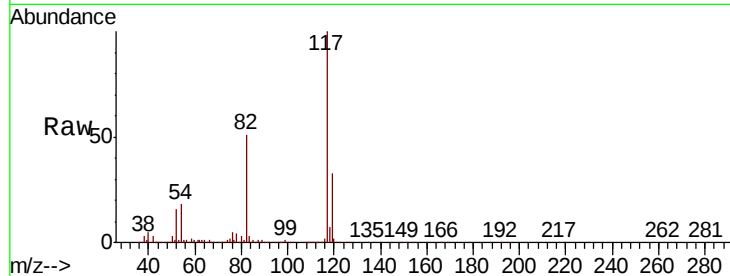
Tot Ion:117 Resp: 921822

Ion Ratio Lower Upper

117 100

82 51.0 39.6 59.4

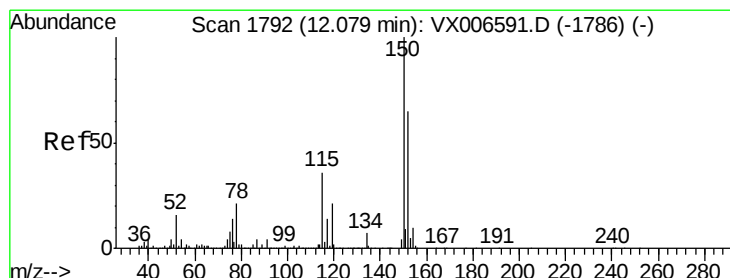
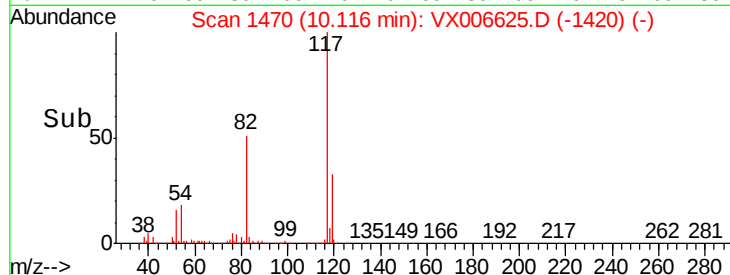
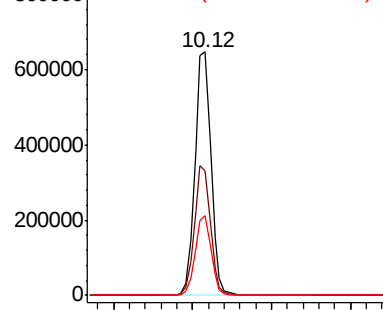
119 32.9 26.3 39.5



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

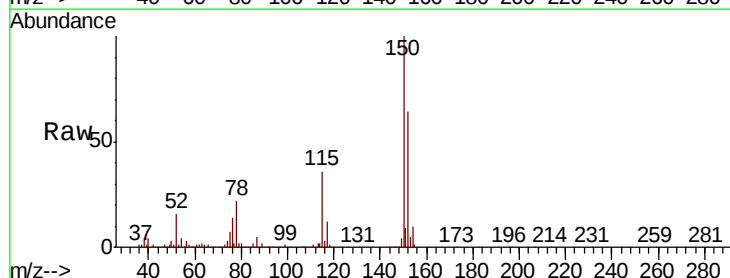
Tgt Ion:152 Resp: 442051

Ion Ratio Lower Upper

152 100

115 57.7 39.0 116.9

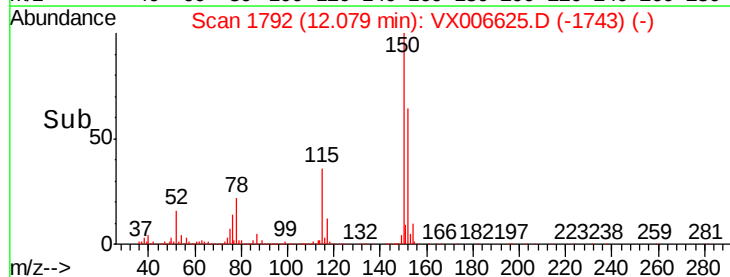
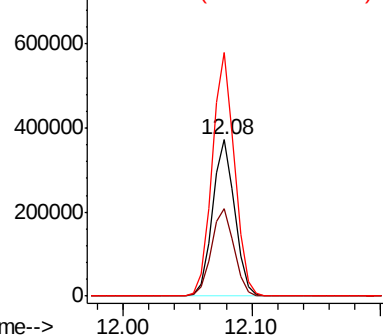
150 156.7 0.0 345.8

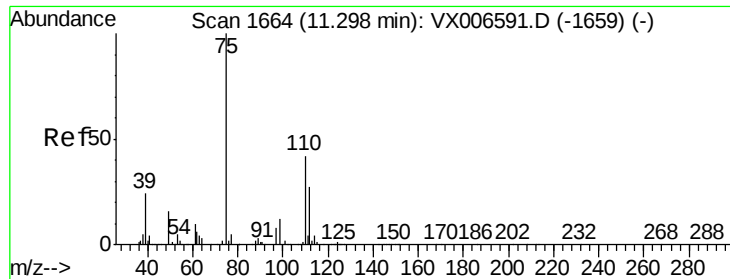


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.634 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

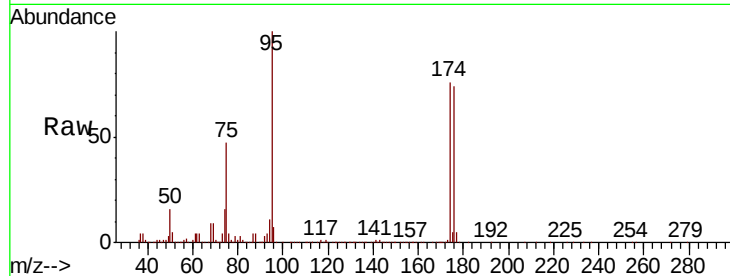
MW-16A_R1

Tot Ion: 75 Resp: 206350

Ion Ratio Lower Upper

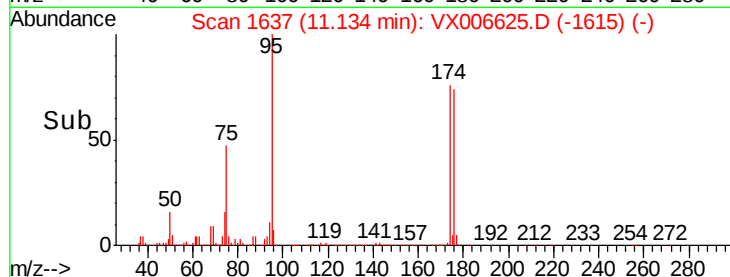
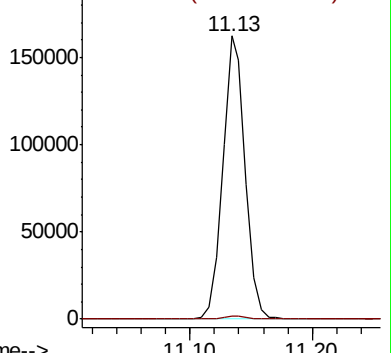
75 100

77 1.1 19.9 59.7#

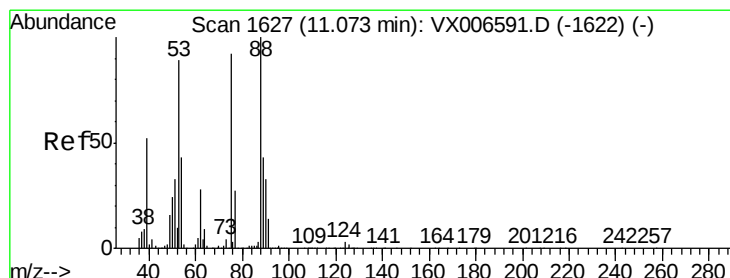


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 74.204 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

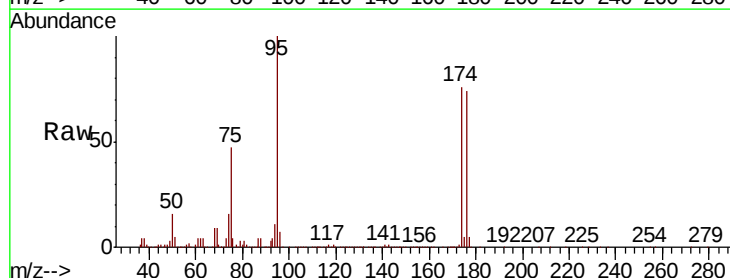
Tgt Ion: 75 Resp: 206350

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

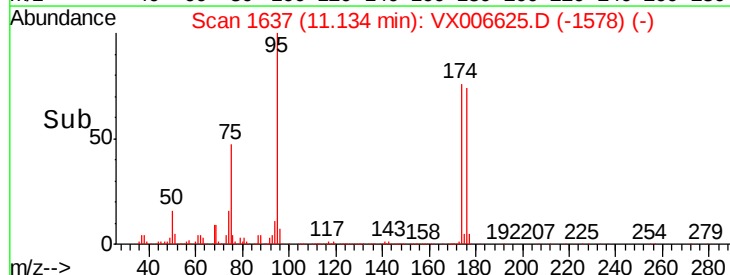
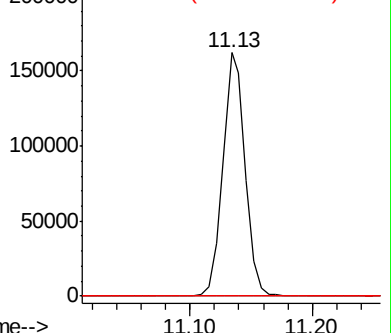
89 0.0 44.2 66.4#



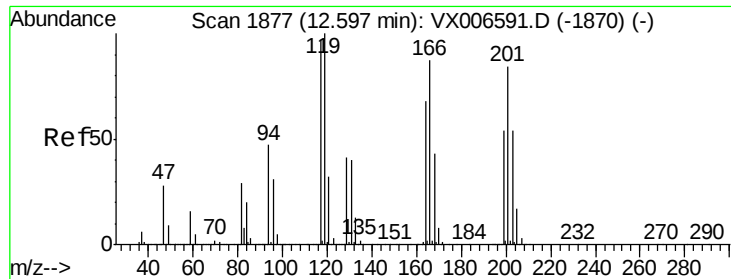
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->



#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.44 min Scan# 1851

Delta R.T. -0.16 min

Lab File: VX006625.D

Acq: 19 Dec 2018 04:18

Instrument :

MSVOA_X

ClientSampleId :

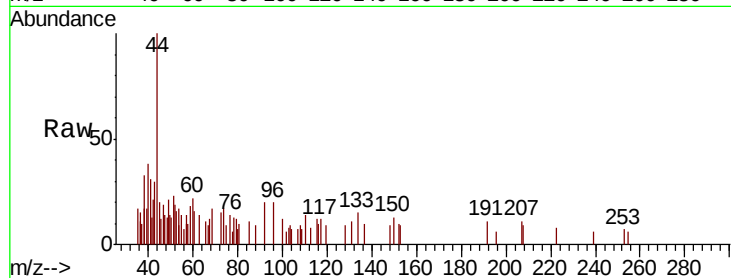
MW-16A_R1

Tot Ion:117 Resp: 90

Ion Ratio Lower Upper

117 100

201 53.3 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

