

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010219\
 Data File : VX006881.D
 Acq On : 02 Jan 2019 15:12
 Operator : JC/MD
 Sample : K1018-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-D11-12

Quant Time: Jan 03 00:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	723220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1061129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	972687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	489729	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	361480	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
35) Dibromofluoromethane	5.51	113	317552	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	1262763	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	448327	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

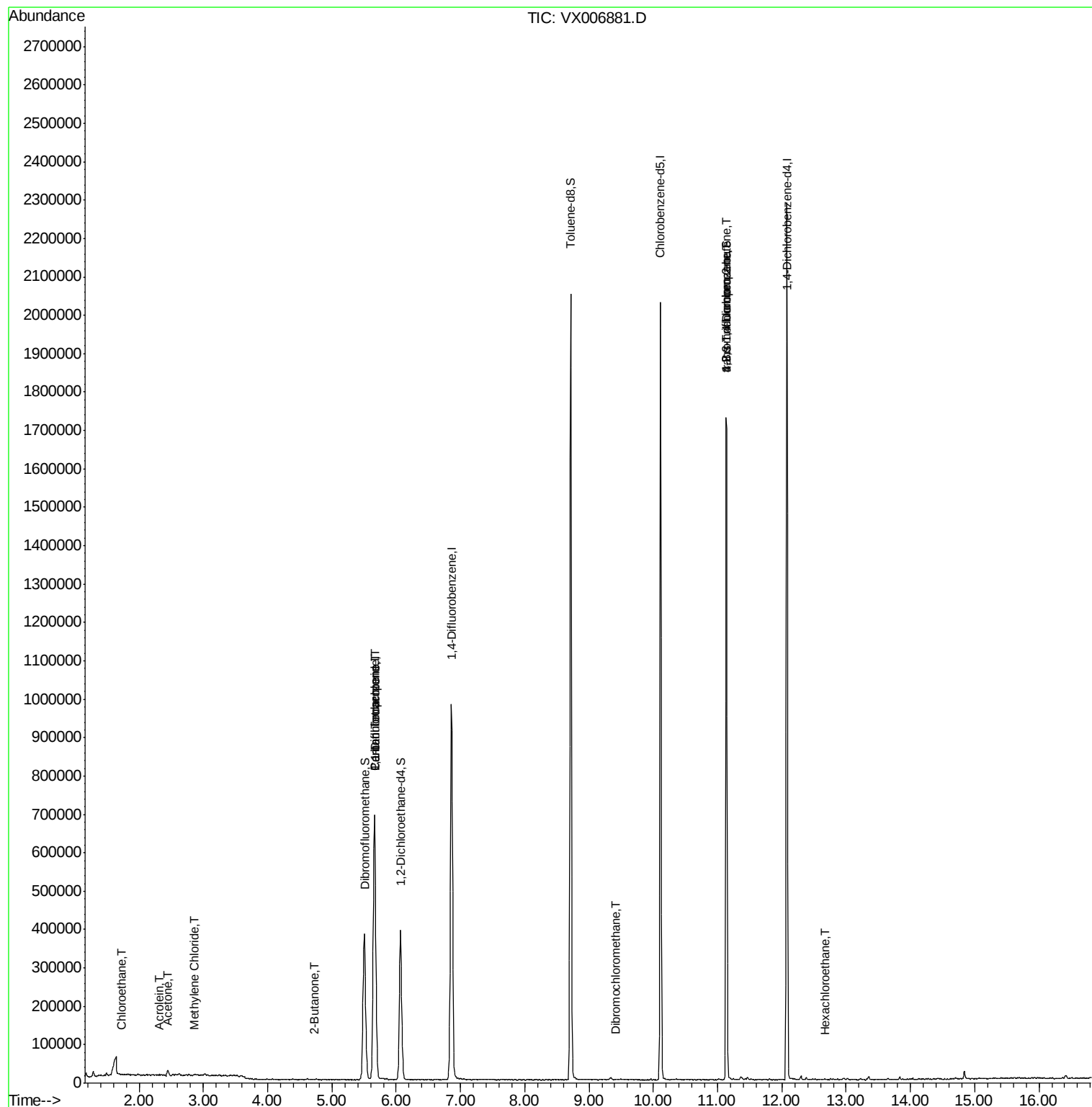
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1736	Below Cal		91
6) Chloroethane	1.71	64	1716	0.333	ug/l #	64
13) Acrolein	2.32	56	503	0.429	ug/l #	13
16) Acetone	2.45	43	14362	4.011	ug/l #	88
20) Methylene Chloride	2.86	84	2077	0.280	ug/l #	68
25) 2-Butanone	4.71	43	2875	0.571	ug/l #	76
28) Bromochloromethane	5.03	49	458	Below Cal	#	34
36) 1,1-Dichloropropene	5.67	75	45480	5.175	ug/l #	49
38) Carbon Tetrachloride	5.67	117	62635	7.333	ug/l #	14
49) 1,4-Dioxane	7.76	88	102	Below Cal	#	1
60) Dibromochloromethane	9.42	129	65	2.333	ug/l	82
76) 1,2,3-Trichloropropane	11.13	75	214372	23.554	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	214372	69.847	ug/l #	10
90) Hexachloroethane	12.68	117	228	3.339	ug/l #	6

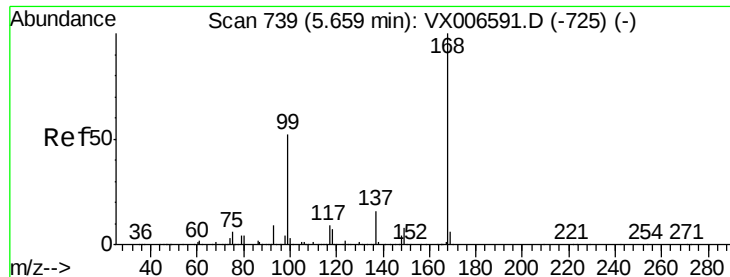
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010219\
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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: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

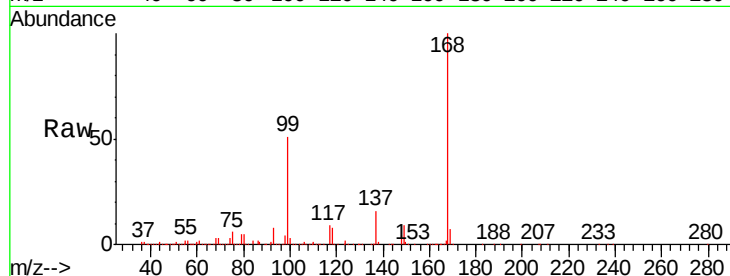
TEST-PIT-D11-12

Tgt Ion:168 Resp: 723220

Ion Ratio Lower Upper

168 100

99 50.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006591.D (-725) (-)

Ion 98.90 (98.60 to 99.60): VX006591.D (-725) (-)

5.67

250000

200000

150000

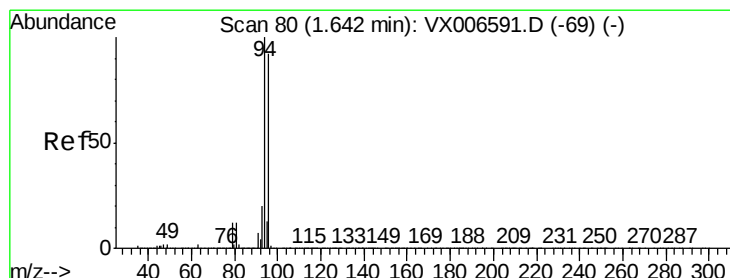
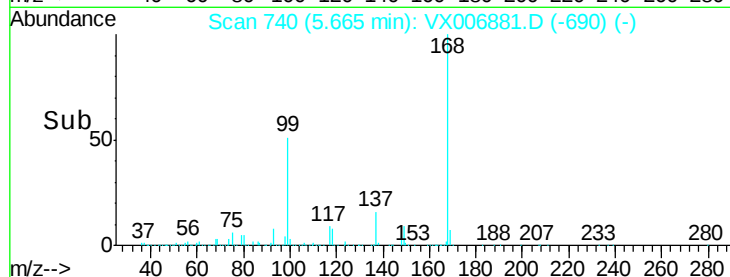
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006881.D

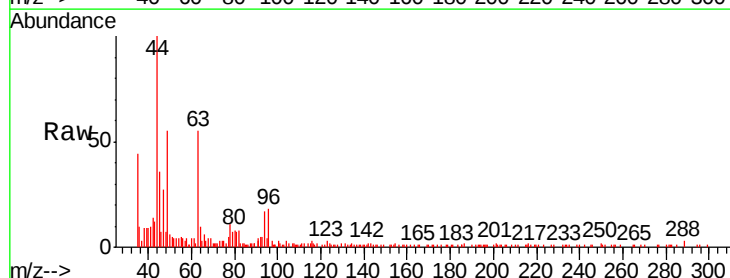
Acq: 02 Jan 2019 15:12

Tgt Ion: 94 Resp: 1736

Ion Ratio Lower Upper

94 100

96 100.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX006591.D (-69) (-)

Ion 95.90 (95.60 to 96.60): VX006591.D (-69) (-)

1.64

1500

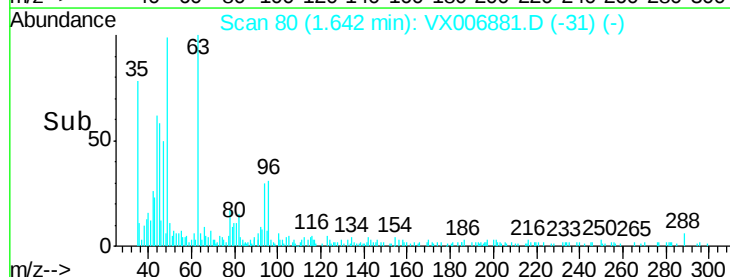
1000

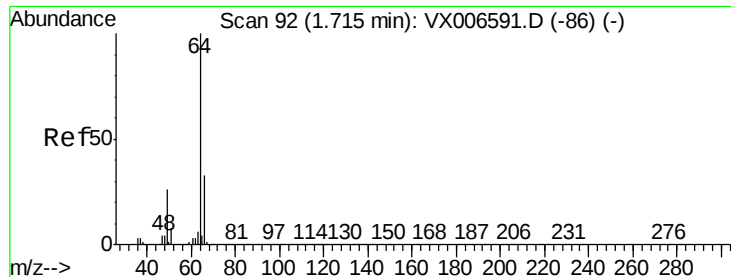
500

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.333 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

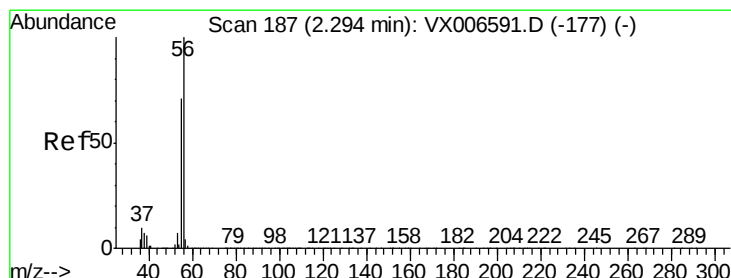
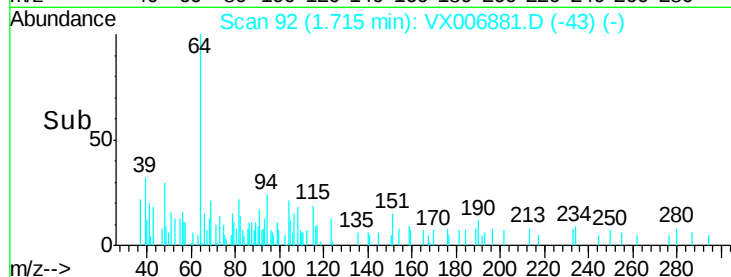
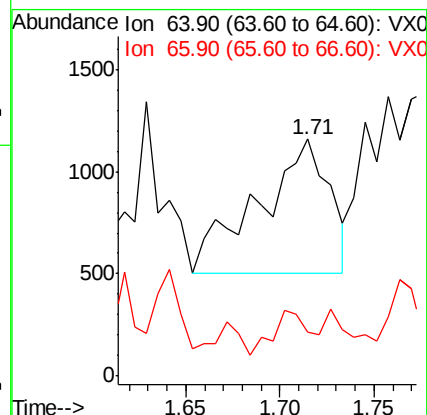
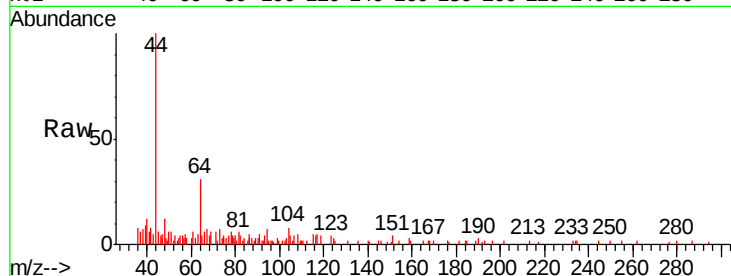
TEST-PIT-D11-12

Tgt Ion: 64 Resp: 1716

Ion Ratio Lower Upper

64 100

66 12.6 26.4 39.6#



#13

Acrolein

Concen: 0.429 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX006881.D

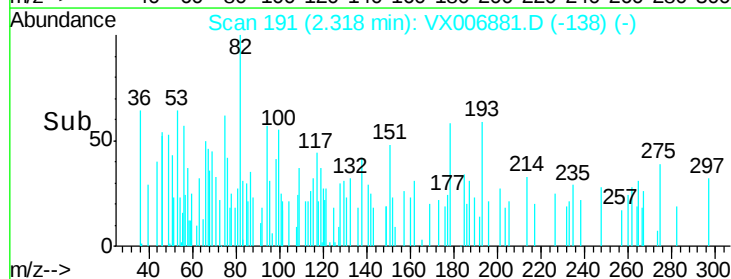
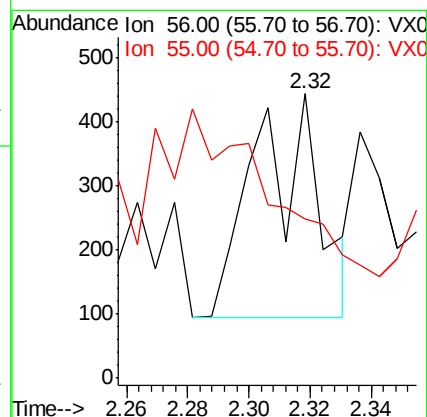
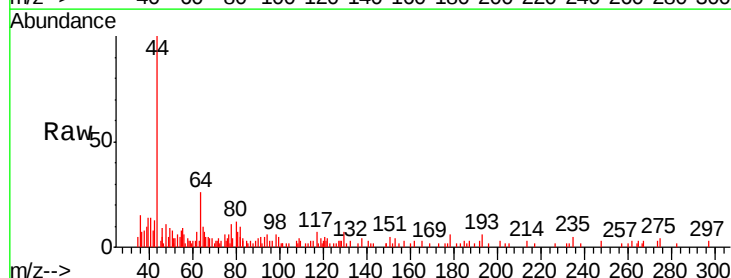
Acq: 02 Jan 2019 15:12

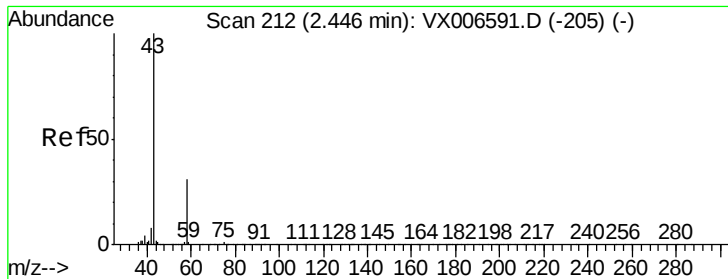
Tgt Ion: 56 Resp: 503

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#

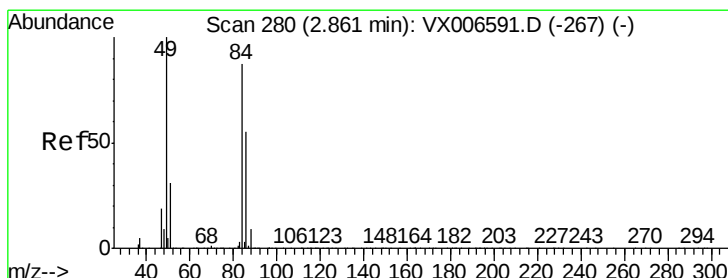
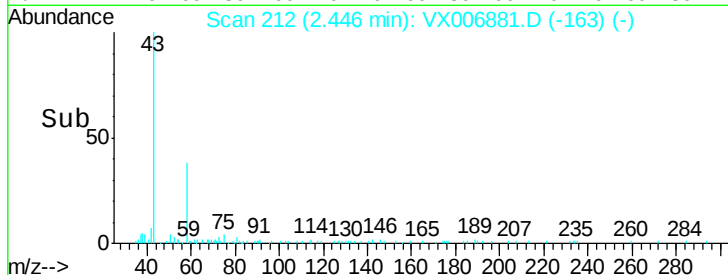
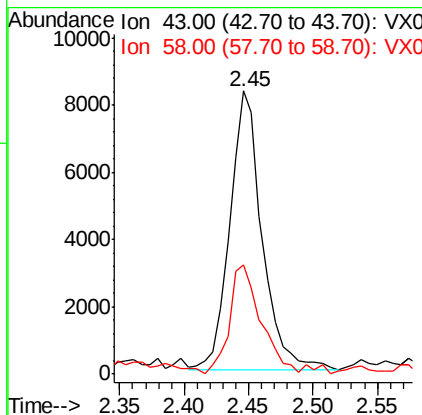
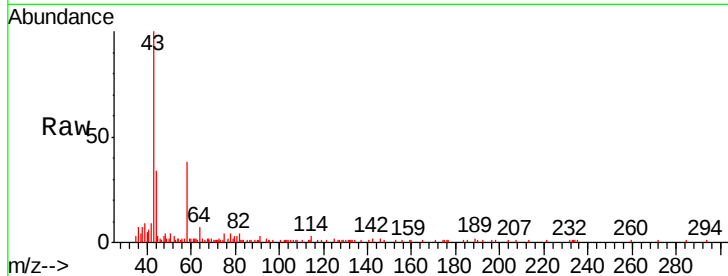




#16
Acetone
Concen: 4.011 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006881.D
Acq: 02 Jan 2019 15:12

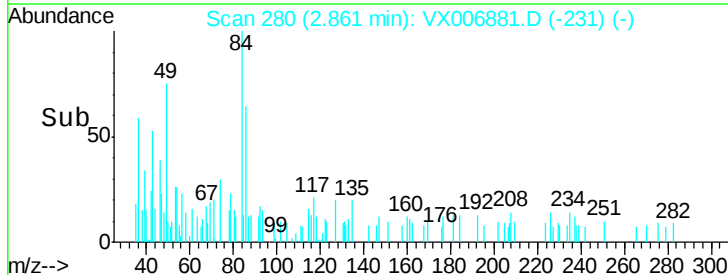
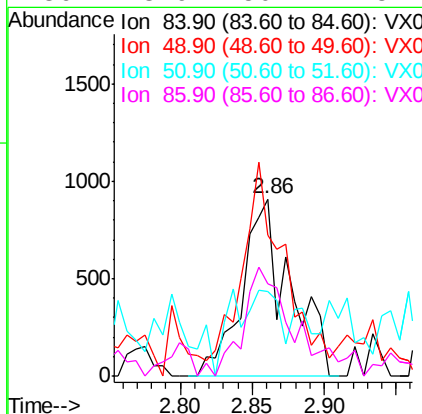
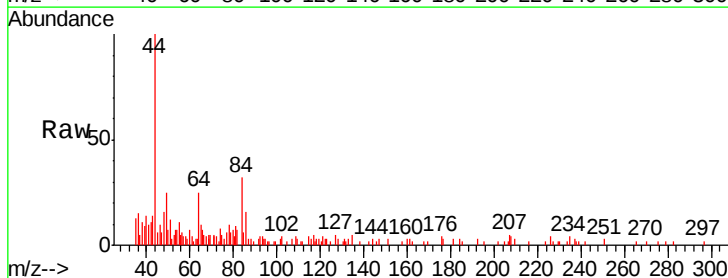
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-D11-12

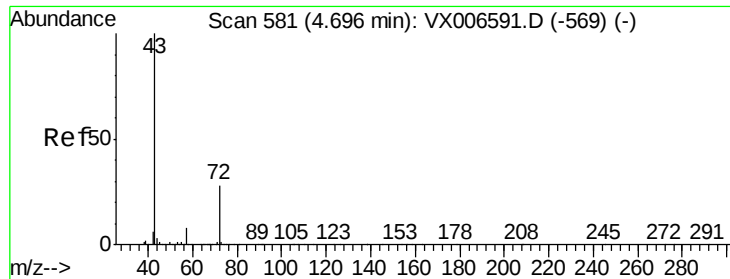
Tgt Ion: 43 Resp: 14362
Ion Ratio Lower Upper
43 100
58 37.9 25.0 37.6#



#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006881.D
Acq: 02 Jan 2019 15:12

Tgt Ion: 84 Resp: 2077
Ion Ratio Lower Upper
84 100
49 67.4 91.8 137.6#
51 30.7 28.5 42.7
86 43.9 50.2 75.2#





#25

2-Butanone

Concen: 0.571 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

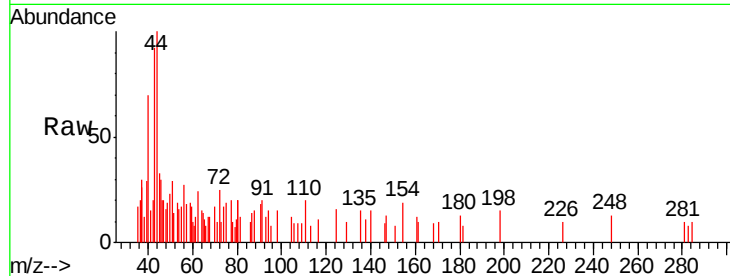
TEST-PIT-D11-12

Tgt Ion: 43 Resp: 2875

Ion Ratio Lower Upper

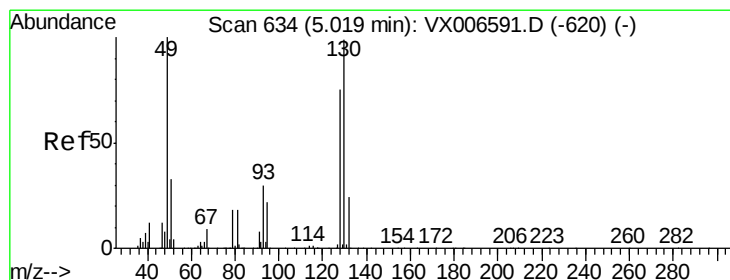
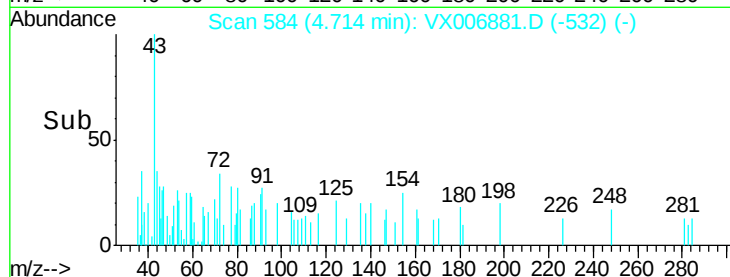
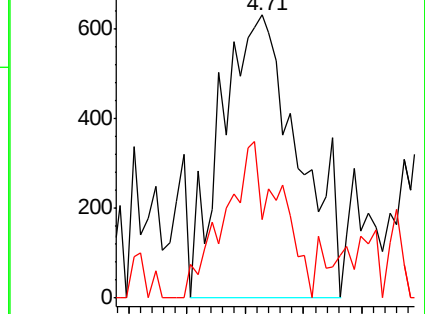
43 100

72 15.6 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

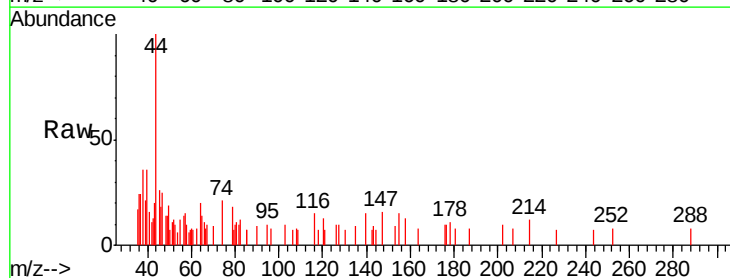
Tgt Ion: 49 Resp: 458

Ion Ratio Lower Upper

49 100

129 4.6 0.0 5.4

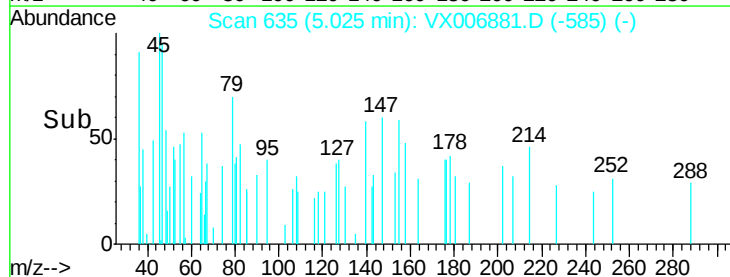
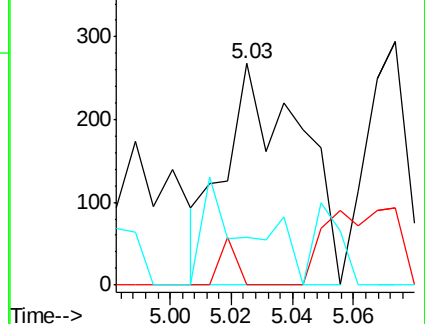
130 30.3 77.7 116.5#

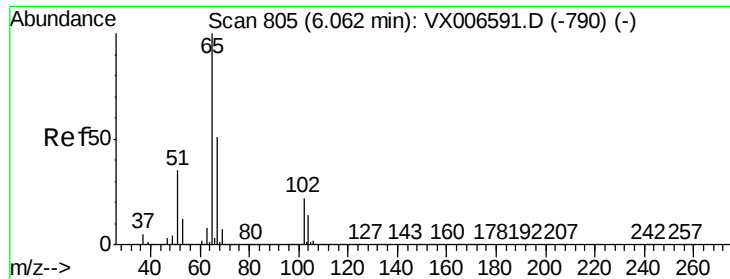


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

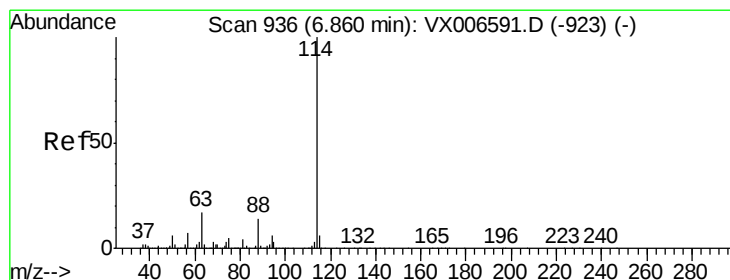
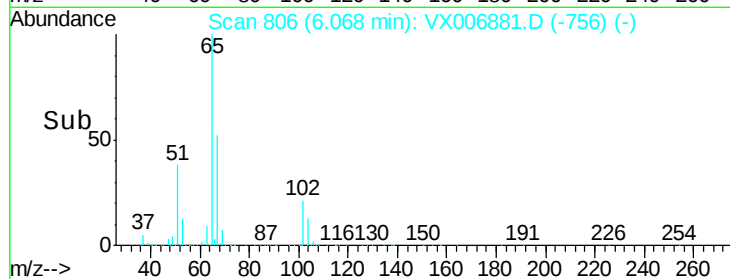
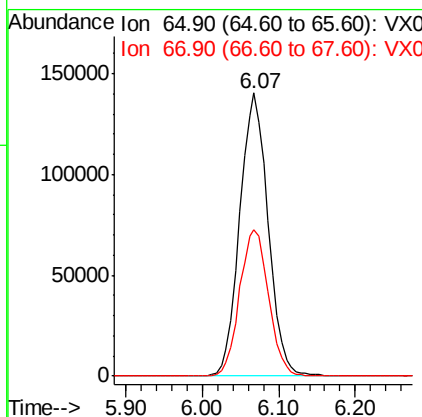
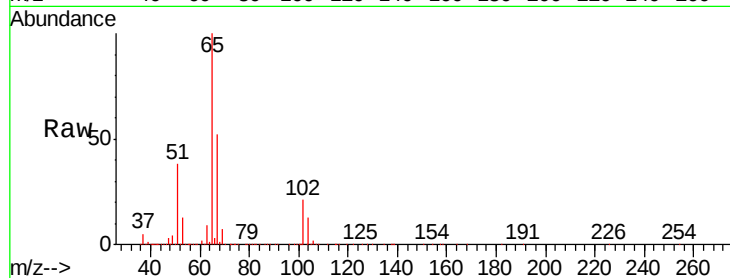




#33
 1,2-Dichloroethane-d4
 Concen: 46.376 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006881.D
 Acq: 02 Jan 2019 15:12

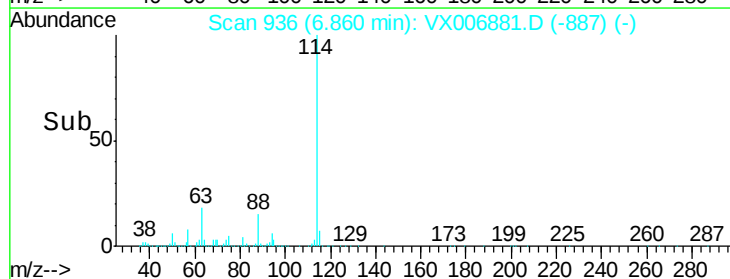
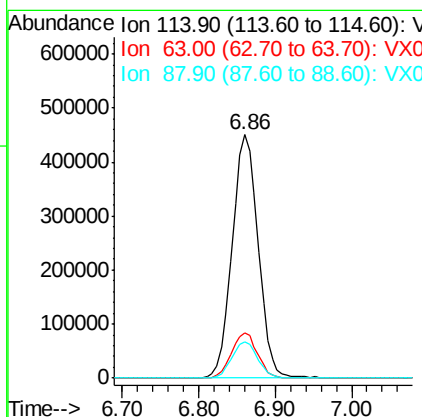
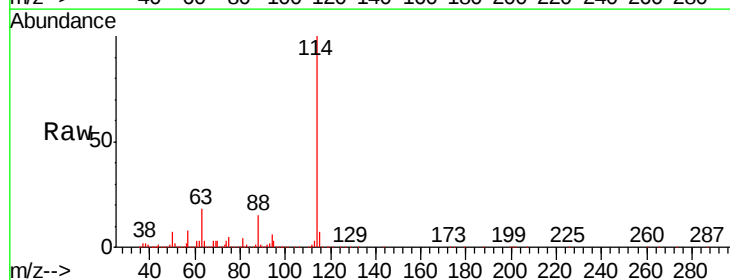
Instrument :
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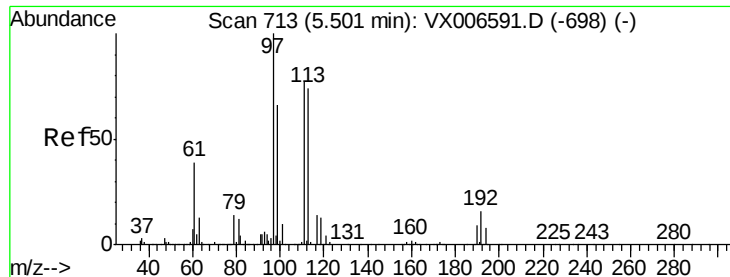
Tgt Ion: 65 Resp: 361480
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006881.D
 Acq: 02 Jan 2019 15:12

Tgt Ion: 114 Resp: 1061129
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.8
 88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.323 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D11-12

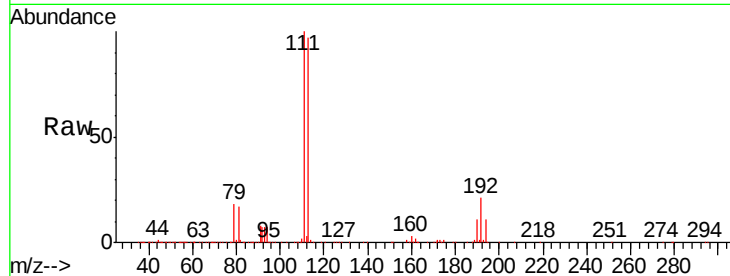
Tgt Ion:113 Resp: 317552

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

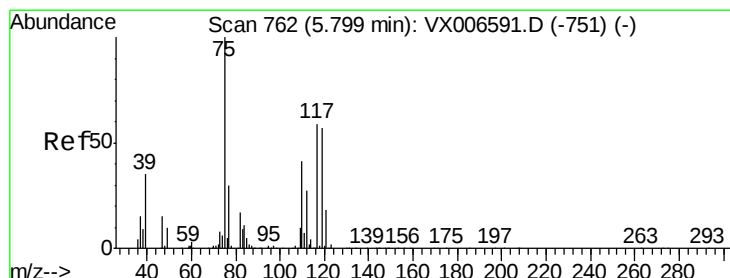
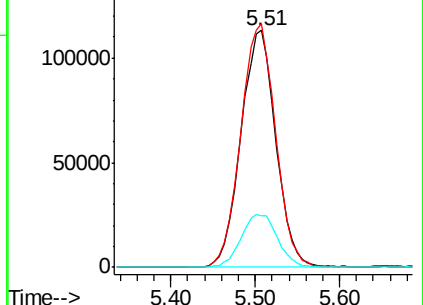
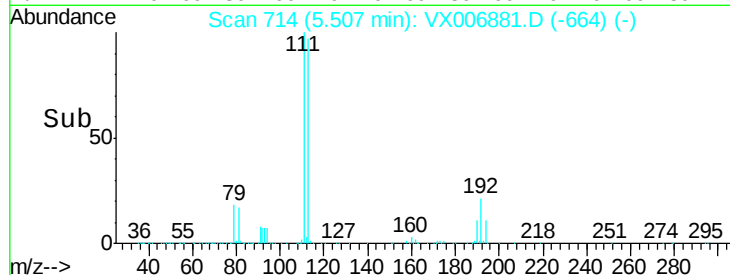
192 23.5 16.7 25.1



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: 5.175 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

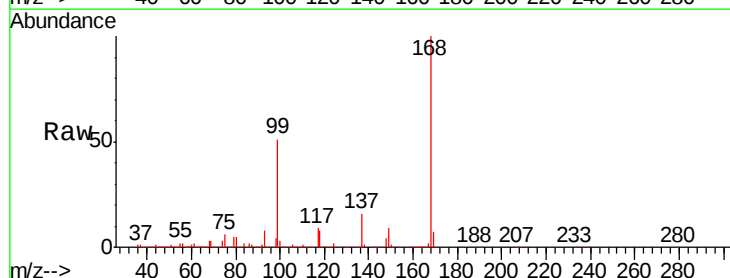
Tgt Ion: 75 Resp: 45480

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

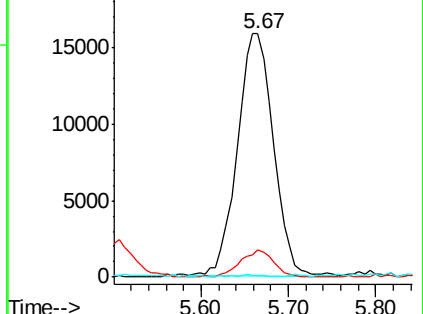
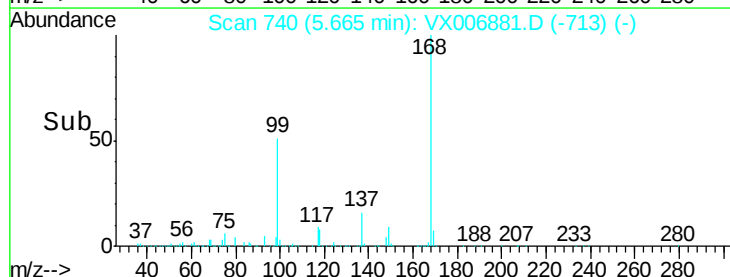
77 0.5 24.8 37.2#

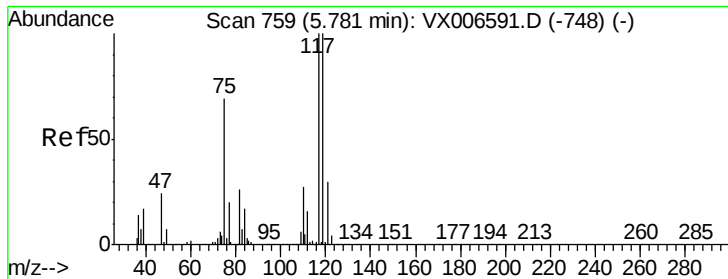


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.333 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D11-12

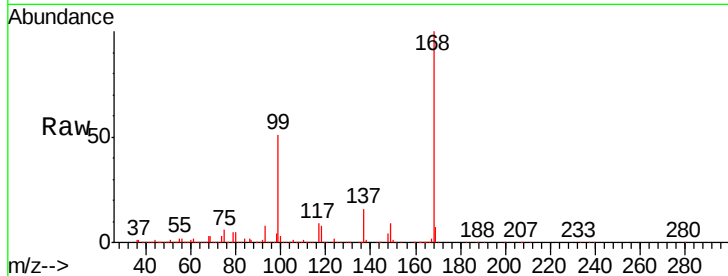
Tgt Ion: 117 Resp: 62635

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

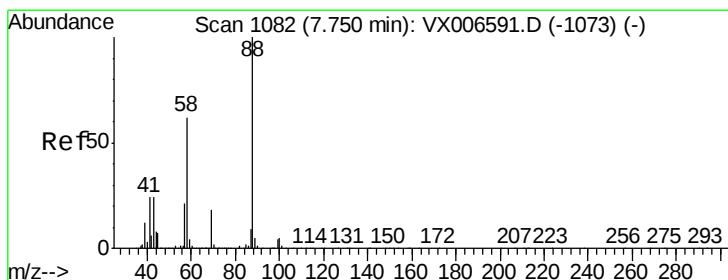
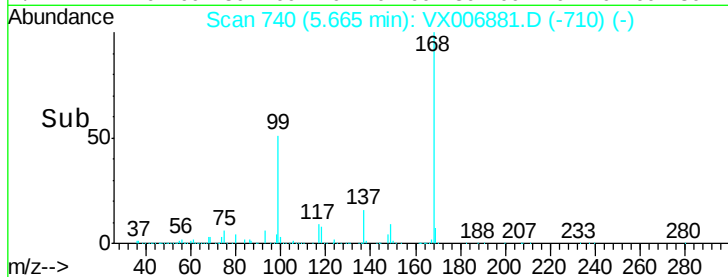
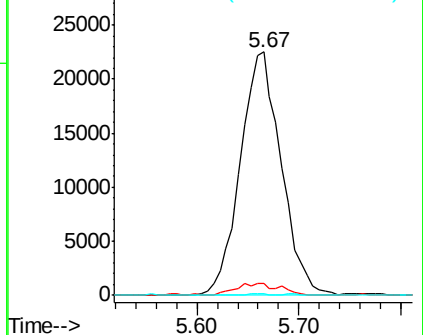
121 0.5 24.0 36.0#



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: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

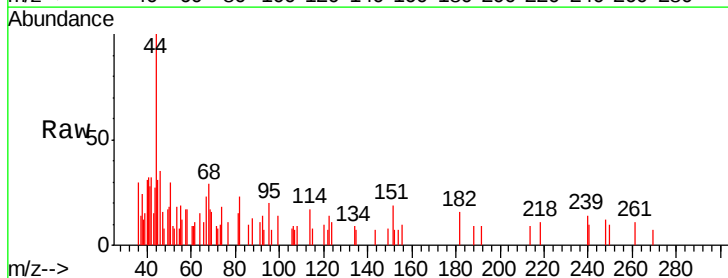
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 450.0 22.2 33.4#

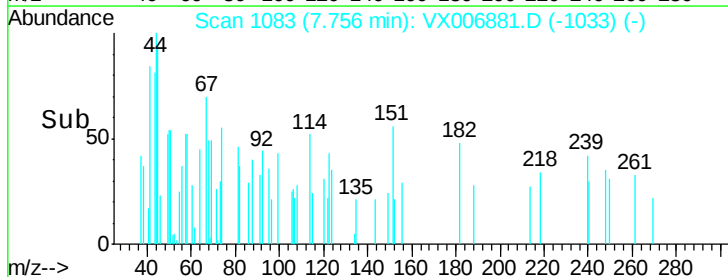
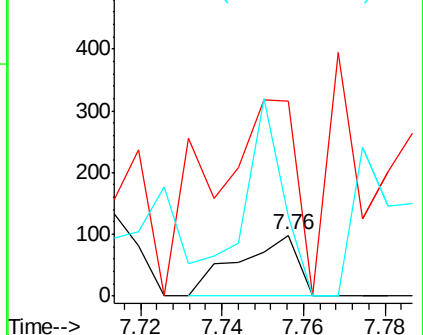
58 214.7 51.0 76.4#

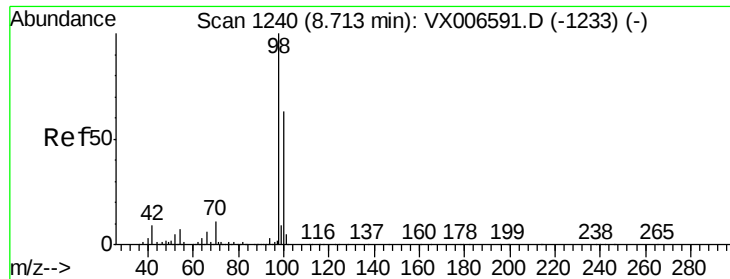


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.915 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

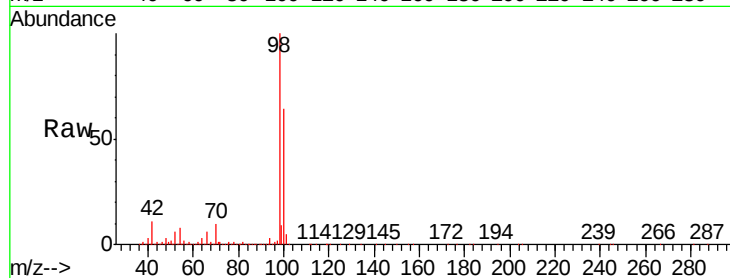
TEST-PIT-D11-12

Tgt Ion: 98 Resp: 1262763

Ion Ratio Lower Upper

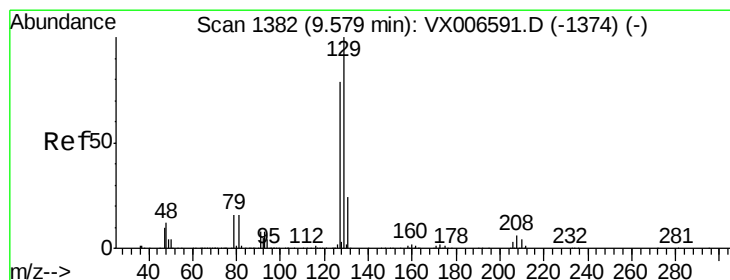
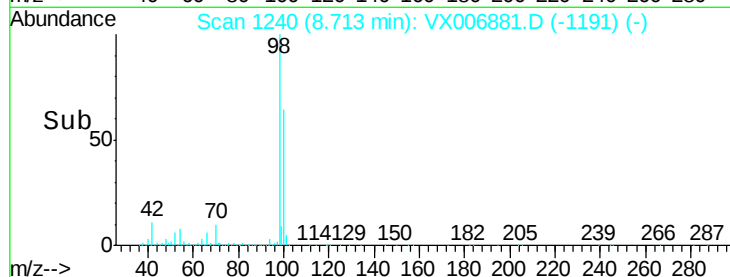
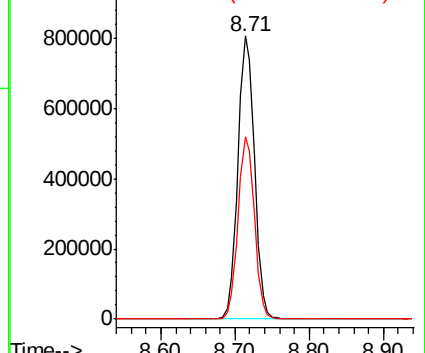
98 100

100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.333 ug/l

RT: 9.42 min Scan# 1356

Delta R.T. -0.16 min

Lab File: VX006881.D

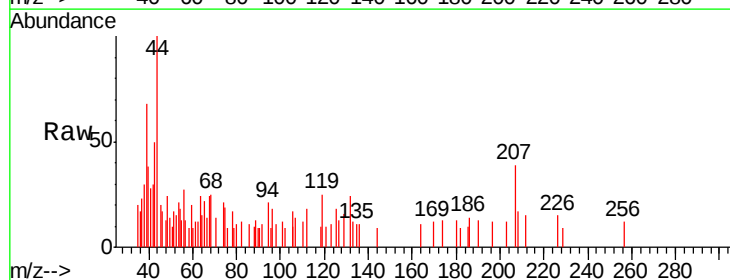
Acq: 02 Jan 2019 15:12

Tgt Ion: 129 Resp: 65

Ion Ratio Lower Upper

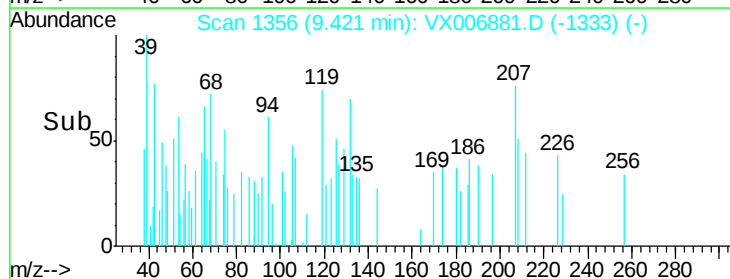
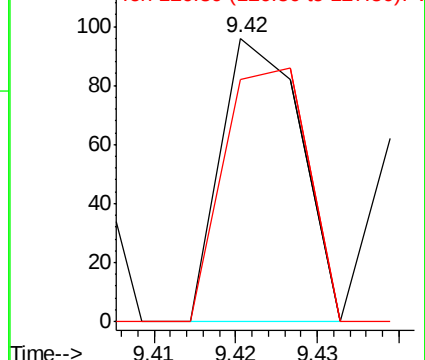
129 100

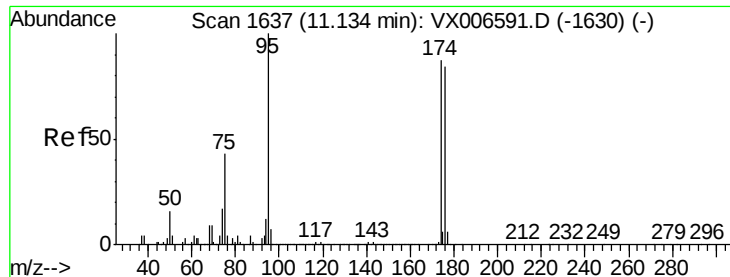
127 93.8 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 48.388 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D11-12

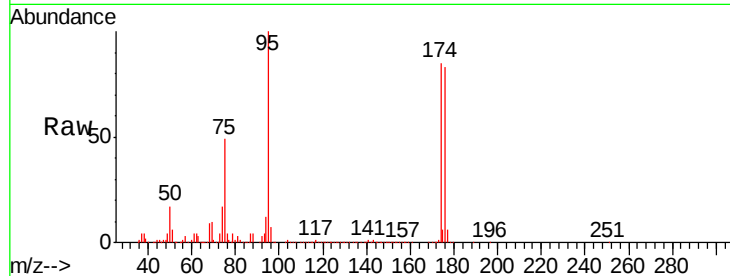
Tgt Ion: 95 Resp: 448327

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

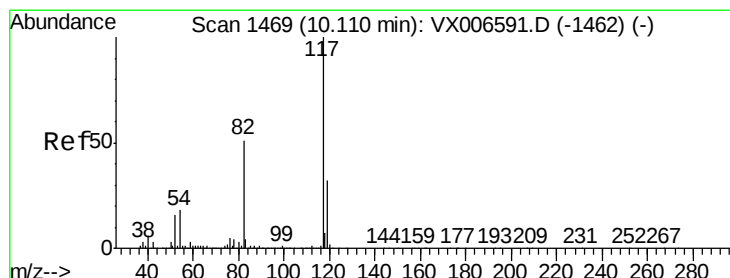
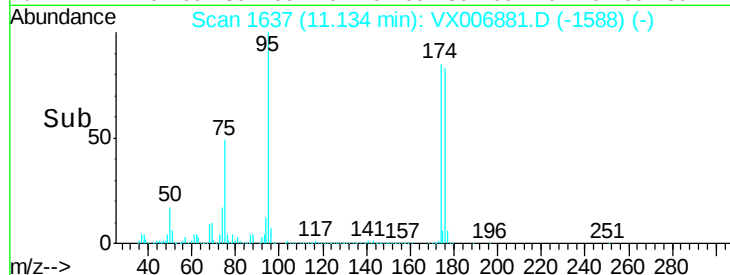
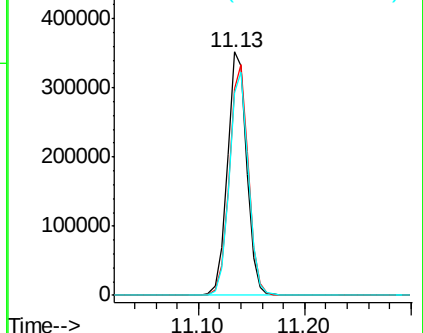
176 89.9 0.0 178.8



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: VX006881.D

Acq: 02 Jan 2019 15:12

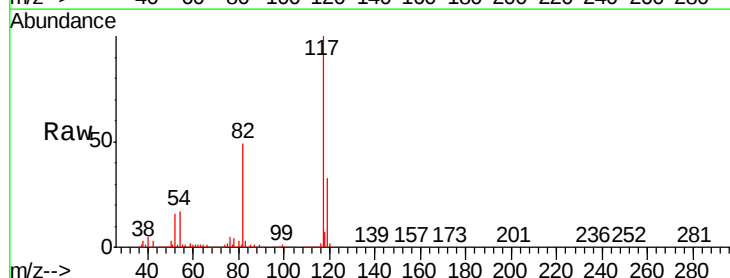
Tgt Ion: 117 Resp: 972687

Ion Ratio Lower Upper

117 100

82 49.0 41.0 61.6

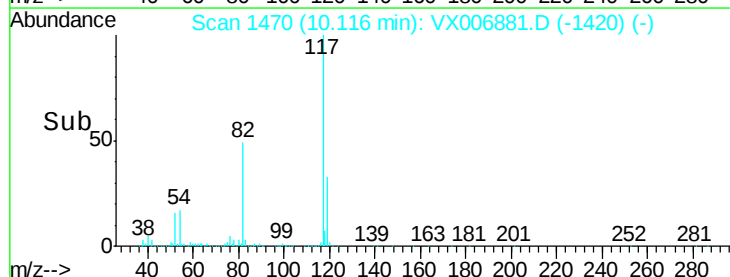
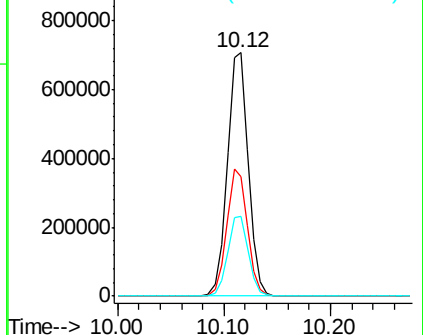
119 32.6 25.4 38.0

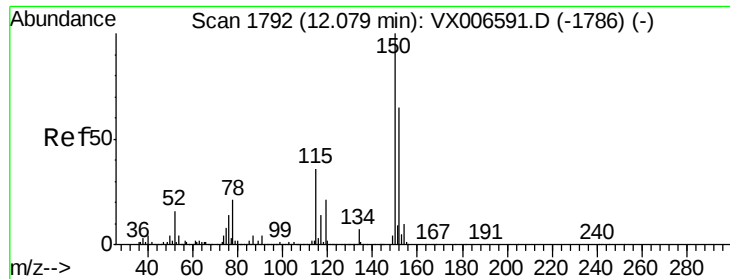


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX006881.D

Acq: 02 Jan 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-D11-12

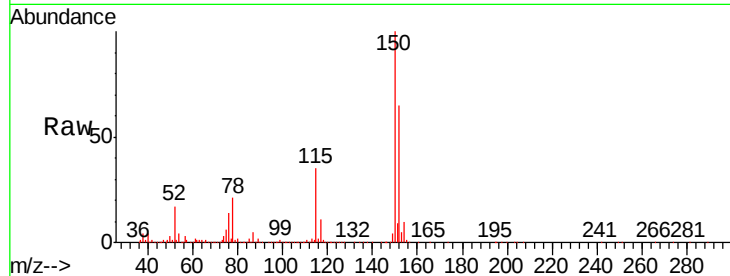
Tgt Ion: 152 Resp: 489729

Ion Ratio Lower Upper

152 100

115 53.8 39.1 117.2

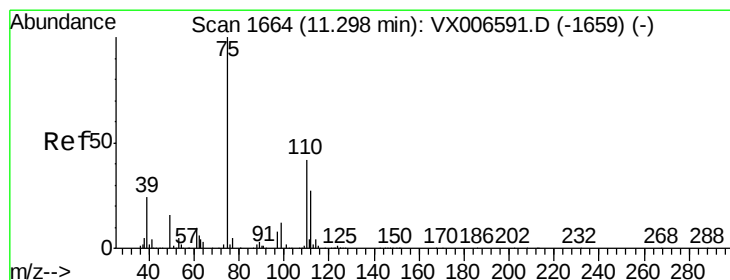
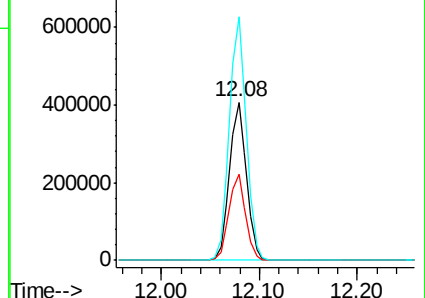
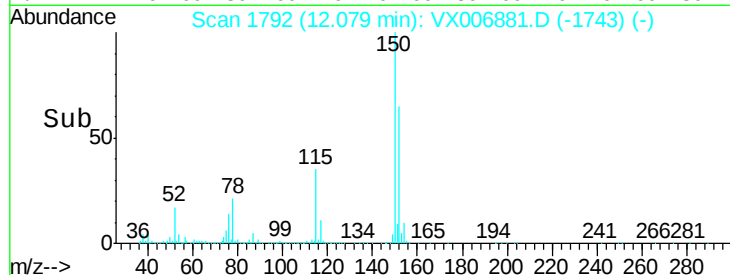
150 154.0 0.0 344.8



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: 23.554 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006881.D

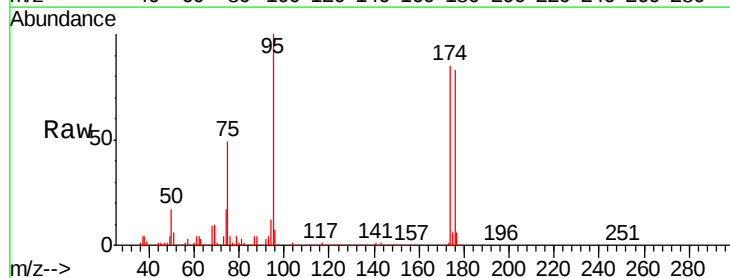
Acq: 02 Jan 2019 15:12

Tgt Ion: 75 Resp: 214372

Ion Ratio Lower Upper

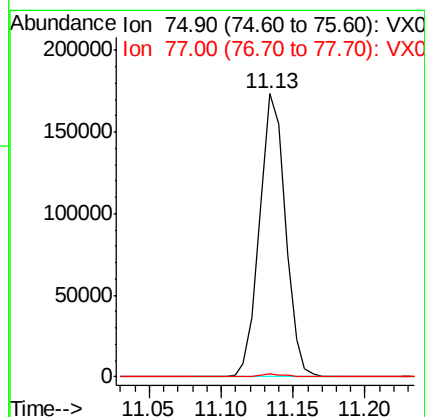
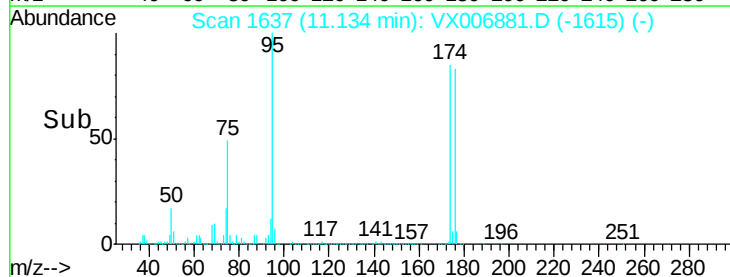
75 100

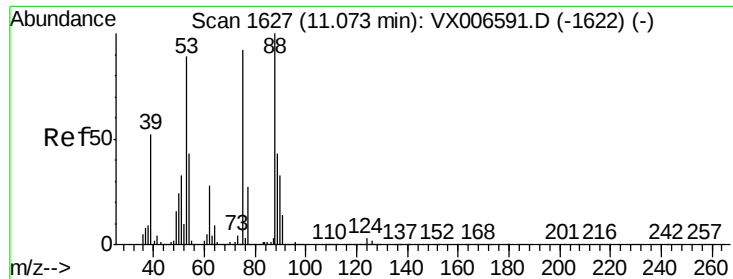
77 1.2 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

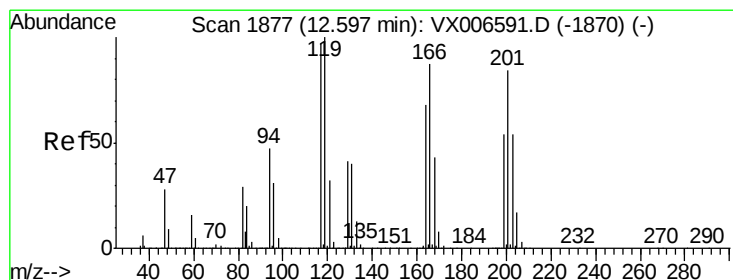
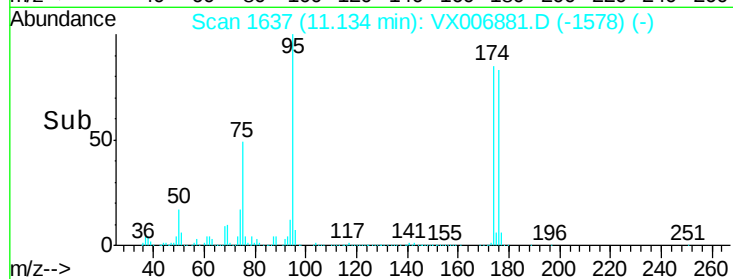
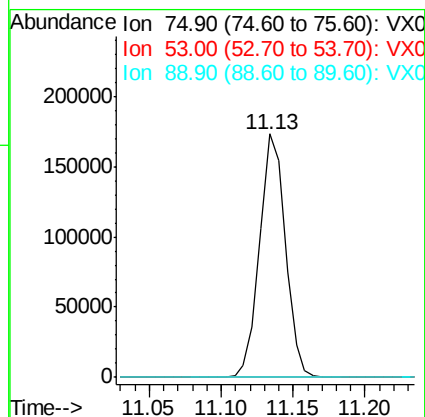
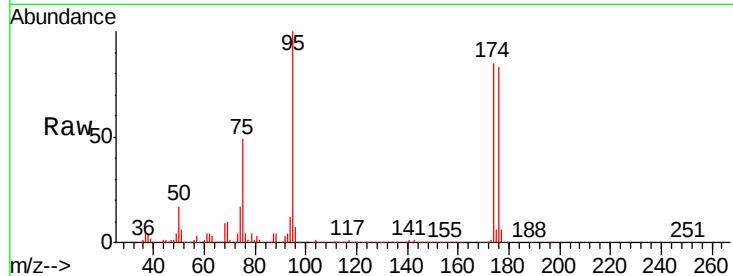




#81
trans-1,4-Dichloro-2-butene
Concen: 69.847 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006881.D
Acq: 02 Jan 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-D11-12

Tgt Ion: 75 Resp: 214372
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.1 38.0 57.0#



#90
Hexachloroethane
Concen: 3.339 ug/l
RT: 12.68 min Scan# 1891
Delta R.T. 0.09 min
Lab File: VX006881.D
Acq: 02 Jan 2019 15:12

Tgt Ion: 117 Resp: 228
Ion Ratio Lower Upper
117 100
201 0.0 42.9 128.7#

