

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004282.D
 Acq On : 29 Aug 2018 10:30
 Operator : JC/MD
 Sample : J4682-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB1-082218

Quant Time: Aug 30 02:06:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	396877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224755	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	194914	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
35) Dibromofluoromethane	5.50	113	172140	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	8.71	98	628525	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.14	95	221270	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

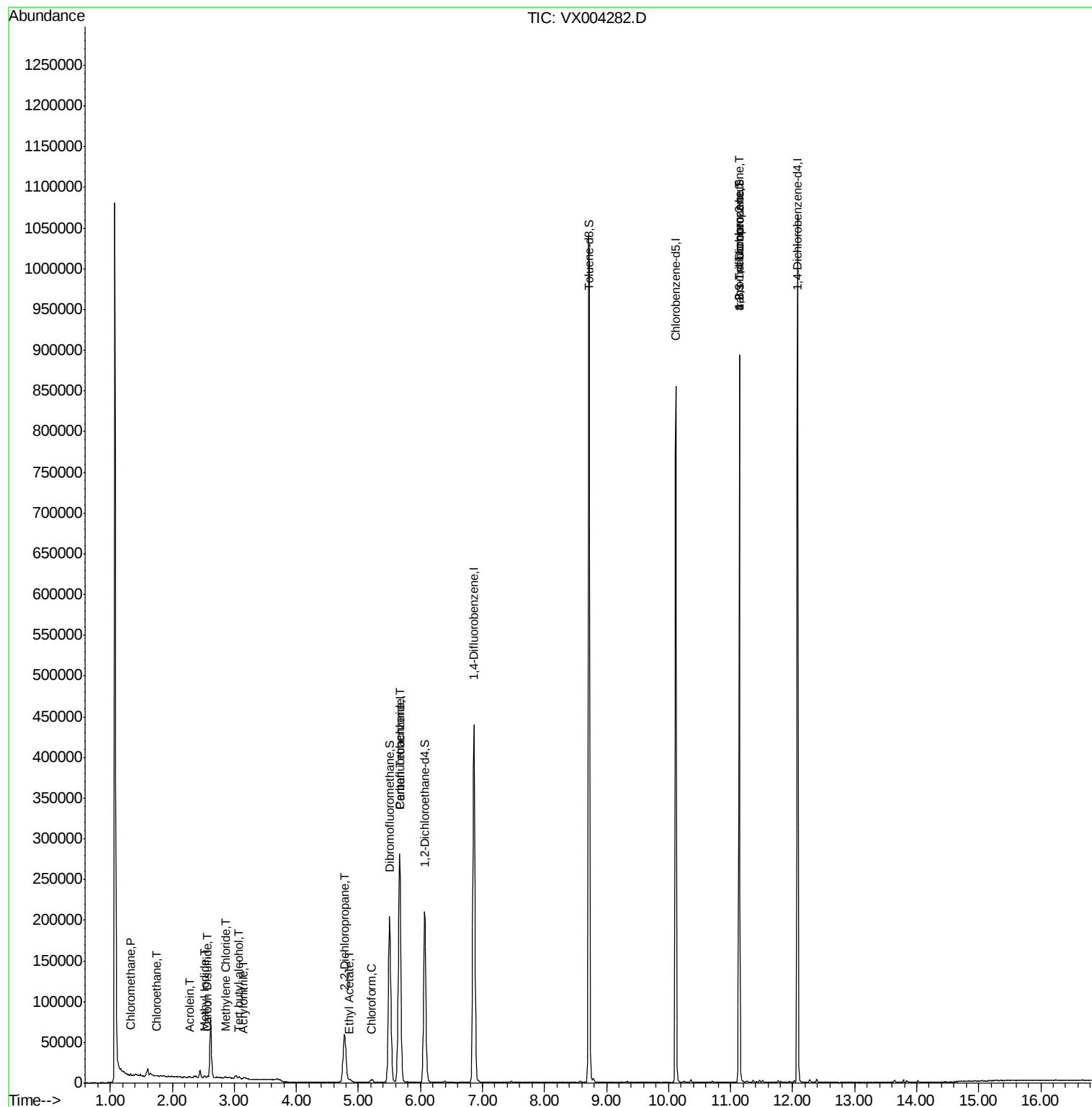
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1810	0.77	ug/l #	86
5) Bromomethane	1.64	94	1780	Below Cal		85
6) Chloroethane	1.74	64	980	1.29	ug/l #	46
10) Methyl Iodide	2.51	142	2061	4.78	ug/l	99
11) Tert butyl alcohol	3.07	59	2926	3.62	ug/l #	93
13) Acrolein	2.29	56	196	1.01	ug/l #	68
15) Acrylonitrile	3.14	53	752	0.38	ug/l #	29
16) Acetone	2.45	43	9602	Below Cal		97
17) Carbon Disulfide	2.57	76	2523	1.09	ug/l	96
20) Methylene Chloride	2.86	84	845	0.23	ug/l #	91
25) 2-Butanone	4.71	43	811	Below Cal		81
26) 2,2-Dichloropropane	4.77	77	5098	1.05	ug/l #	52
30) Chloroform	5.21	83	4150	0.67	ug/l	95
37) Ethyl Acetate	4.85	43	4595	0.93	ug/l #	91
38) Carbon Tetrachloride	5.66	117	25057	5.27	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	105984	23.19	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	105984	75.23	ug/l #	10

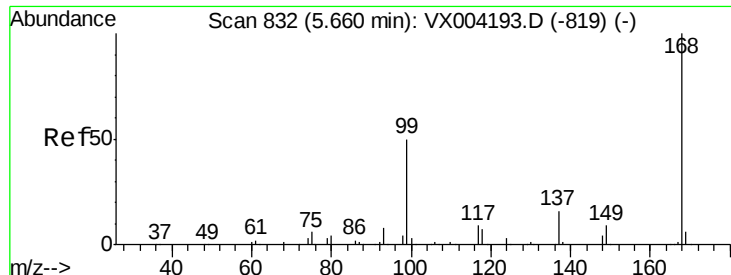
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

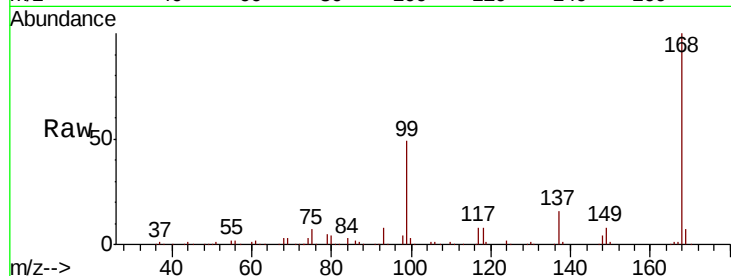
TB1-082218

Tot Ion:168 Resp: 291106

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

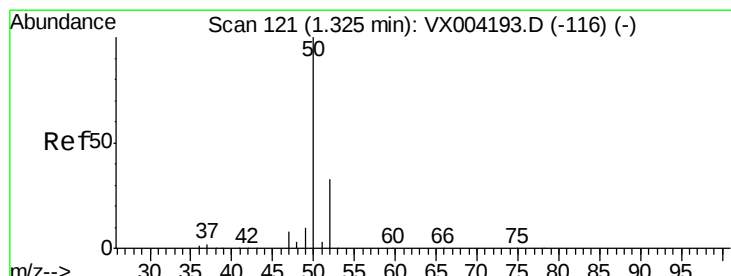
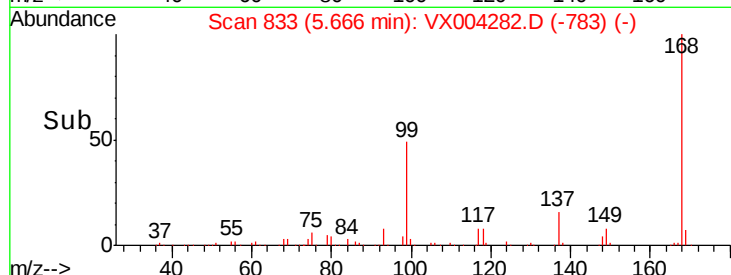
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.77 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004282.D

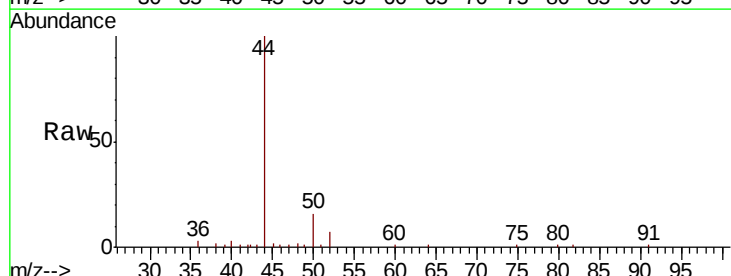
Acq: 29 Aug 2018 10:30

Tgt Ion: 50 Resp: 1810

Ion Ratio Lower Upper

50 100

52 40.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

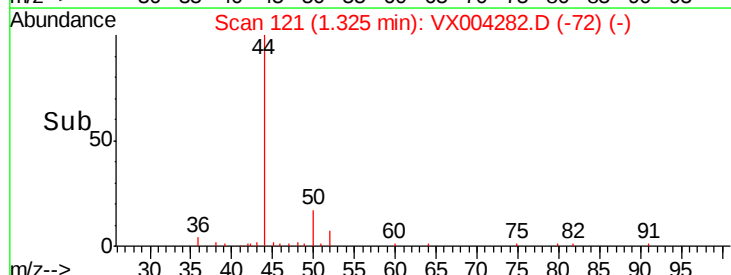
1000

500

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

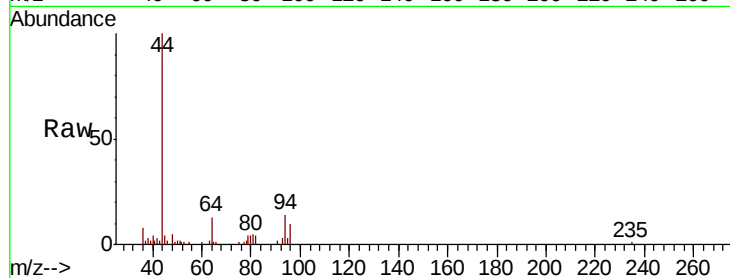
TB1-082218

Tot Ion: 94 Resp: 1780

Ion Ratio Lower Upper

94 100

96 78.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

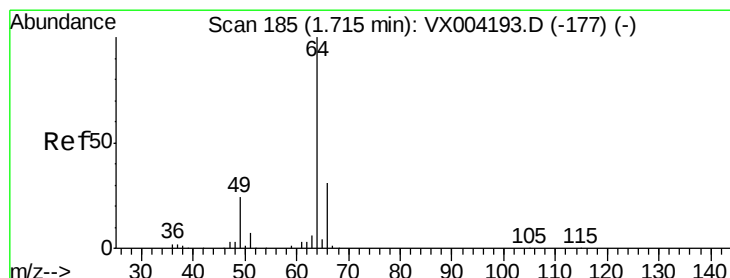
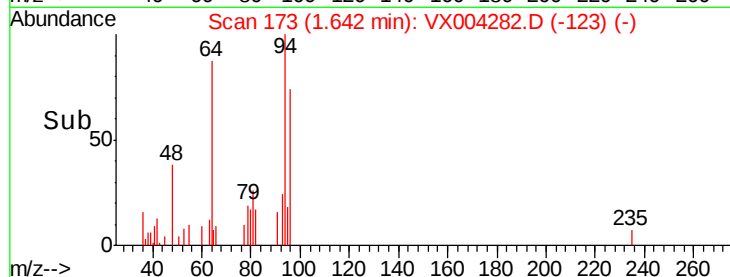
600

400

200

0

Time-->



#6

Chloroethane

Concen: 1.29 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX004282.D

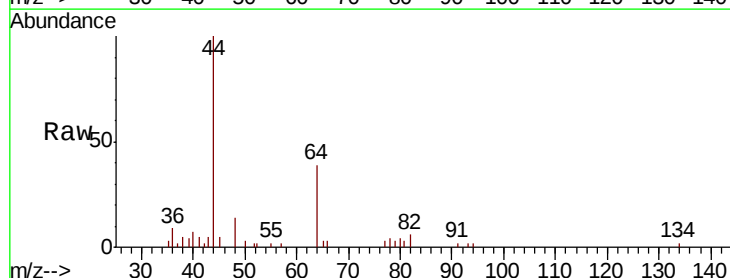
Acq: 29 Aug 2018 10:30

Tgt Ion: 64 Resp: 980

Ion Ratio Lower Upper

64 100

66 1.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

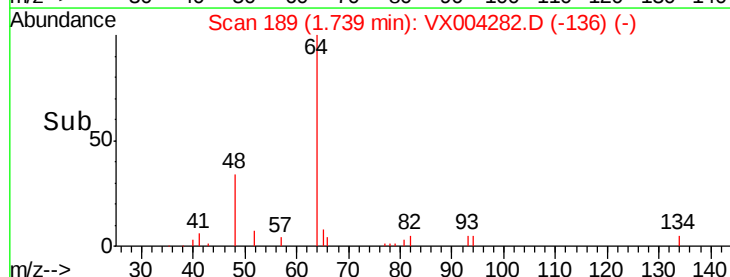
1500

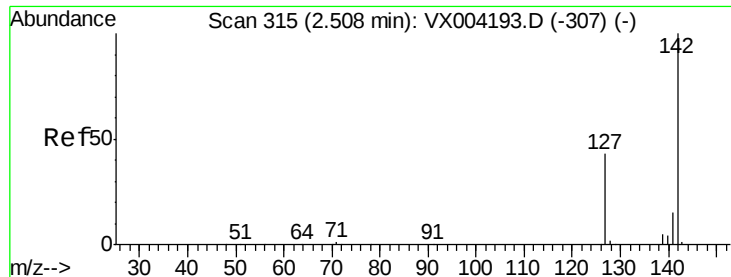
1000

500

0

Time-->

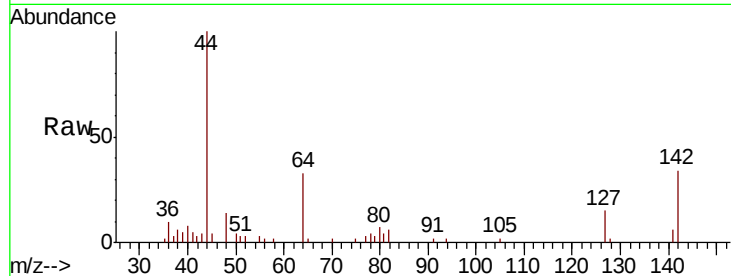




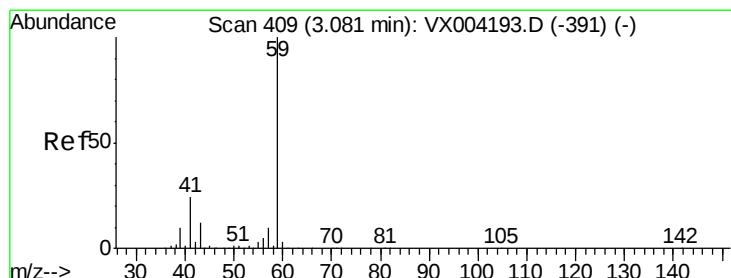
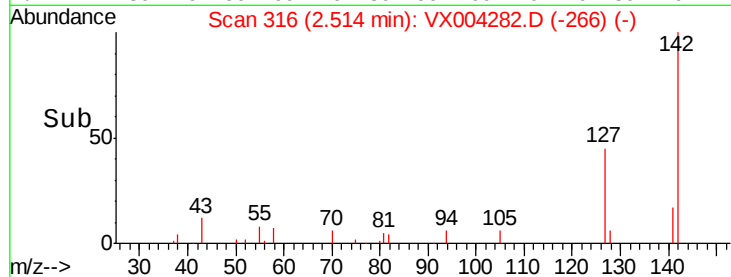
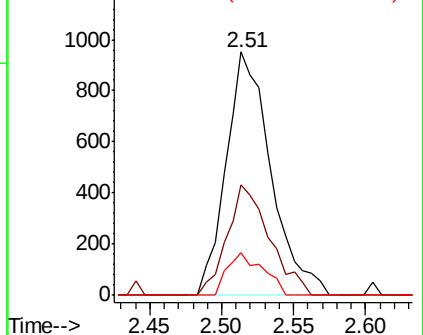
#10
Methvl Iodide
Concen: 4.78 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004282.D
Acq: 29 Aug 2018 10:30

Instrument :
MSVOA_X
ClientSampleId :
TB1-082218

Tot Ion:142 Resp: 2061
Ion Ratio Lower Upper
142 100
127 43.0 33.8 50.6
141 13.8 11.4 17.0

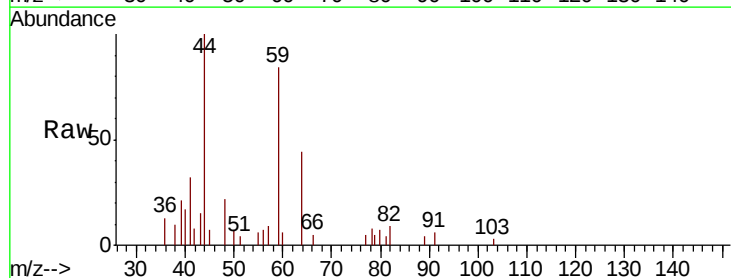


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

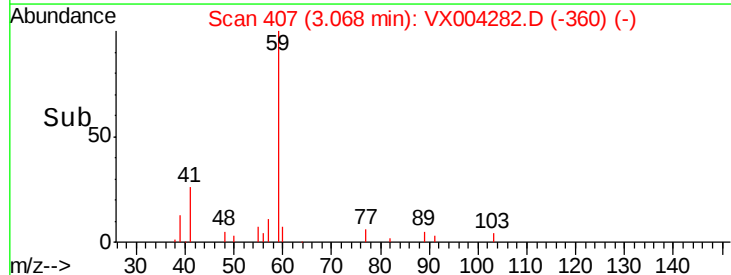
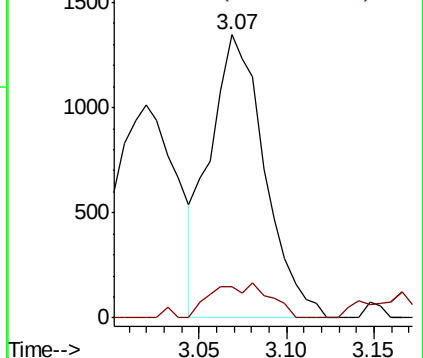


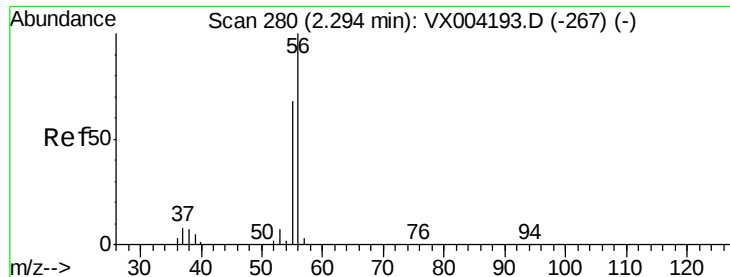
#11
Tert butyl alcohol
Concen: 3.62 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004282.D
Acq: 29 Aug 2018 10:30

Tgt Ion: 59 Resp: 2926
Ion Ratio Lower Upper
59 100
57 13.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.01 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

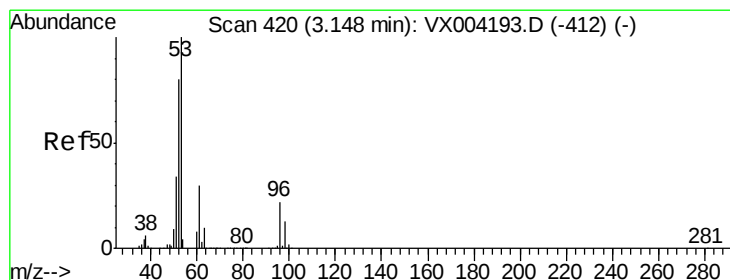
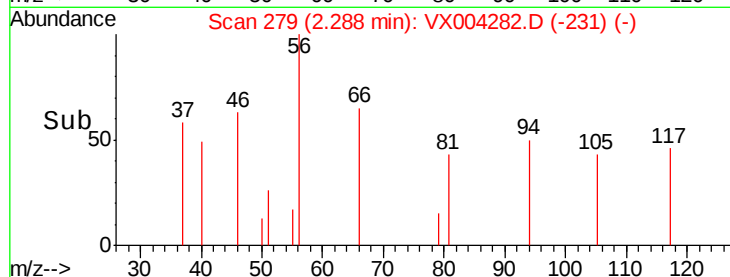
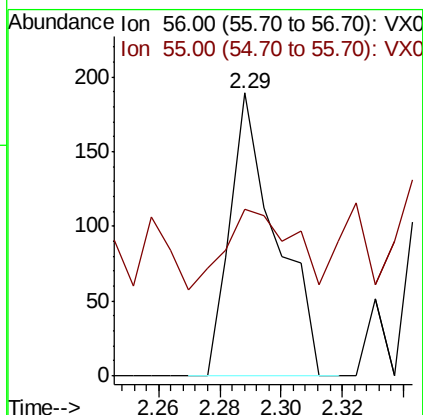
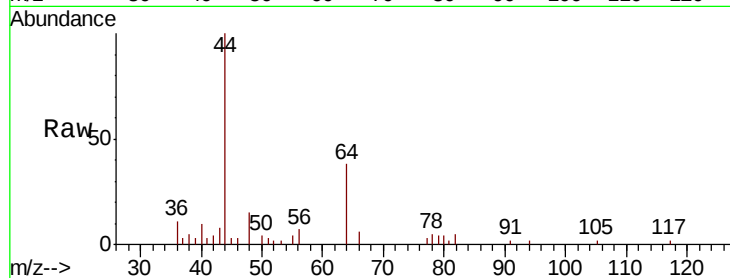
TB1-082218

Tot Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 42.3 54.7 82.1#



#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

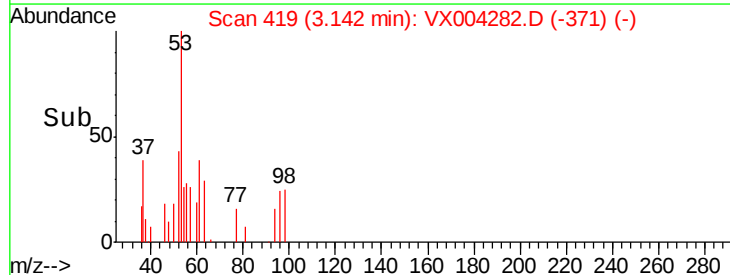
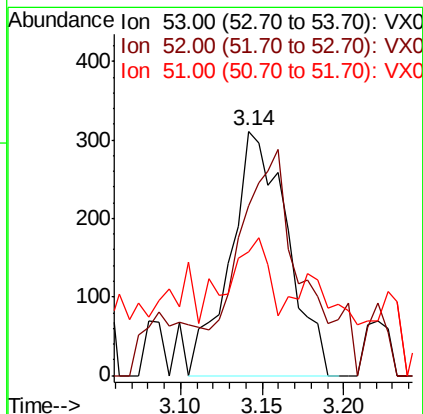
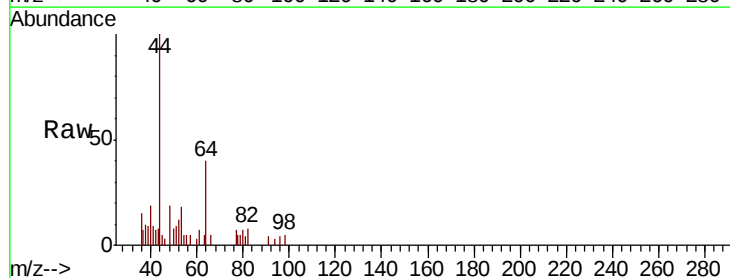
Tgt Ion: 53 Resp: 752

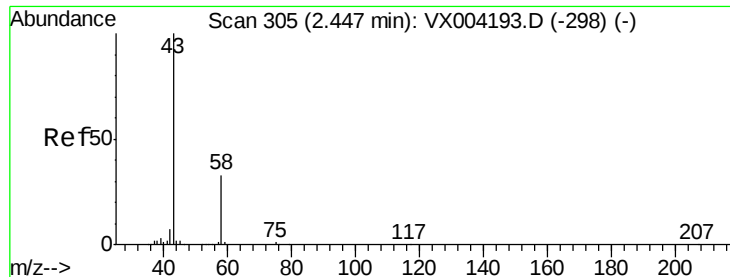
Ion Ratio Lower Upper

53 100

52 0.0 65.2 97.8#

51 21.0 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

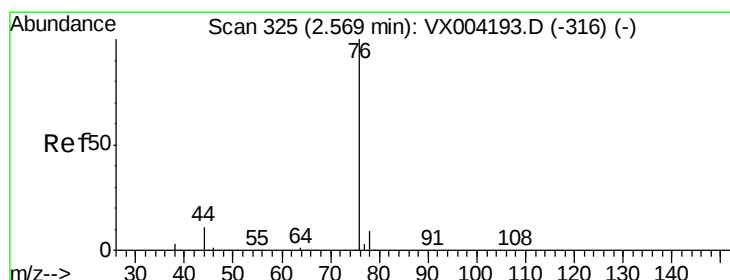
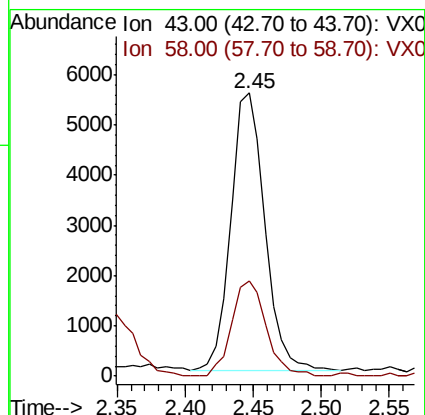
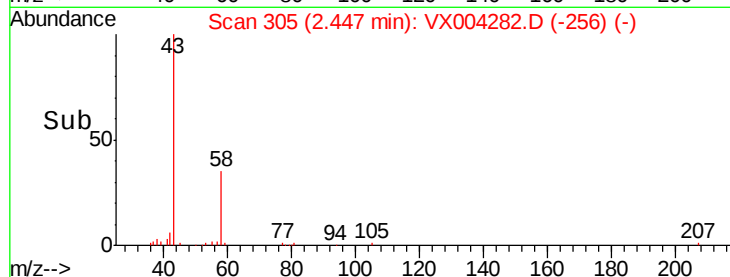
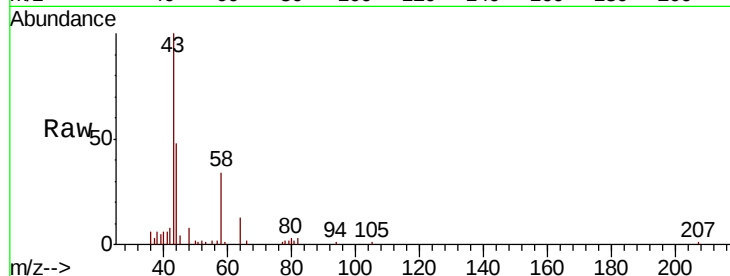
TB1-082218

Tot Ion: 43 Resp: 9602

Ion Ratio Lower Upper

43 100

58 34.5 26.2 39.4



#17

Carbon Disulfide

Concen: 1.09 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004282.D

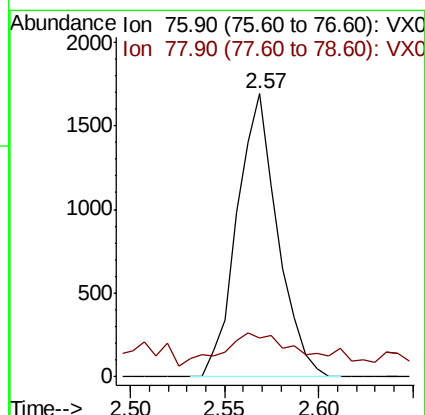
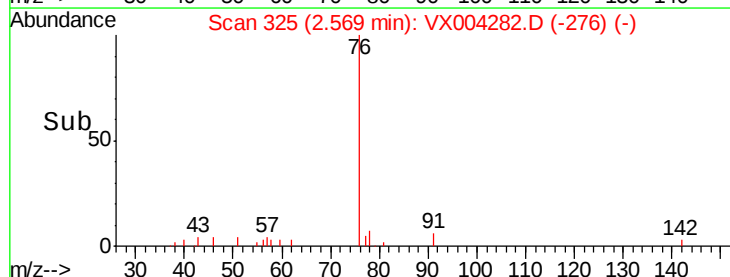
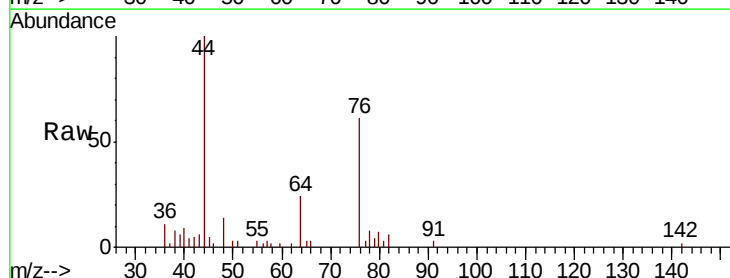
Acq: 29 Aug 2018 10:30

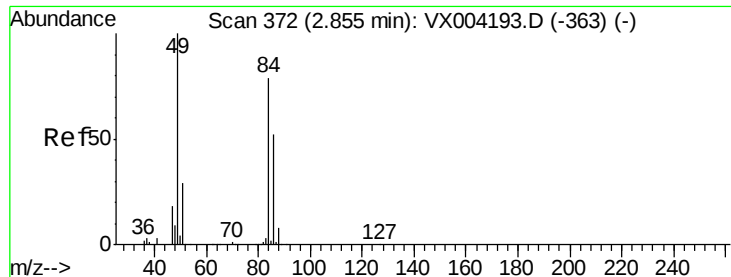
Tgt Ion: 76 Resp: 2523

Ion Ratio Lower Upper

76 100

78 7.4 7.0 10.6





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

TB1-082218

Tot Ion: 84 Resp: 845

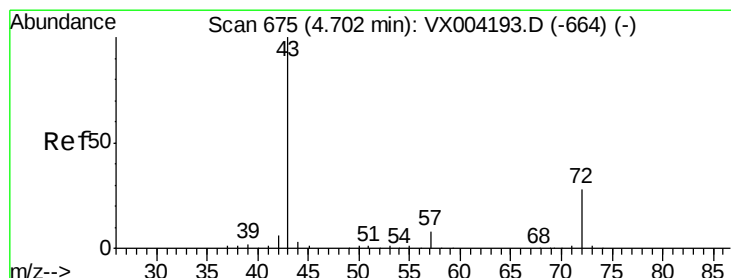
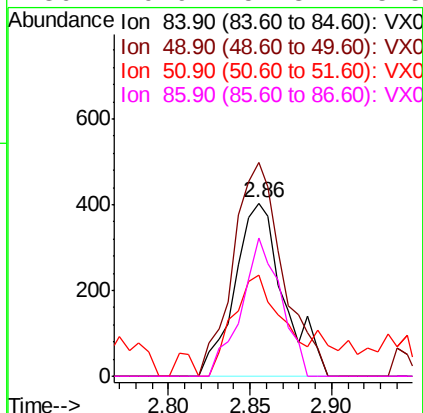
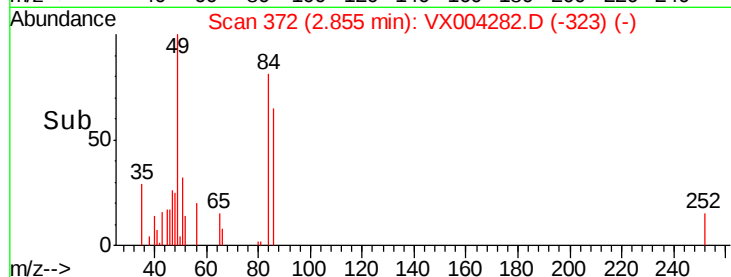
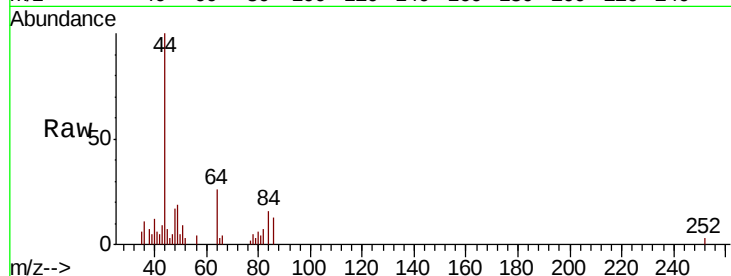
Ion Ratio Lower Upper

84 100

49 123.6 101.2 151.8

51 45.9 29.5 44.3#

86 79.9 52.3 78.5#



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004282.D

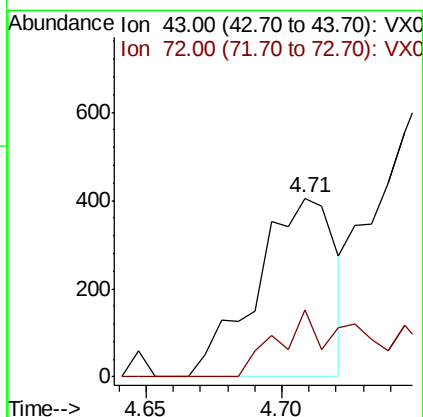
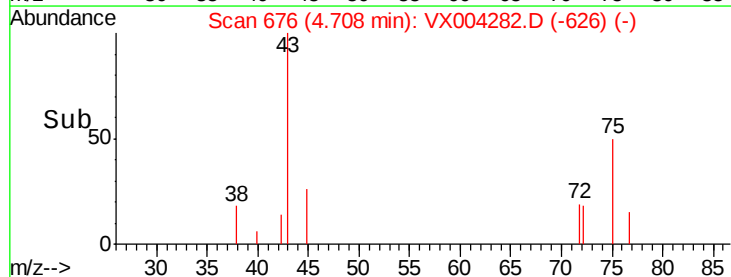
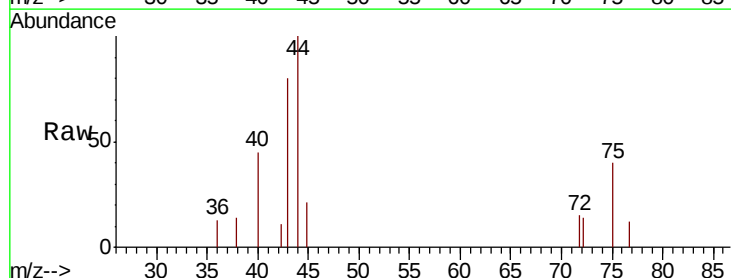
Acq: 29 Aug 2018 10:30

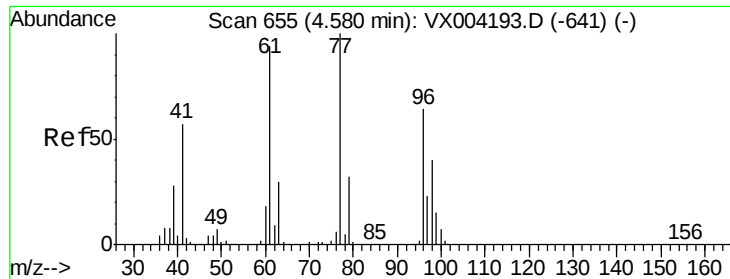
Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

72 37.3 22.0 33.0#

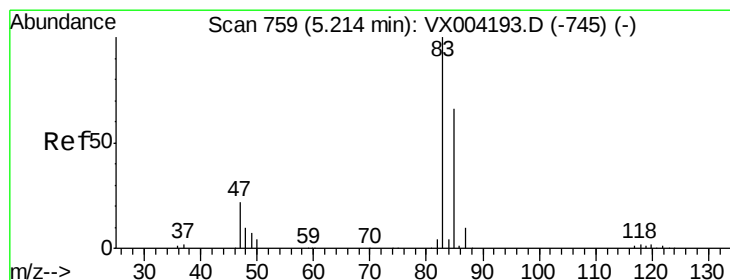
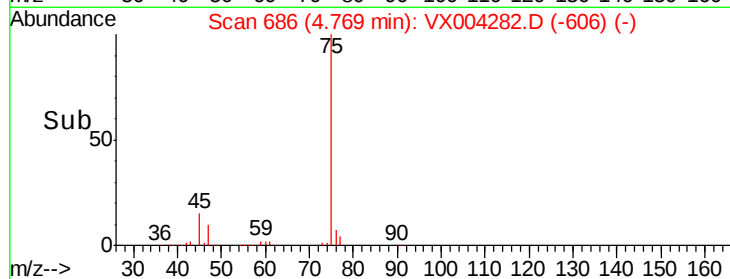
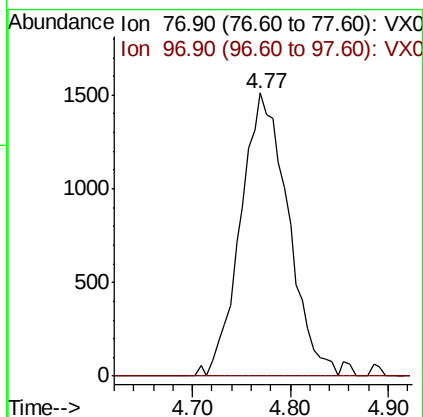
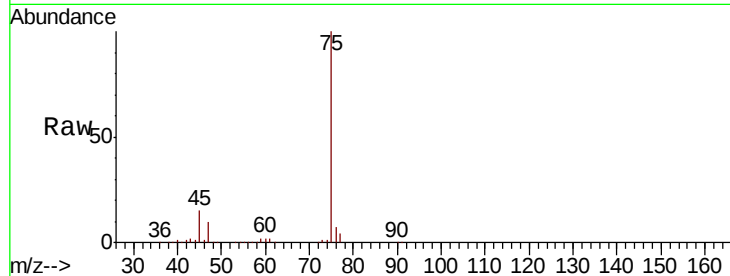




#26
 2,2-Dichloropropane
 Concen: 1.05 ug/l
 RT: 4.77 min Scan# 686
 Delta R.T. 0.19 min
 Lab File: VX004282.D
 Acq: 29 Aug 2018 10:30

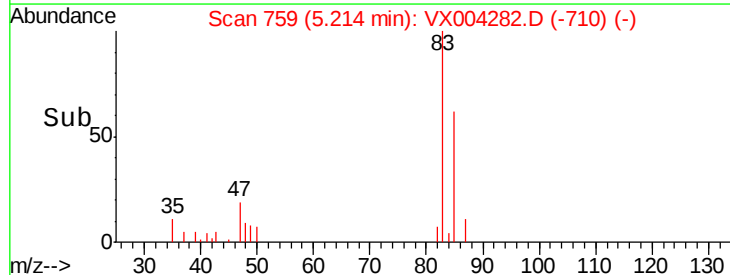
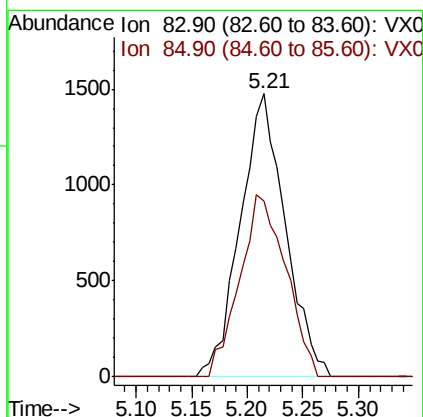
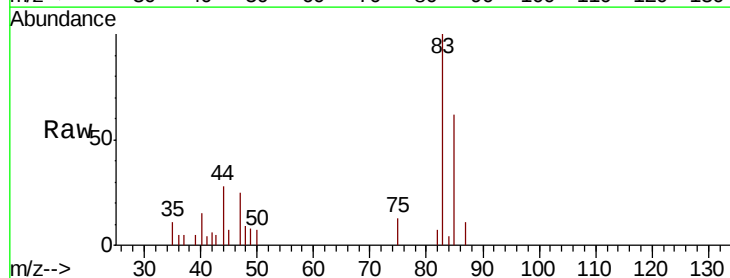
Instrument :
 MSVOA_X
 ClientSampleId :
 TB1-082218

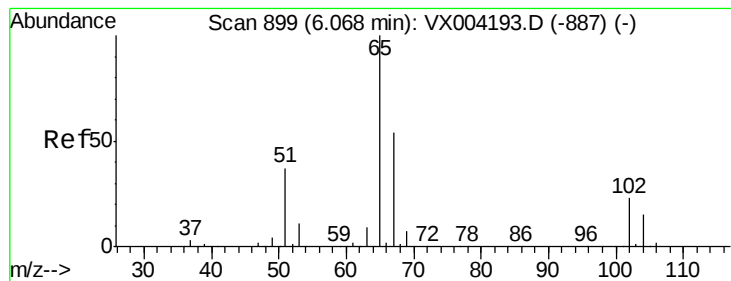
Tot Ion: 77 Resp: 5098
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#30
 Chloroform
 Concen: 0.67 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VX004282.D
 Acq: 29 Aug 2018 10:30

Tgt Ion: 83 Resp: 4150
 Ion Ratio Lower Upper
 83 100
 85 62.0 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 51.37 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

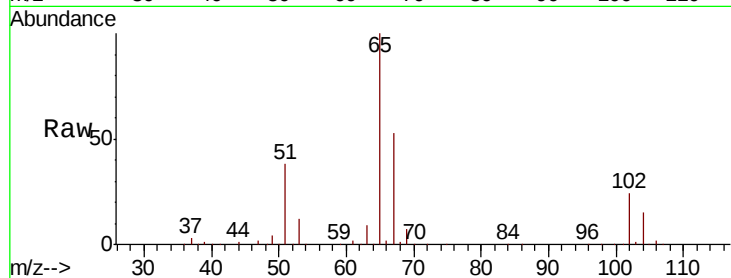
TB1-082218

Tot Ion: 65 Resp: 194914

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

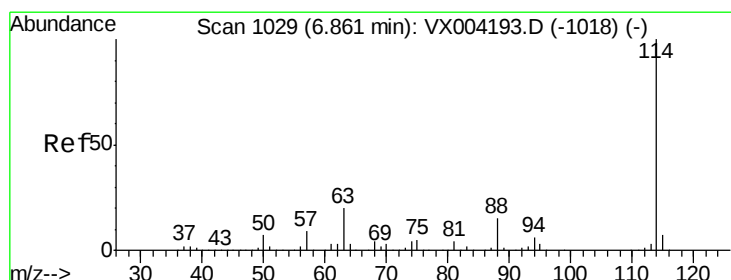
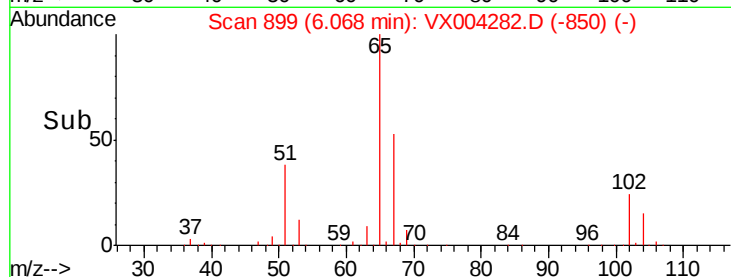
40000

20000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

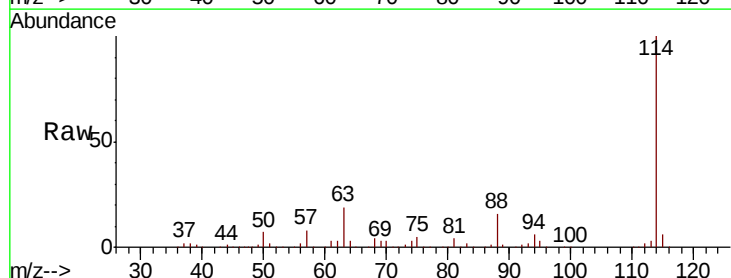
Tgt Ion: 114 Resp: 449269

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.7 0.0 30.4



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

250000

200000

150000

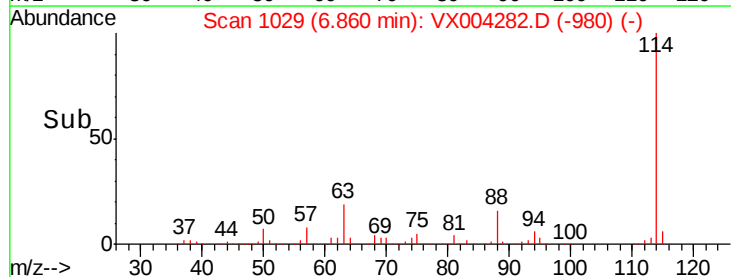
100000

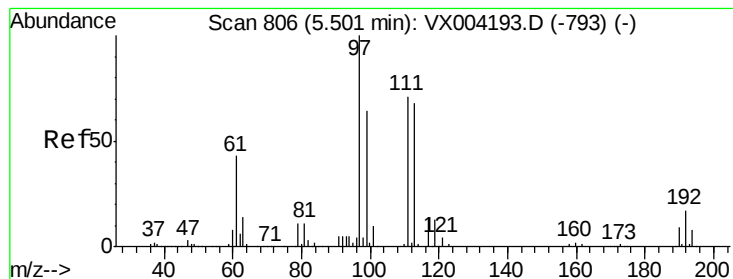
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 51.50 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

TB1-082218

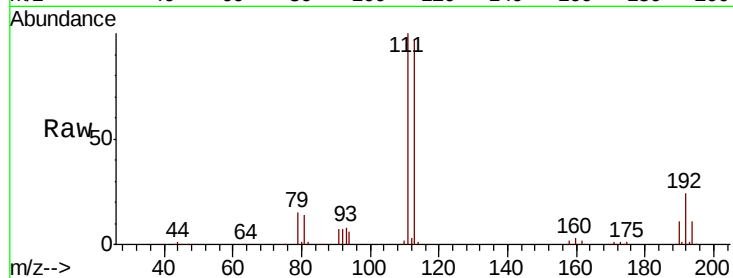
Tot Ion:113 Resp: 172140

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

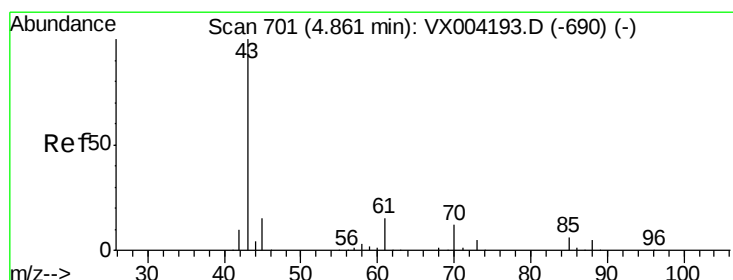
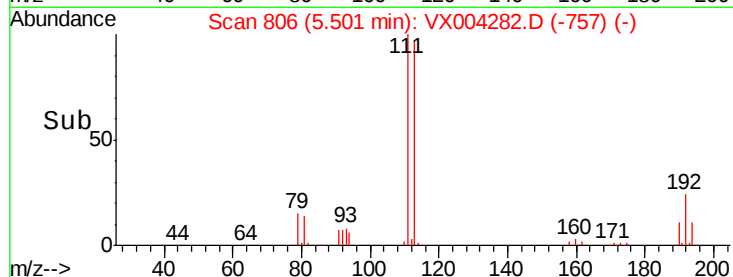
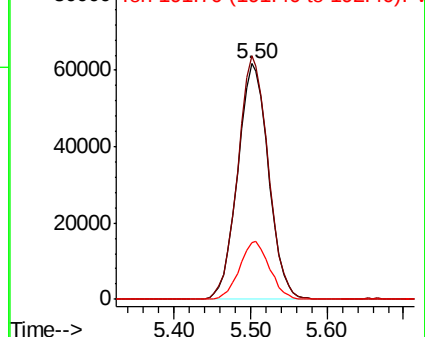
192 24.0 19.4 29.2



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



#37

Ethyl Acetate

Concen: 0.93 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.01 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

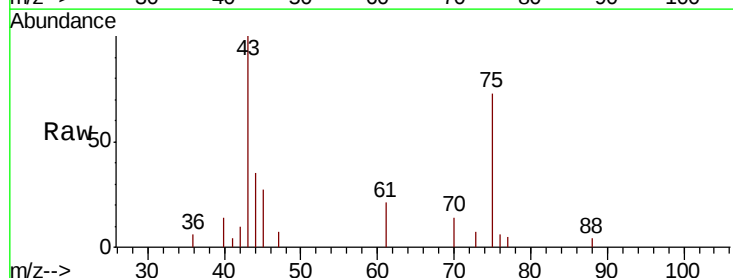
Tgt Ion: 43 Resp: 4595

Ion Ratio Lower Upper

43 100

61 17.4 11.5 17.3#

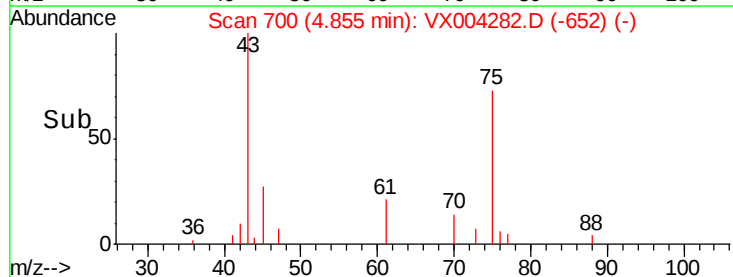
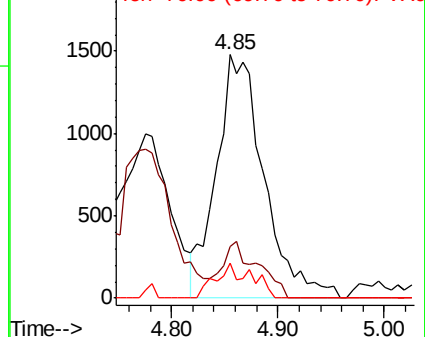
70 7.0 9.0 13.6#

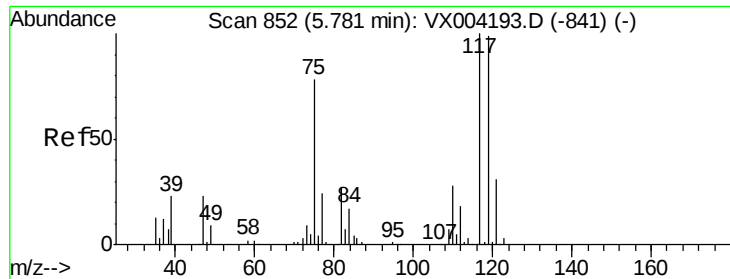


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.27 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

TB1-082218

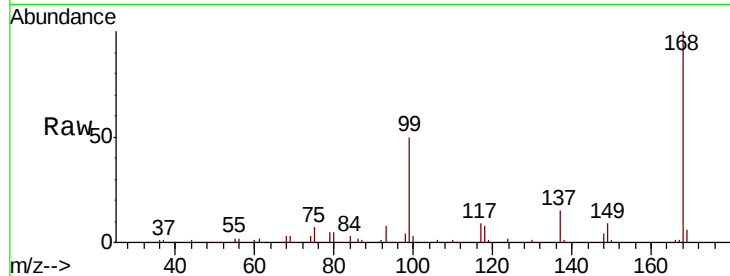
Tot Ion:117 Resp: 25057

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

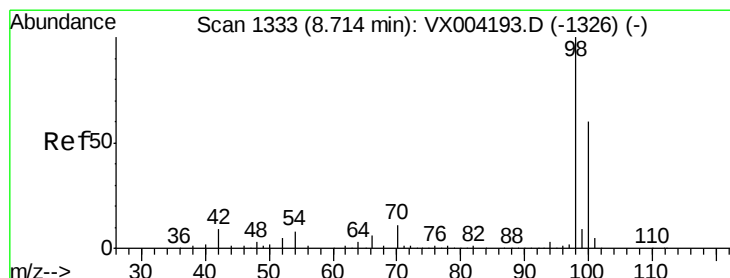
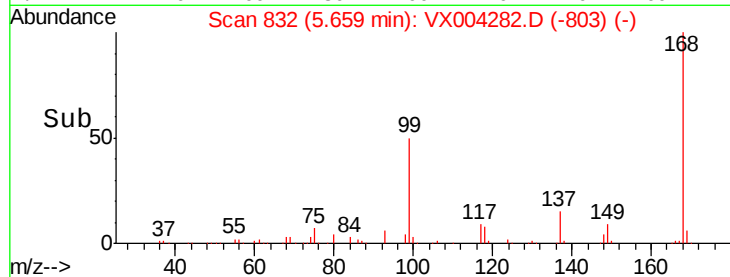
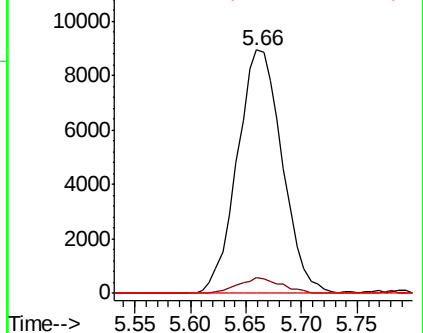
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 49.82 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004282.D

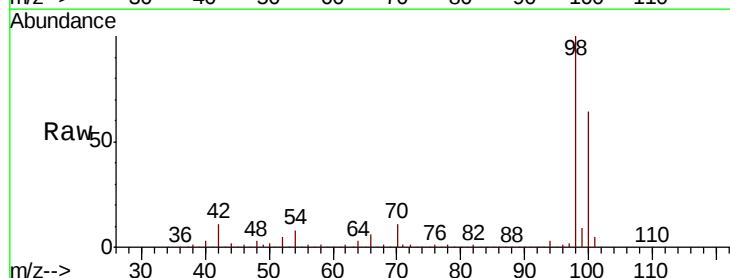
Acq: 29 Aug 2018 10:30

Tgt Ion: 98 Resp: 628525

Ion Ratio Lower Upper

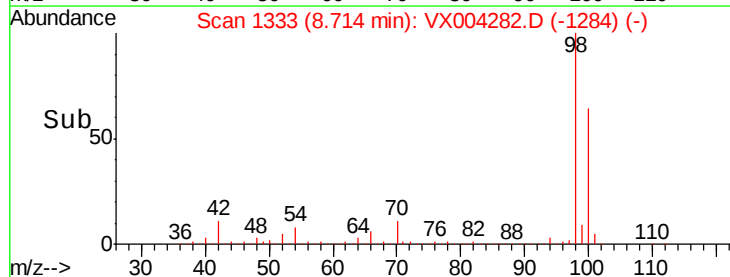
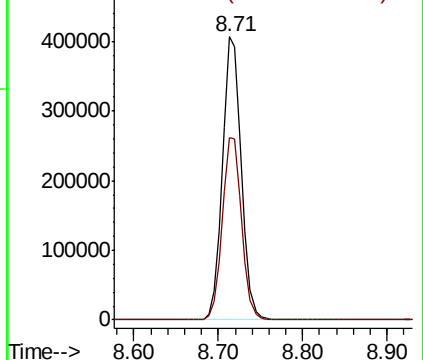
98 100

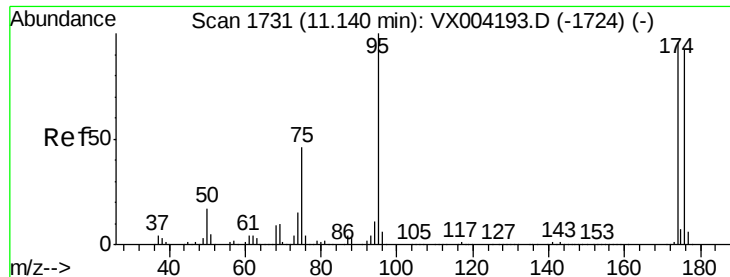
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

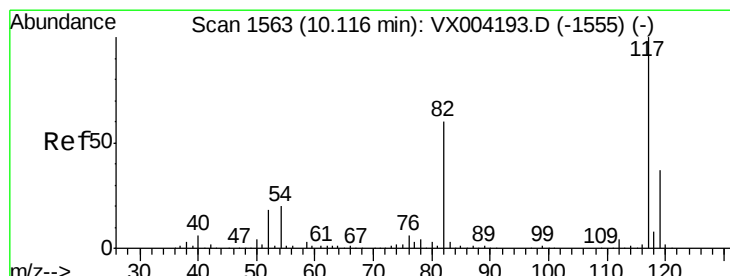
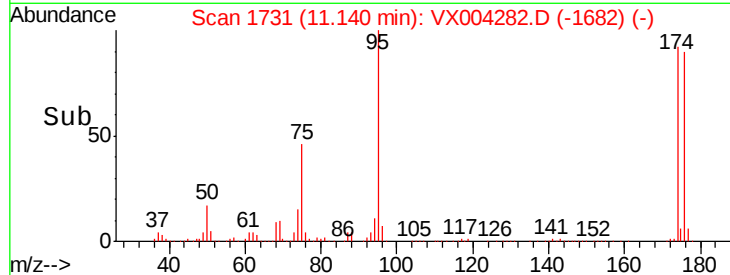
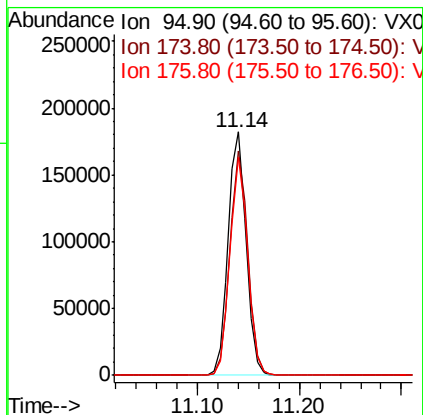
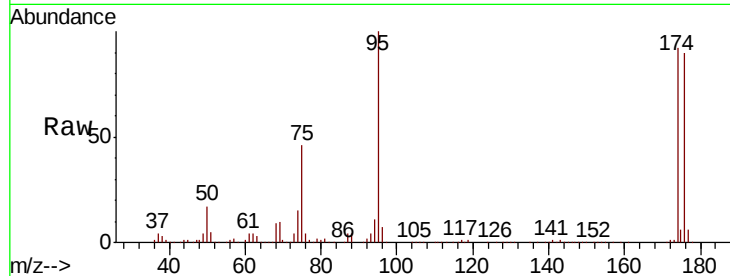




#62
4-Bromofluorobenzene
Concen: 47.01 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004282.D
Acq: 29 Aug 2018 10:30

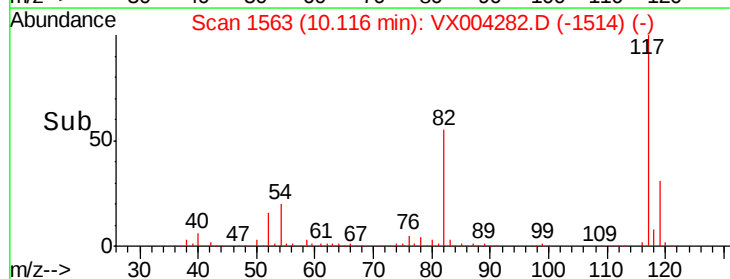
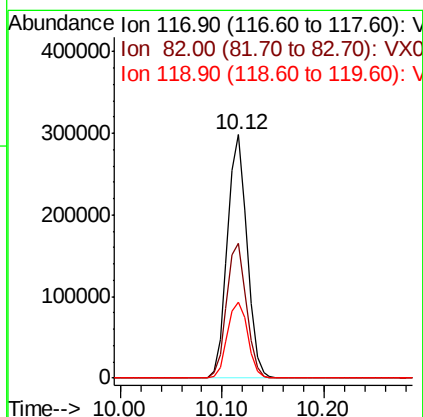
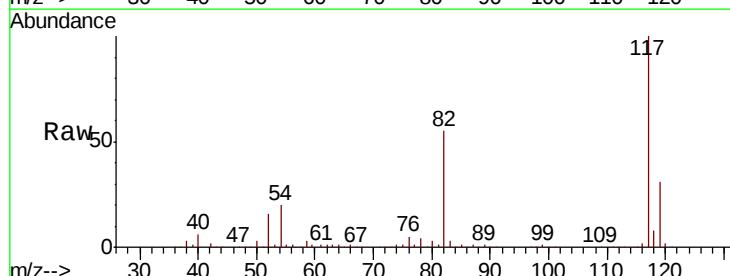
Instrument :
MSVOA_X
ClientSampleId :
TB1-082218

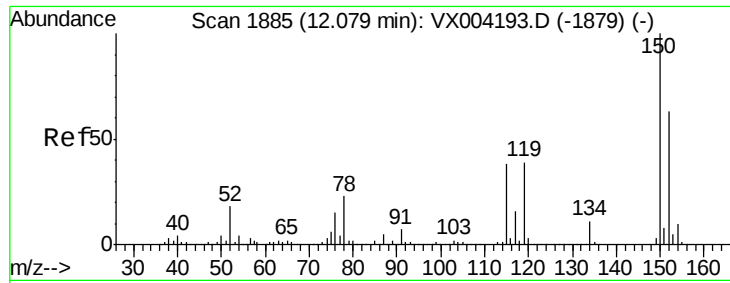
Tot Ion: 95 Resp: 221270
Ion Ratio Lower Upper
95 100
174 91.5 0.0 185.2
176 88.4 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004282.D
Acq: 29 Aug 2018 10:30

Tgt Ion: 117 Resp: 396877
Ion Ratio Lower Upper
117 100
82 55.2 47.8 71.6
119 31.4 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

TB1-082218

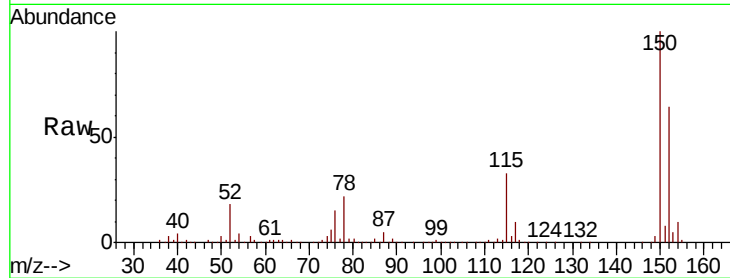
Tot Ion:152 Resp: 224755

Ion Ratio Lower Upper

152 100

115 53.0 39.0 117.0

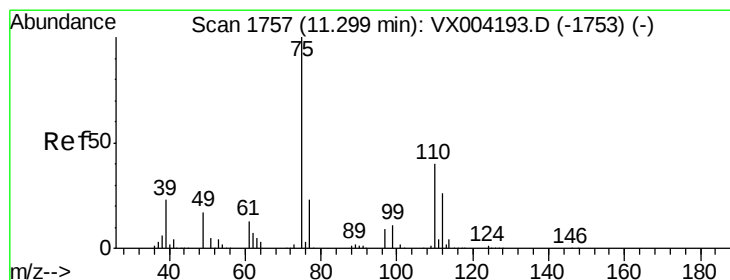
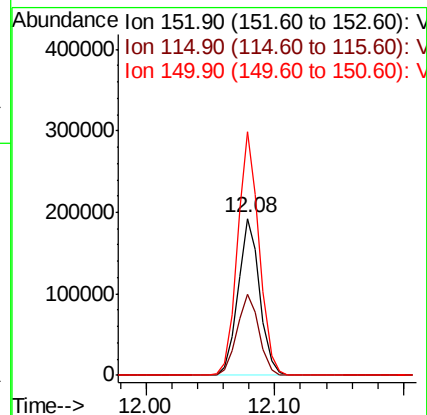
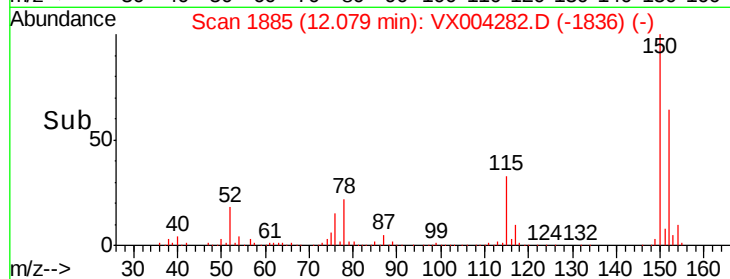
150 154.6 0.0 351.0



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: 23.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004282.D

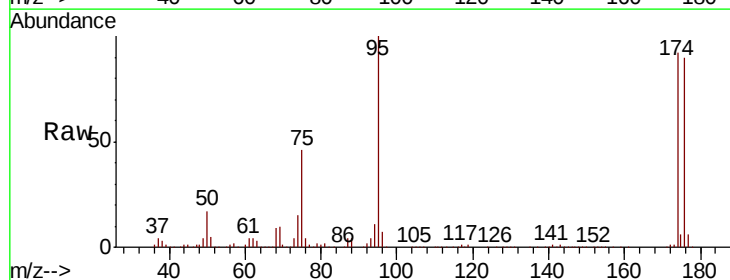
Acq: 29 Aug 2018 10:30

Tgt Ion: 75 Resp: 105984

Ion Ratio Lower Upper

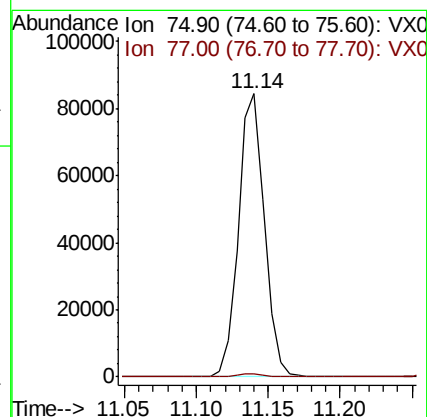
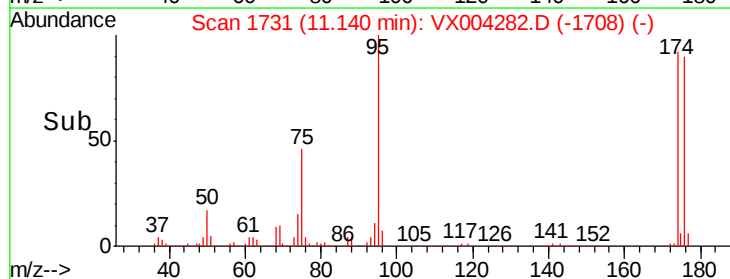
75 100

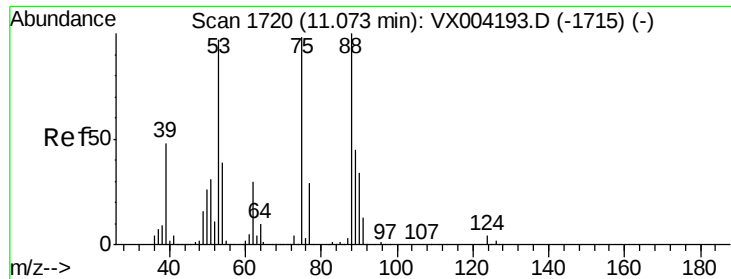
77 1.2 20.2 60.6#



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: 75.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004282.D

Acq: 29 Aug 2018 10:30

Instrument :

MSVOA_X

ClientSampleId :

TB1-082218

Tot Ion: 75 Resp: 105984

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

