

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062718\
 Data File : VX002961.D
 Acq On : 28 Jun 2018 03:06
 Operator : JC/MD
 Sample : J3718-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GUN-HILL-TRIP-BLANK-4-6-22-18

Quant Time: Jun 28 06:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198740	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	180348	49.02	ug/l	0.00
Spiked Amount						
			Recovery	=	98.04%	
35) Dibromofluoromethane	5.51	113	141986	47.71	ug/l	0.00
Spiked Amount						
			Recovery	=	95.42%	
50) Toluene-d8	8.72	98	530740	48.83	ug/l	0.00
Spiked Amount						
			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.14	95	189872	45.30	ug/l	0.00
Spiked Amount						
			Recovery	=	90.60%	

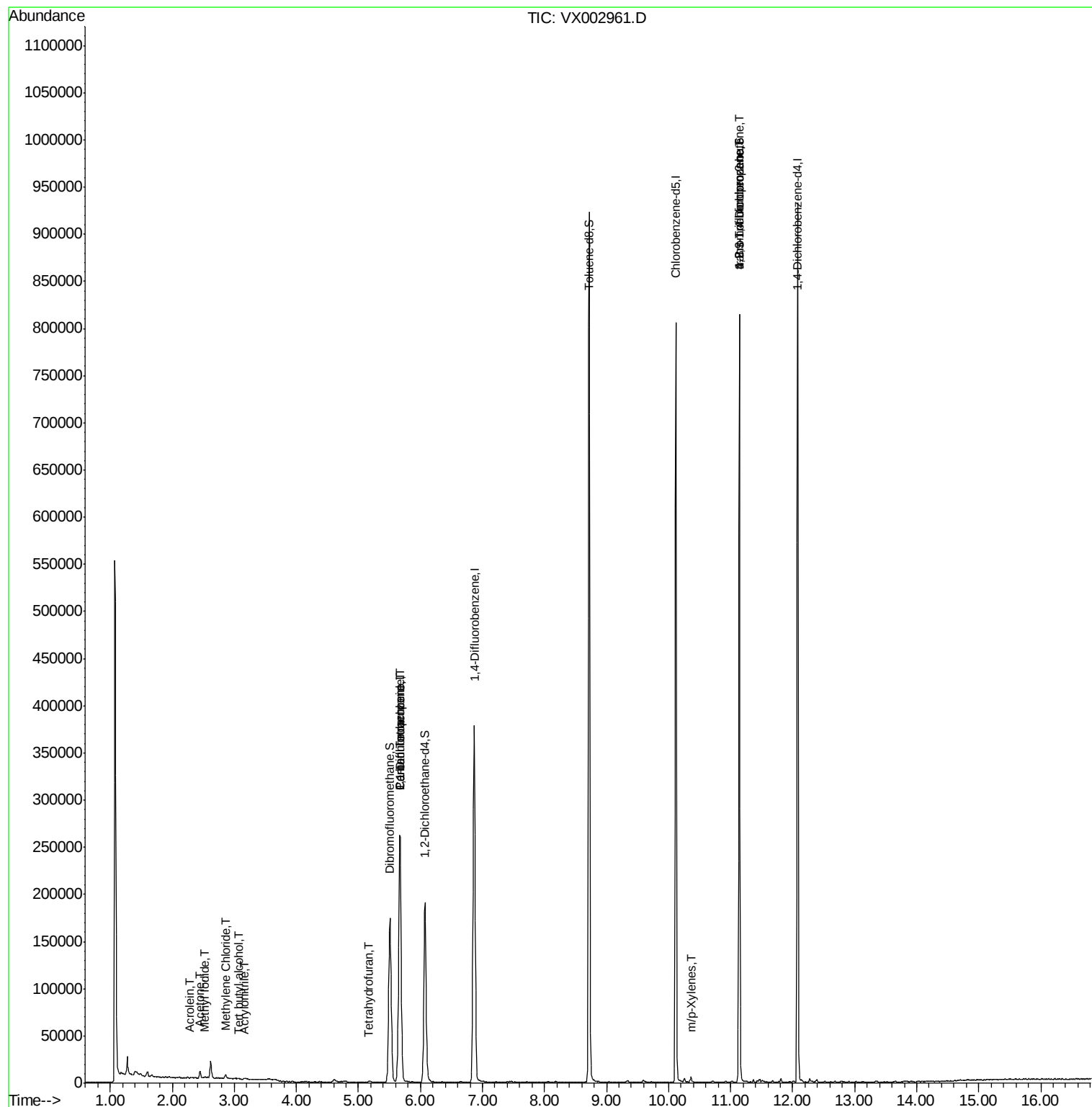
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	82	Below Cal	#	43
3) Chloromethane	1.33	50	855	Below Cal		92
5) Bromomethane	1.61	94	249	Below Cal	#	3
6) Chloroethane	1.72	64	173	Below Cal	#	43
10) Methyl Iodide	2.52	142	1733	6.73	ug/l	97
11) Tert butyl alcohol	3.08	59	218	0.30	ug/l	# 73
13) Acrolein	2.29	56	39	4.32	ug/l	# 14
15) Acrylonitrile	3.15	53	348	0.22	ug/l	# 75
16) Acetone	2.45	43	8177	5.37	ug/l	100
20) Methylene Chloride	2.86	84	1695	0.57	ug/l	# 71
29) Tetrahydrofuran	5.17	42	570	0.39	ug/l	# 40
36) 1,1-Dichloropropene	5.67	75	18348	4.45	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	24044	5.32	ug/l	# 16
68) m/p-Xylenes	10.36	106	1278	0.23	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	98567	27.38	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	98567	77.46	ug/l	# 7

(#) = 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. 0.00 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

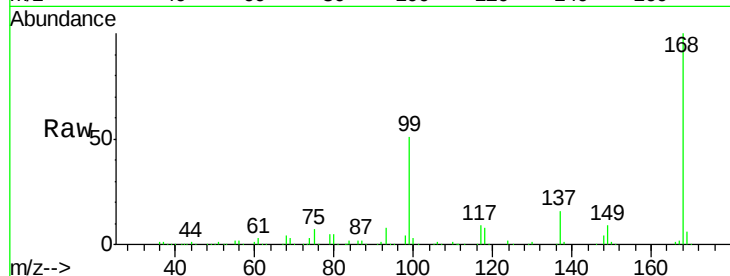
GUN-HILL-TRIP-BLANK-4-6-22-18

Tot Ion:168 Resp: 266170

Ion Ratio Lower Upper

168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

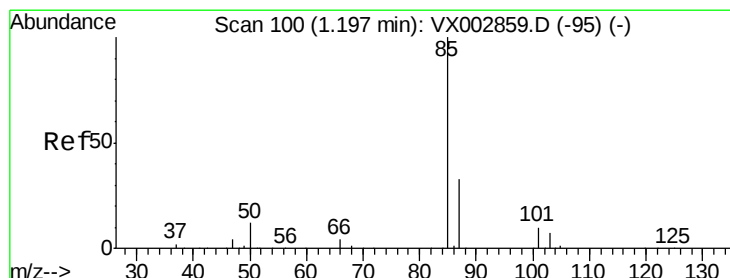
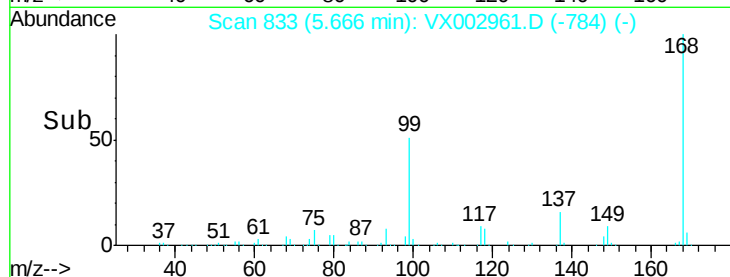
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002961.D

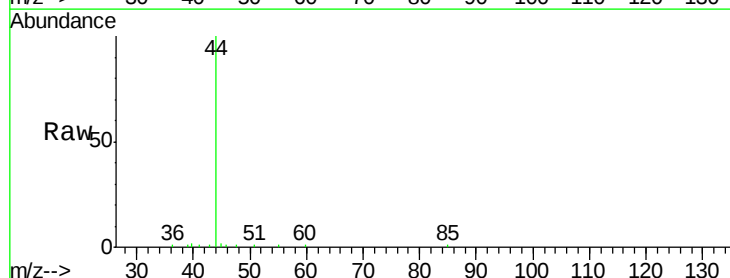
Acq: 28 Jun 2018 03:06

Tgt Ion: 85 Resp: 82

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100

80

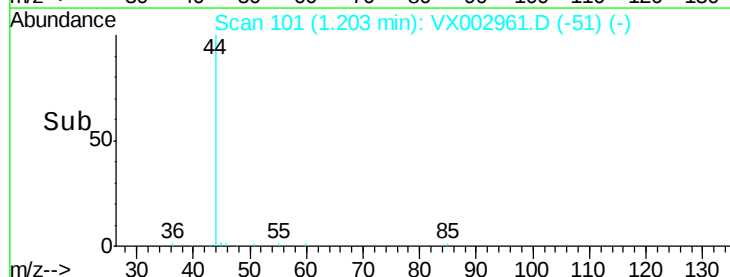
60

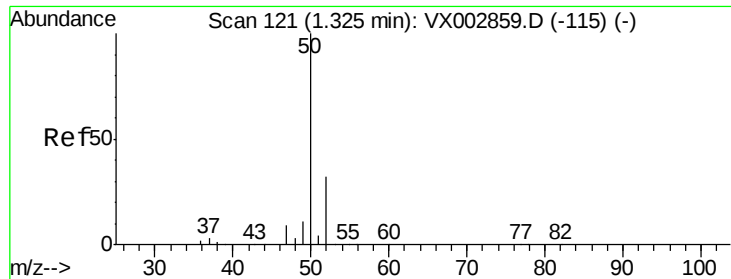
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

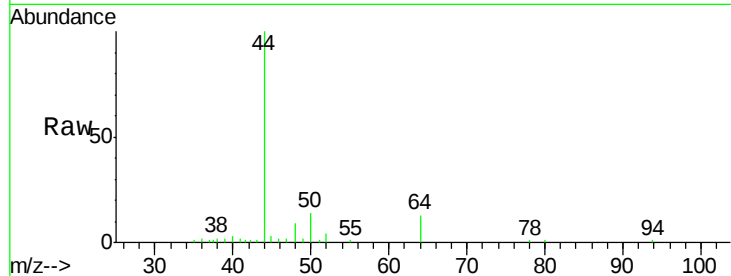
GUN-HILL-TRIP-BLANK-4-6-22-18

Tot Ion: 50 Resp: 855

Ion Ratio Lower Upper

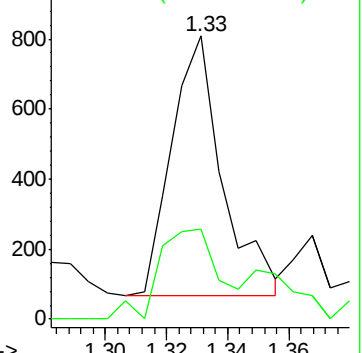
50 100

52 27.8 25.7 38.5

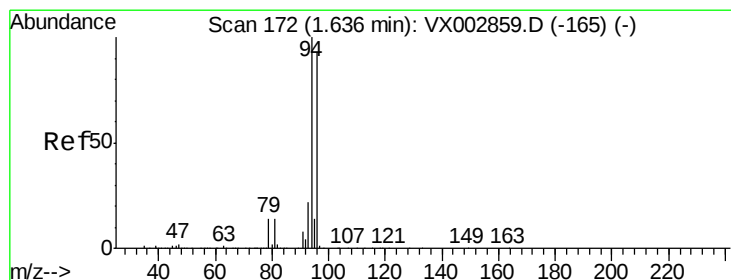
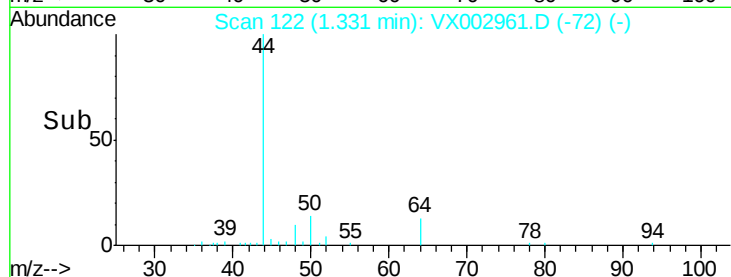


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX002961.D

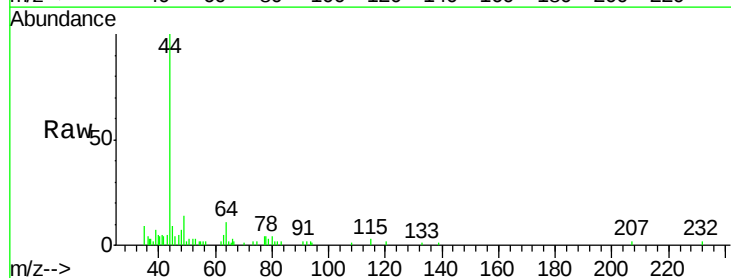
Acq: 28 Jun 2018 03:06

Tgt Ion: 94 Resp: 249

Ion Ratio Lower Upper

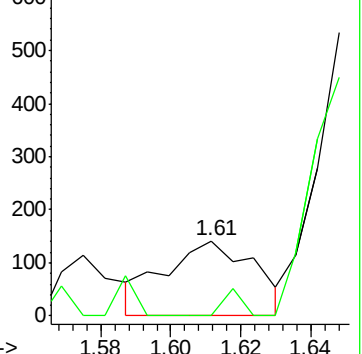
94 100

96 0.0 74.9 112.3#

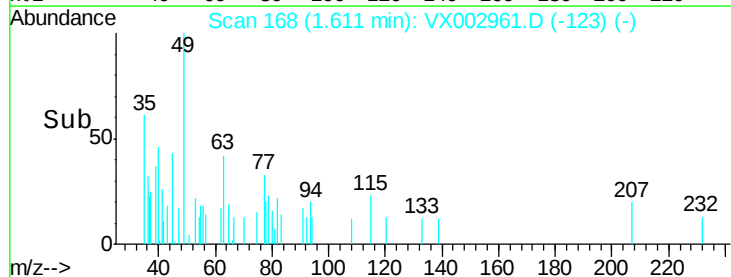


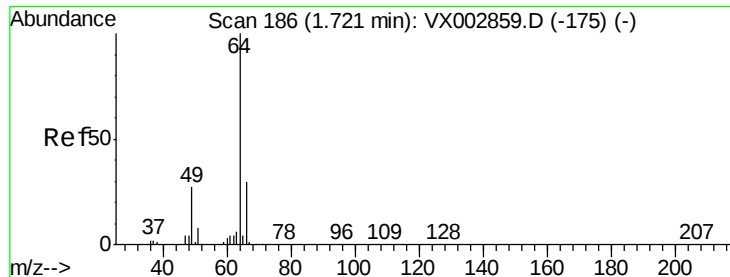
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

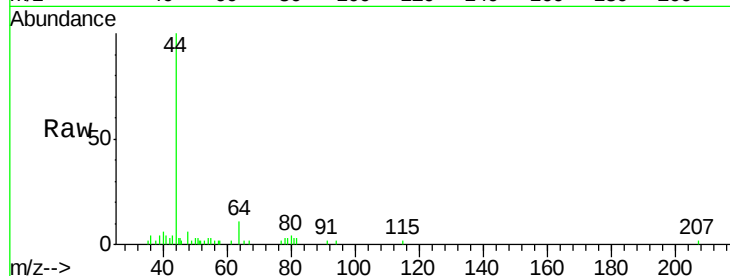
GUN-HILL-TRIP-BLANK-4-6-22-18

Tot Ion: 64 Resp: 173

Ion Ratio Lower Upper

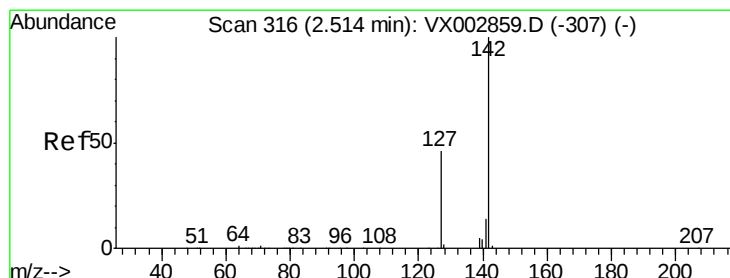
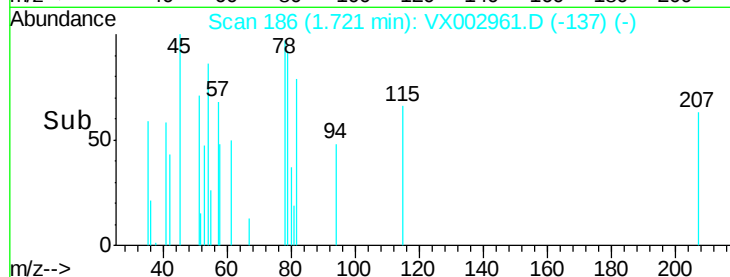
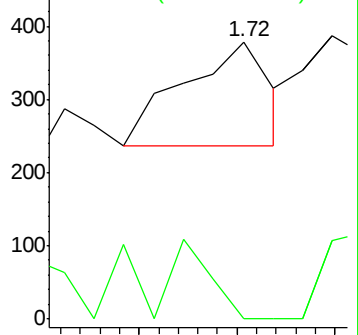
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 6.73 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

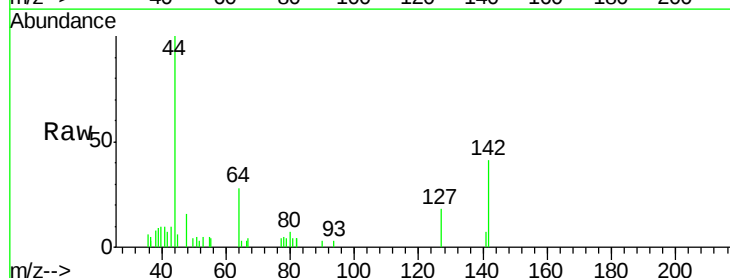
Tgt Ion:142 Resp: 1733

Ion Ratio Lower Upper

142 100

127 44.0 36.6 55.0

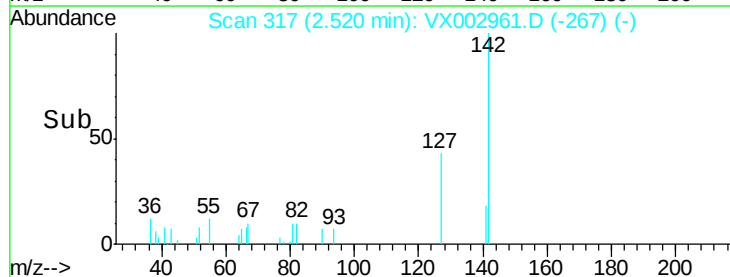
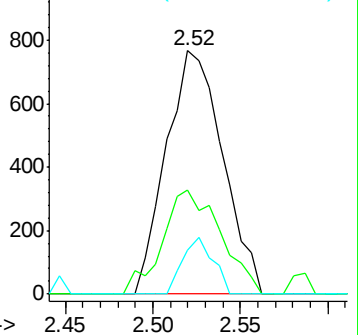
141 12.6 11.3 16.9

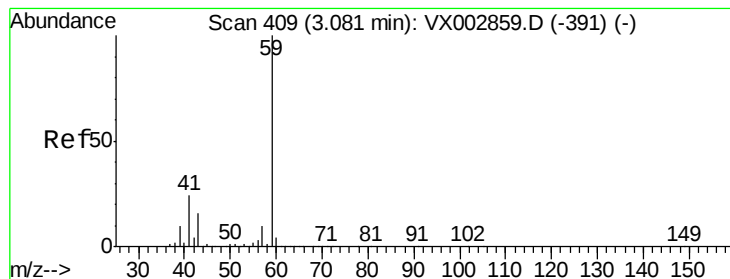


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



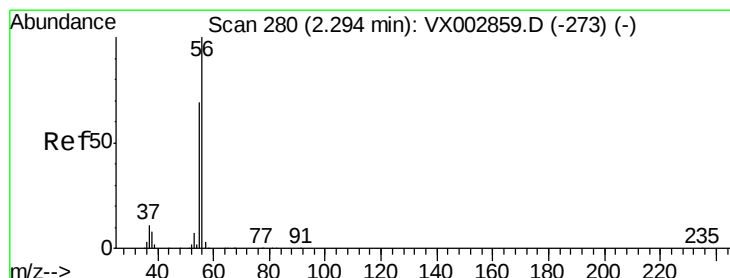
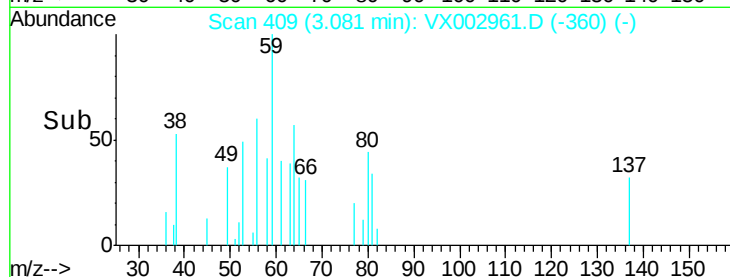
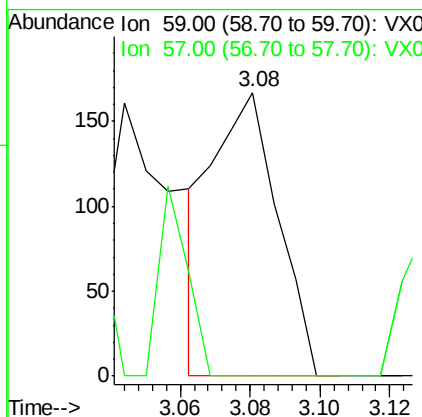
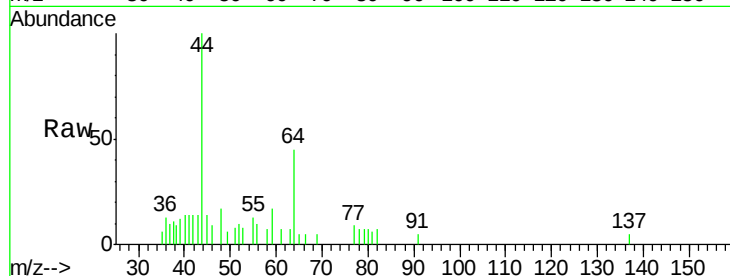


#11

Tert butyl alcohol
 Concen: 0.30 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002961.D
 Acq: 28 Jun 2018 03:06

Instrument :
 MSVOA_X
 ClientSampleId :
 GUN-HILL-TRIP-BLANK-4-6-22-18

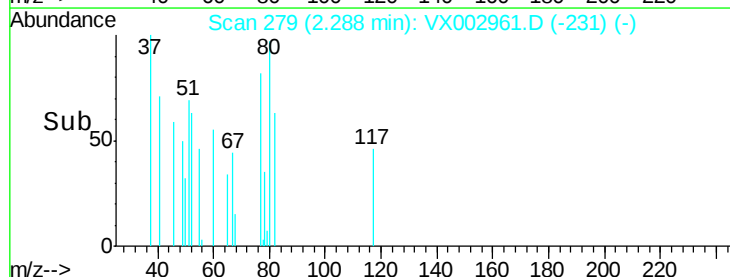
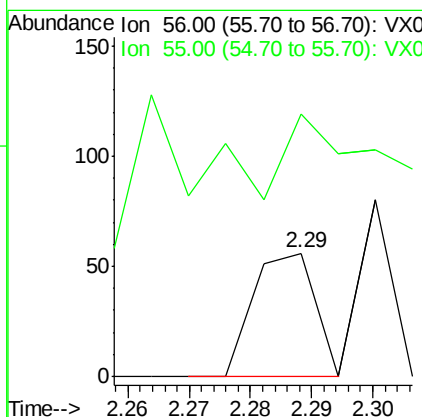
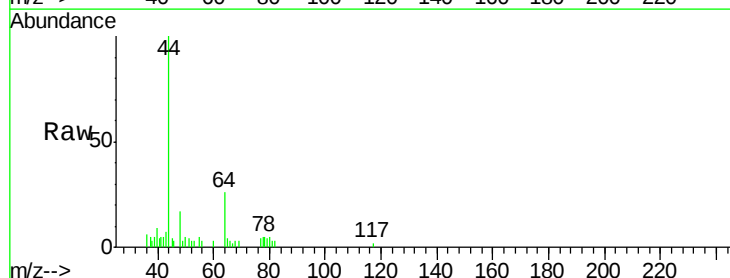
Tot Ion: 59 Resp: 218
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

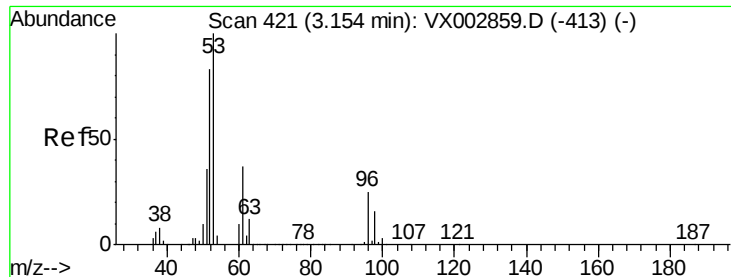


#13

Acrolein
 Concen: 4.32 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX002961.D
 Acq: 28 Jun 2018 03:06

Tgt Ion: 56 Resp: 39
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

GUN-HILL-TRIP-BLANK-4-6-22-18

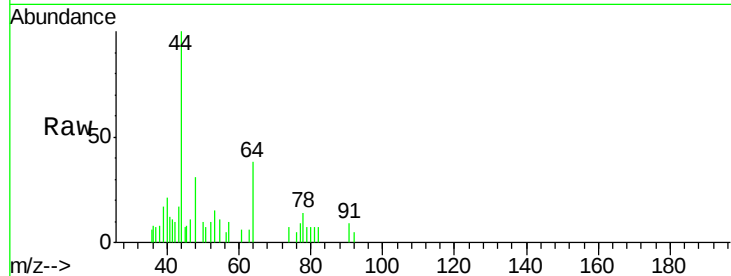
Tot Ion: 53 Resp: 348

Ion Ratio Lower Upper

53 100

52 90.8 66.7 100.1

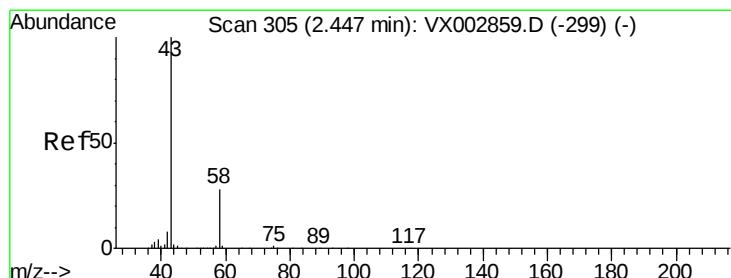
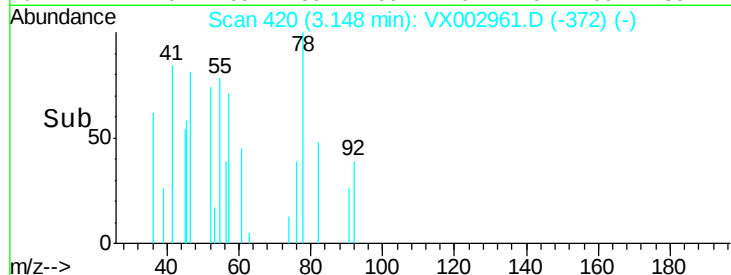
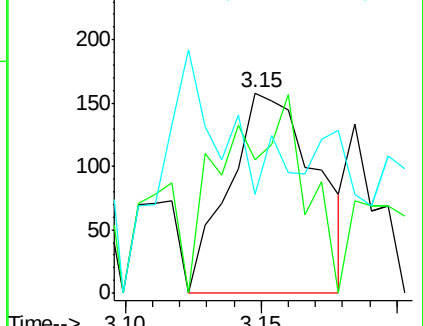
51 0.0 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.37 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX002961.D

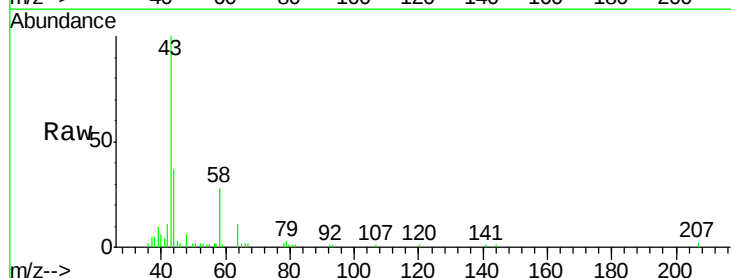
Acq: 28 Jun 2018 03:06

Tgt Ion: 43 Resp: 8177

Ion Ratio Lower Upper

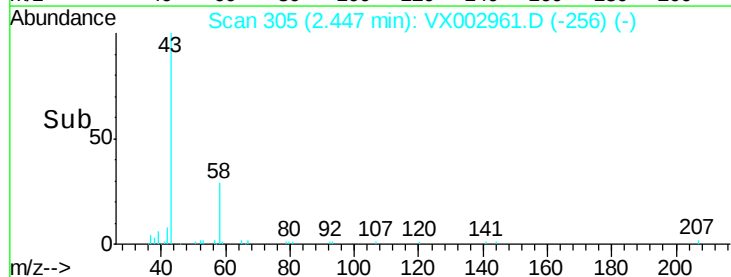
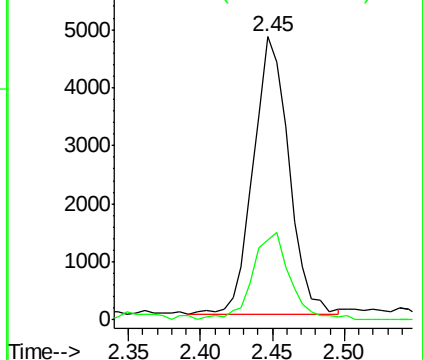
43 100

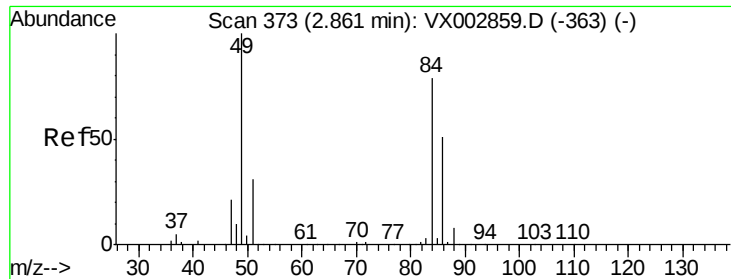
58 27.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

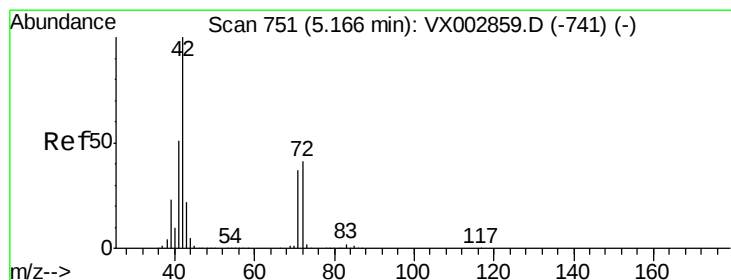
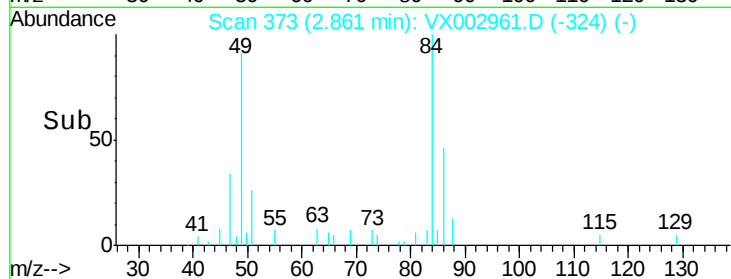
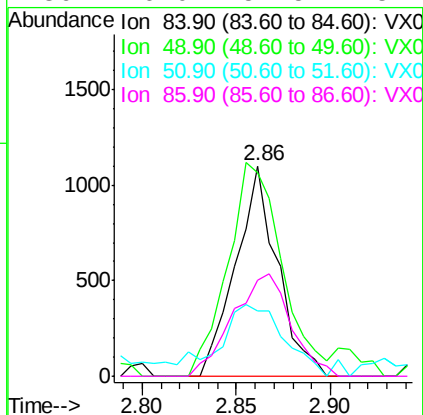
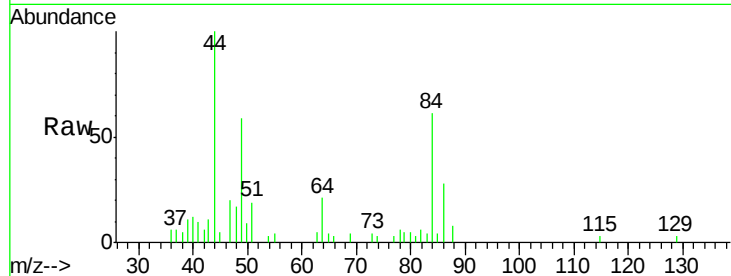




#20
Methvlene Chloride
Concen: 0.57 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002961.D
Acq: 28 Jun 2018 03:06

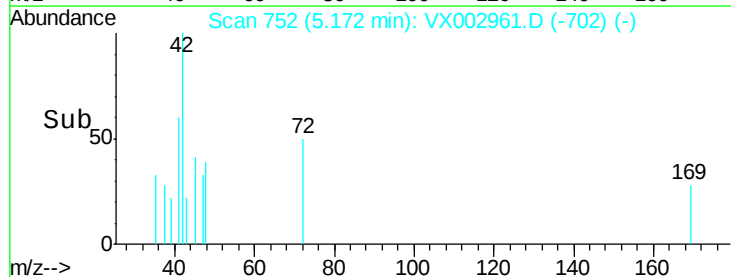
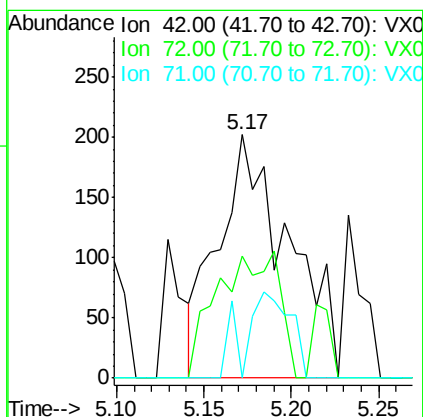
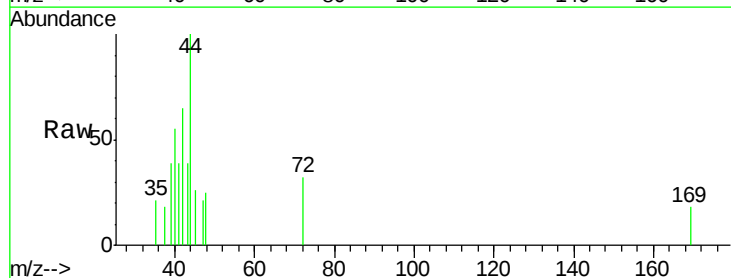
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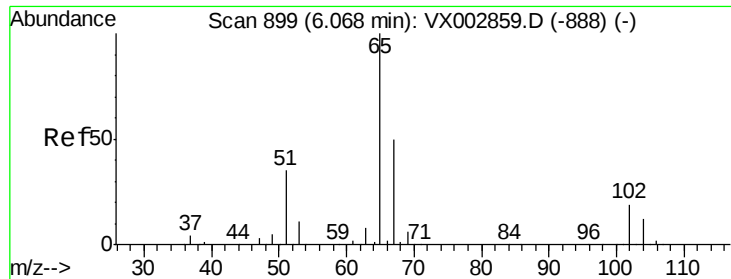
Tot Ion: 84 Resp: 1695
Ion Ratio Lower Upper
84 100
49 96.5 107.8 161.6#
51 23.3 32.8 49.2#
86 46.0 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.39 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002961.D
Acq: 28 Jun 2018 03:06

Tgt Ion: 42 Resp: 570
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 4.0 30.1 45.1#

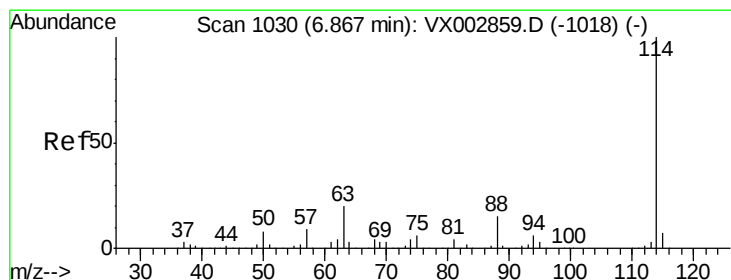
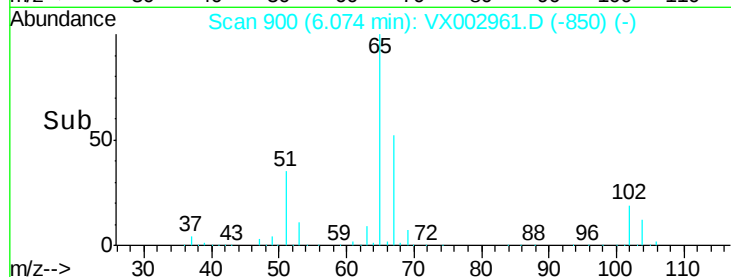
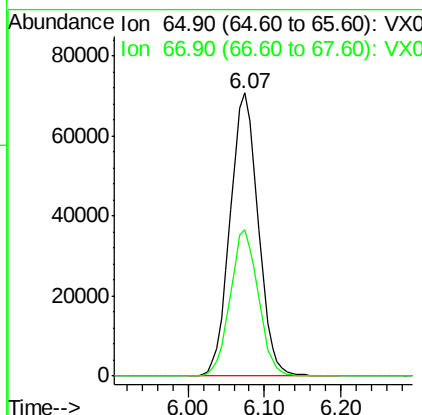
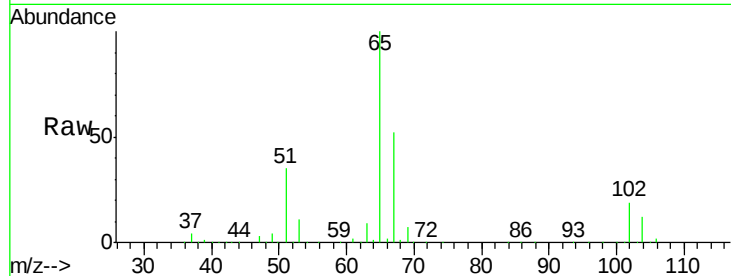




#33
 1,2-Dichloroethane-d4
 Concen: 49.02 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002961.D
 Acq: 28 Jun 2018 03:06

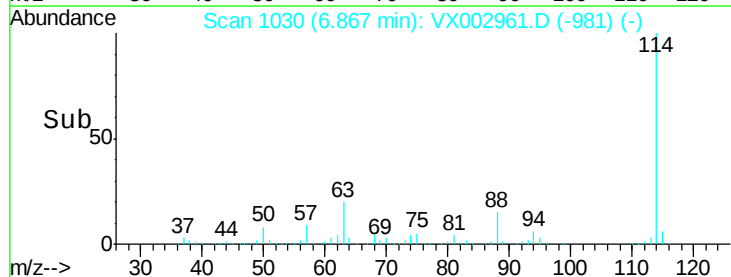
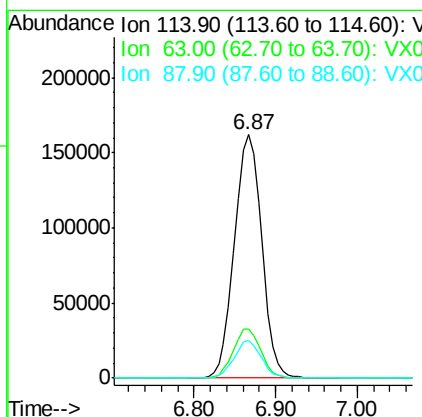
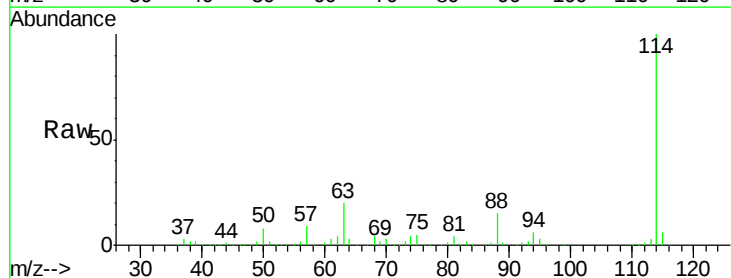
Instrument :
 MSVOA_X
 ClientSampleId :
 GUN-HILL-TRIP-BLANK-4-6-22-18

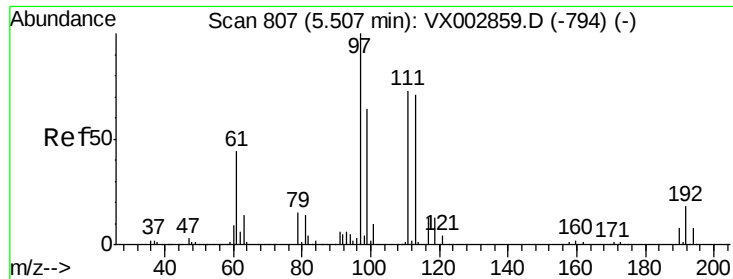
Tot Ion: 65 Resp: 180348
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002961.D
 Acq: 28 Jun 2018 03:06

Tgt Ion: 114 Resp: 375838
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.71 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

GUN-HILL-TRIP-BLANK-4-6-22-18

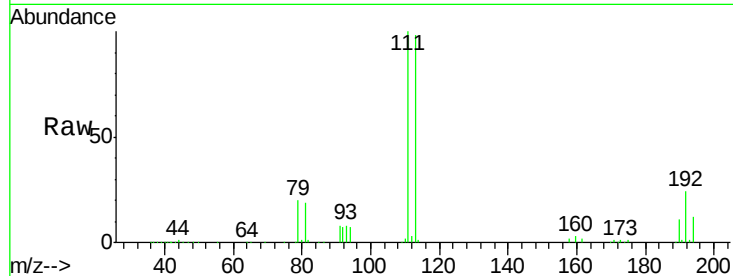
Tot Ion:113 Resp: 141986

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

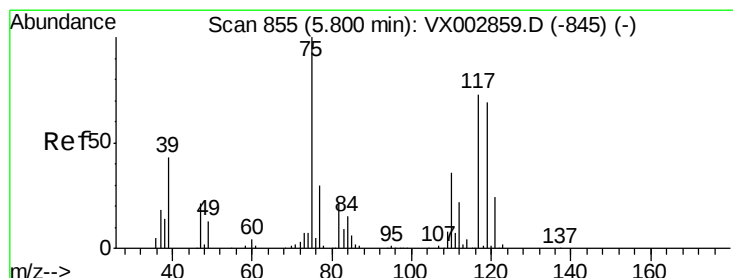
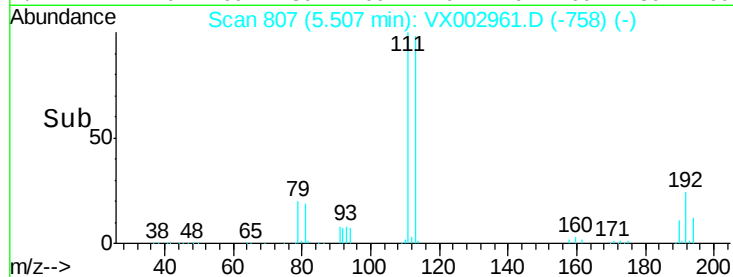
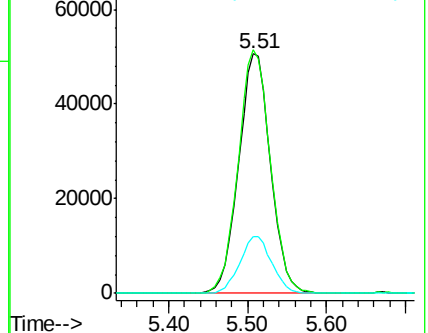
192 24.0 19.1 28.7



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: 4.45 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

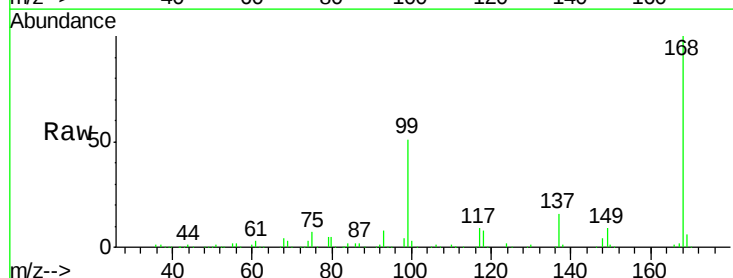
Tgt Ion: 75 Resp: 18348

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

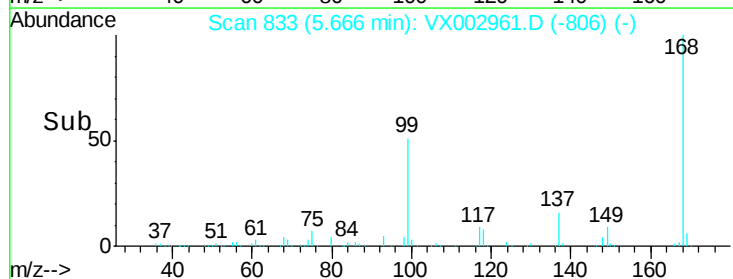
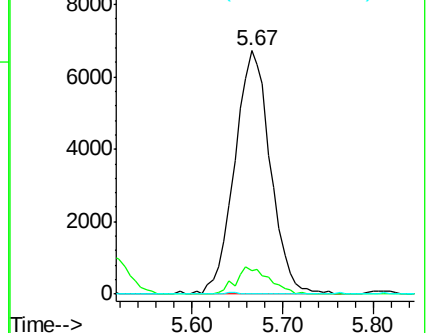
77 0.2 24.3 36.5#

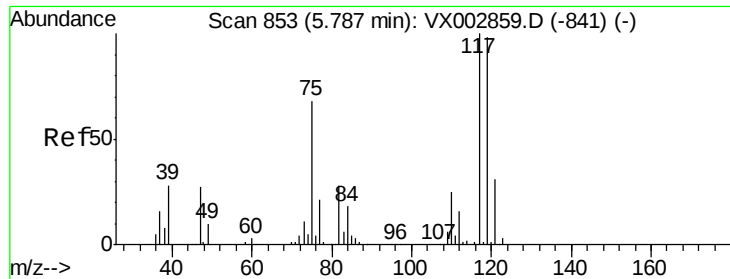


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

GUN-HILL-TRIP-BLANK-4-6-22-18

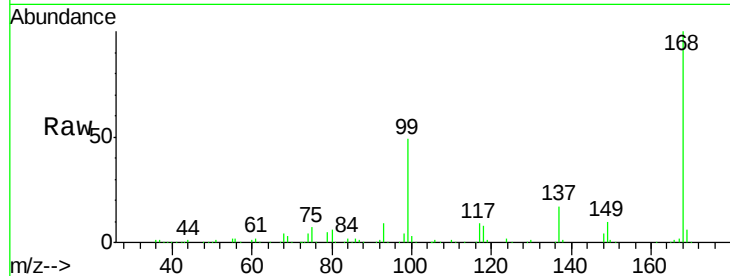
Tot Ion:117 Resp: 24044

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

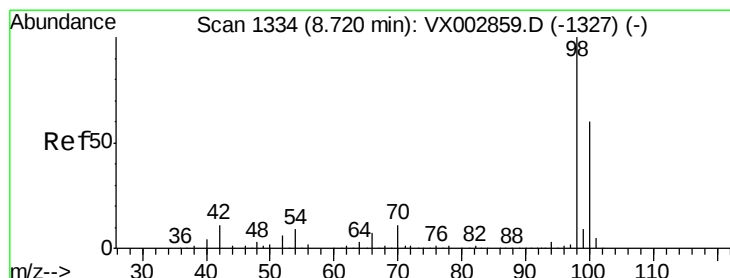
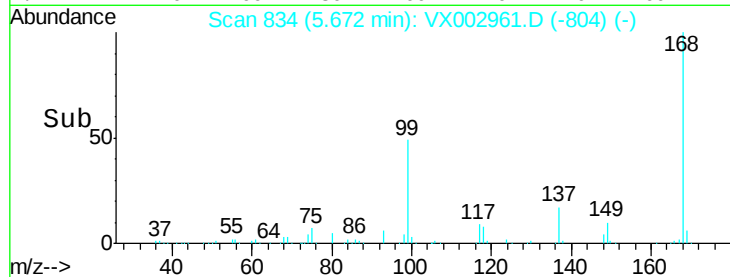
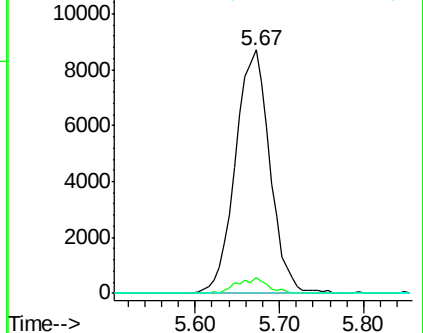
121 0.0 24.4 36.6#



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: 48.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002961.D

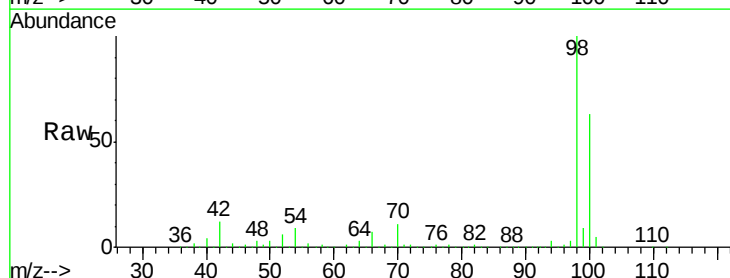
Acq: 28 Jun 2018 03:06

Tgt Ion: 98 Resp: 530740

Ion Ratio Lower Upper

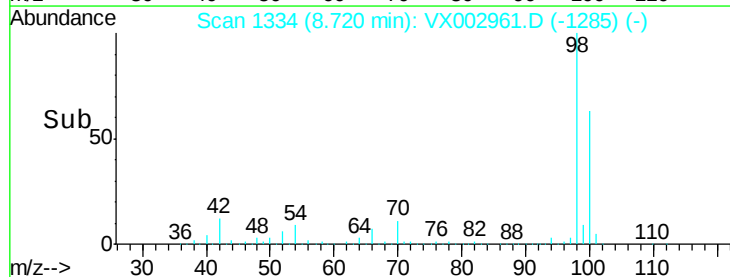
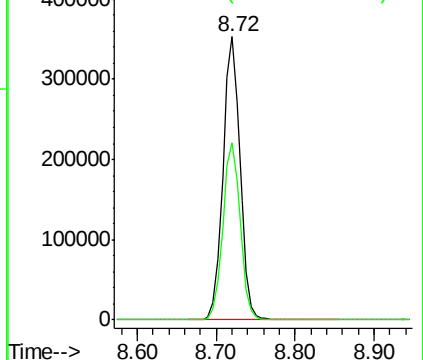
98 100

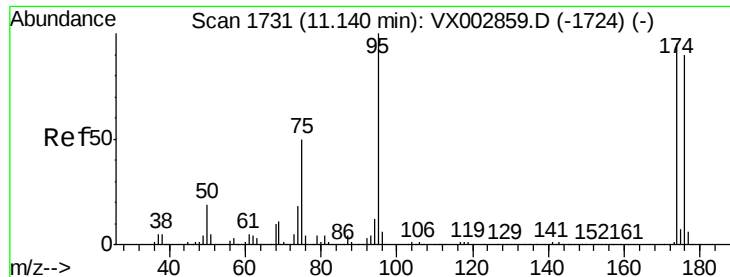
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

GUN-HILL-TRIP-BLANK-4-6-22-18

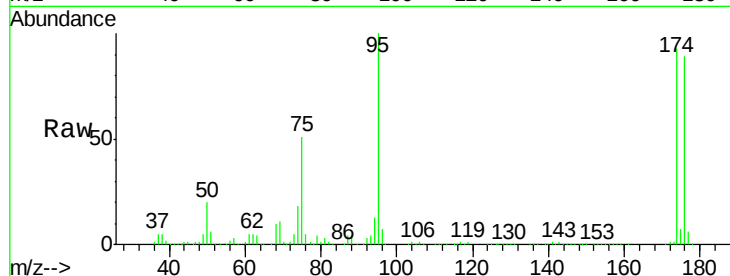
Tot Ion: 95 Resp: 189872

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

176 91.5 0.0 181.0

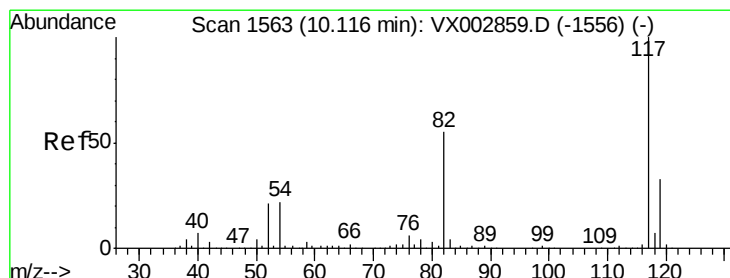
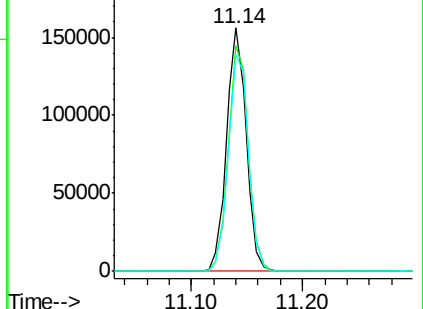
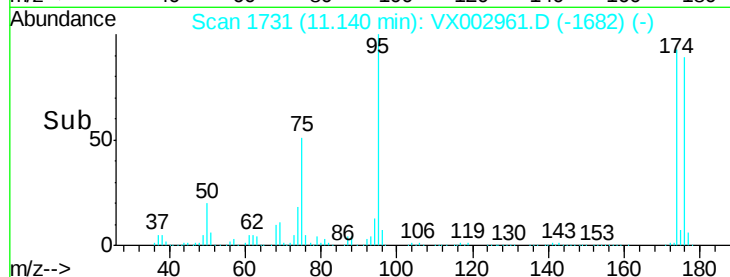


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

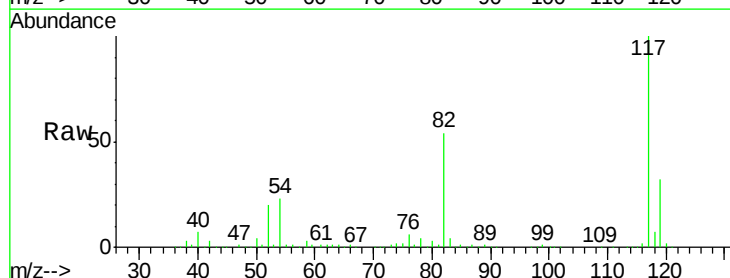
Tgt Ion: 117 Resp: 350662

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

119 32.5 25.8 38.6

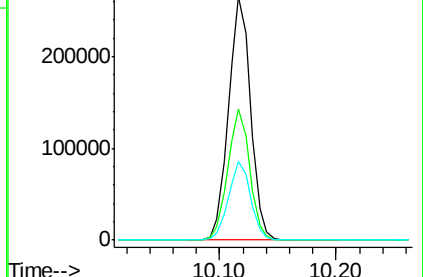
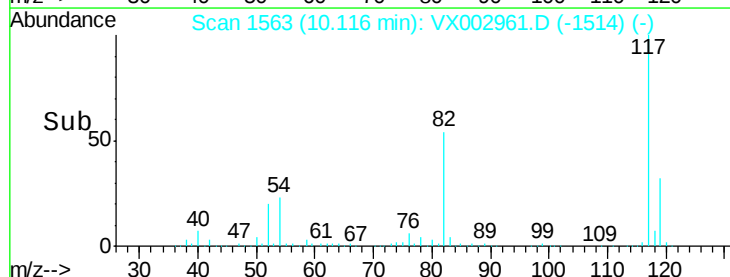


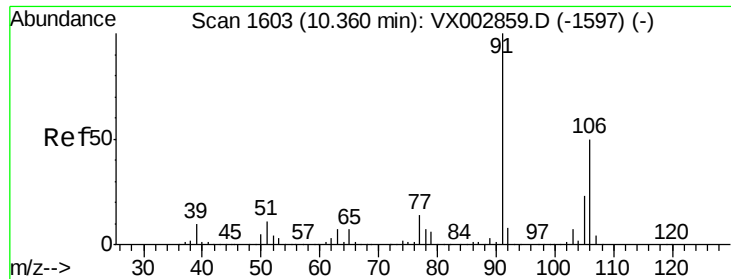
Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

Time-->

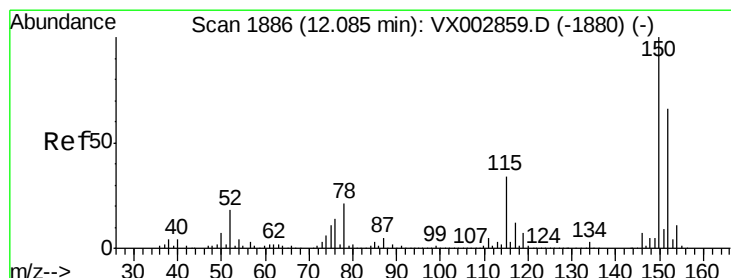
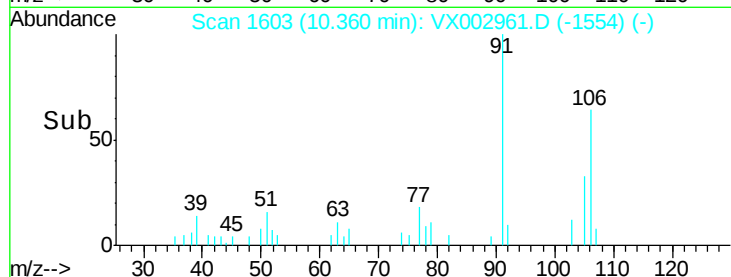
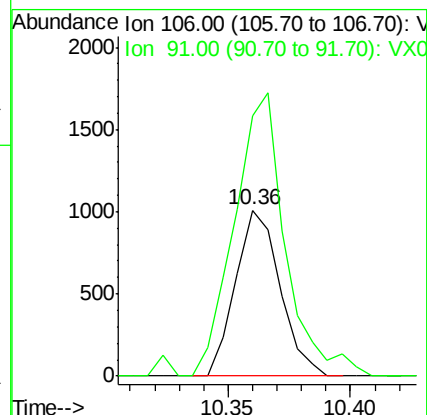
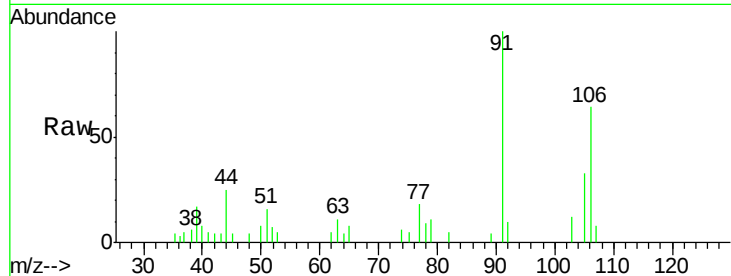




#68
m/p-Xvlenes
Concen: 0.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002961.D
Acq: 28 Jun 2018 03:06

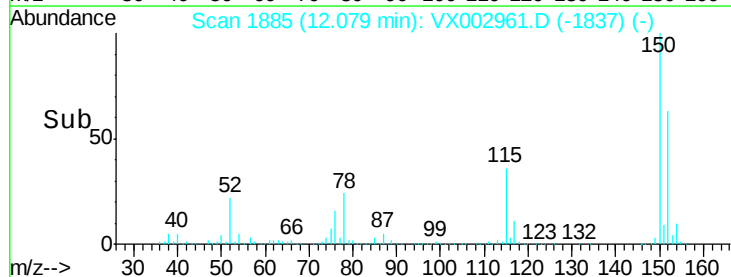
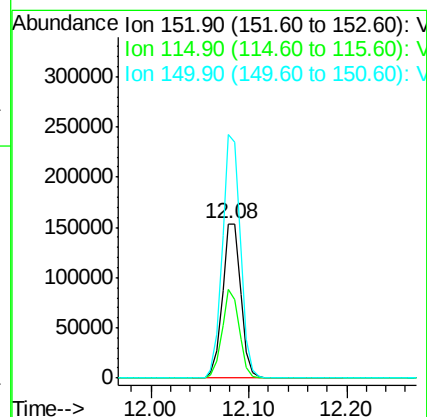
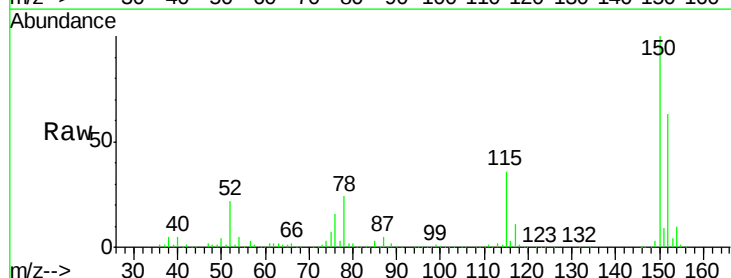
Instrument :
MSVOA_X
ClientSampleId :
GUN-HILL-TRIP-BLANK-4-6-22-18

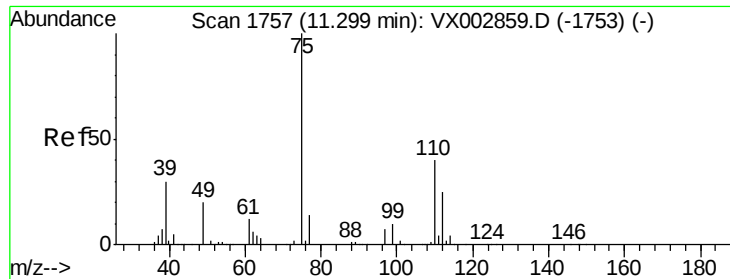
Tot Ion:106 Resp: 1278
Ion Ratio Lower Upper
106 100
91 196.1 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002961.D
Acq: 28 Jun 2018 03:06

Tgt Ion:152 Resp: 198740
Ion Ratio Lower Upper
152 100
115 54.0 40.1 120.2
150 156.2 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 27.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

Instrument :

MSVOA_X

ClientSampleId :

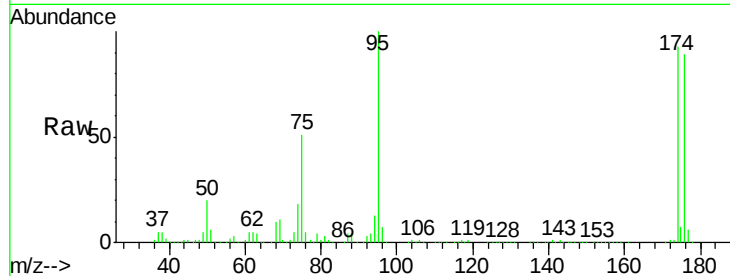
GUN-HILL-TRIP-BLANK-4-6-22-18

Tot Ion: 75 Resp: 98567

Ion Ratio Lower Upper

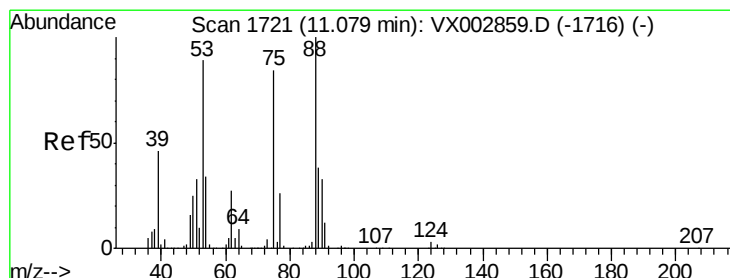
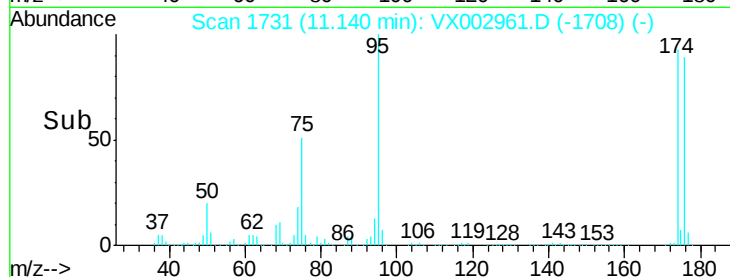
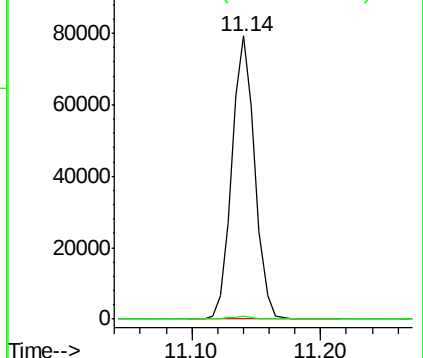
75 100

77 1.0 22.8 68.3#



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: 77.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002961.D

Acq: 28 Jun 2018 03:06

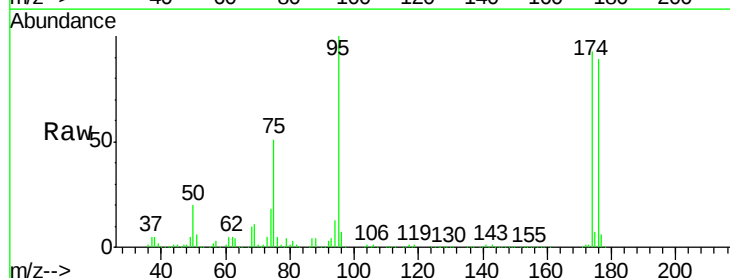
Tgt Ion: 75 Resp: 98567

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

