

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006628.D
 Acq On : 19 Dec 2018 05:38
 Operator : JC/MD
 Sample : J6449-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16D_R1

Quant Time: Dec 19 07:39:49 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	624229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	999412	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	920700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	434721	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	350850	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	5.51	113	297921	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	8.71	98	1190884	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	434286	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	

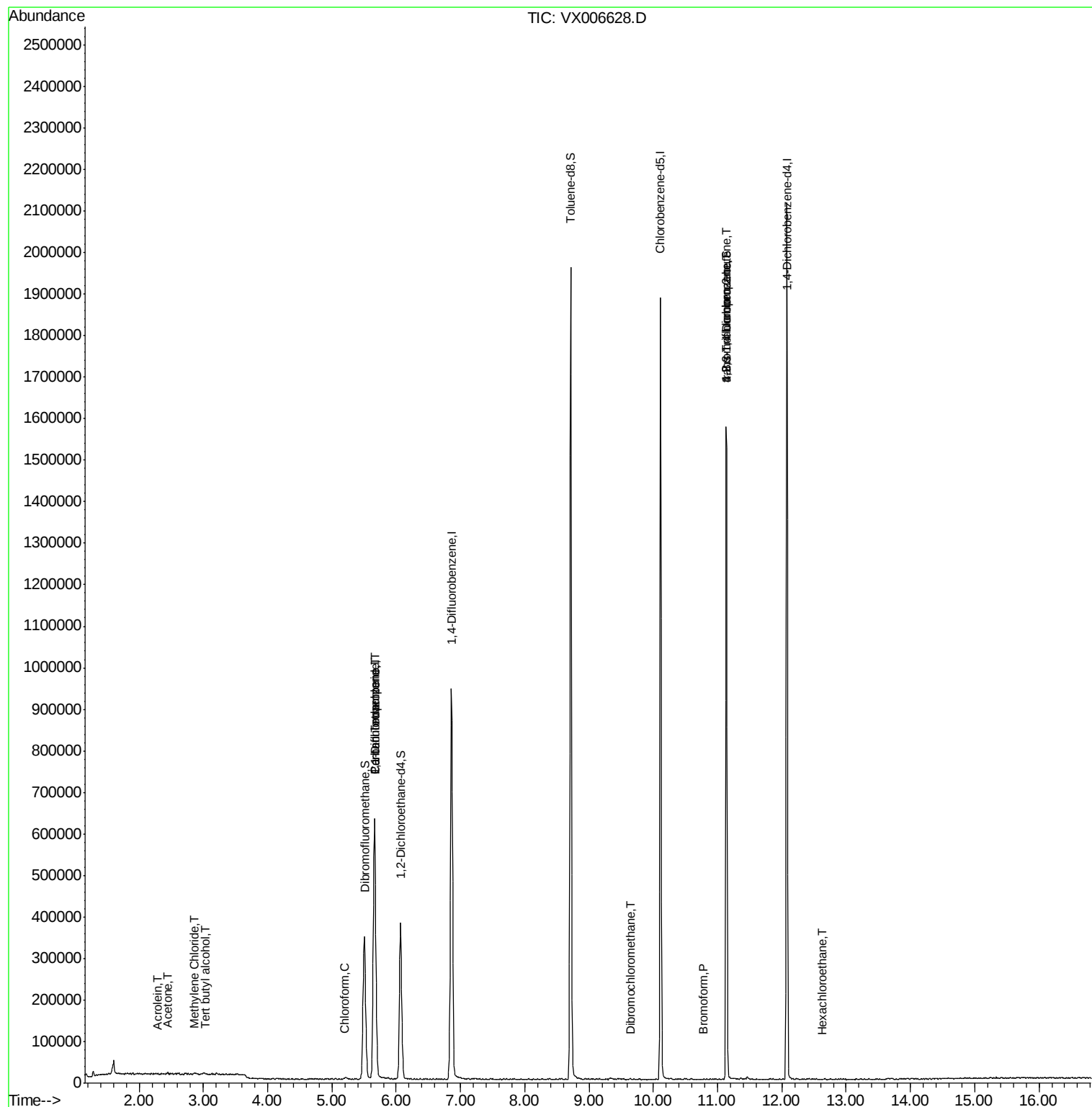
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	267	Below Cal	#	51
11) Tert butyl alcohol	3.03	59	1944	1.295	ug/l	98
13) Acrolein	2.28	56	317	0.313	ug/l #	60
16) Acetone	2.45	43	2793	0.904	ug/l	100
20) Methylene Chloride	2.86	84	1531	0.240	ug/l #	53
28) Bromochloromethane	5.01	49	196	Below Cal	#	3
30) Chloroform	5.21	83	4540	0.428	ug/l	93
36) 1,1-Dichloropropene	5.66	75	42906	5.183	ug/l #	49
38) Carbon Tetrachloride	5.67	117	60608	7.534	ug/l #	16
49) 1,4-Dioxane	7.75	88	23	Below Cal	#	1
60) Dibromochloromethane	9.65	129	116	2.340	ug/l	60
71) Bromoform	10.77	173	122	4.480	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	201066	26.389	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	201066	73.561	ug/l #	15
90) Hexachloroethane	12.63	117	37	3.302	ug/l	74

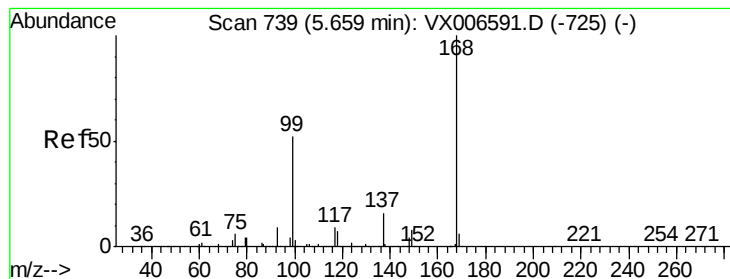
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121818\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

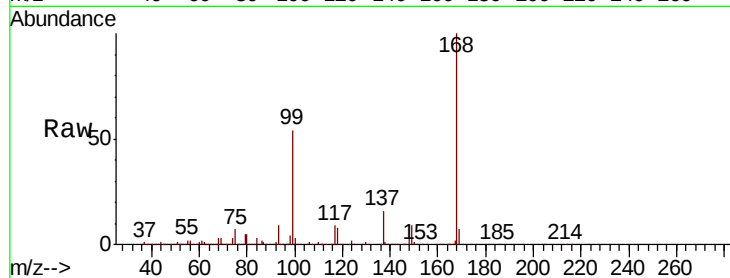
MW-16D_R1

Tot Ion:168 Resp: 624229

Ion Ratio Lower Upper

168 100

99 54.2 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

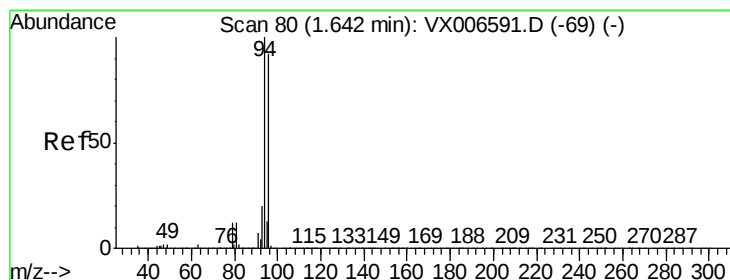
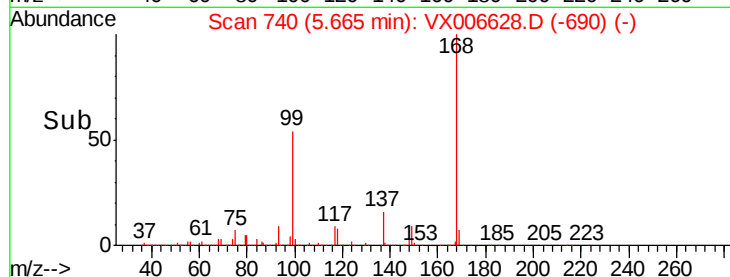
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006628.D

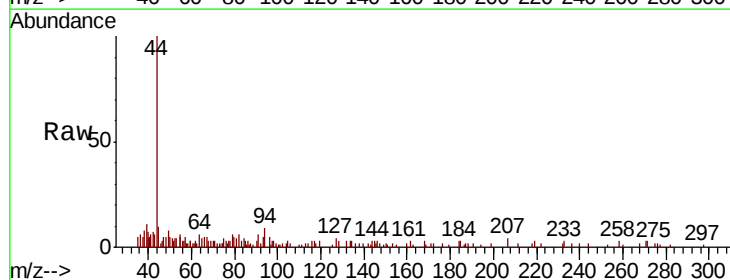
Acq: 19 Dec 2018 05:38

Tgt Ion: 94 Resp: 267

Ion Ratio Lower Upper

94 100

96 46.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

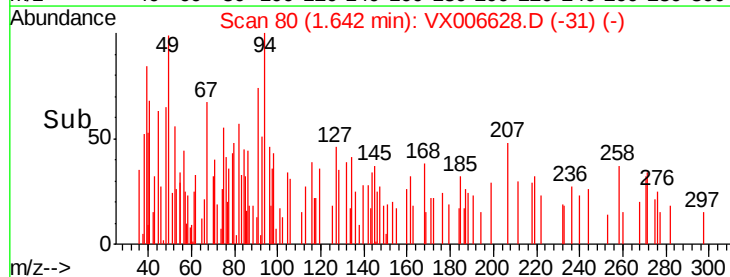
600

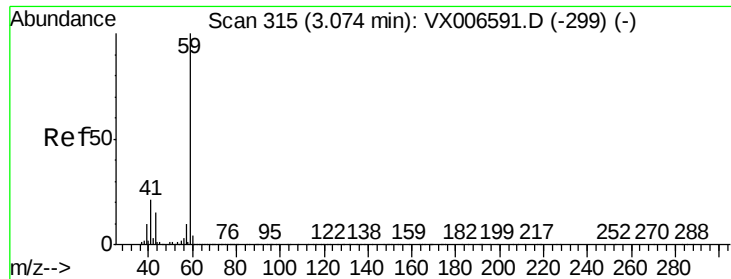
400

200

0

Time-->



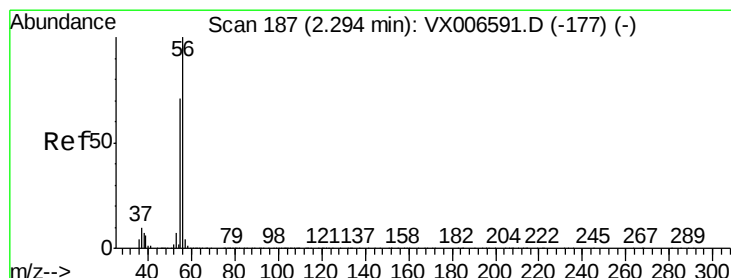
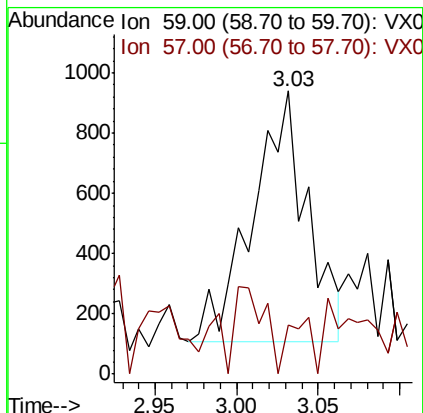
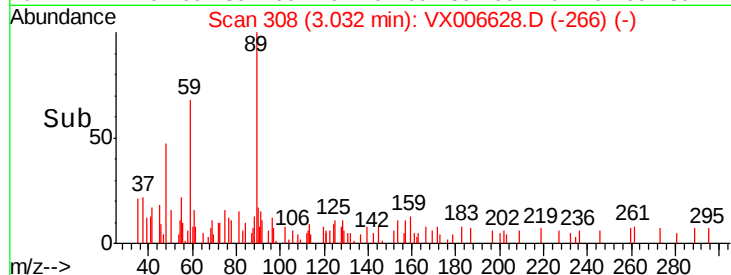
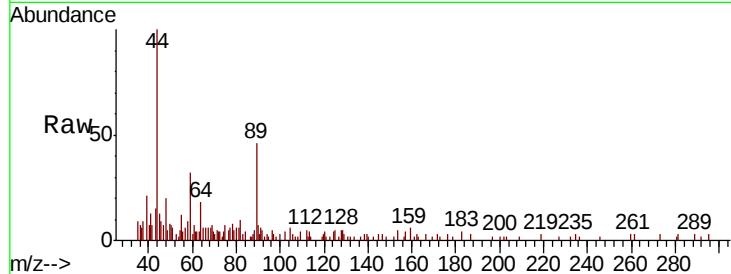


#11

Tert butyl alcohol
Concen: 1.295 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.04 min
Lab File: VX006628.D
Acq: 19 Dec 2018 05:38

Instrument :
MSVOA_X
ClientSampled :
MW-16D_R1

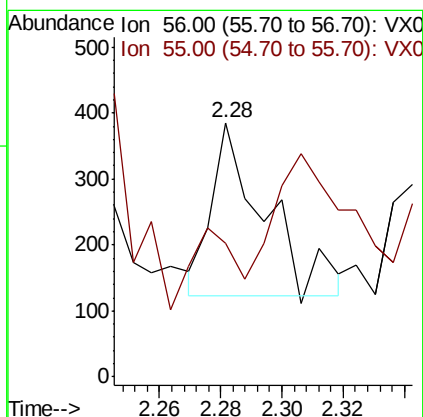
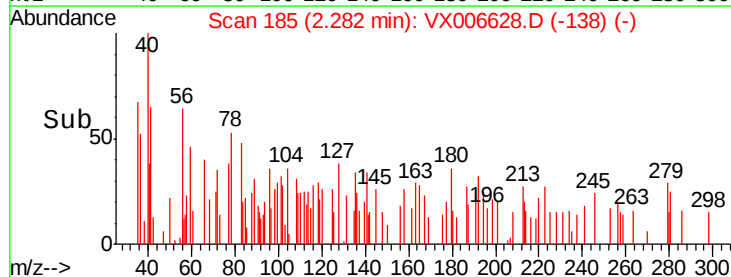
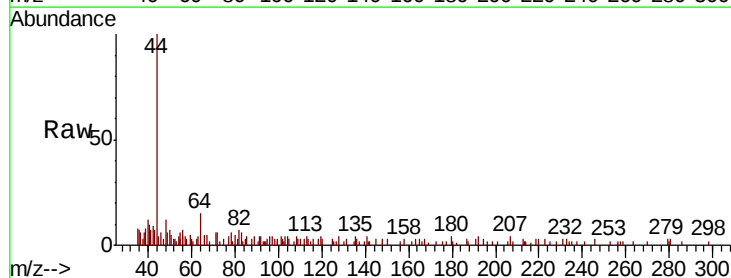
Tot Ion: 59 Resp: 1944
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2

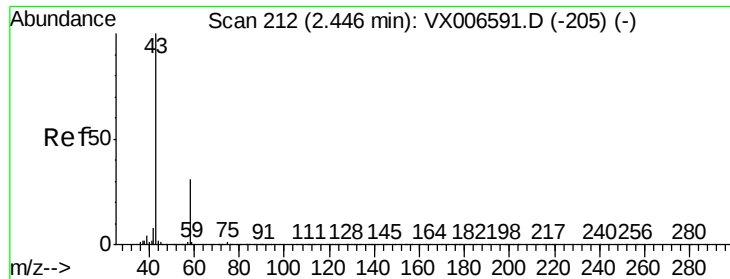


#13

Acrolein
Concen: 0.313 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX006628.D
Acq: 19 Dec 2018 05:38

Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 38.8 57.8 86.6#





#16

Acetone

Concen: 0.904 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

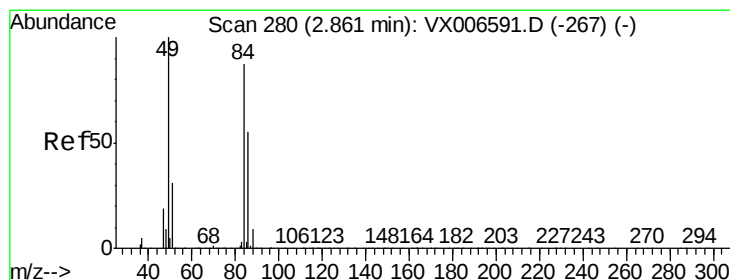
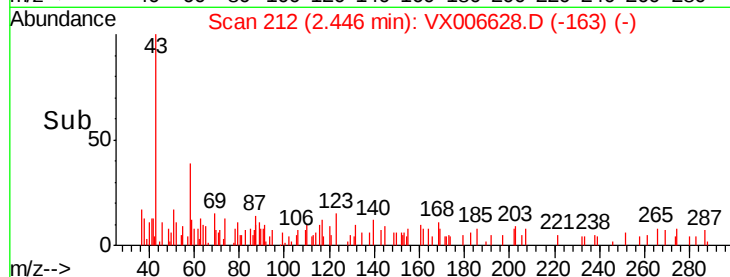
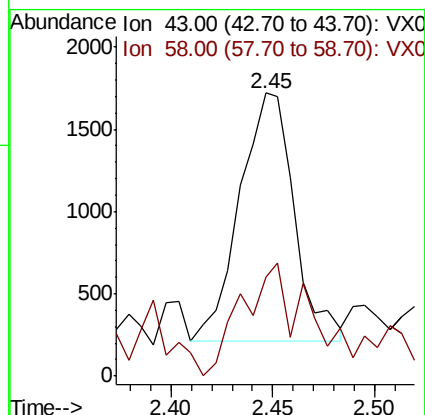
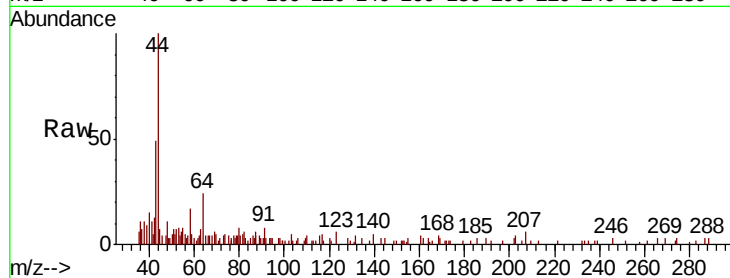
MW-16D_R1

Tot Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0



#20

Methylene Chloride

Concen: 0.240 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Tgt Ion: 84 Resp: 1531

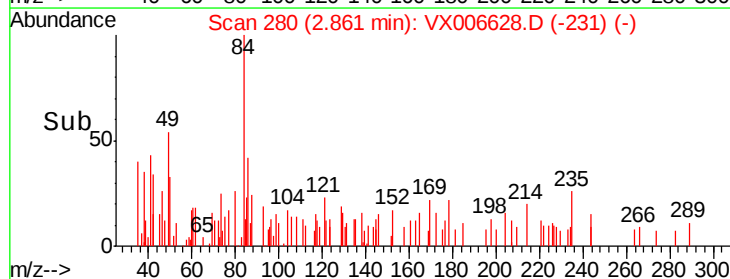
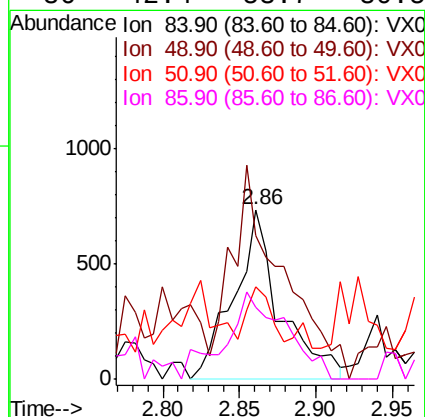
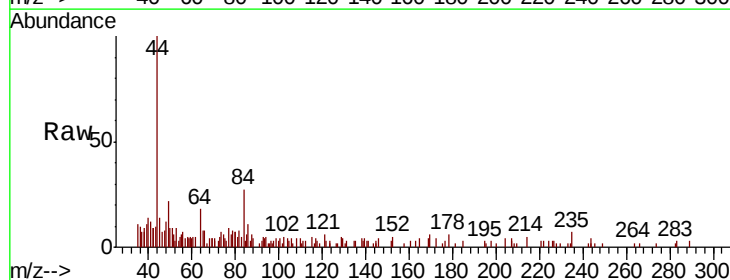
Ion Ratio Lower Upper

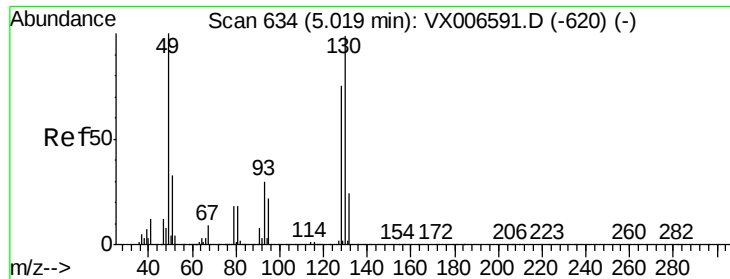
84 100

49 64.3 102.2 153.4#

51 9.3 31.1 46.7#

86 42.4 53.7 80.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R1

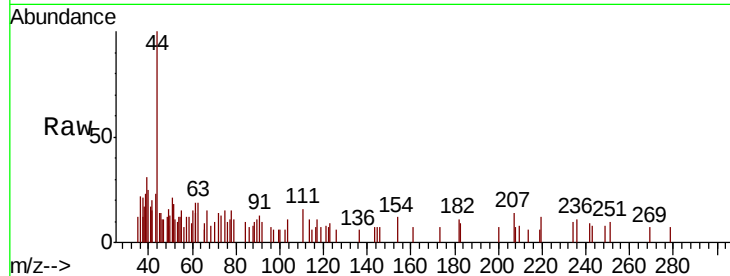
Tot Ion: 49 Resp: 196

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

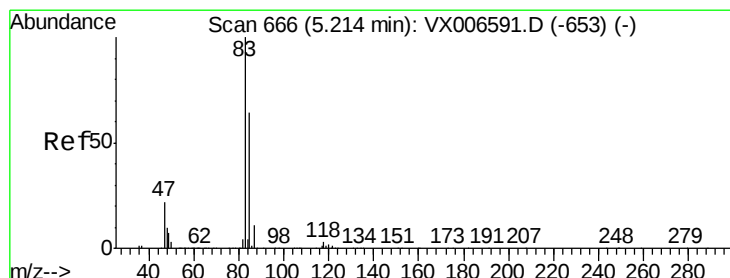
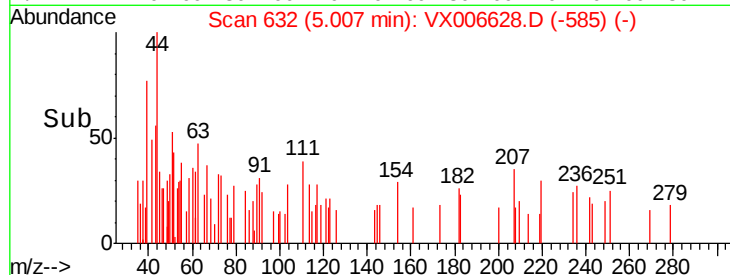
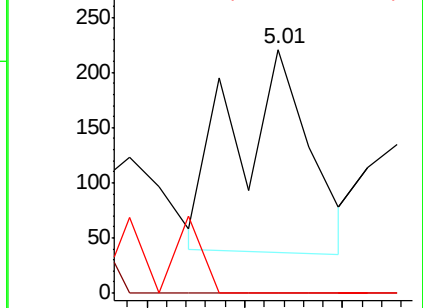
130 0.0 78.3 117.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.428 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX006628.D

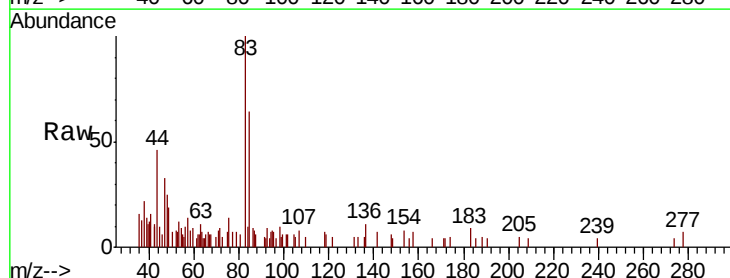
Acq: 19 Dec 2018 05:38

Tgt Ion: 83 Resp: 4540

Ion Ratio Lower Upper

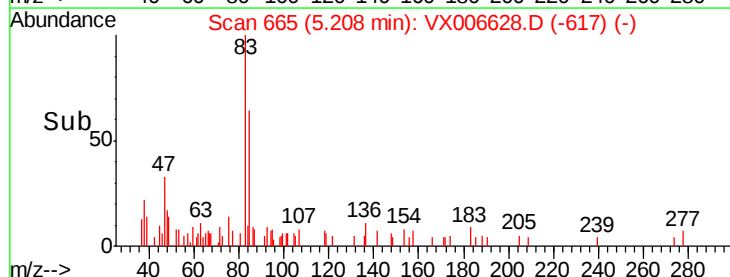
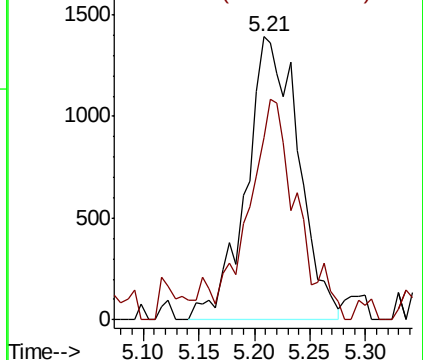
83 100

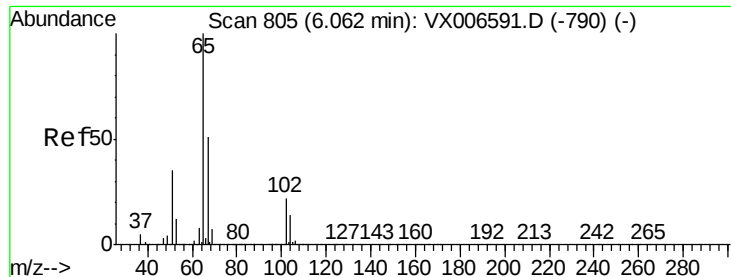
85 57.5 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.150 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

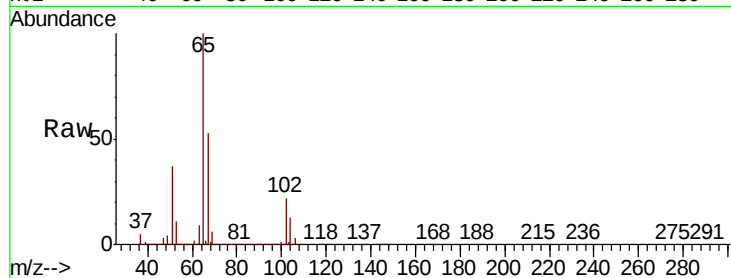
MW-16D_R1

Tot Ion: 65 Resp: 350850

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

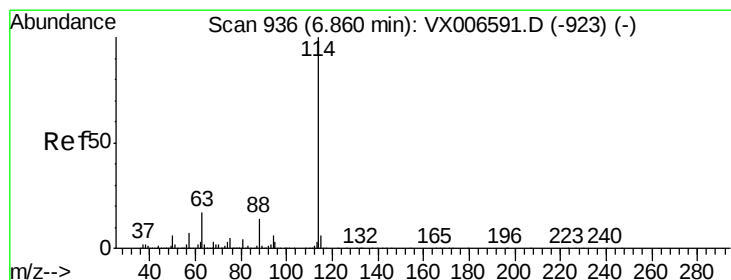
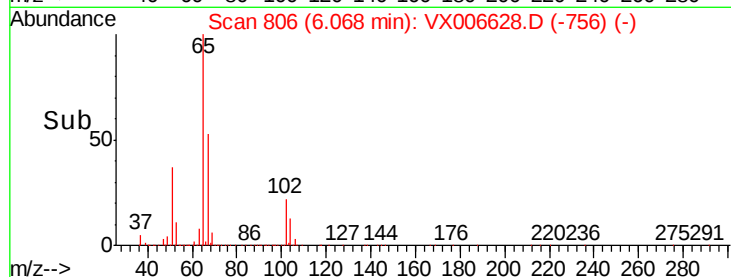
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

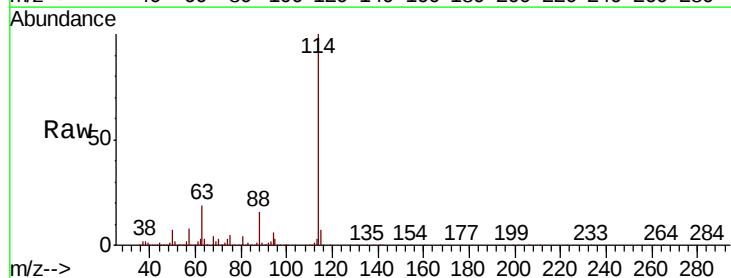
Tgt Ion: 114 Resp: 999412

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.6

88 15.6 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

6.86

500000

400000

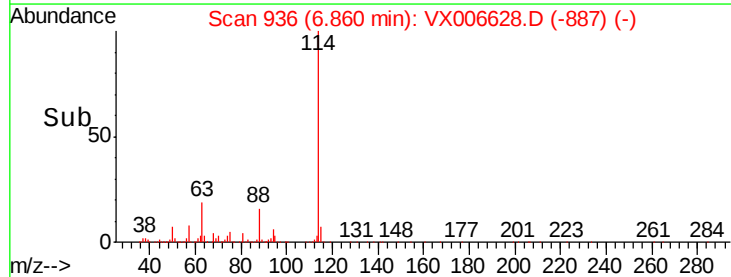
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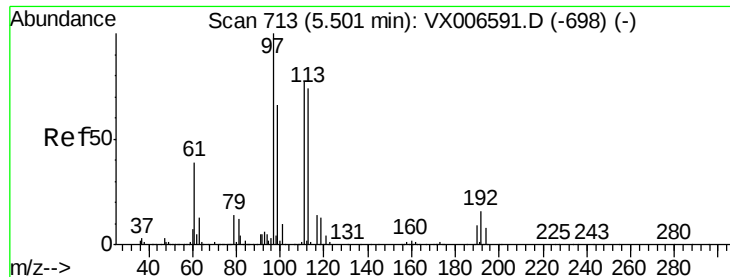
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.139 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R1

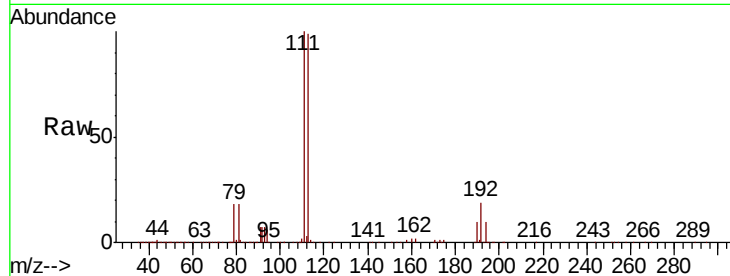
Tot Ion:113 Resp: 297921

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

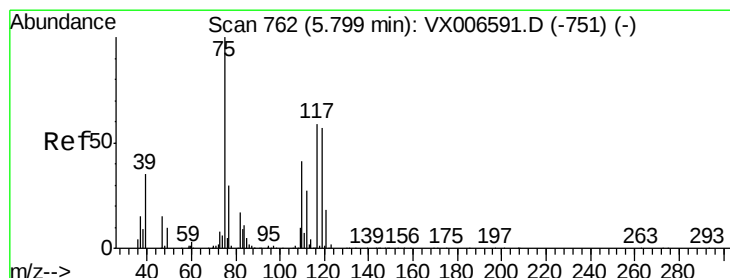
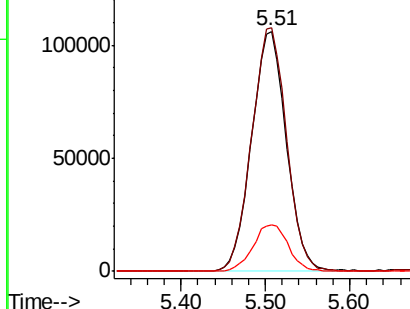
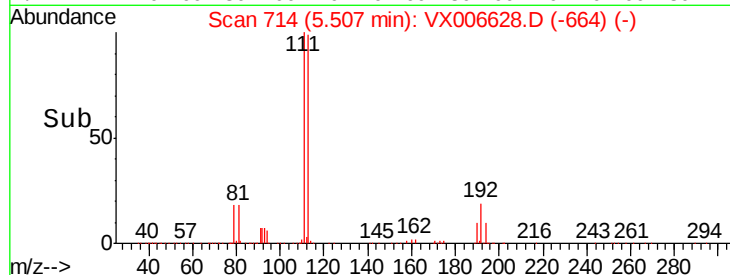
192 20.0 18.2 27.2



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: 5.183 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

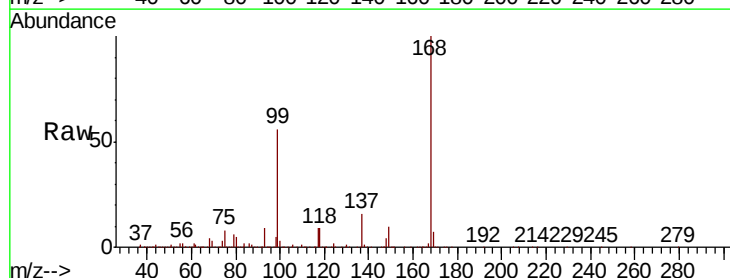
Tgt Ion: 75 Resp: 42906

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

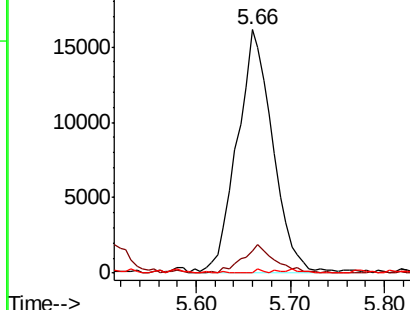
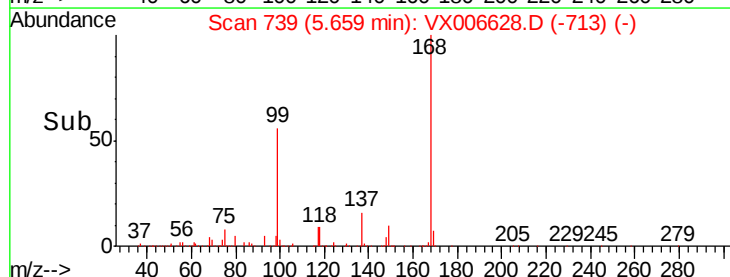
77 0.4 24.9 37.3#

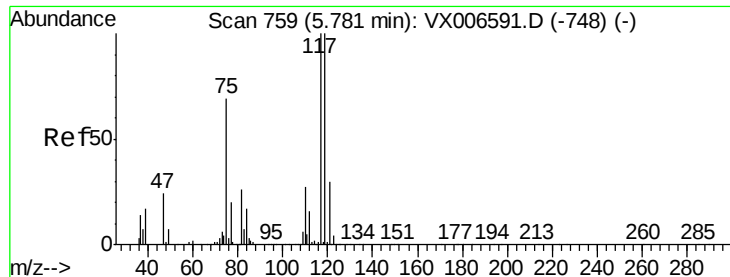


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.534 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampled :

MW-16D_R1

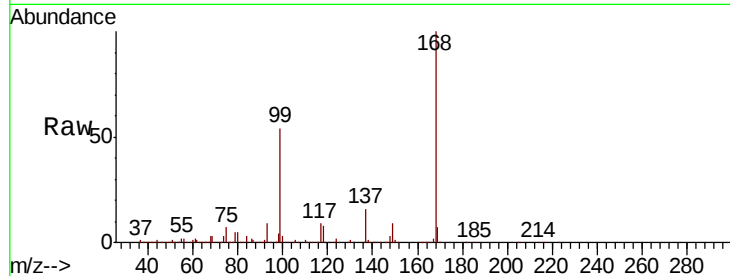
Tot Ion:117 Resp: 60608

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

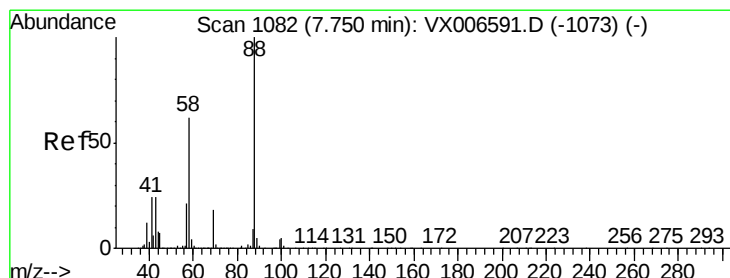
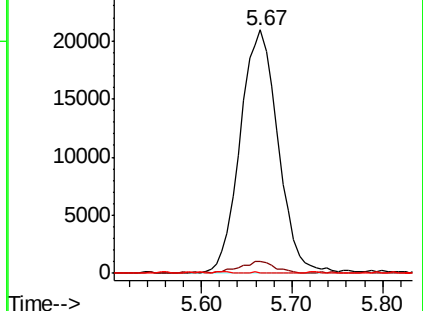
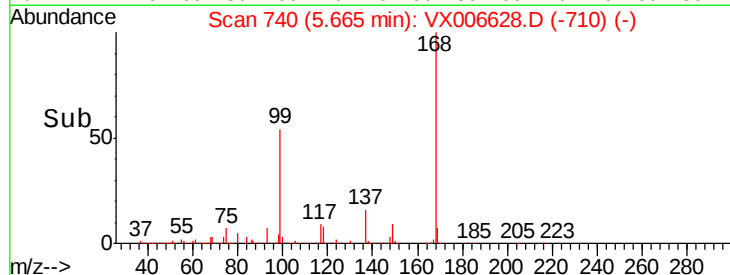
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

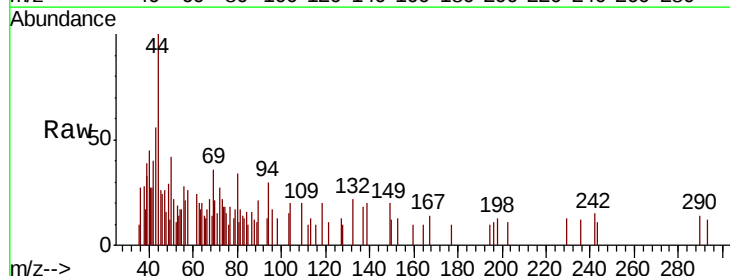
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 3843.5 23.2 34.8#

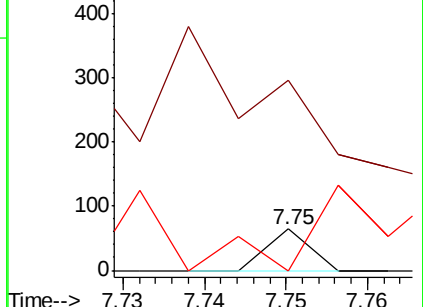
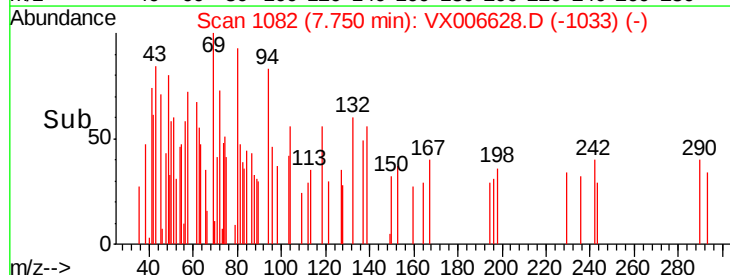
58 0.0 51.4 77.0#

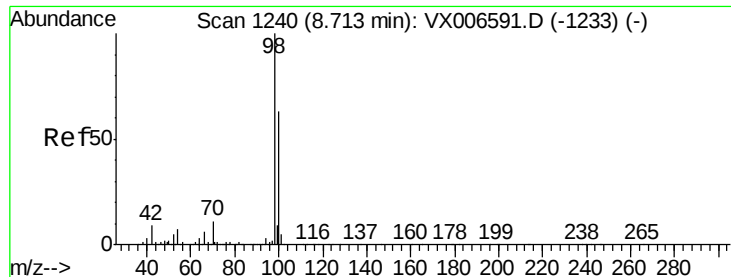


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.980 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

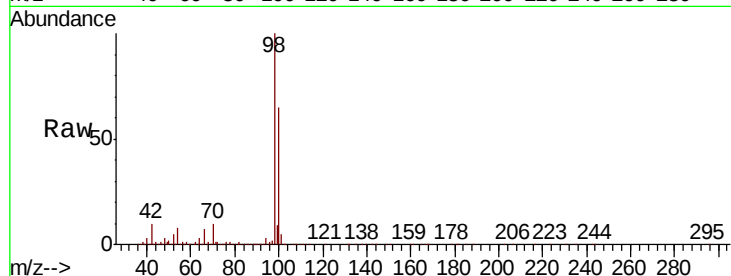
MW-16D_R1

Tot Ion: 98 Resp: 1190884

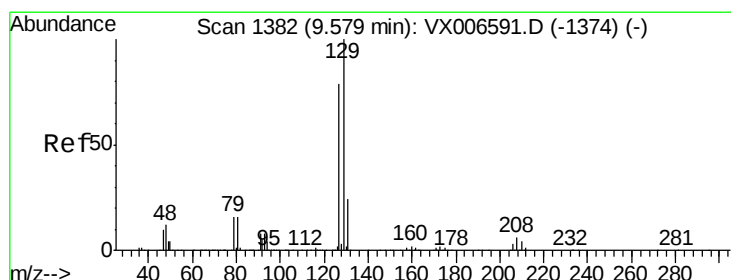
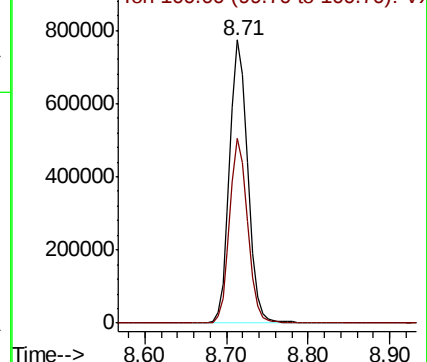
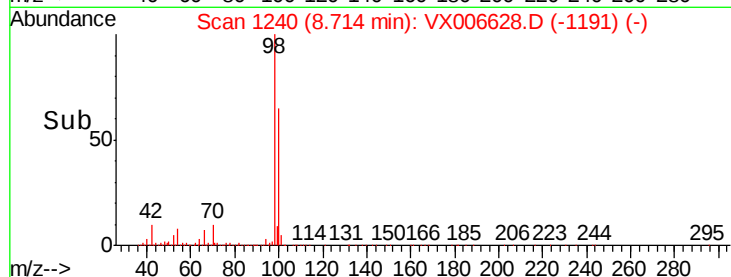
Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX006628.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.340 ug/l

RT: 9.65 min Scan# 1394

Delta R.T. 0.07 min

Lab File: VX006628.D

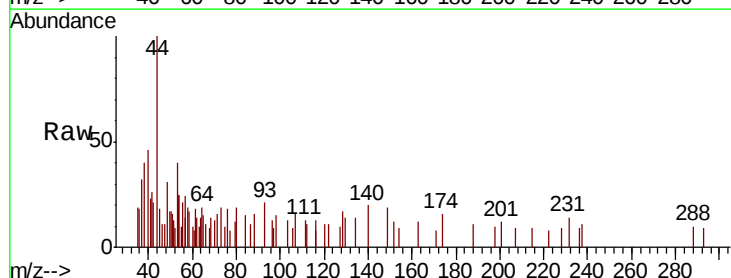
Acq: 19 Dec 2018 05:38

Tgt Ion: 129 Resp: 116

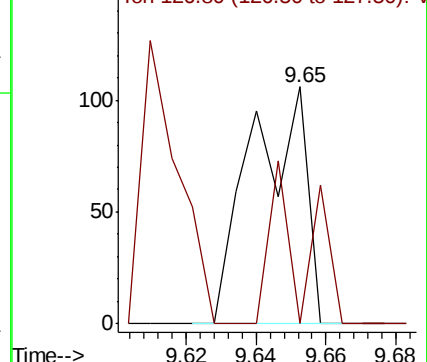
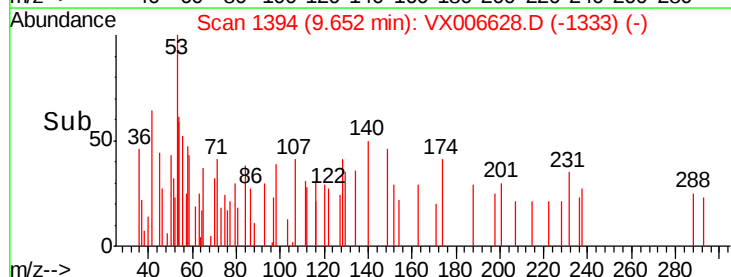
Ion Ratio Lower Upper

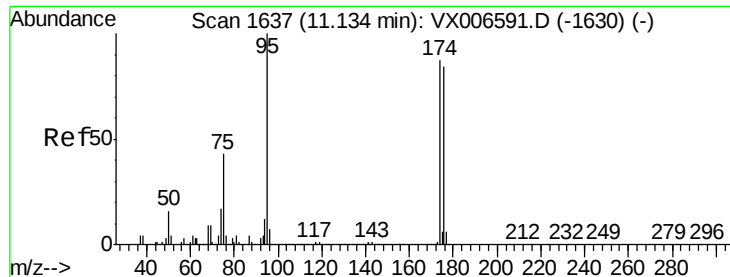
129 100

127 42.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VX006628.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 49.767 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R1

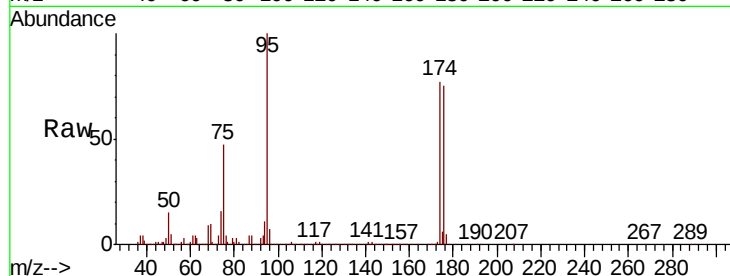
Tot Ion: 95 Resp: 434286

Ion Ratio Lower Upper

95 100

174 83.3 0.0 187.0

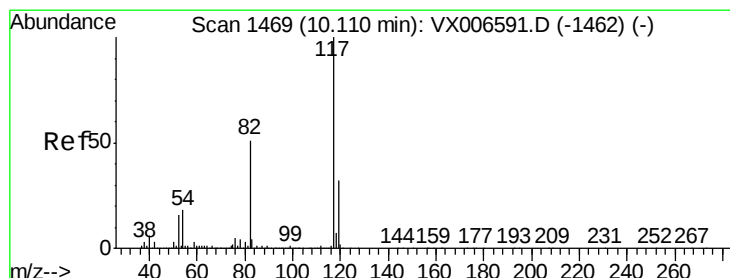
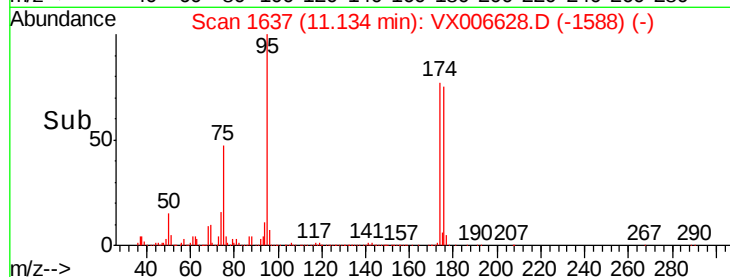
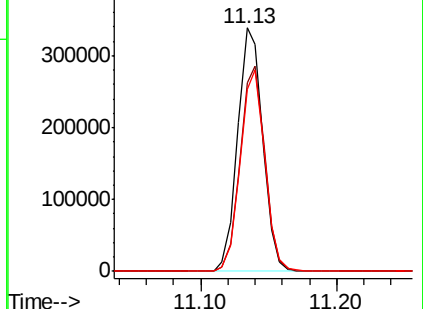
176 81.2 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006628.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006628.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006628.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

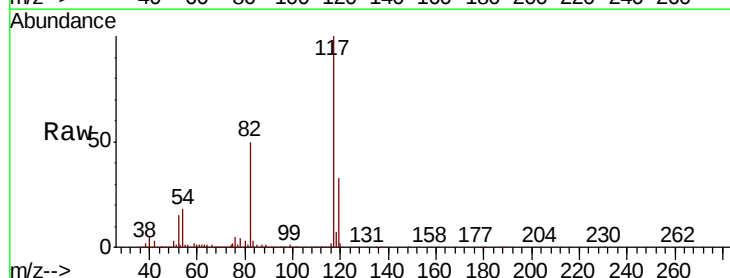
Tgt Ion: 117 Resp: 920700

Ion Ratio Lower Upper

117 100

82 50.4 39.6 59.4

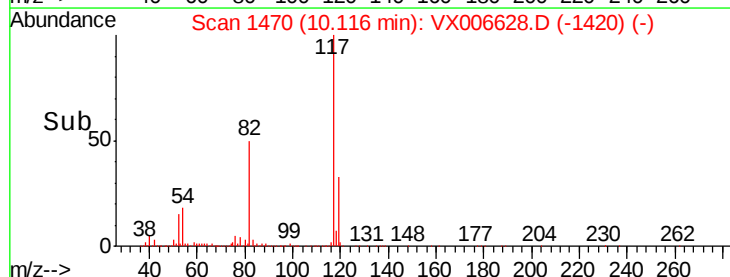
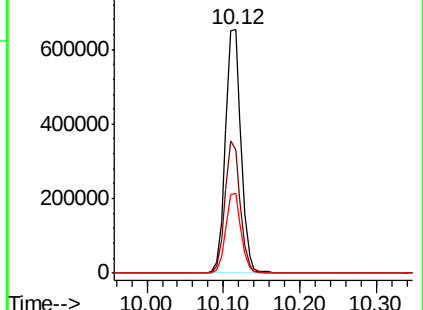
119 32.6 26.3 39.5

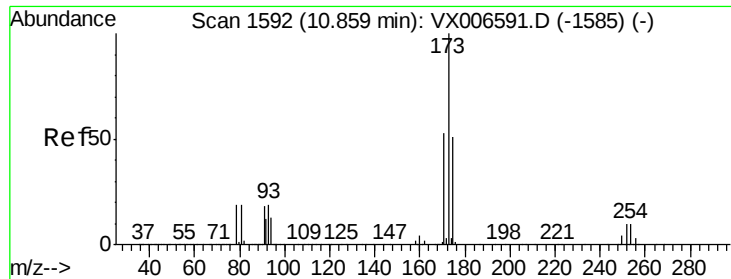


Abundance Ion 116.90 (116.60 to 117.60): VX006628.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006628.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006628.D (-1420) (-)

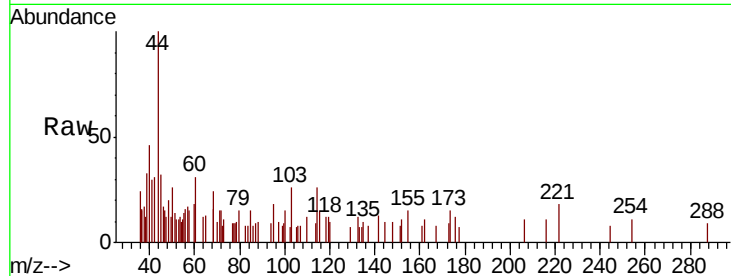




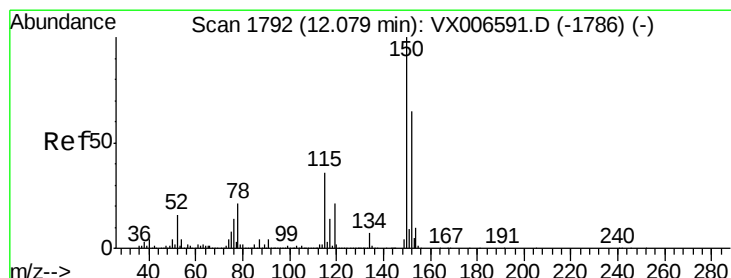
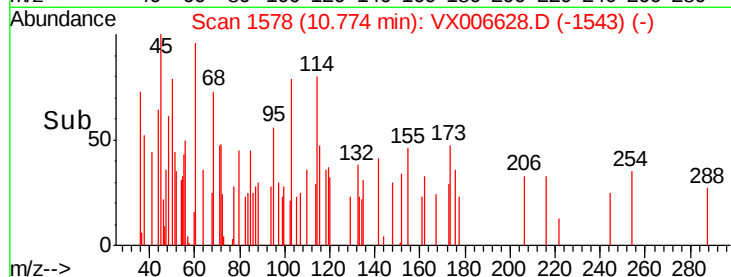
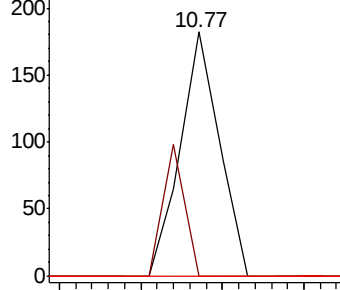
#71
Bromoform
Concen: 4.480 ug/l
RT: 10.77 min Scan# 1578
Delta R.T. -0.08 min
Lab File: VX006628.D
Acq: 19 Dec 2018 05:38

Instrument :
MSVOA_X
ClientSampleID :
MW-16D_R1

Tot Ion:173 Resp: 122
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.2 0.2#

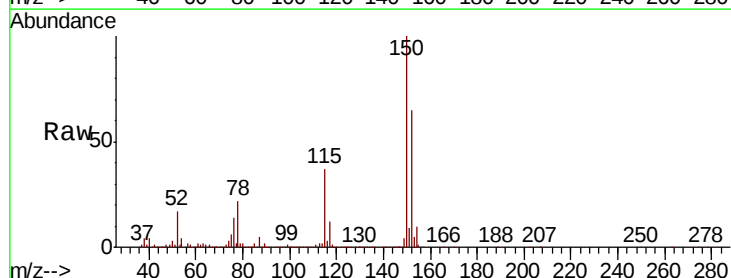


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

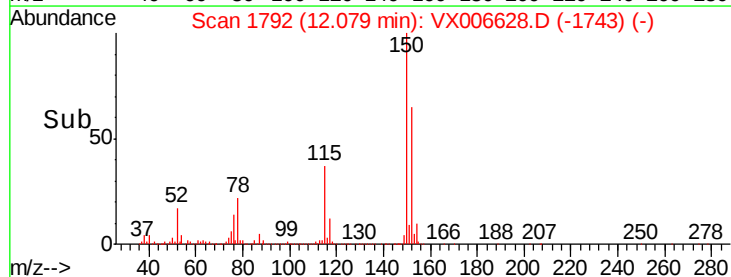
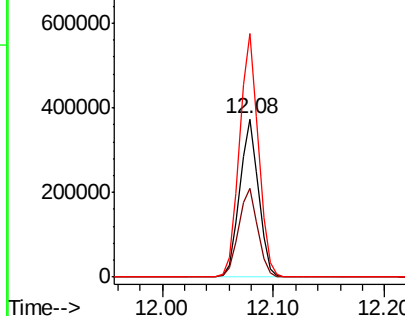


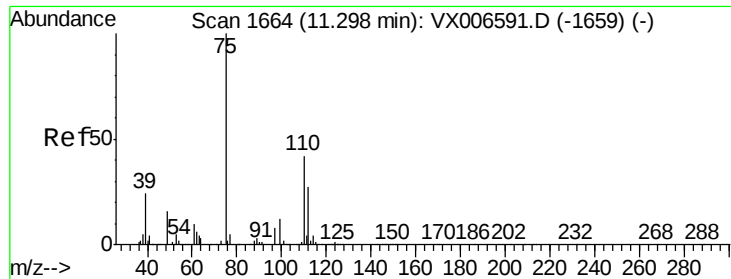
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006628.D
Acq: 19 Dec 2018 05:38

Tgt Ion:152 Resp: 434721
Ion Ratio Lower Upper
152 100
115 57.5 39.0 116.9
150 155.6 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: 26.389 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

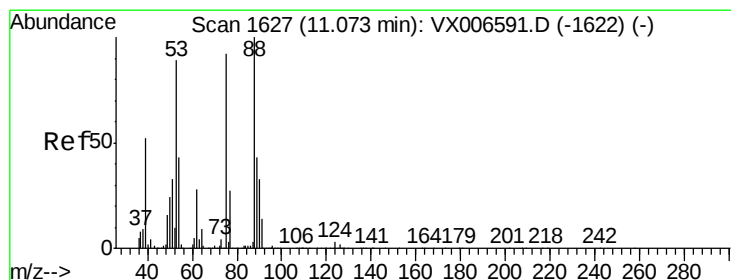
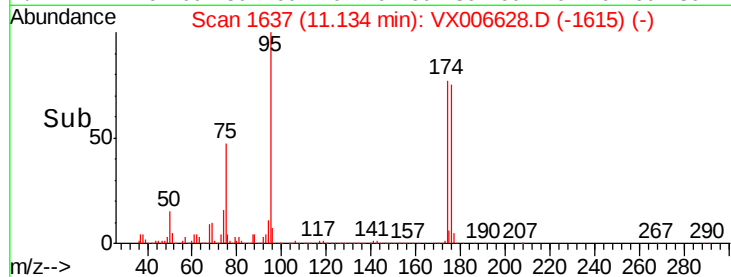
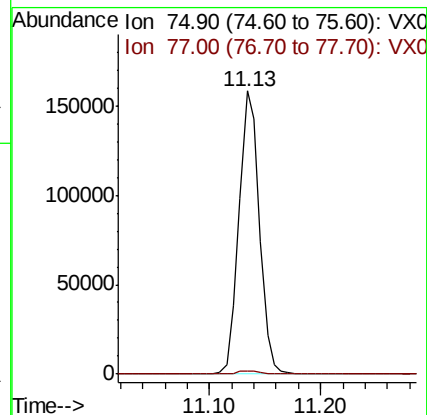
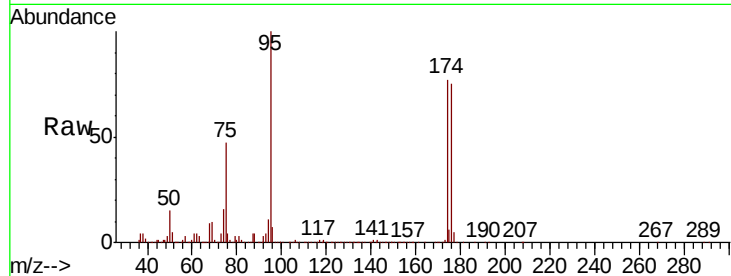
MW-16D_R1

Tot Ion: 75 Resp: 201066

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.561 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

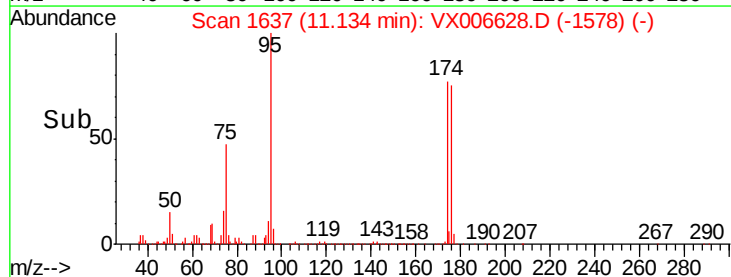
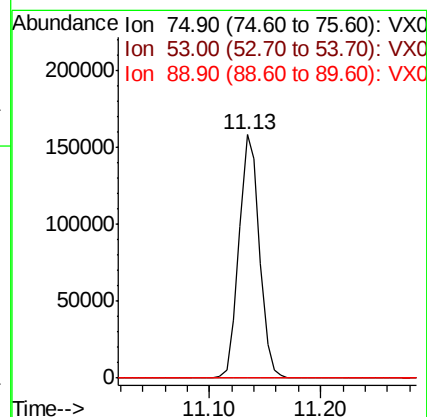
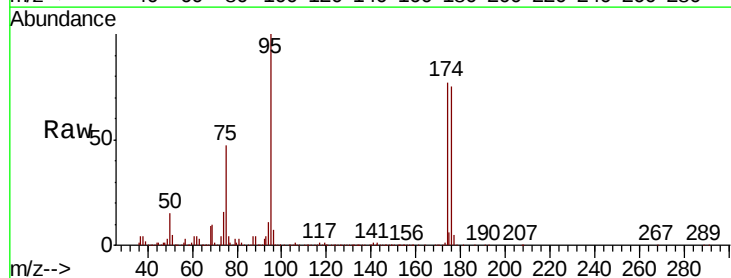
Tgt Ion: 75 Resp: 201066

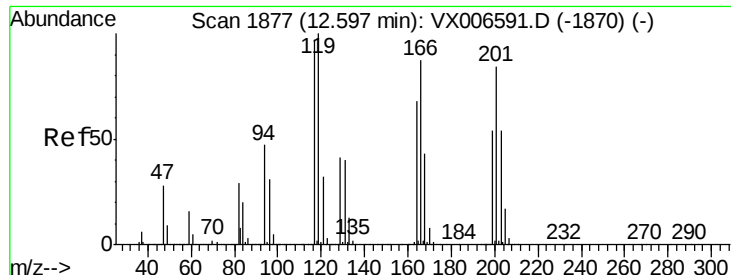
Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#





#90

Hexachloroethane

Concen: 3.302 ug/l

RT: 12.63 min Scan# 1882

Delta R.T. 0.03 min

Lab File: VX006628.D

Acq: 19 Dec 2018 05:38

Instrument :

MSVOA_X

ClientSampleId :

MW-16D_R1

Tot Ion:117 Resp: 37

Ion Ratio Lower Upper

117 100

201 64.9 44.7 134.1

