

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006626.D
 Acq On : 19 Dec 2018 04:45
 Operator : JC/MD
 Sample : J6449-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B_R1

Quant Time: Dec 19 06:07:53 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	624455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	998790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	930250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	434397	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	353197	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	5.51	113	297410	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.71	98	1204012	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	438006	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	

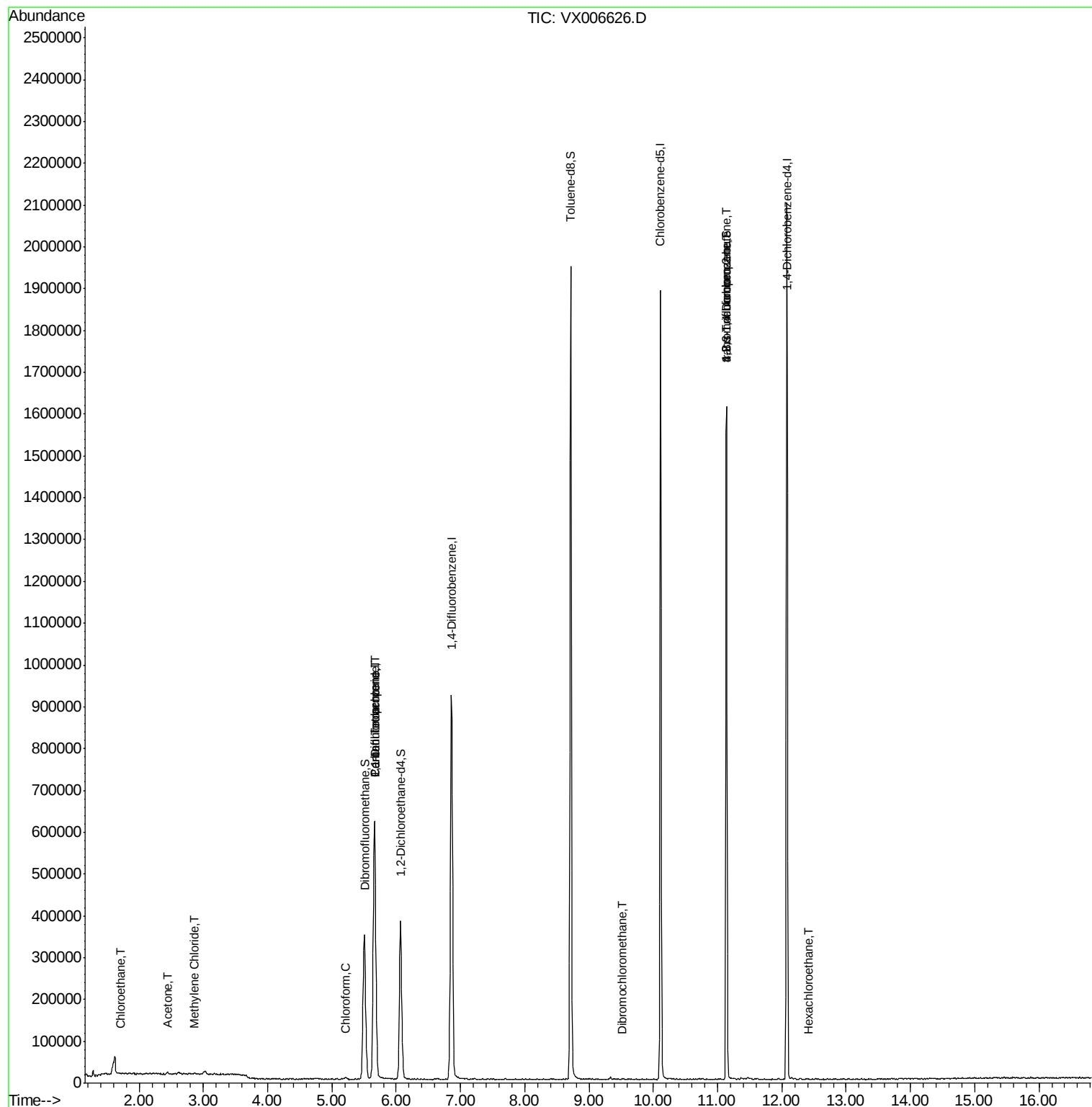
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	760	Below Cal	#	3
6) Chloroethane	1.71	64	1045	0.235	ug/l #	42
16) Acetone	2.45	43	4947	1.600	ug/l	89
20) Methylene Chloride	2.85	84	1774	0.277	ug/l #	84
28) Bromochloromethane	5.02	49	167	Below Cal	#	26
30) Chloroform	5.21	83	5113	0.481	ug/l #	83
36) 1,1-Dichloropropene	5.66	75	42202	5.102	ug/l #	48
38) Carbon Tetrachloride	5.66	117	60537	7.530	ug/l #	16
49) 1,4-Dioxane	7.76	88	124	Below Cal	#	1
60) Dibromochloromethane	9.52	129	31	2.328	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	205903	27.044	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	205903	75.282	ug/l #	15
90) Hexachloroethane	12.42	117	86	3.313	ug/l	70

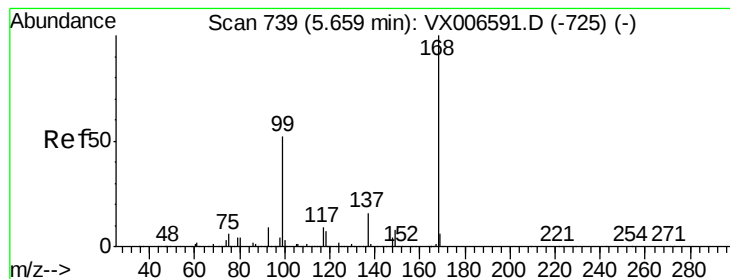
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

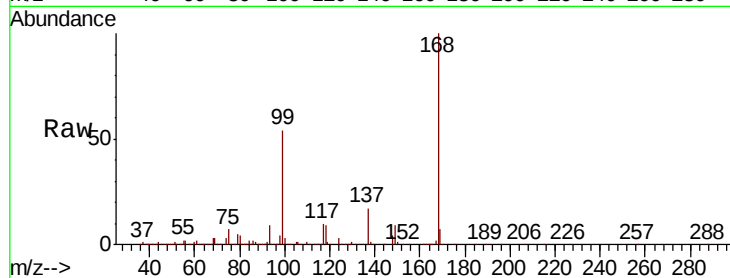
MW-16B_R1

Tot Ion:168 Resp: 624455

Ion Ratio Lower Upper

168 100

99 54.3 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

200000

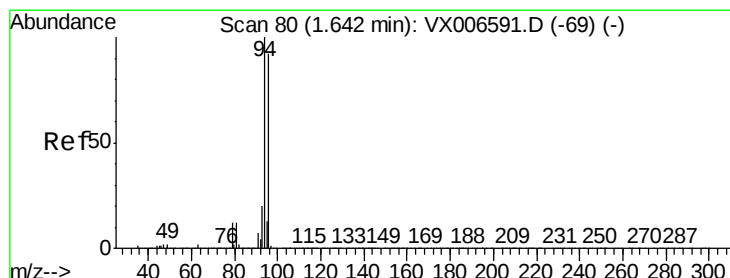
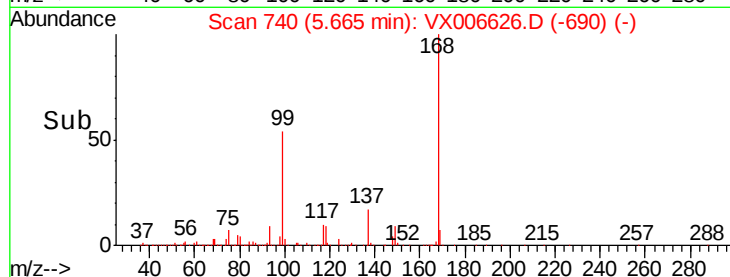
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX006626.D

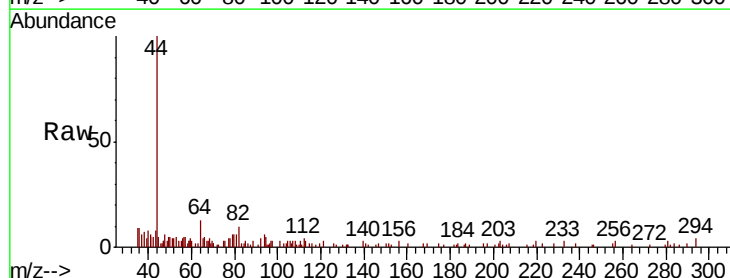
Acq: 19 Dec 2018 04:45

Tgt Ion: 94 Resp: 760

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

600

500

400

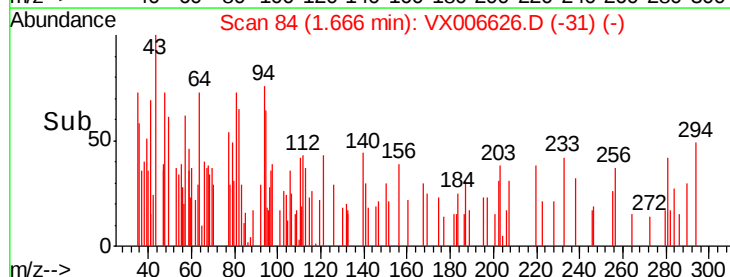
300

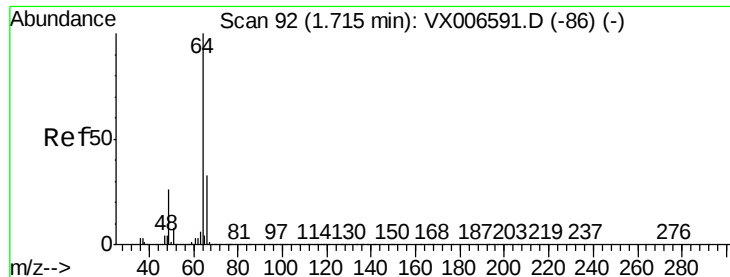
200

100

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.235 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

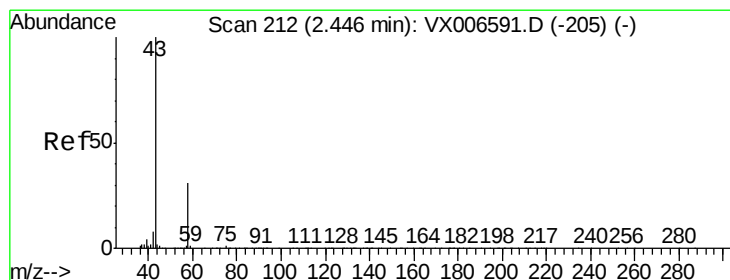
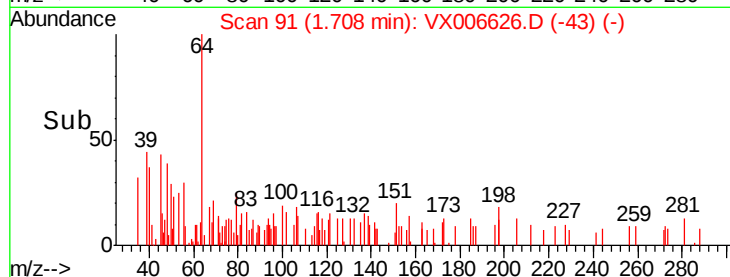
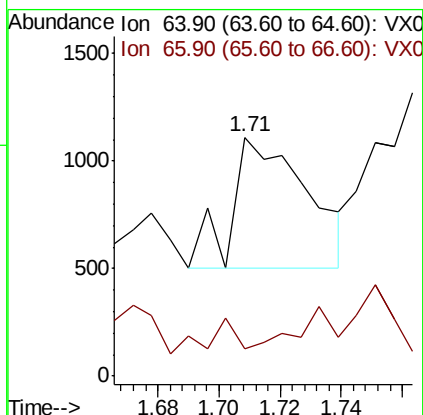
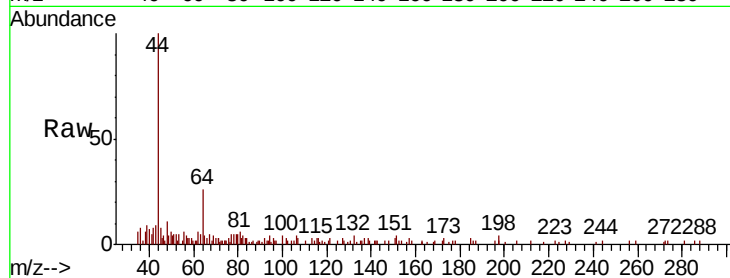
MW-16B_R1

Tot Ion: 64 Resp: 1045

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#16

Acetone

Concen: 1.600 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006626.D

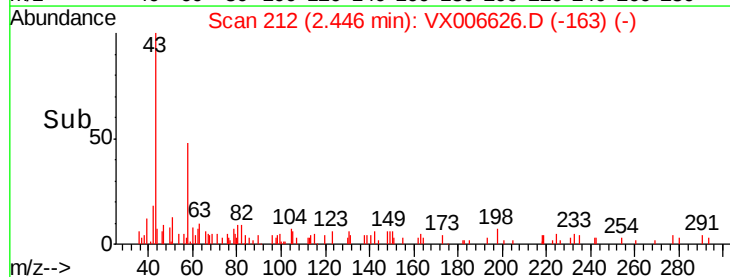
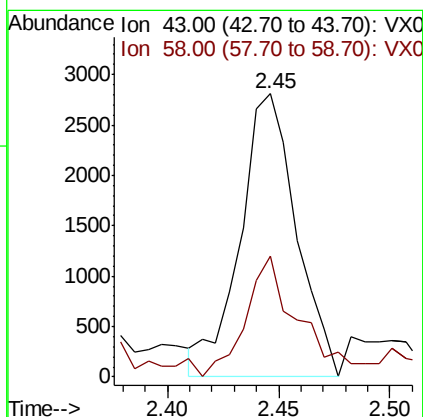
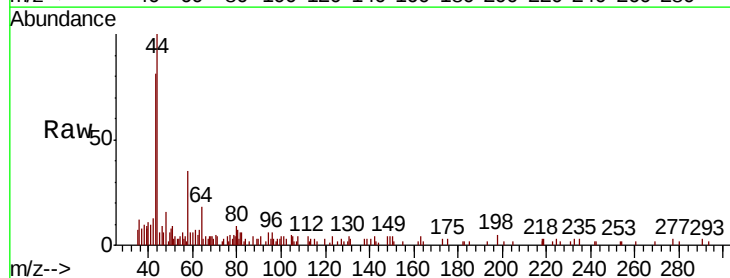
Acq: 19 Dec 2018 04:45

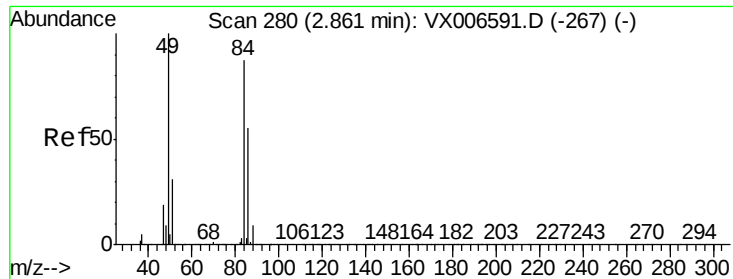
Tgt Ion: 43 Resp: 4947

Ion Ratio Lower Upper

43 100

58 35.9 24.0 36.0

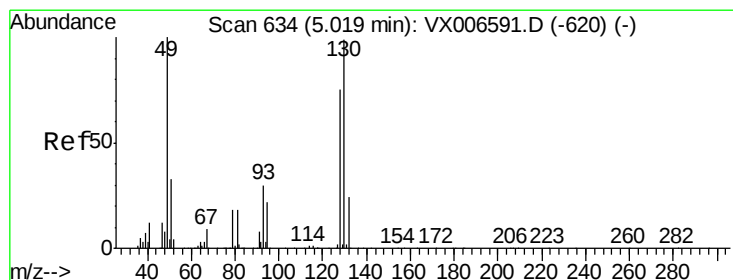
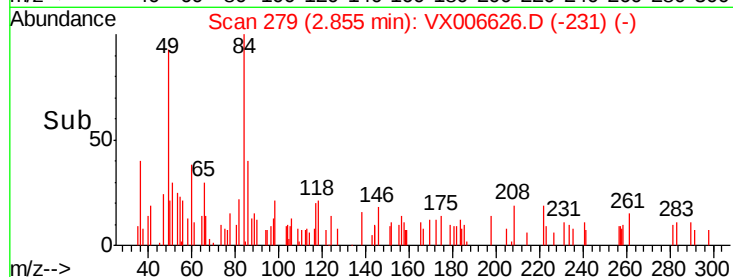
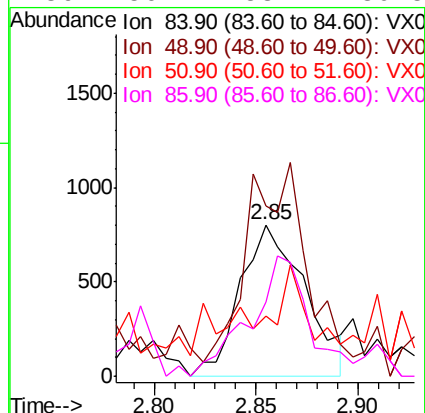
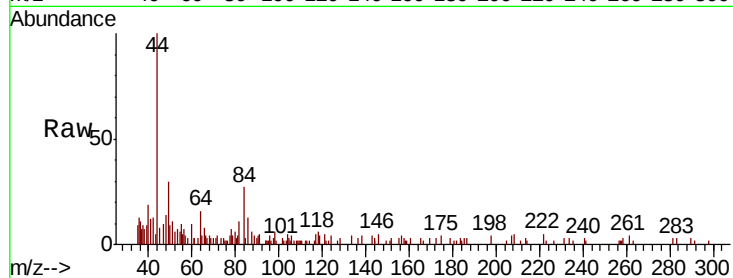




#20
Methvlene Chloride
Concen: 0.277 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

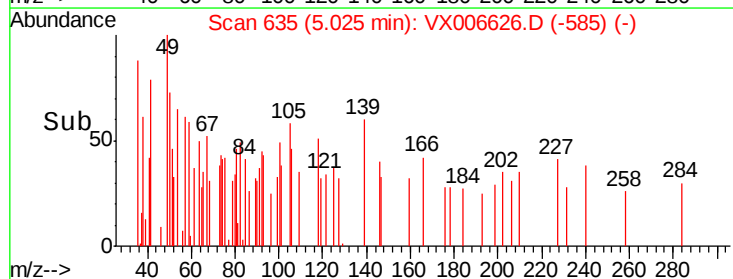
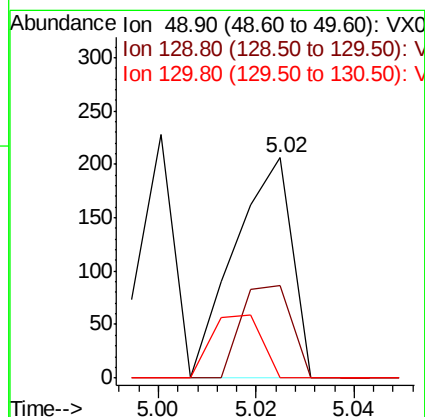
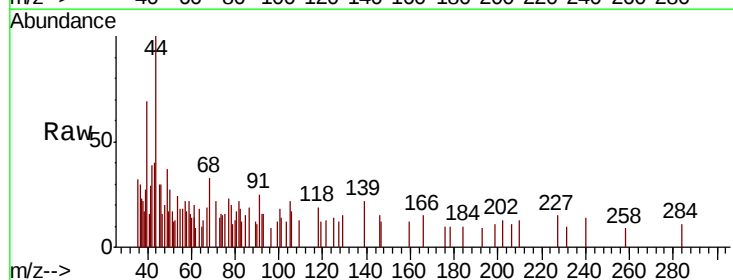
Instrument :
MSVOA_X
ClientSampleId :
MW-16B_R1

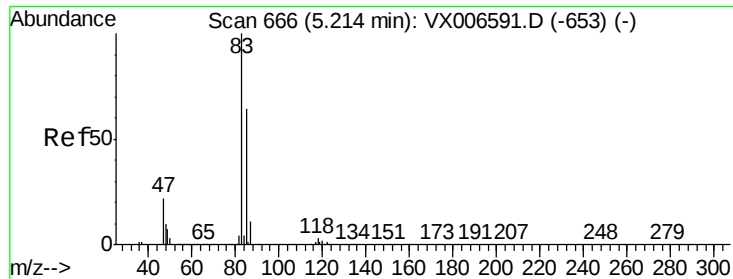
Tot Ion: 84 Resp: 1774
Ion Ratio Lower Upper
84 100
49 107.4 102.2 153.4
51 29.8 31.1 46.7#
86 56.1 53.7 80.5



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

Tgt Ion: 49 Resp: 167
Ion Ratio Lower Upper
49 100
129 37.1 0.0 5.0#
130 25.1 78.3 117.5#

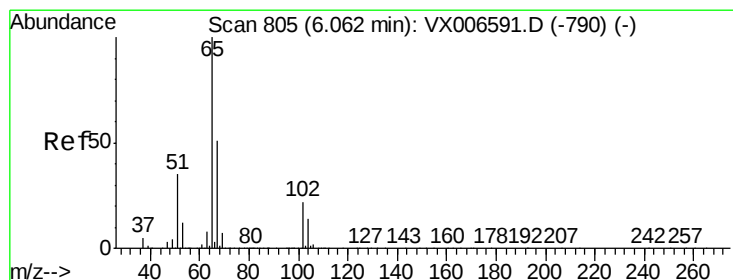
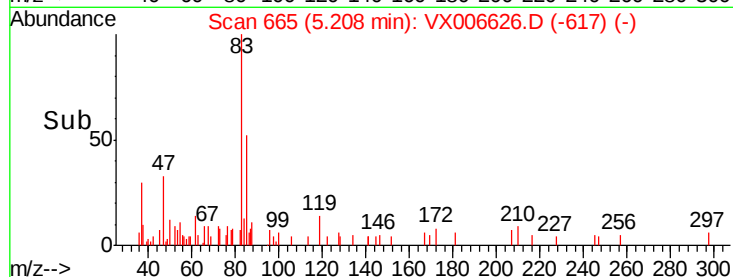
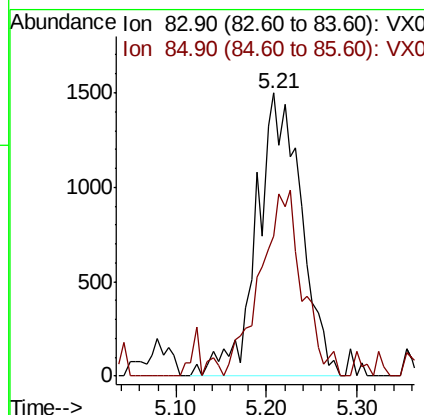
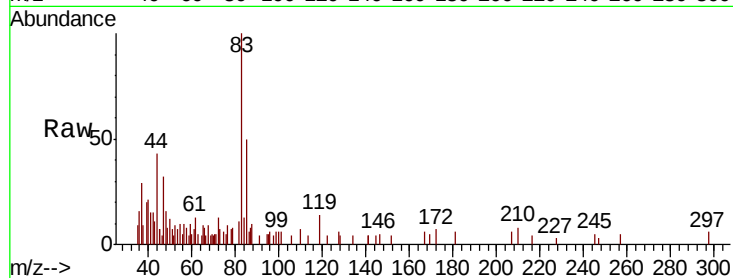




#30
Chloroform
Concen: 0.481 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

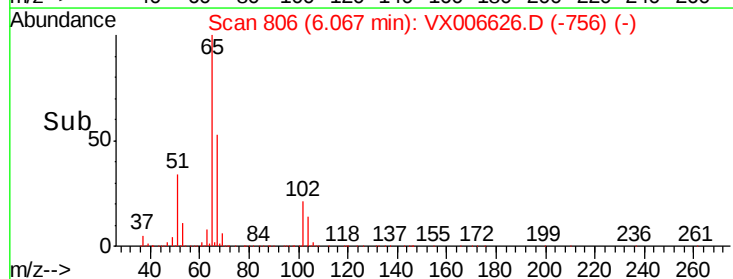
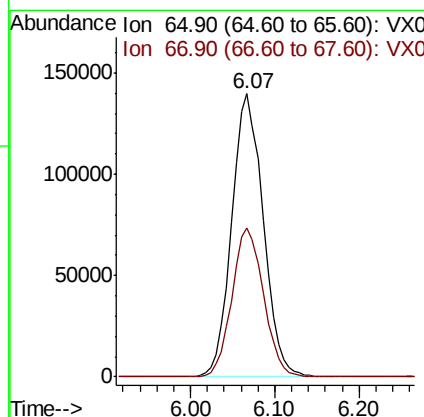
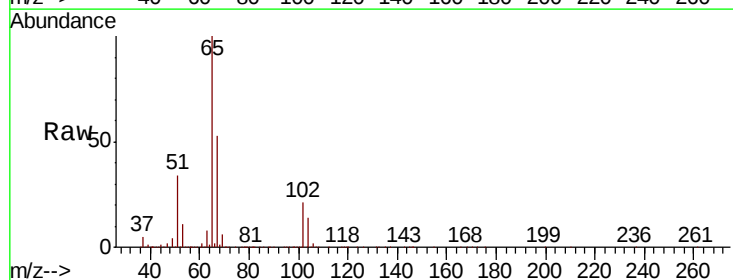
Instrument :
MSVOA_X
ClientSampleId :
MW-16B_R1

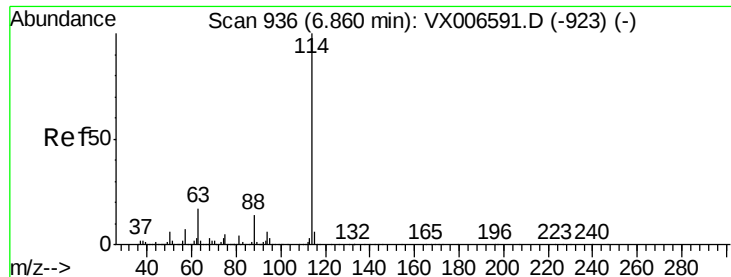
Tot Ion: 83 Resp: 5113
Ion Ratio Lower Upper
83 100
85 49.6 50.3 75.5#



#33
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

Tgt Ion: 65 Resp: 353197
Ion Ratio Lower Upper
65 100
67 52.3 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: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampled :

MW-16B_R1

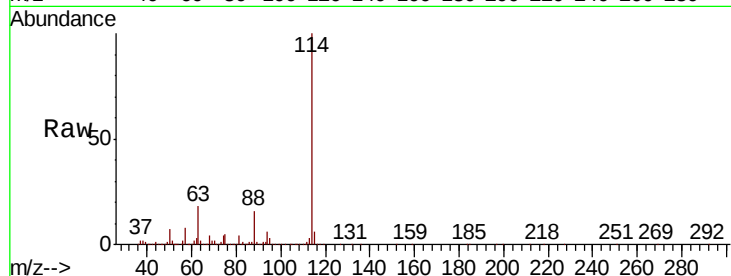
Tot Ion:114 Resp: 998790

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

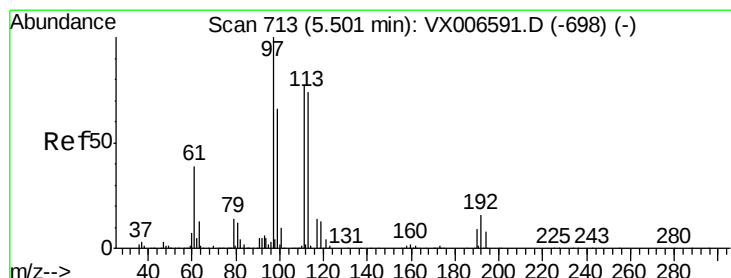
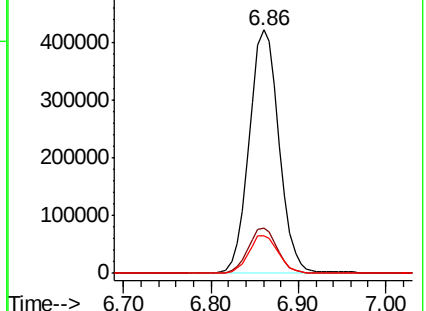
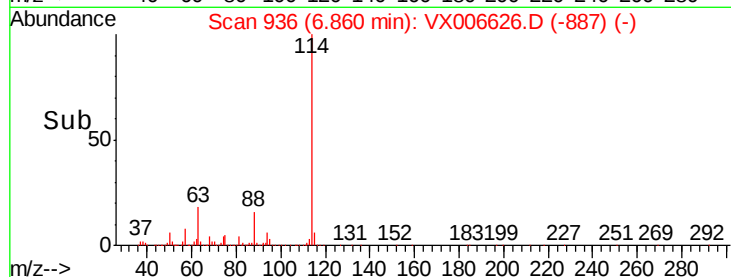
88 15.5 0.0 29.0



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: 47.087 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

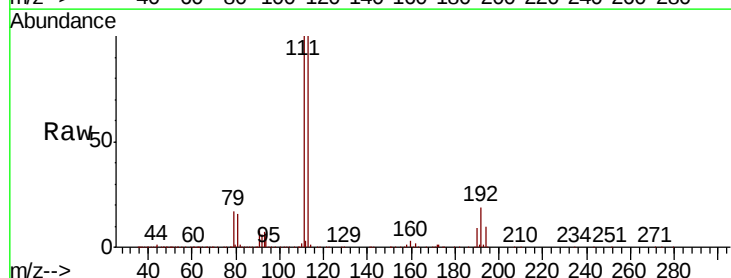
Tgt Ion:113 Resp: 297410

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

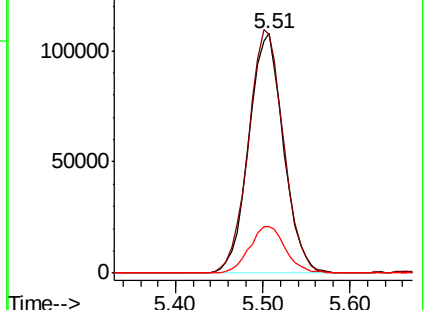
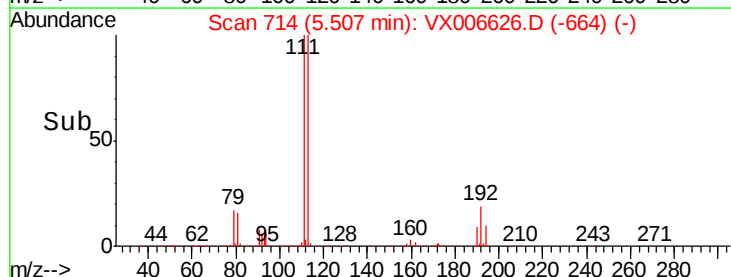
192 20.1 18.2 27.2

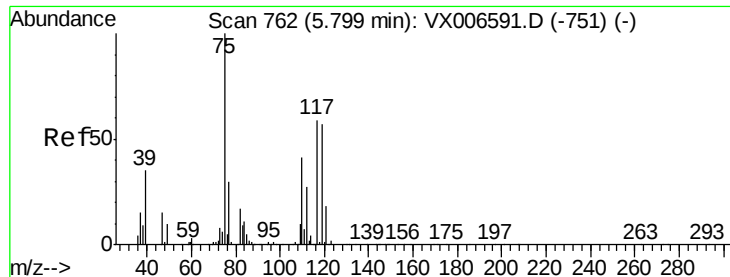


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.102 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

MW-16B_R1

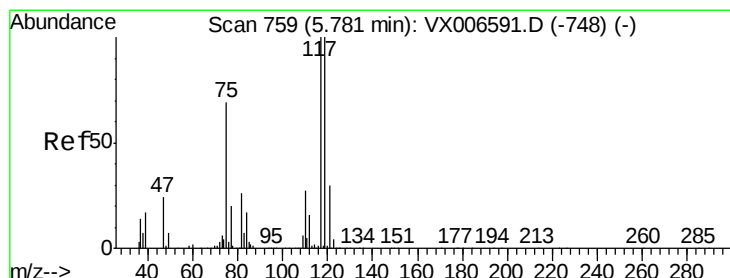
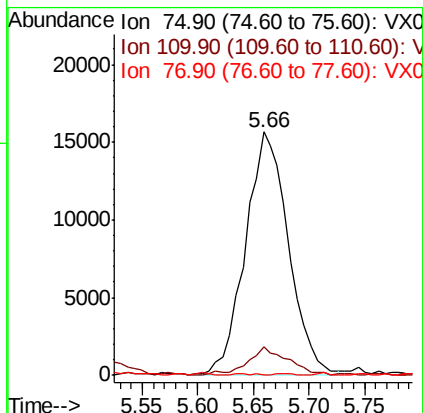
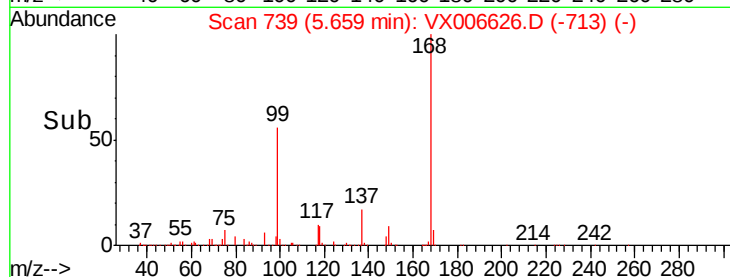
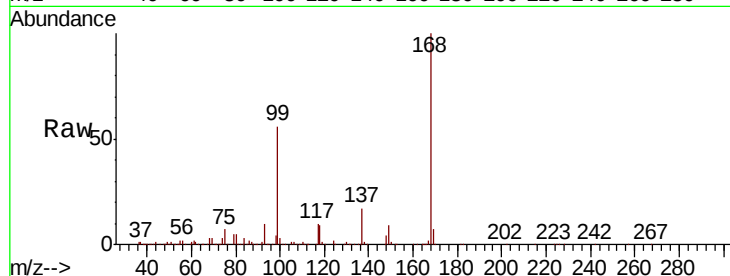
Tot Ion: 75 Resp: 42202

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.530 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

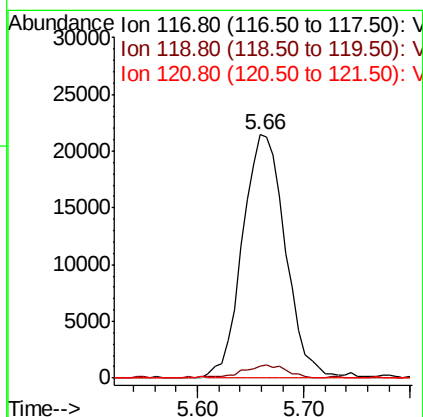
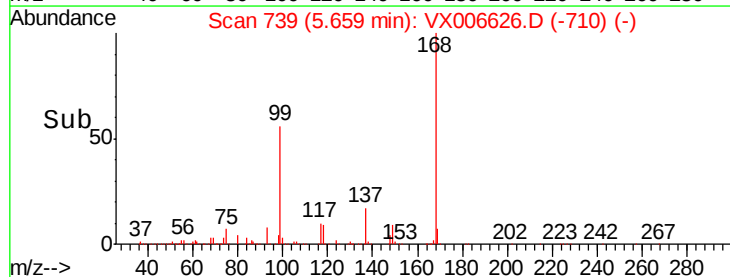
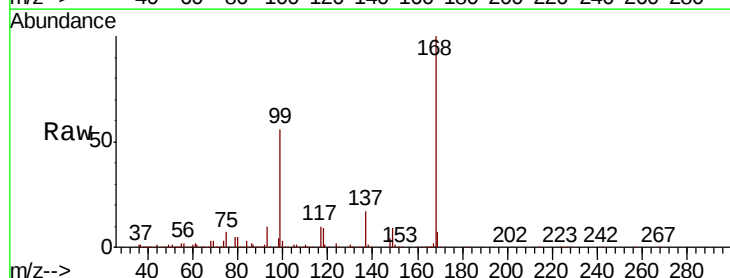
Tgt Ion:117 Resp: 60537

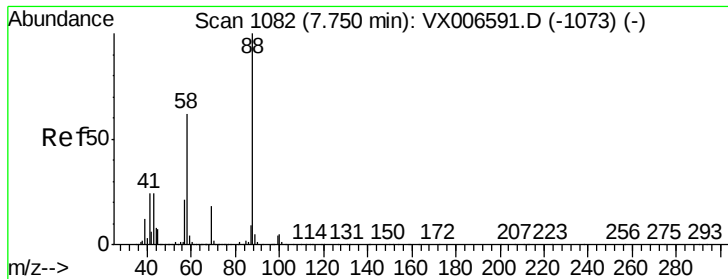
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.0 24.6 37.0#

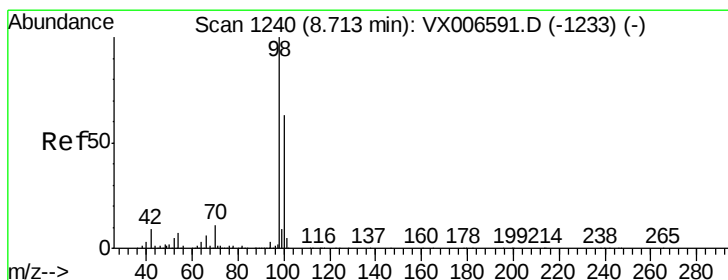
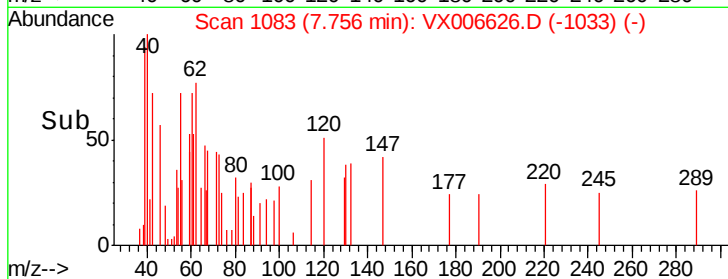
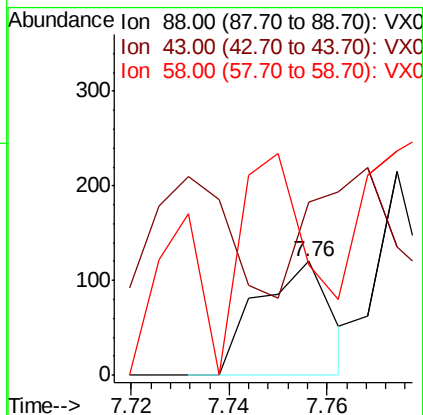
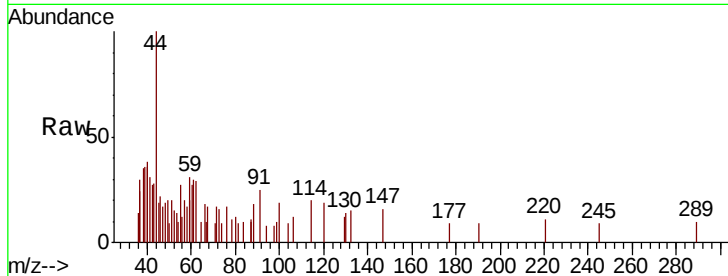




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

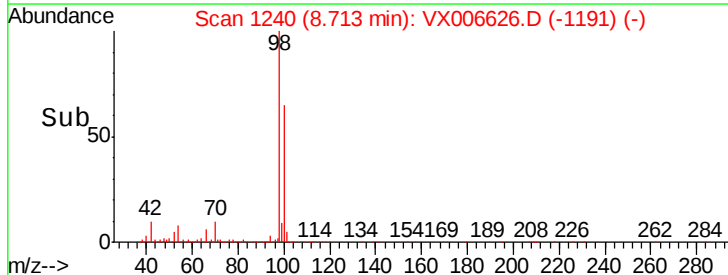
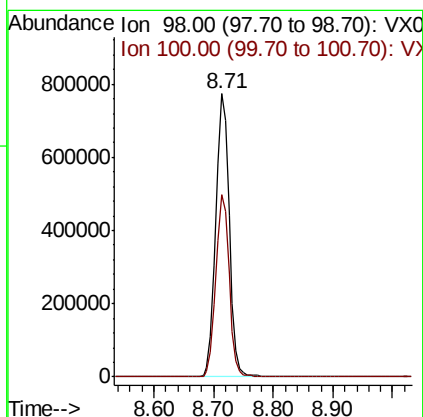
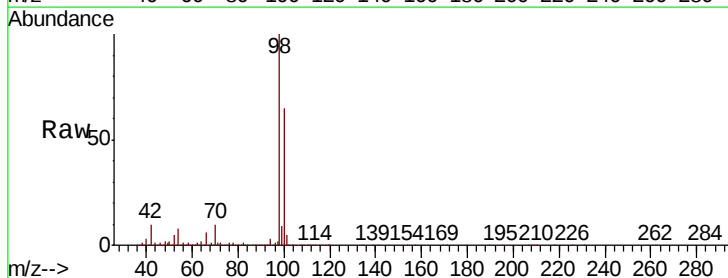
Instrument :
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MW-16B_R1

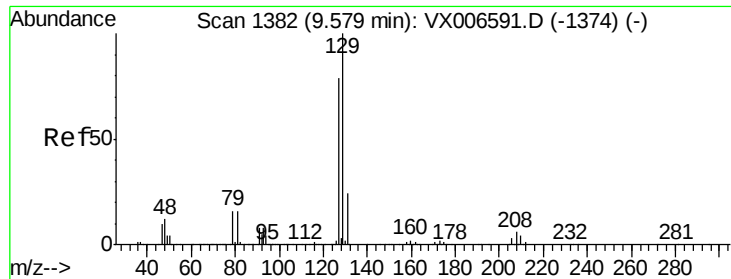
Tot Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 129.8 23.2 34.8#
58 188.7 51.4 77.0#



#50
Toluene-d8
Concen: 50.563 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

Tgt Ion: 98 Resp: 1204012
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2





#60

Dibromochloromethane

Concen: 2.328 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. -0.06 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

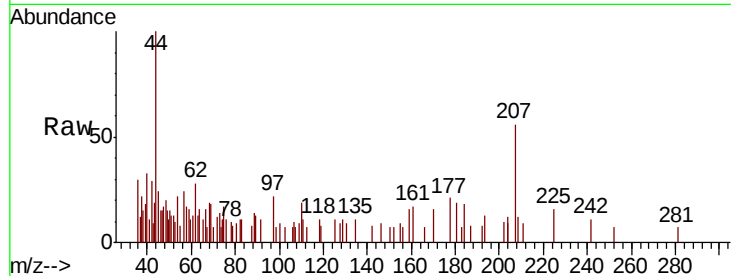
MW-16B_R1

Tot Ion:129 Resp: 31

Ion Ratio Lower Upper

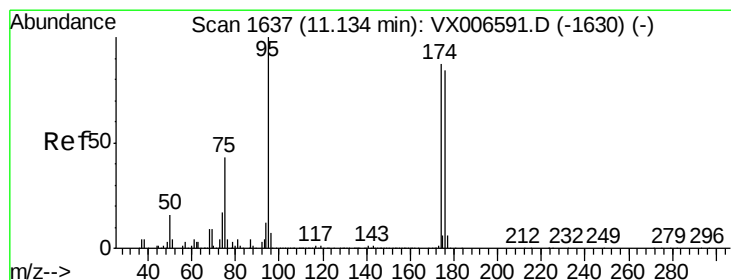
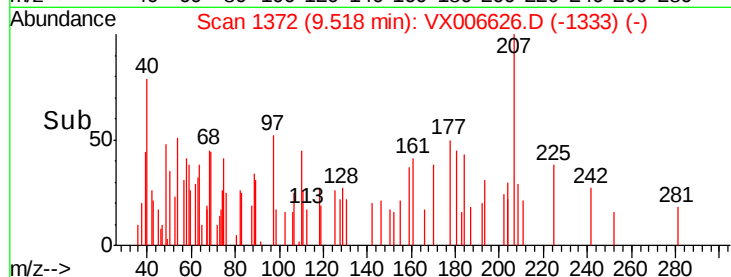
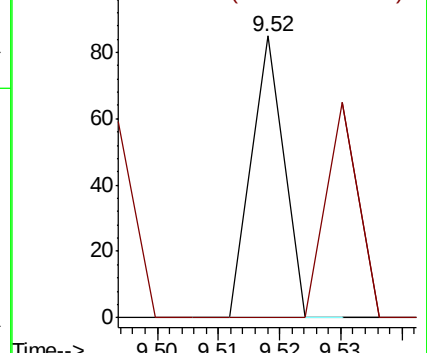
129 100

127 77.4 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 50.224 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

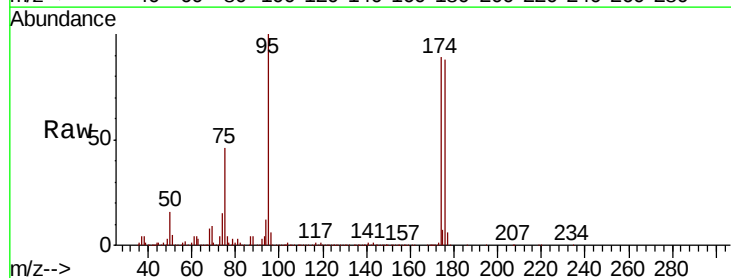
Tgt Ion: 95 Resp: 438006

Ion Ratio Lower Upper

95 100

174 83.9 0.0 187.0

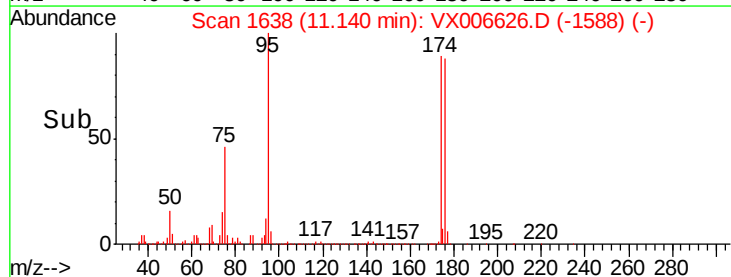
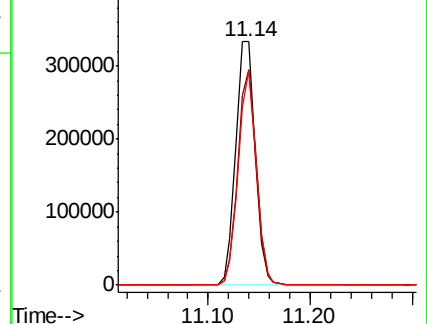
176 81.3 0.0 181.8

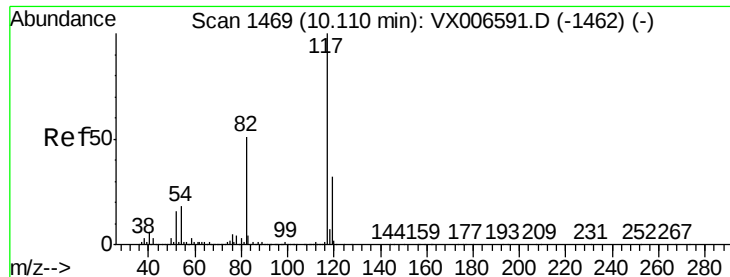


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

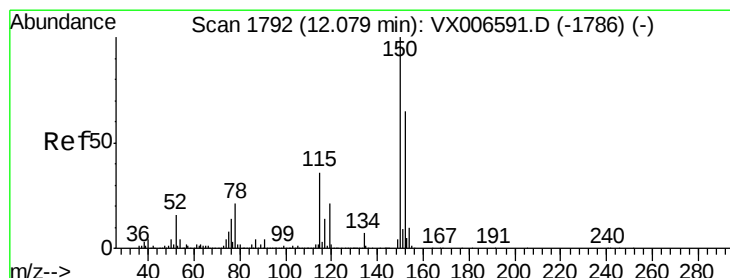
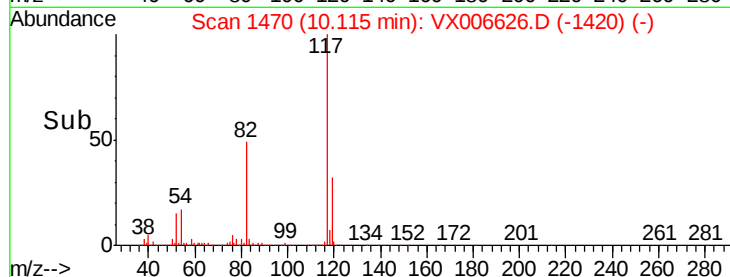
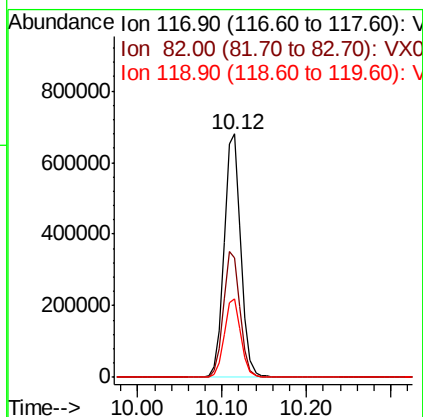
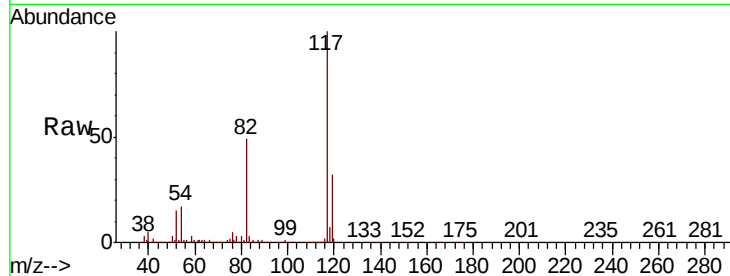




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

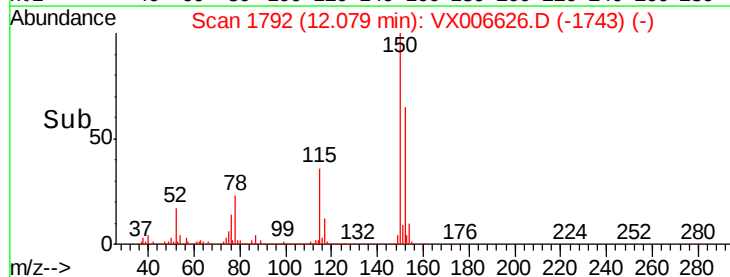
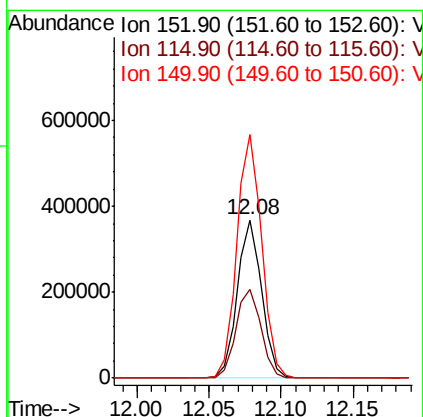
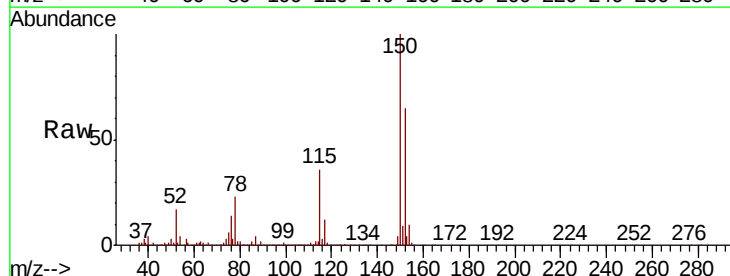
Instrument :
MSVOA_X
ClientSampleId :
MW-16B_R1

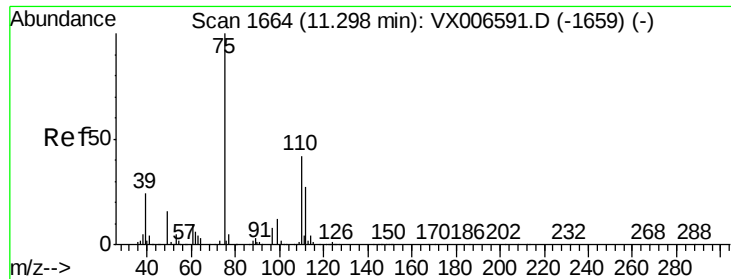
Tot Ion:117 Resp: 930250
Ion Ratio Lower Upper
117 100
82 49.2 39.6 59.4
119 32.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006626.D
Acq: 19 Dec 2018 04:45

Tgt Ion:152 Resp: 434397
Ion Ratio Lower Upper
152 100
115 58.1 39.0 116.9
150 156.8 0.0 345.8

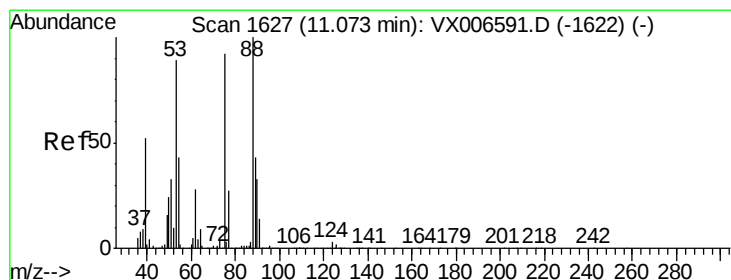
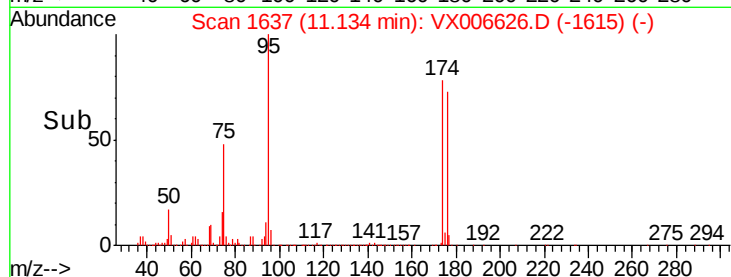
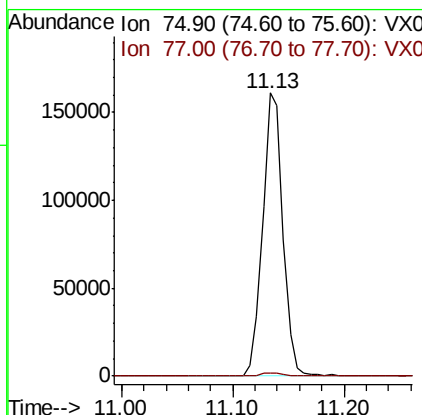
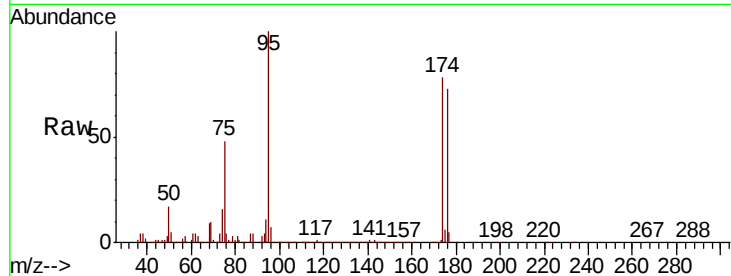




#76
 1,2,3-Trichloropropane
 Concen: 27.044 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006626.D
 Acq: 19 Dec 2018 04:45

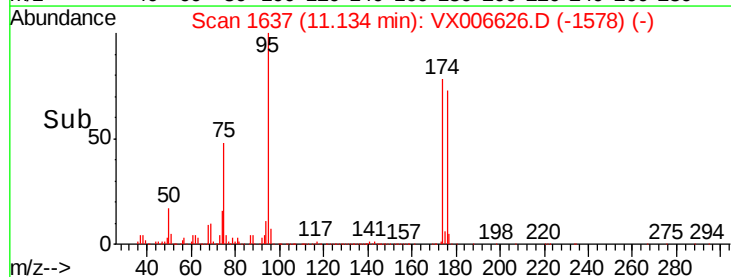
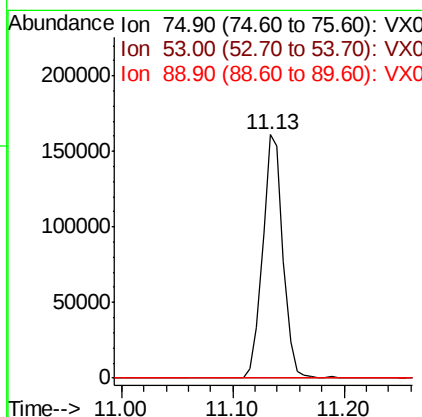
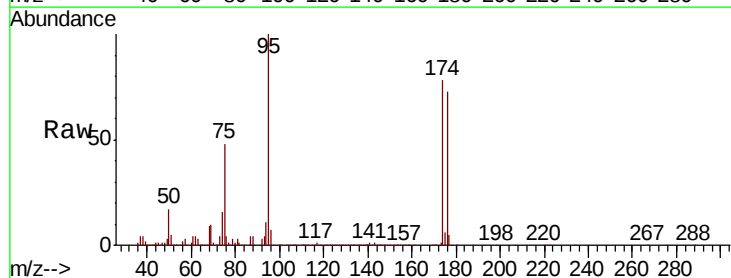
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B_R1

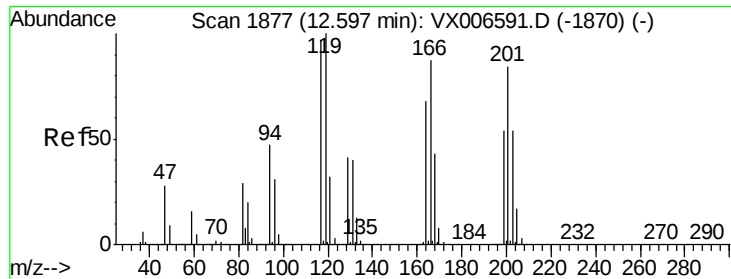
Tot Ion: 75 Resp: 205903
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.282 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006626.D
 Acq: 19 Dec 2018 04:45

Tgt Ion: 75 Resp: 205903
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.4 96.6#
 89 0.0 44.2 66.4#





#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.42 min Scan# 1848

Delta R.T. -0.18 min

Lab File: VX006626.D

Acq: 19 Dec 2018 04:45

Instrument :

MSVOA_X

ClientSampleId :

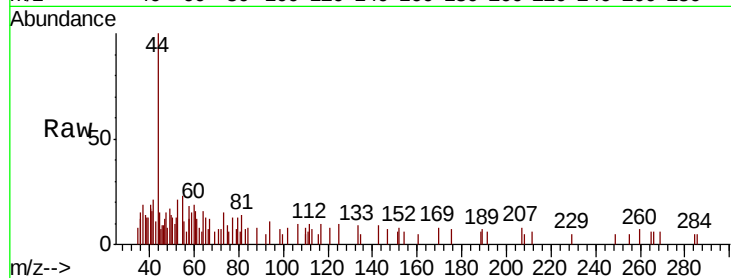
MW-16B_R1

Tot Ion:117 Resp: 86

Ion Ratio Lower Upper

117 100

201 61.6 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

