

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011577.D
 Acq On : 16 Aug 2019 13:40
 Operator : JC/SP
 Sample : K4262-10DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-20B_080819DL

Quant Time: Aug 19 01:47:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

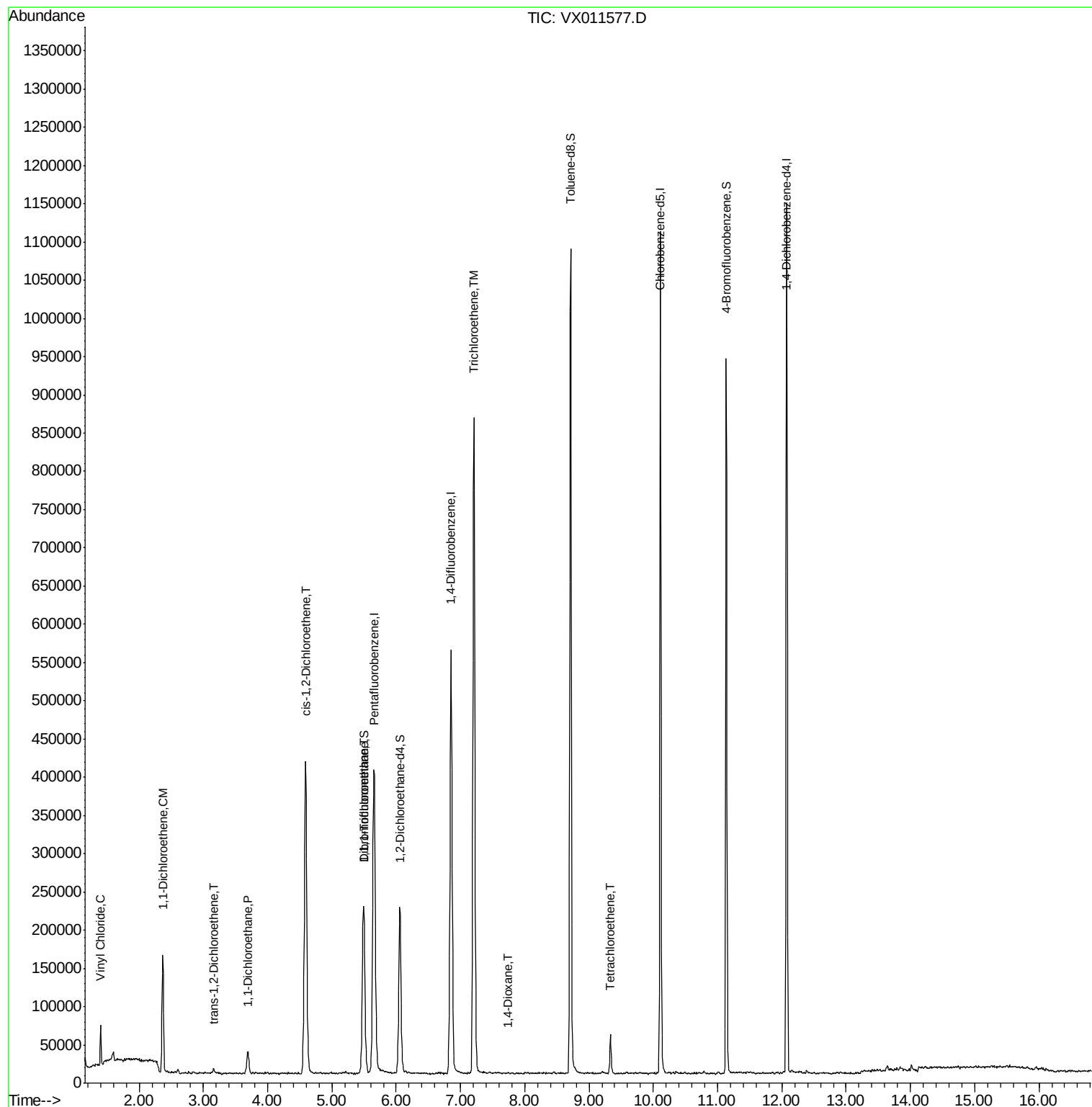
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	437419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	600646	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	528665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	209298	51.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.20%	
35) Dibromofluoromethane	5.49	113	183614	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	685085	55.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.94%	
62) 4-Bromofluorobenzene	11.13	95	234189	45.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.66%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	32883	8.151	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53840	14.436	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	2570	0.650	ug/l	85
24) 1,1-Dichloroethane	3.69	63	33836	4.844	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	275815	59.862	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	3964	0.625	ug/l #	44
44) Trichloroethene	7.21	130	362212	76.509	ug/l	97
49) 1,4-Dioxane	7.74	88	1876	15.451	ug/l #	59
64) Tetrachloroethene	9.34	164	11722	2.702	ug/l	93

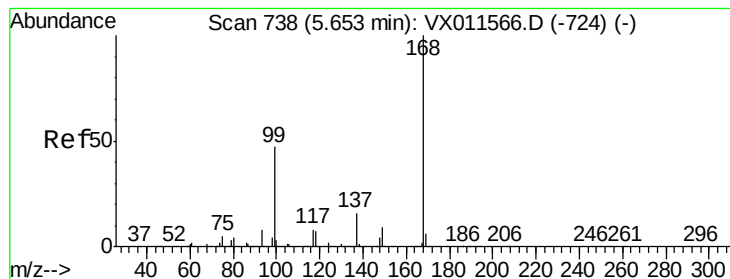
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

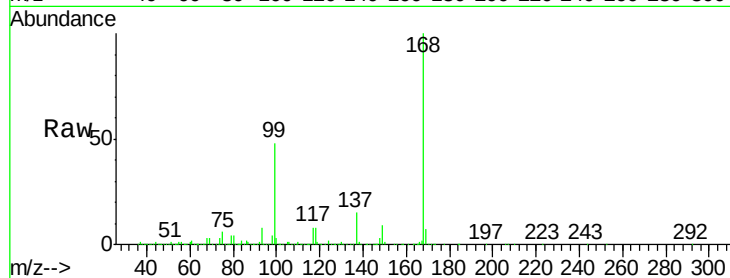
MW-20B_080819DL

Tot Ion:168 Resp: 437419

Ion Ratio Lower Upper

168 100

99 47.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

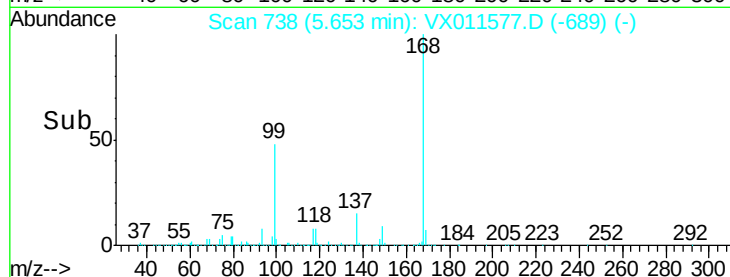
150000

100000

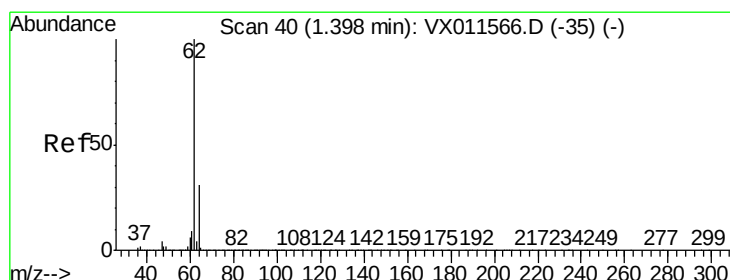
50000

0

5.50 5.60 5.70 5.80



Time-->



#4

Vinyl Chloride

Concen: 8.151 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011577.D

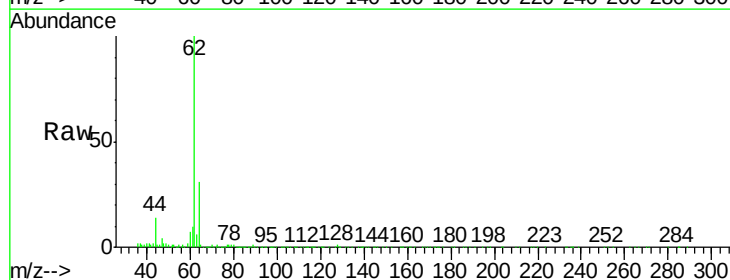
Acq: 16 Aug 2019 13:40

Tgt Ion: 62 Resp: 32883

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

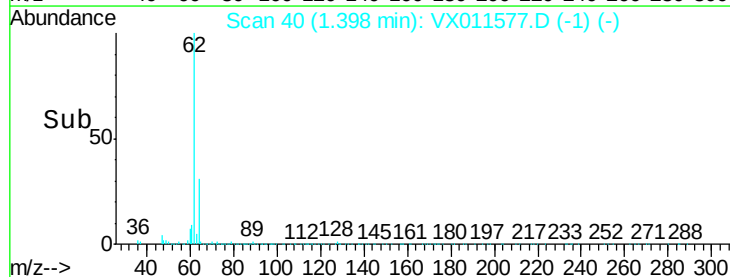
30000

20000

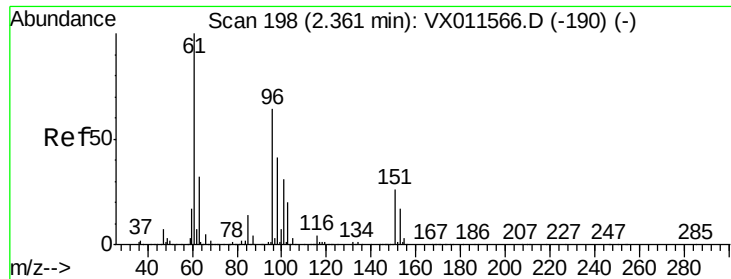
10000

0

1.35 1.40 1.45



Time-->



#12

1,1-Dichloroethene

Concen: 14.436 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.01 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819DL

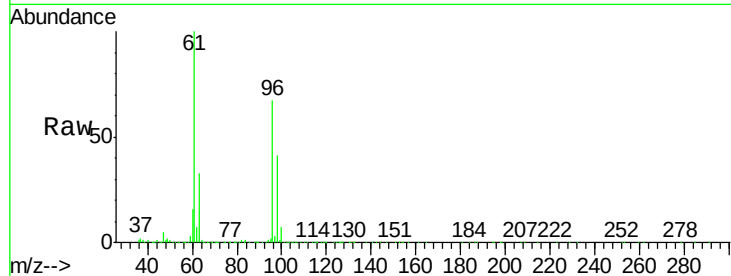
Tot Ion: 96 Resp: 53840

Ion Ratio Lower Upper

96 100

61 148.4 125.0 187.4

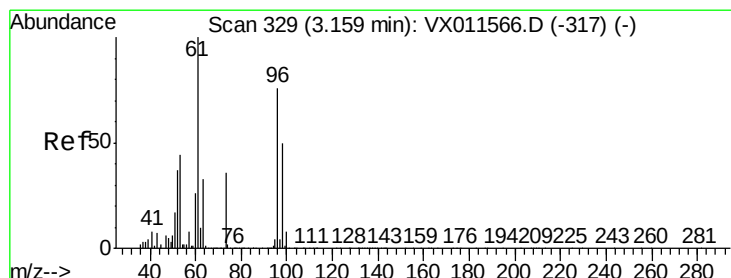
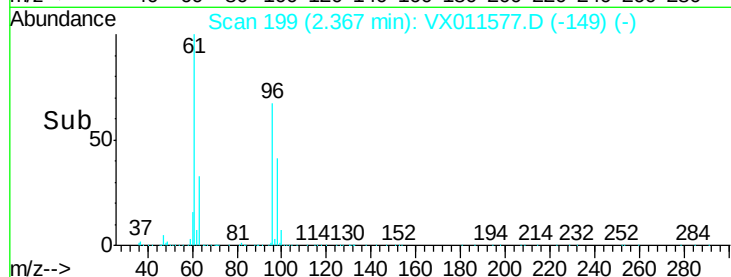
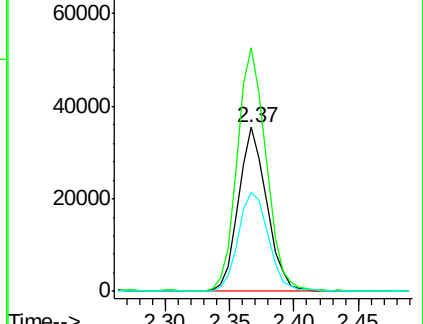
98 60.6 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.650 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

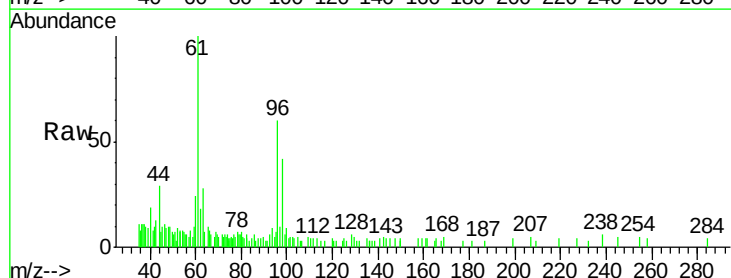
Tgt Ion: 96 Resp: 2570

Ion Ratio Lower Upper

96 100

61 156.2 105.5 158.3

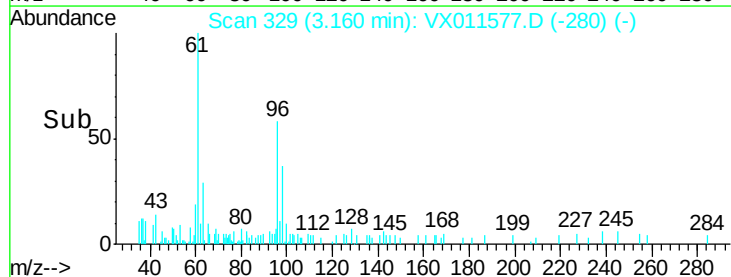
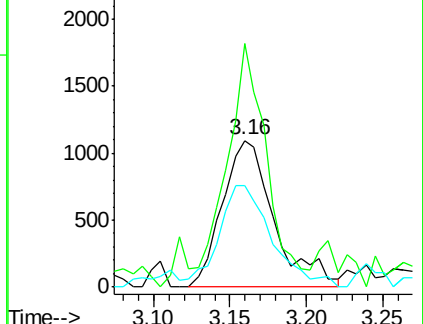
98 69.2 52.6 78.8

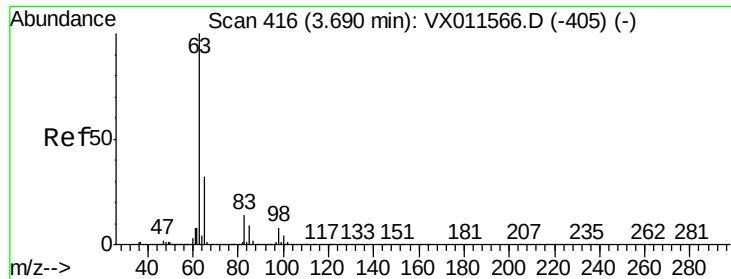


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 4.844 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819DL

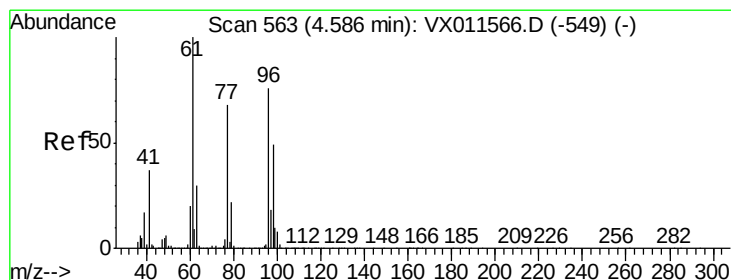
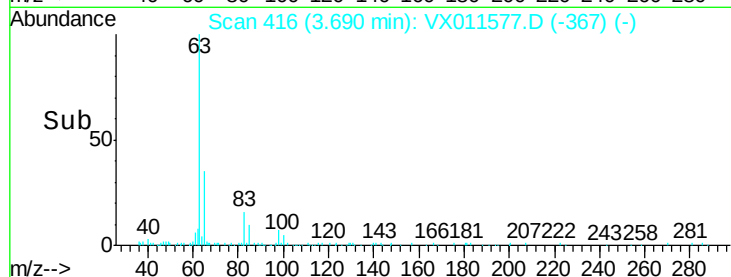
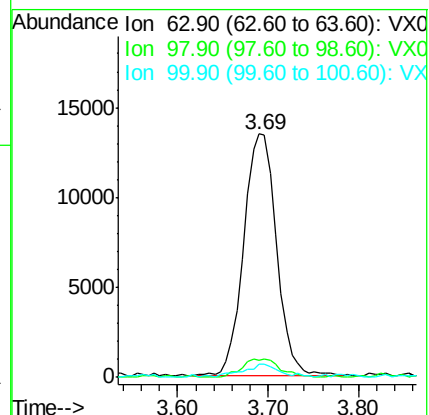
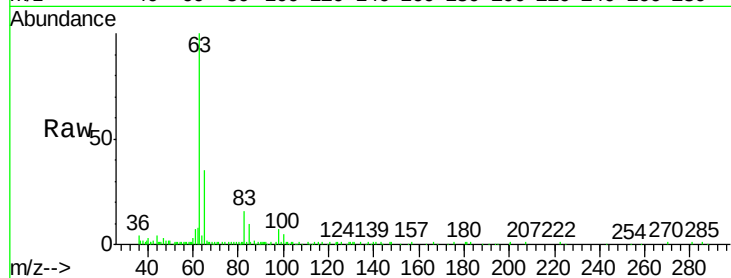
Tot Ion: 63 Resp: 33836

Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.3 2.1 6.3



#27

cis-1,2-Dichloroethene

Concen: 59.862 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

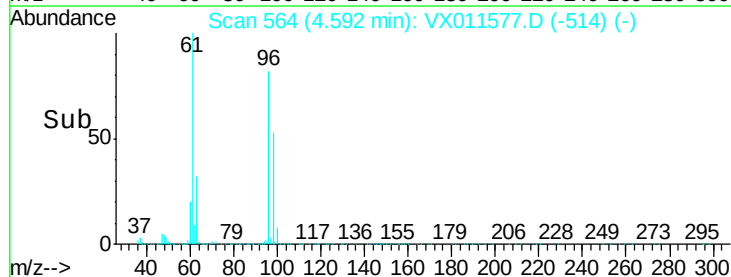
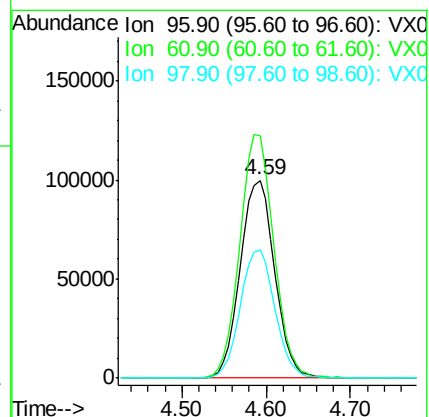
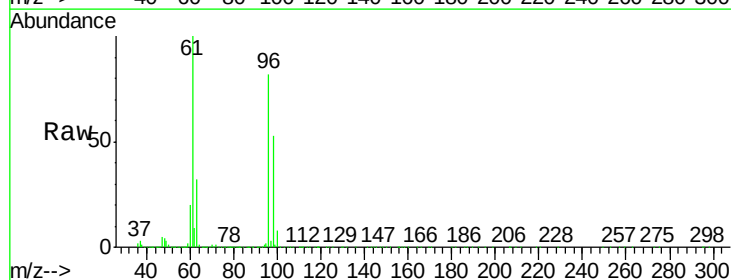
Tgt Ion: 96 Resp: 275815

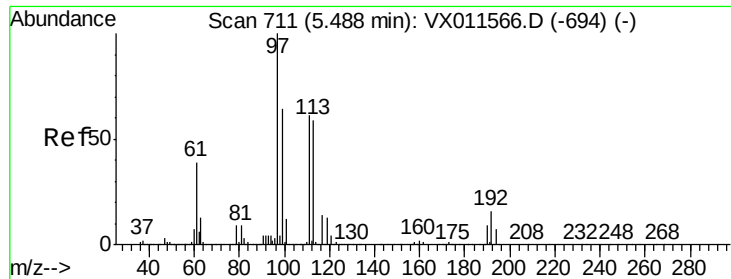
Ion Ratio Lower Upper

96 100

61 121.9 0.0 272.6

98 65.2 0.0 129.4





#32

1,1,1-Trichloroethane

Concen: 0.625 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819DL

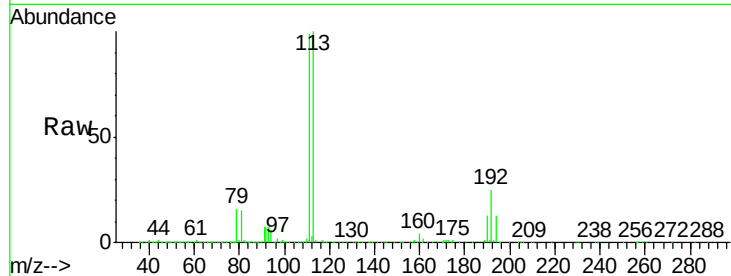
Tot Ion: 97 Resp: 3964

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

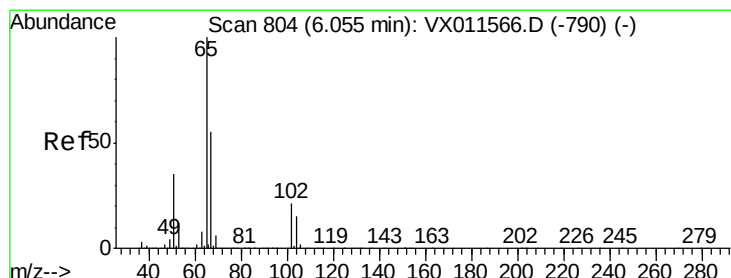
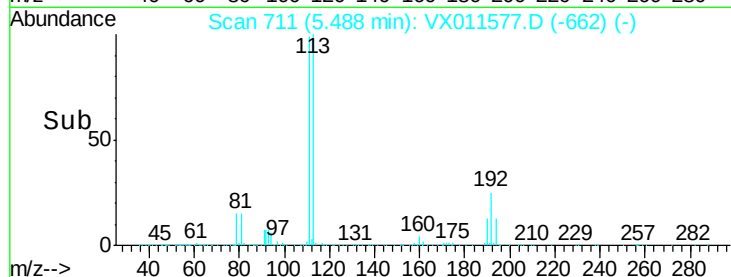
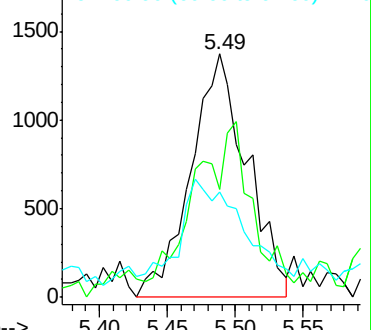
61 47.3 31.4 47.2#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.596 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011577.D

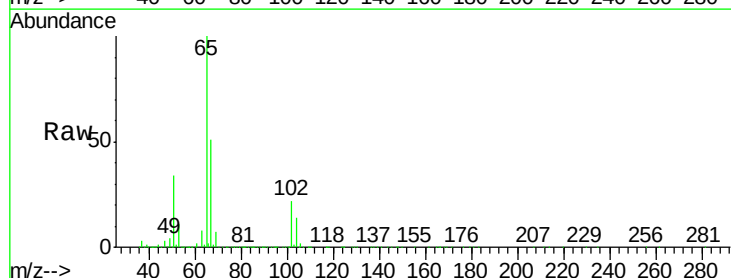
Acq: 16 Aug 2019 13:40

Tgt Ion: 65 Resp: 209298

Ion Ratio Lower Upper

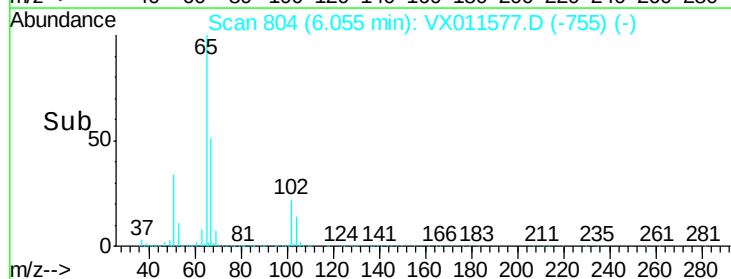
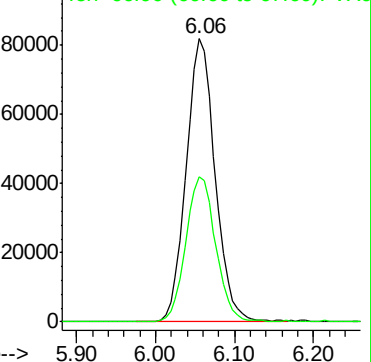
65 100

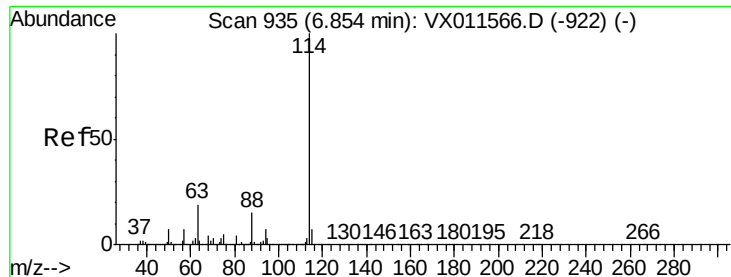
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819DL

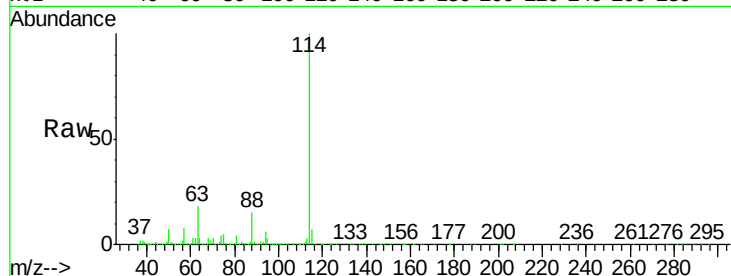
Tot Ion:114 Resp: 600646

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

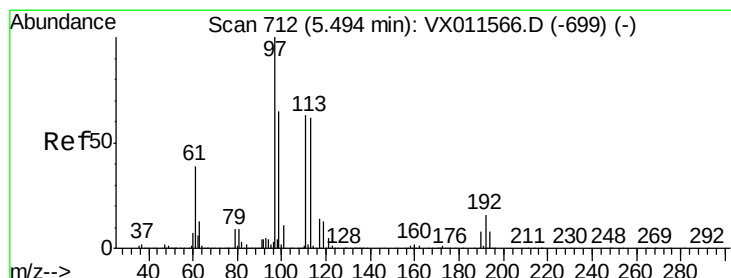
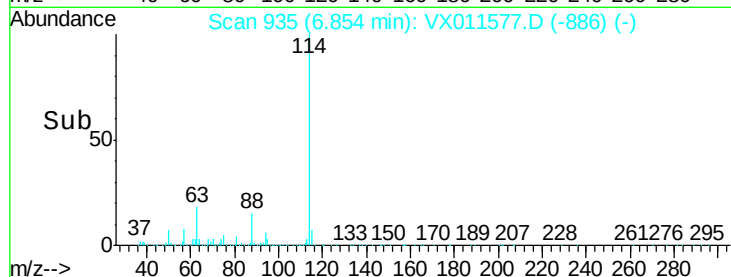
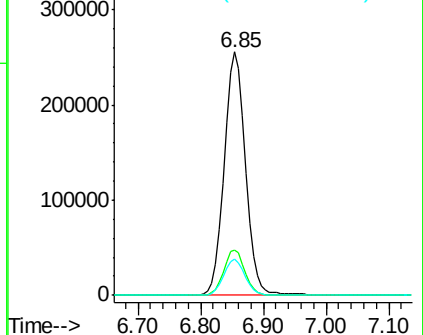
88 14.7 0.0 30.2



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: 46.738 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

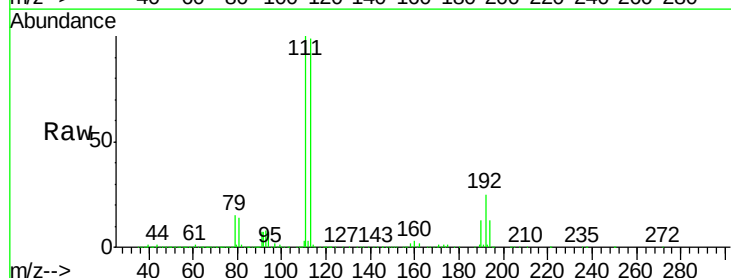
Tgt Ion:113 Resp: 183614

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

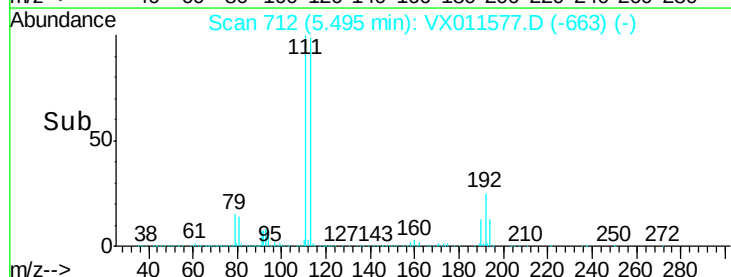
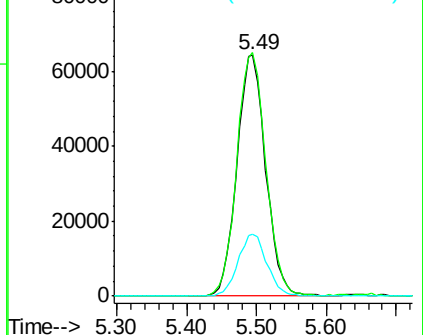
192 25.8 20.8 31.2

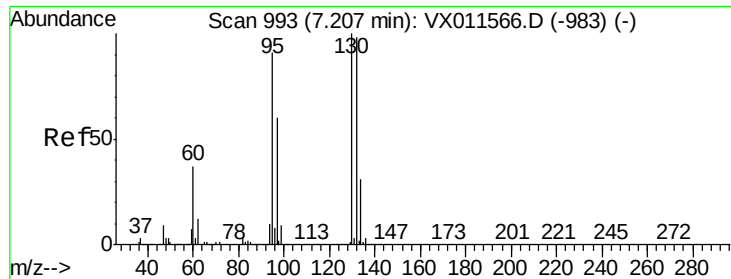


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 76.509 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

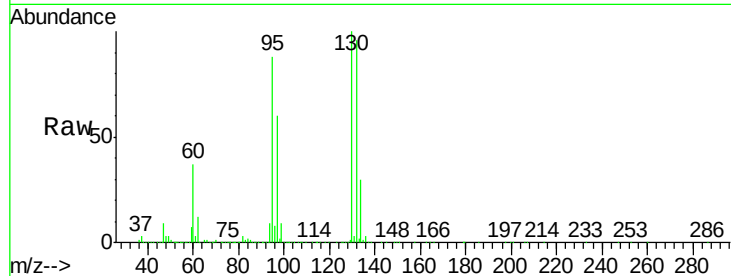
MW-20B_080819DL

Tot Ion:130 Resp: 362212

Ion Ratio Lower Upper

130 100

95 87.6 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

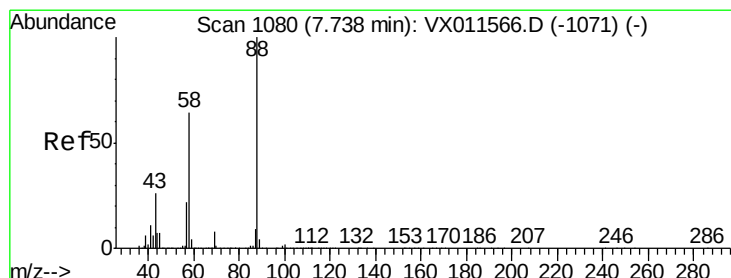
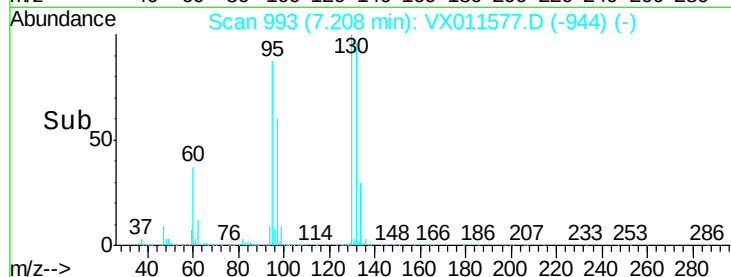
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 15.451 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

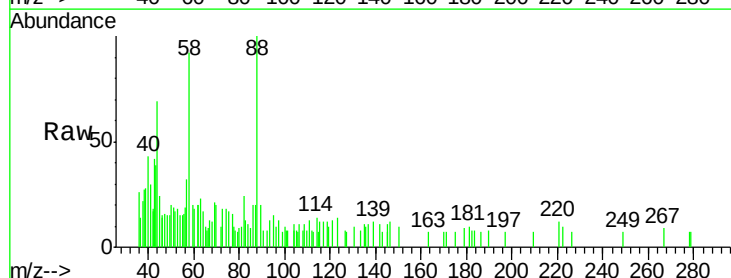
Tgt Ion: 88 Resp: 1876

Ion Ratio Lower Upper

88 100

43 40.6 23.4 35.0#

58 107.5 54.3 81.5#



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

7.74

1000

800

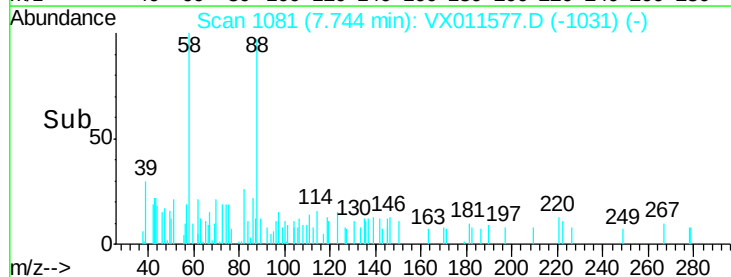
600

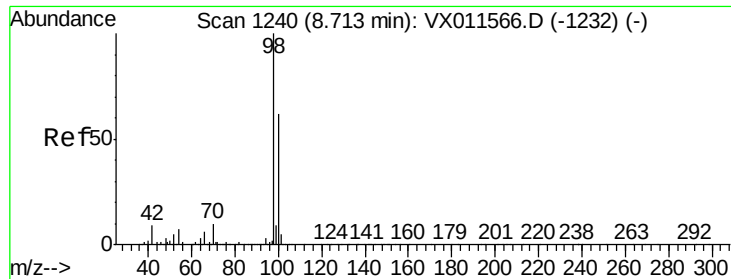
400

200

0

Time-->





#50

Toluene-d8

Concen: 55.966 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

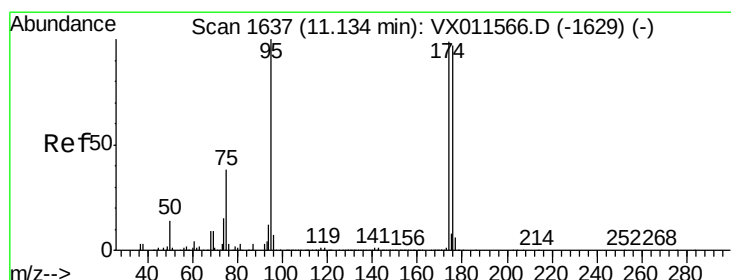
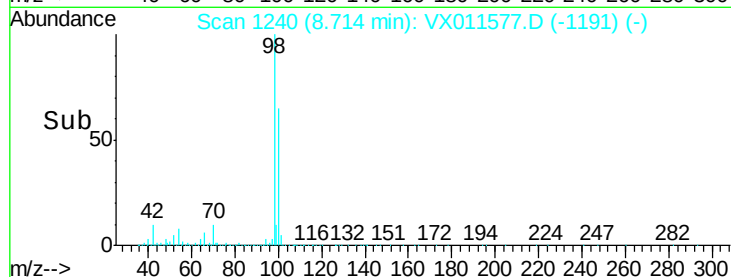
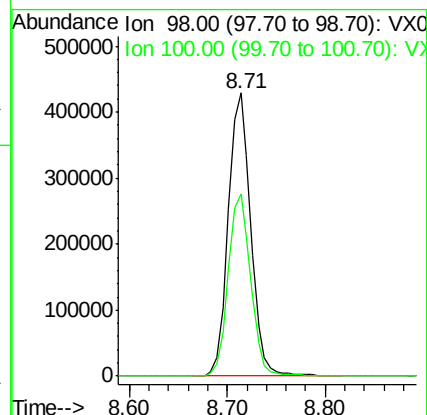
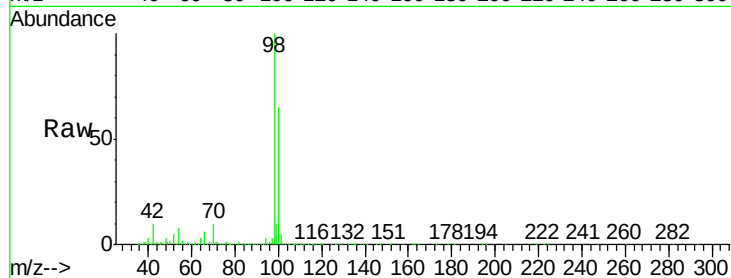
MW-20B_080819DL

Tot Ion: 98 Resp: 685085

Ion Ratio Lower Upper

98 100

100 64.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 45.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

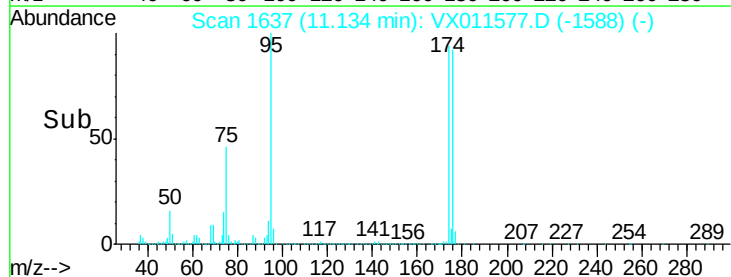
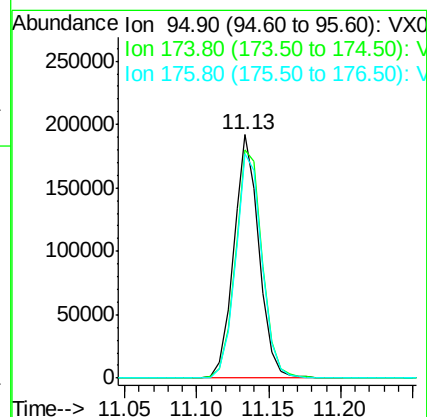
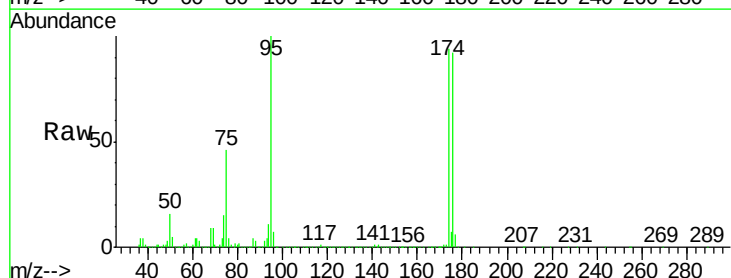
Tgt Ion: 95 Resp: 234189

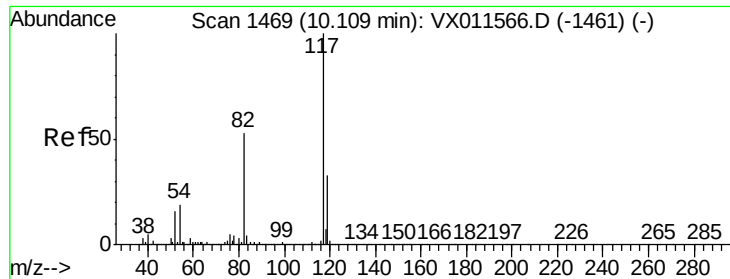
Ion Ratio Lower Upper

95 100

174 99.8 0.0 200.6

176 97.0 0.0 196.6

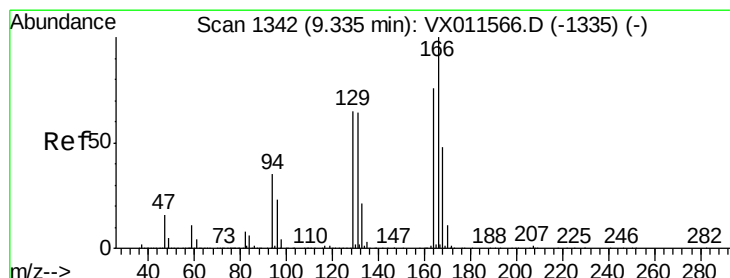
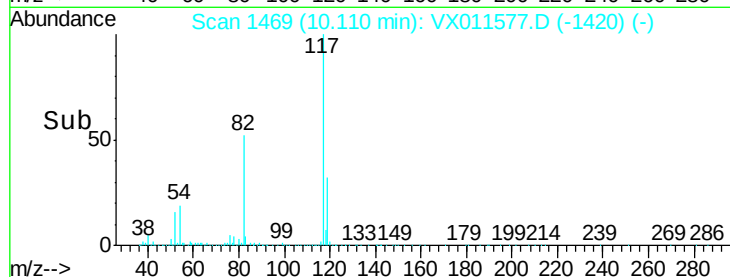
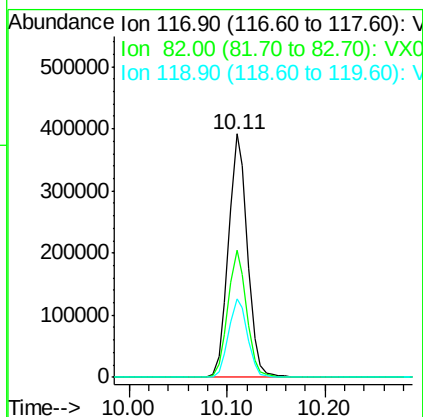
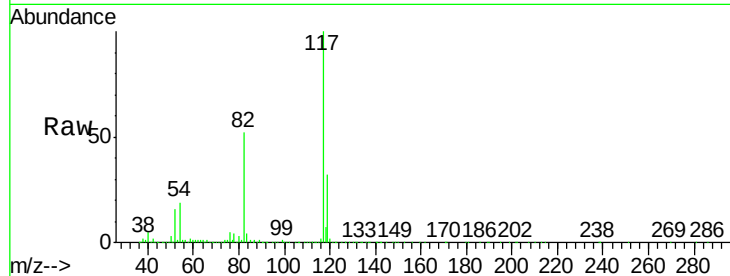




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011577.D
Acq: 16 Aug 2019 13:40

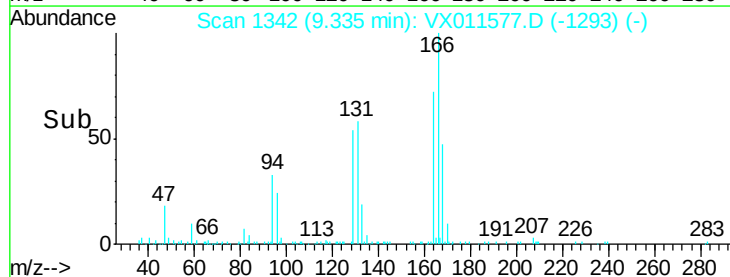
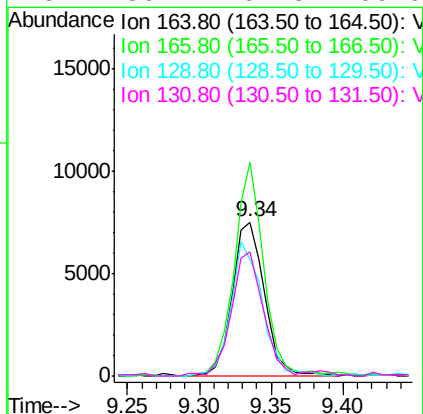
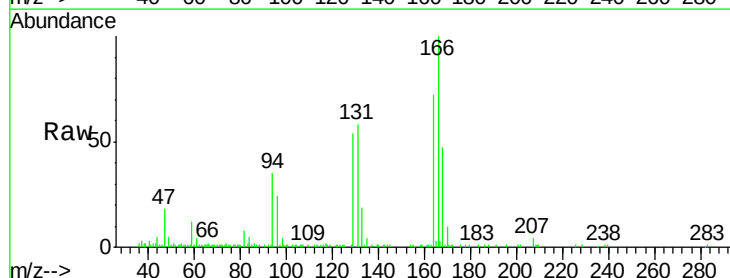
Instrument :
MSVOA_X
ClientSampleId :
MW-20B_080819DL

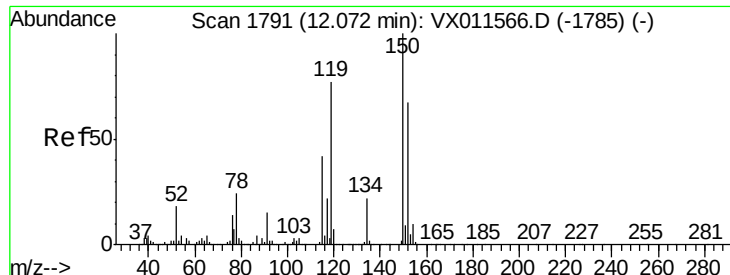
Tot Ion:117 Resp: 528665
Ion Ratio Lower Upper
117 100
82 52.0 42.0 63.0
119 32.5 26.5 39.7



#64
Tetrachloroethene
Concen: 2.702 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011577.D
Acq: 16 Aug 2019 13:40

Tgt Ion:164 Resp: 11722
Ion Ratio Lower Upper
164 100
166 139.0 104.7 157.1
129 75.6 68.2 102.4
131 80.4 67.3 100.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011577.D

Acq: 16 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

MW-20B_080819DL

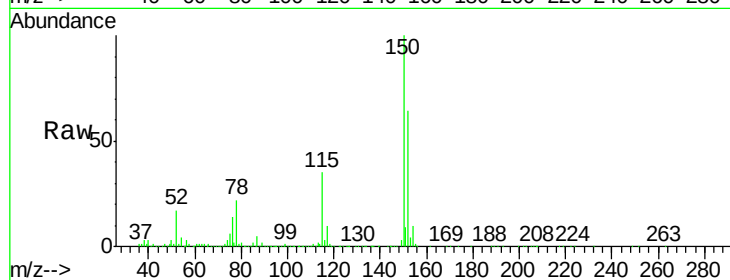
Tot Ion:152 Resp: 256182

Ion Ratio Lower Upper

152 100

115 53.3 37.3 111.9

150 156.1 0.0 346.2



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

400000

300000

200000

100000

0

12.00

12.10

12.20

12.07

Time-->

