

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006580.D
 Acq On : 17 Dec 2018 18:32
 Operator : JC/MD
 Sample : J6408-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ181I-20181208

Quant Time: Dec 18 00:41:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

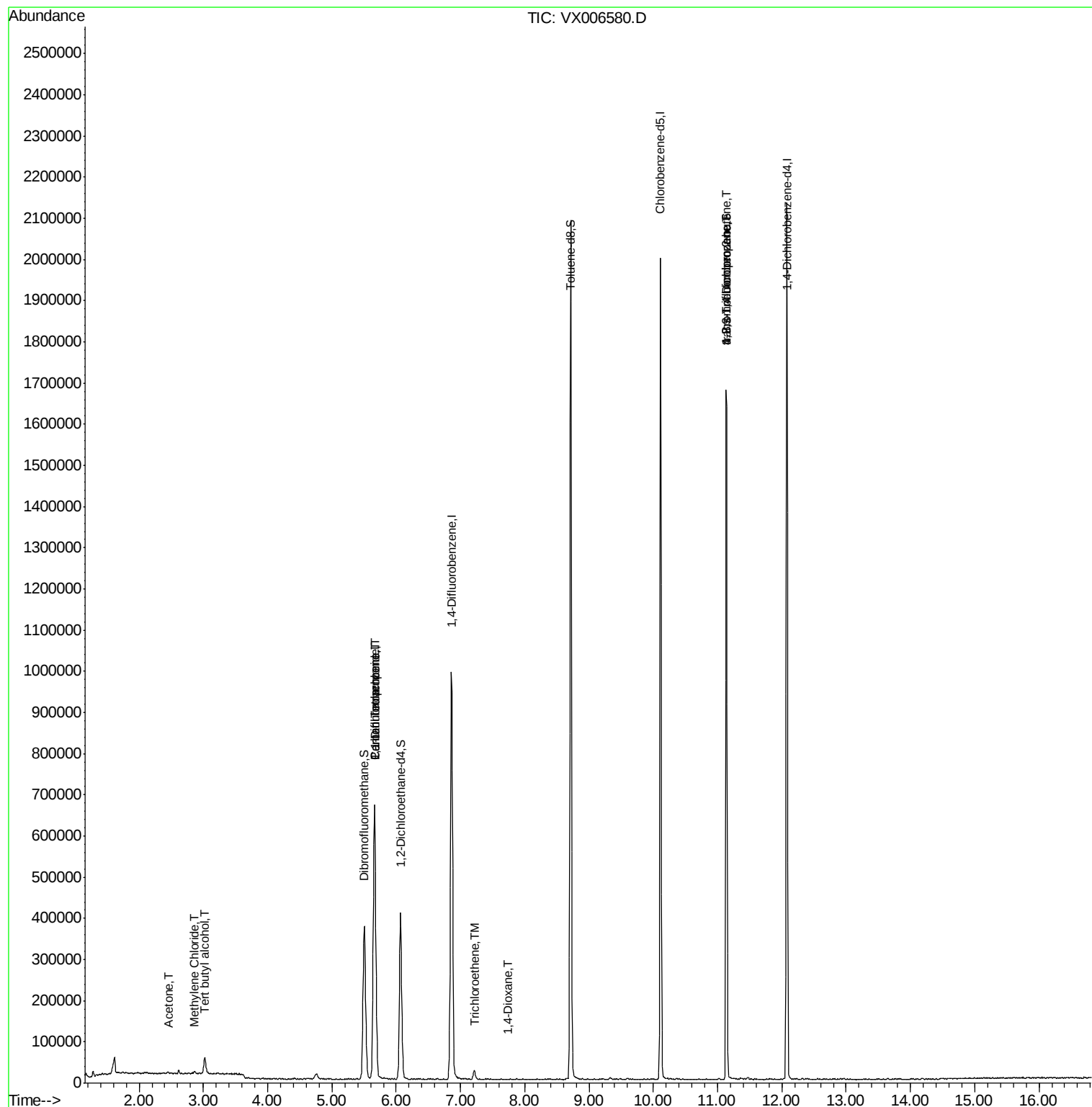
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	671510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1070186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	977893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	459840	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	372368	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	5.51	113	319066	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	
50) Toluene-d8	8.71	98	1291118	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.13	95	469415	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.02	59	24462	13.048	ug/l #	80
16) Acetone	2.45	43	5057	1.572	ug/l #	88
20) Methylene Chloride	2.86	84	2968	0.433	ug/l #	79
36) 1,1-Dichloropropene	5.67	75	46768	5.189	ug/l #	49
38) Carbon Tetrachloride	5.66	117	62584	5.903	ug/l #	16
44) Trichloroethene	7.21	130	9300	1.137	ug/l	100
49) 1,4-Dioxane	7.75	88	320	1.586	ug/l #	81
76) 1,2,3-Trichloropropane	11.13	75	216708	24.416	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	216708	57.298	ug/l #	15

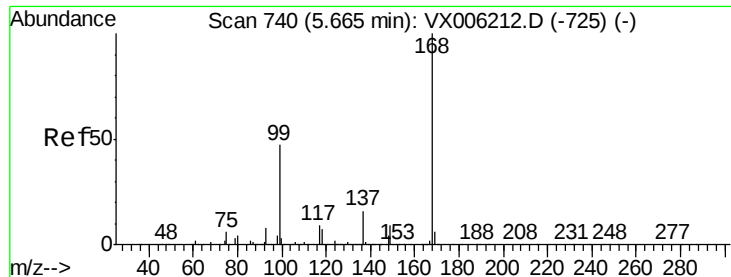
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

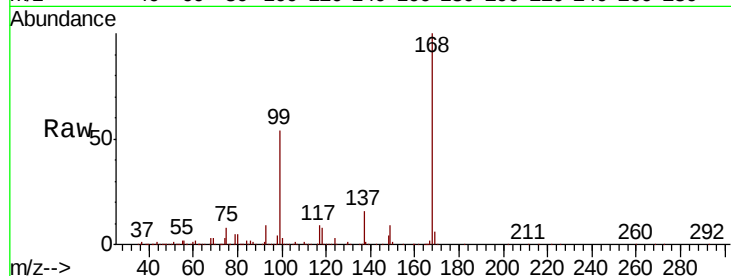
SA.PZ181I-20181208

Tot Ion:168 Resp: 671510

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

250000

200000

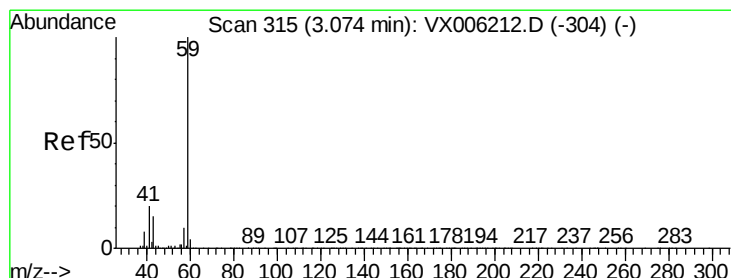
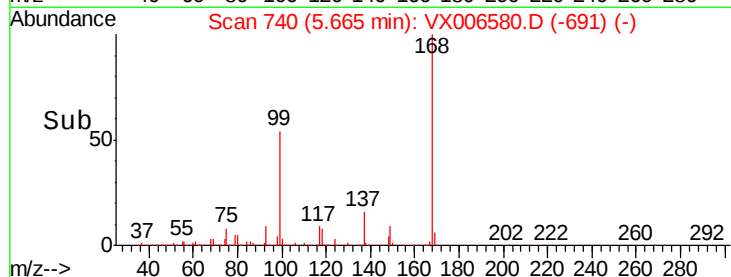
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 13.048 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006580.D

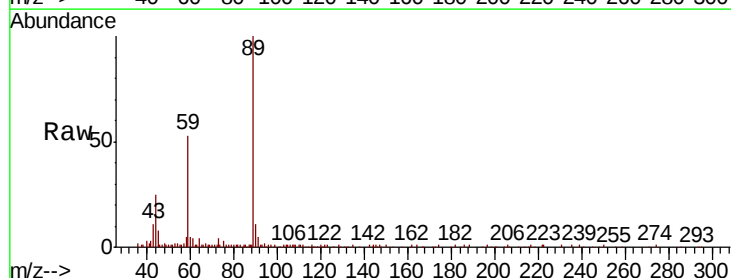
Acq: 17 Dec 2018 18:32

Tgt Ion: 59 Resp: 24462

Ion Ratio Lower Upper

59 100

57 2.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

10000

8000

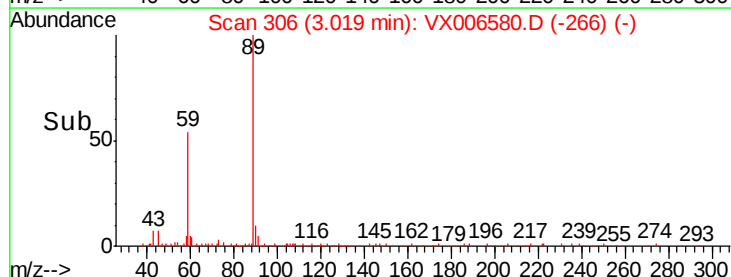
6000

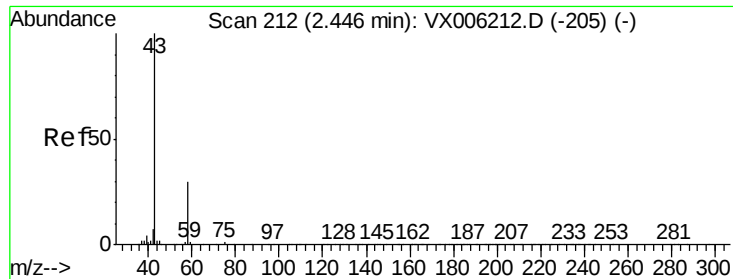
4000

2000

0

Time--> 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 1.572 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

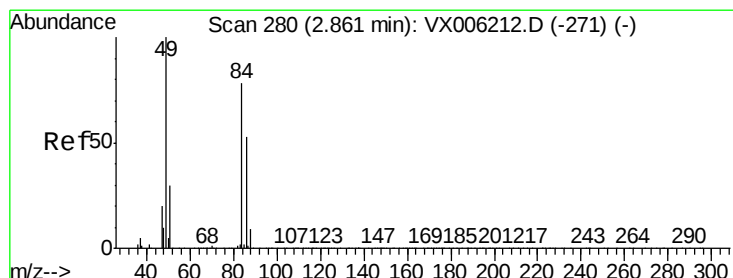
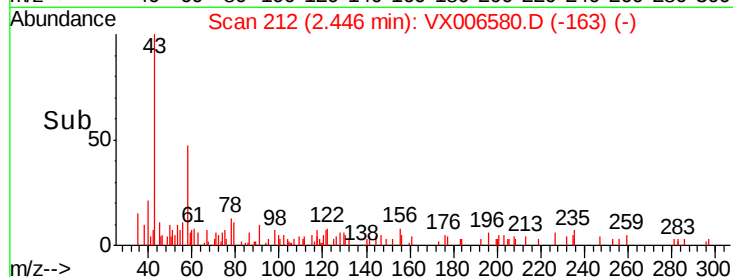
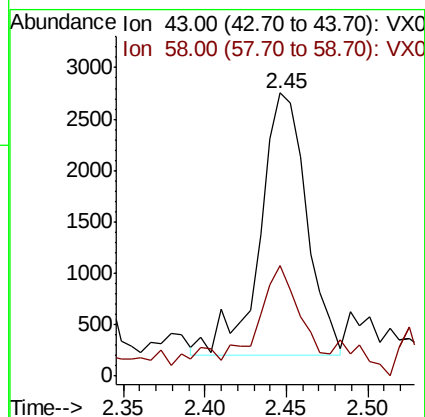
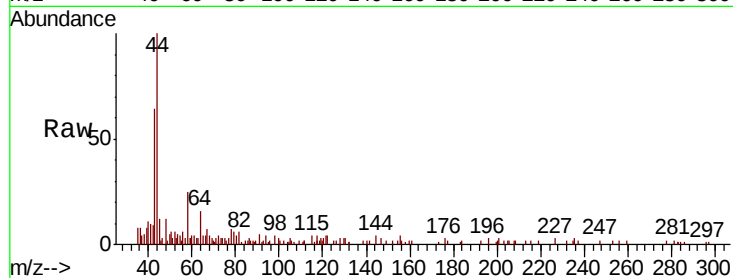
SA.PZ181I-20181208

Tot Ion: 43 Resp: 5057

Ion Ratio Lower Upper

43 100

58 36.7 24.0 36.0#



#20

Methylene Chloride

Concen: 0.433 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Tgt Ion: 84 Resp: 2968

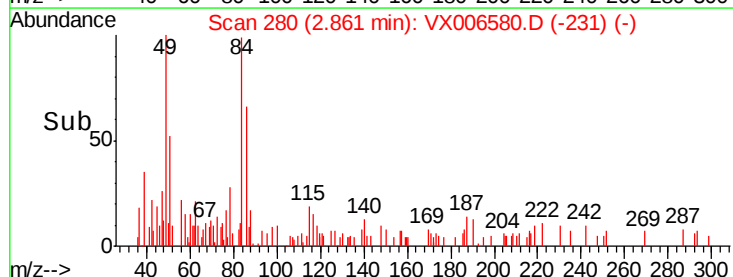
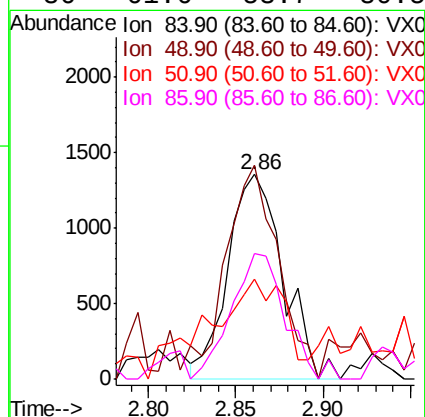
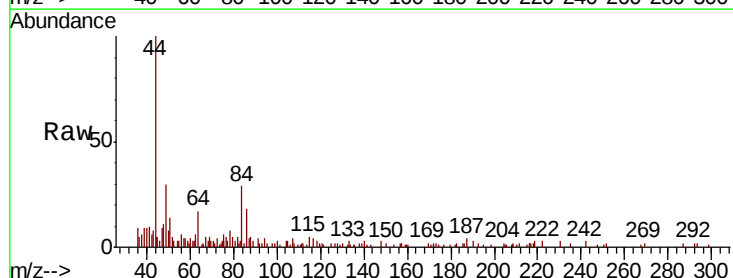
Ion Ratio Lower Upper

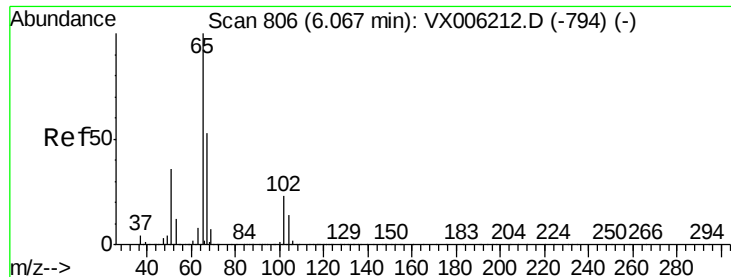
84 100

49 89.0 102.2 153.4#

51 36.6 31.1 46.7

86 61.6 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 54.320 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

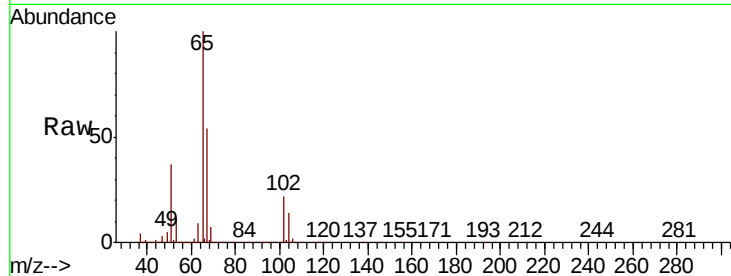
SA.PZ181I-20181208

Tot Ion: 65 Resp: 372368

Ion Ratio Lower Upper

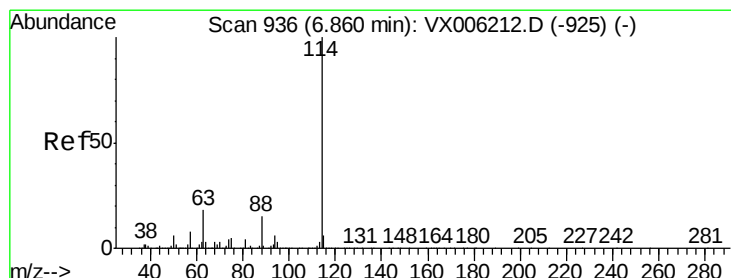
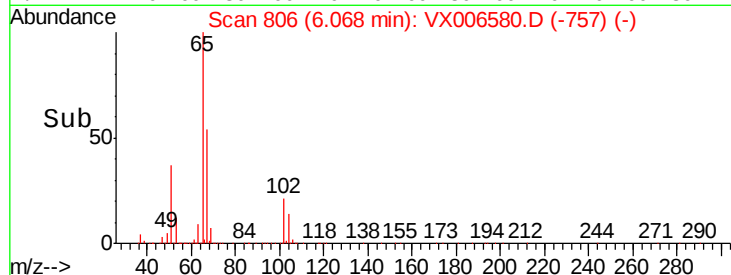
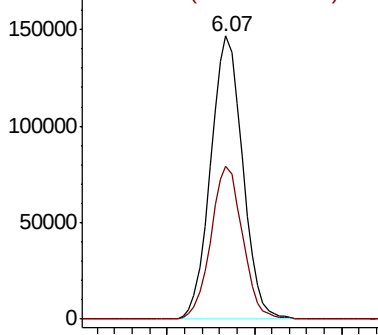
65 100

67 53.9 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

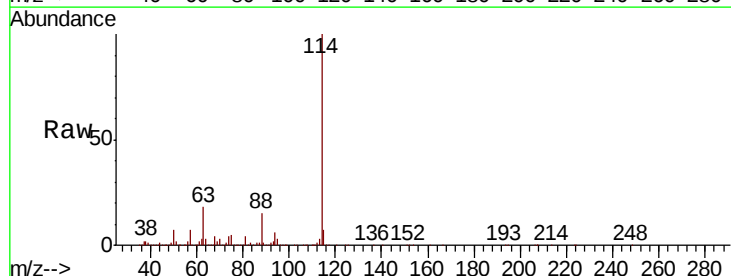
Tgt Ion: 114 Resp: 1070186

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

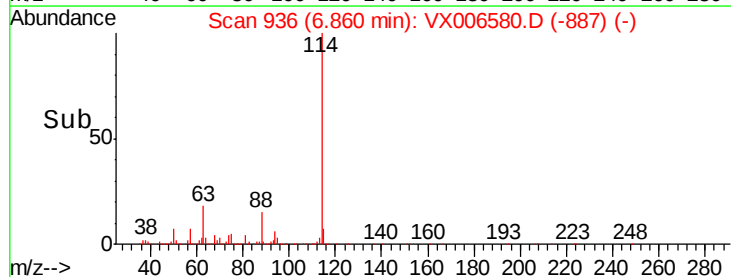
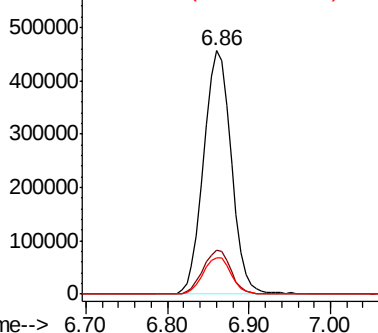
88 14.7 0.0 29.0

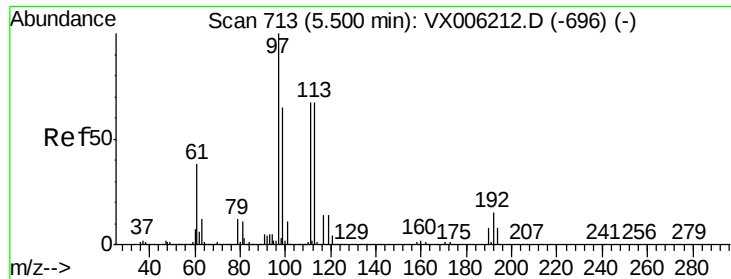


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.048 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ181I-20181208

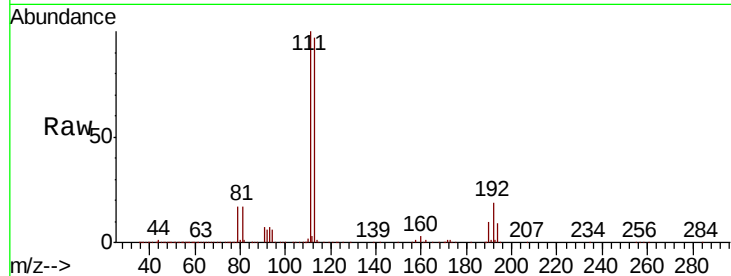
Tot Ion:113 Resp: 319066

Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

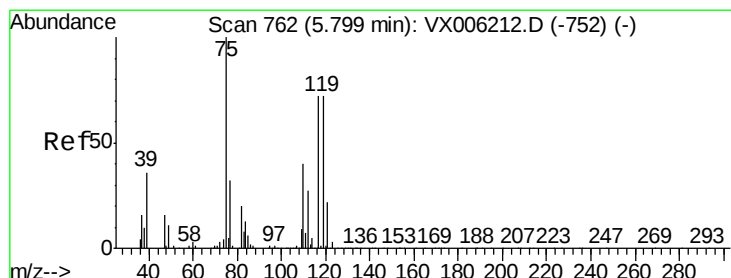
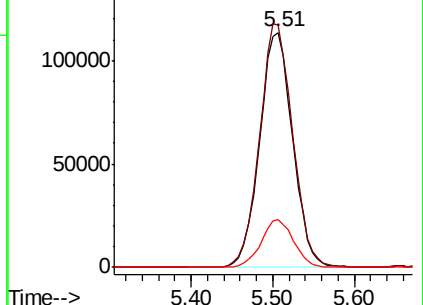
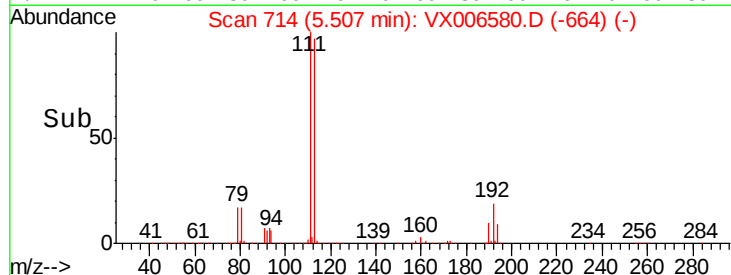
192 20.2 18.2 27.2



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: 5.189 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

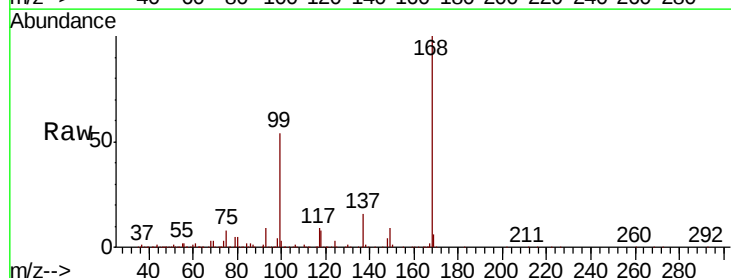
Tgt Ion: 75 Resp: 46768

Ion Ratio Lower Upper

75 100

110 10.9 20.4 61.3#

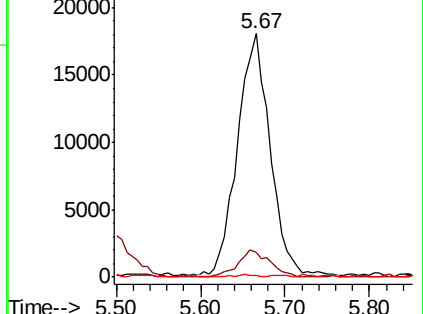
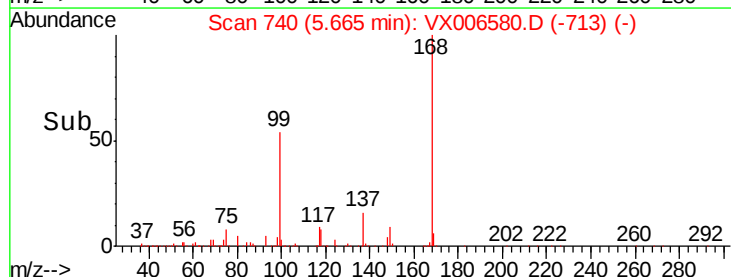
77 0.6 24.9 37.3#

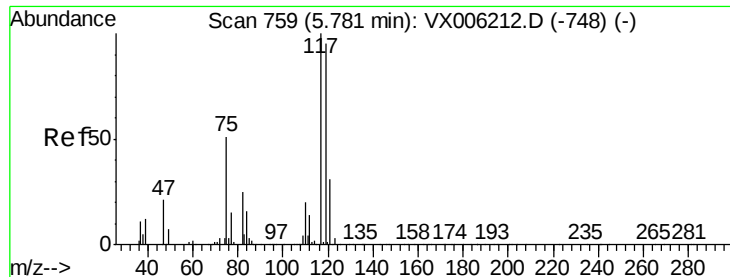


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ181I-20181208

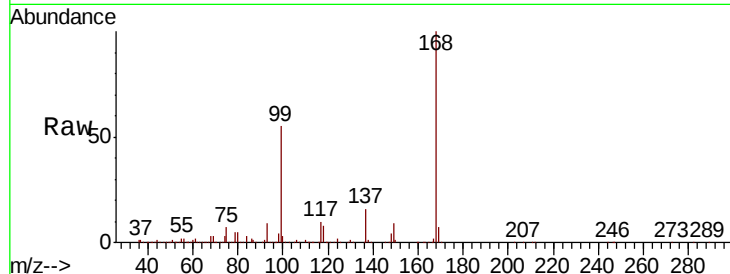
Tot Ion:117 Resp: 62584

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

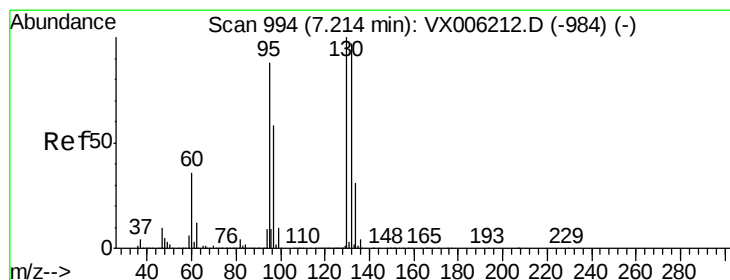
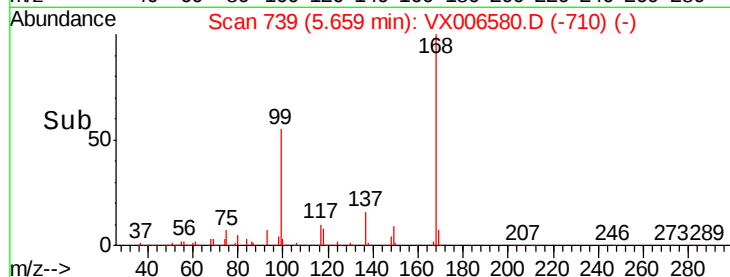
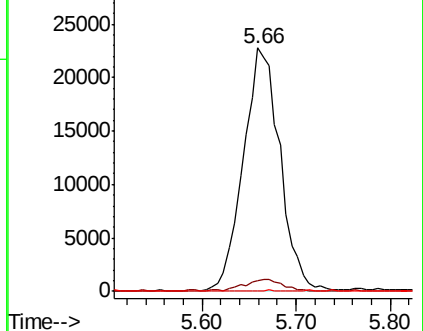
121 0.4 24.6 37.0#



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



#44

Trichloroethene

Concen: 1.137 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006580.D

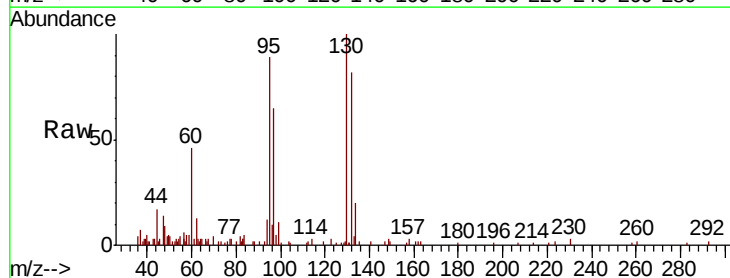
Acq: 17 Dec 2018 18:32

Tgt Ion:130 Resp: 9300

Ion Ratio Lower Upper

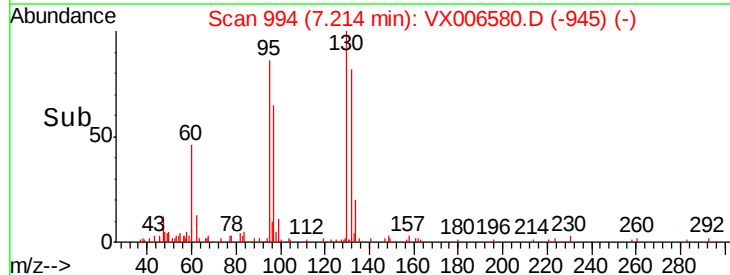
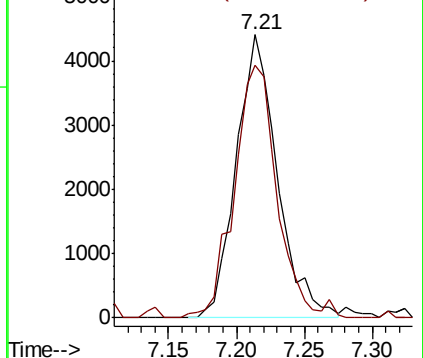
130 100

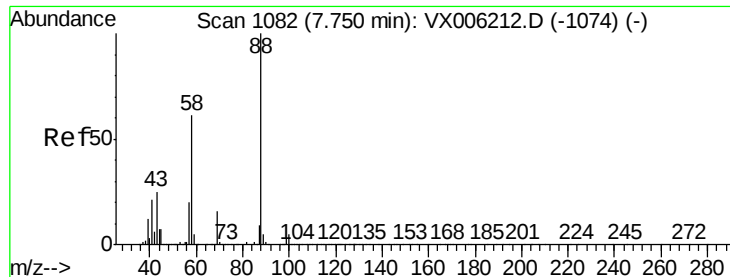
95 88.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.586 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

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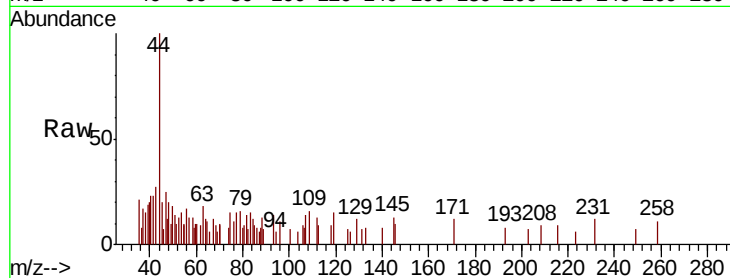
Tot Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

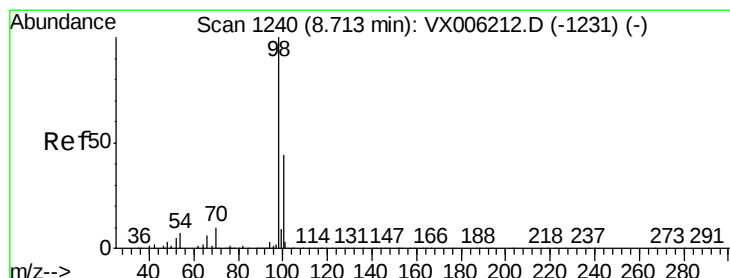
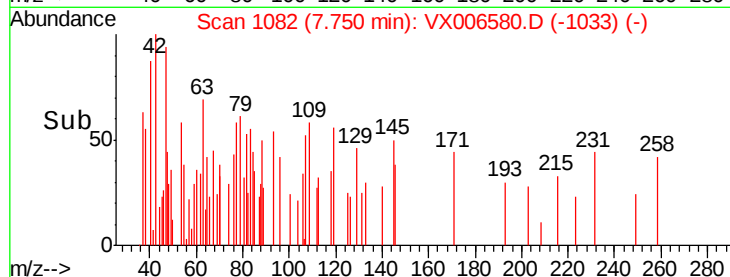
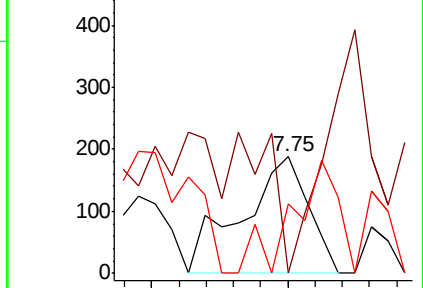
58 66.6 51.4 77.0



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: 51.227 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006580.D

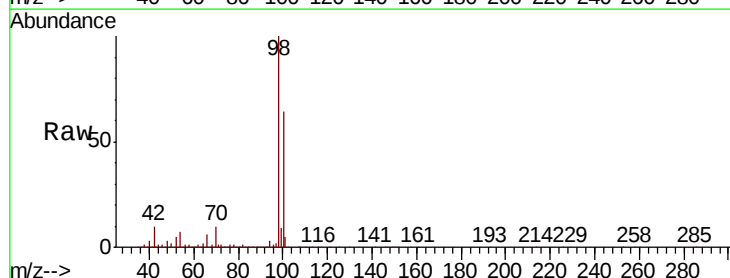
Acq: 17 Dec 2018 18:32

Tgt Ion: 98 Resp: 1291118

Ion Ratio Lower Upper

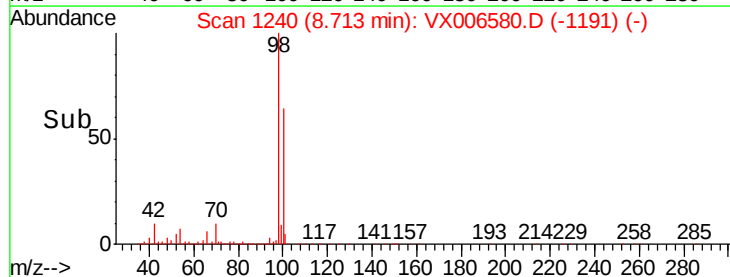
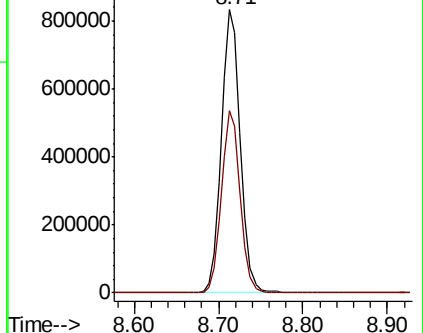
98 100

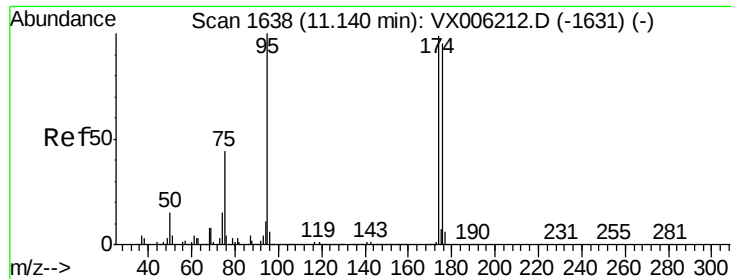
100 63.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

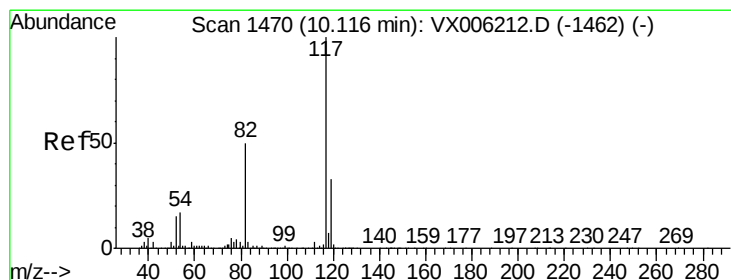
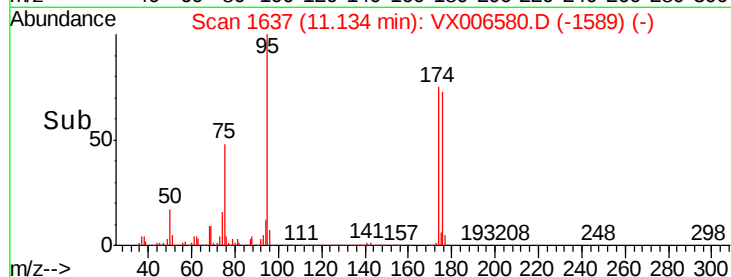
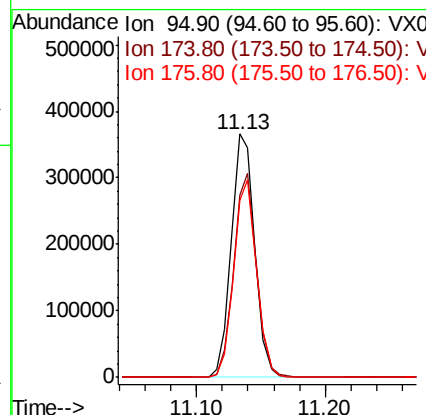
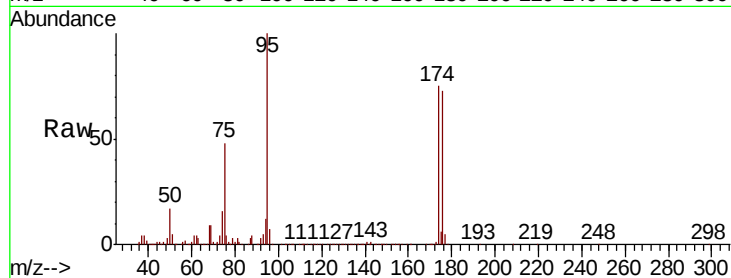




#62
4-Bromofluorobenzene
Concen: 49.425 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX006580.D
Acq: 17 Dec 2018 18:32

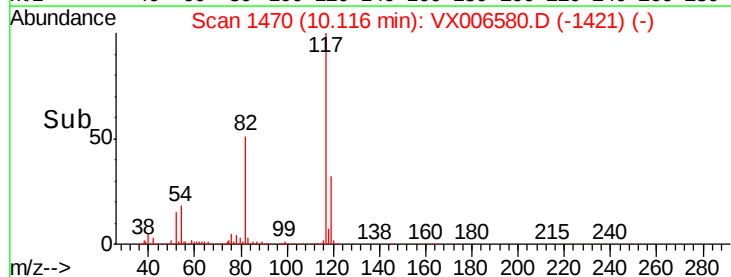
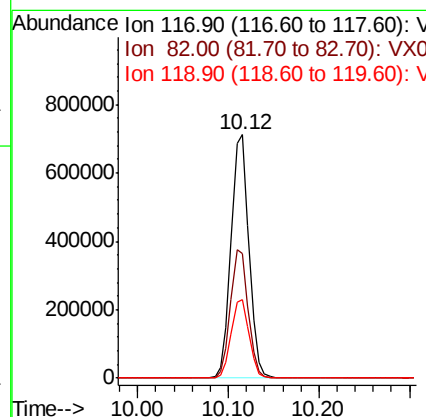
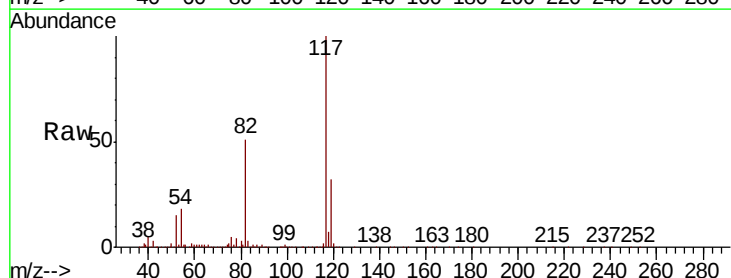
Instrument :
MSVOA_X
ClientSampleId :
SA.PZ181I-20181208

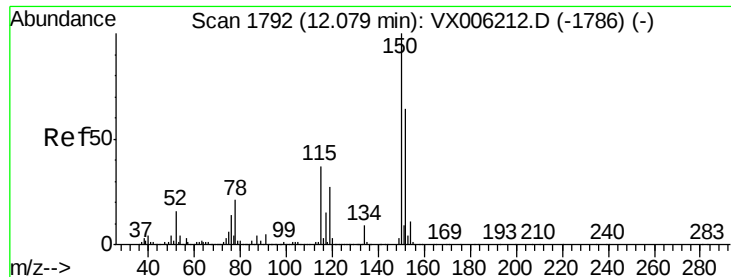
Tot Ion: 95 Resp: 469415
Ion Ratio Lower Upper
95 100
174 81.2 0.0 187.0
176 78.8 0.0 181.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006580.D
Acq: 17 Dec 2018 18:32

Tgt Ion: 117 Resp: 977893
Ion Ratio Lower Upper
117 100
82 51.0 39.6 59.4
119 32.4 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: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ181I-20181208

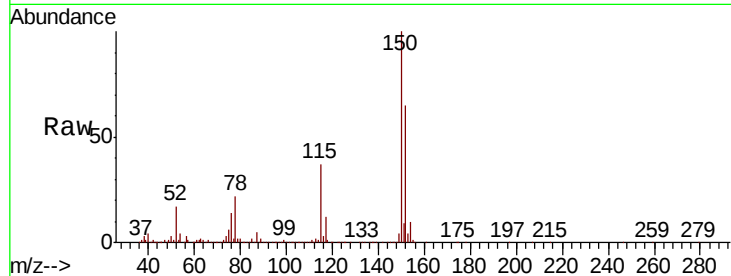
Tot Ion:152 Resp: 459840

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

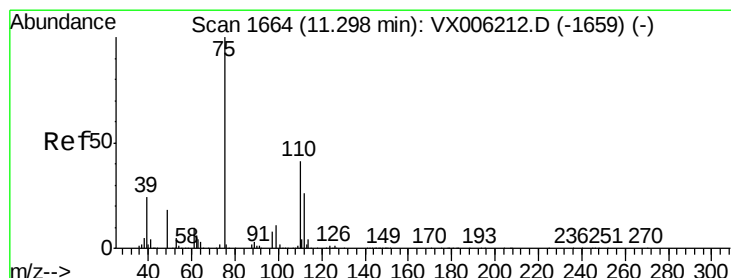
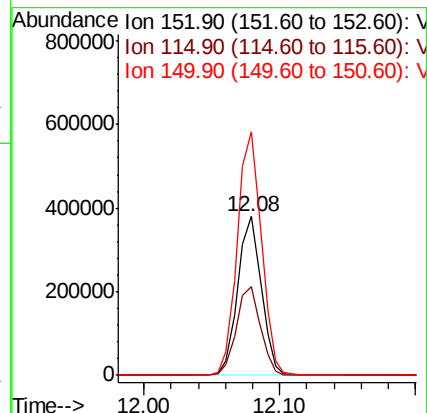
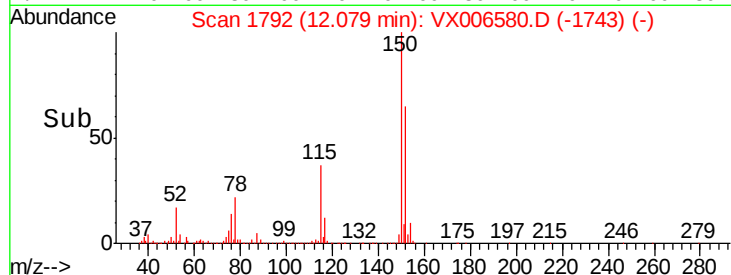
150 156.9 0.0 345.8



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: 24.416 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006580.D

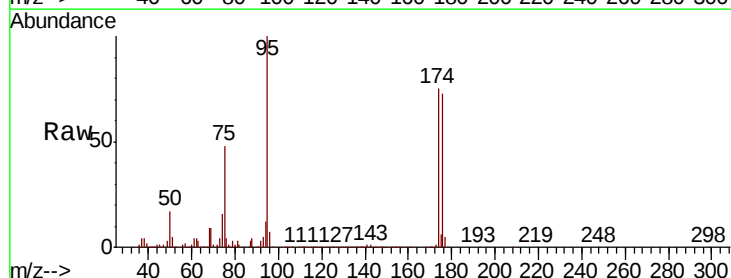
Acq: 17 Dec 2018 18:32

Tgt Ion: 75 Resp: 216708

Ion Ratio Lower Upper

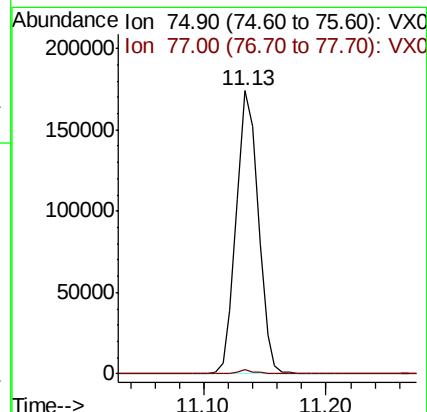
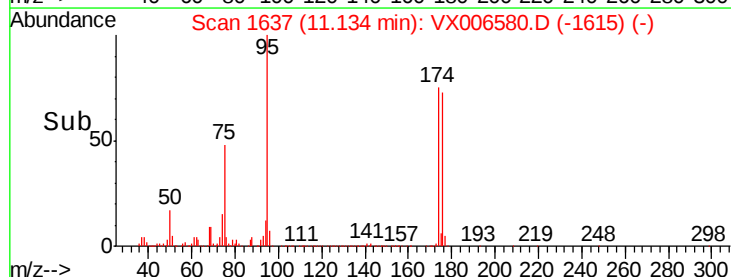
75 100

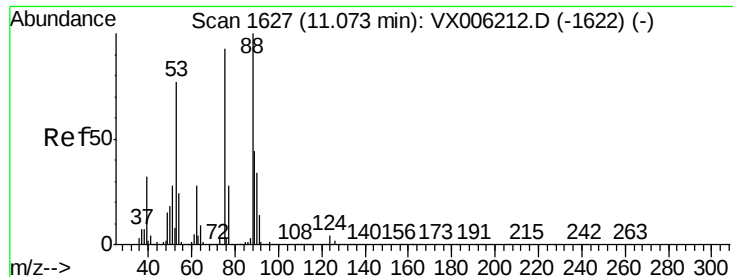
77 1.2 19.9 59.7#



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: 57.298 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006580.D

Acq: 17 Dec 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ181I-20181208

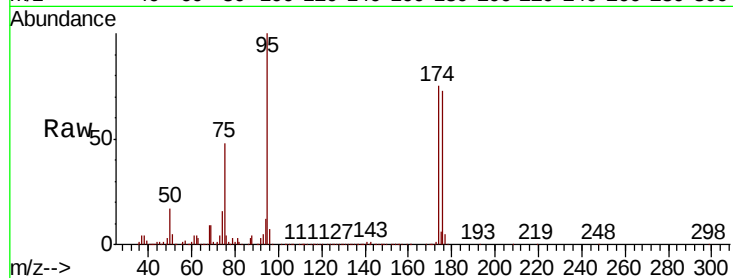
Tot Ion: 75 Resp: 216708

Ion Ratio Lower Upper

75 100

53 0.1 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

