

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062518\
 Data File : VX002879.D
 Acq On : 26 Jun 2018 00:21
 Operator : JC/MD
 Sample : J3705-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GUNHILL-TRIPBLANK-3-6-21-18

Quant Time: Jun 27 05:28:51 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	247686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187190	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	168331	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	133764	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.72	98	491696	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.14	95	175422	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

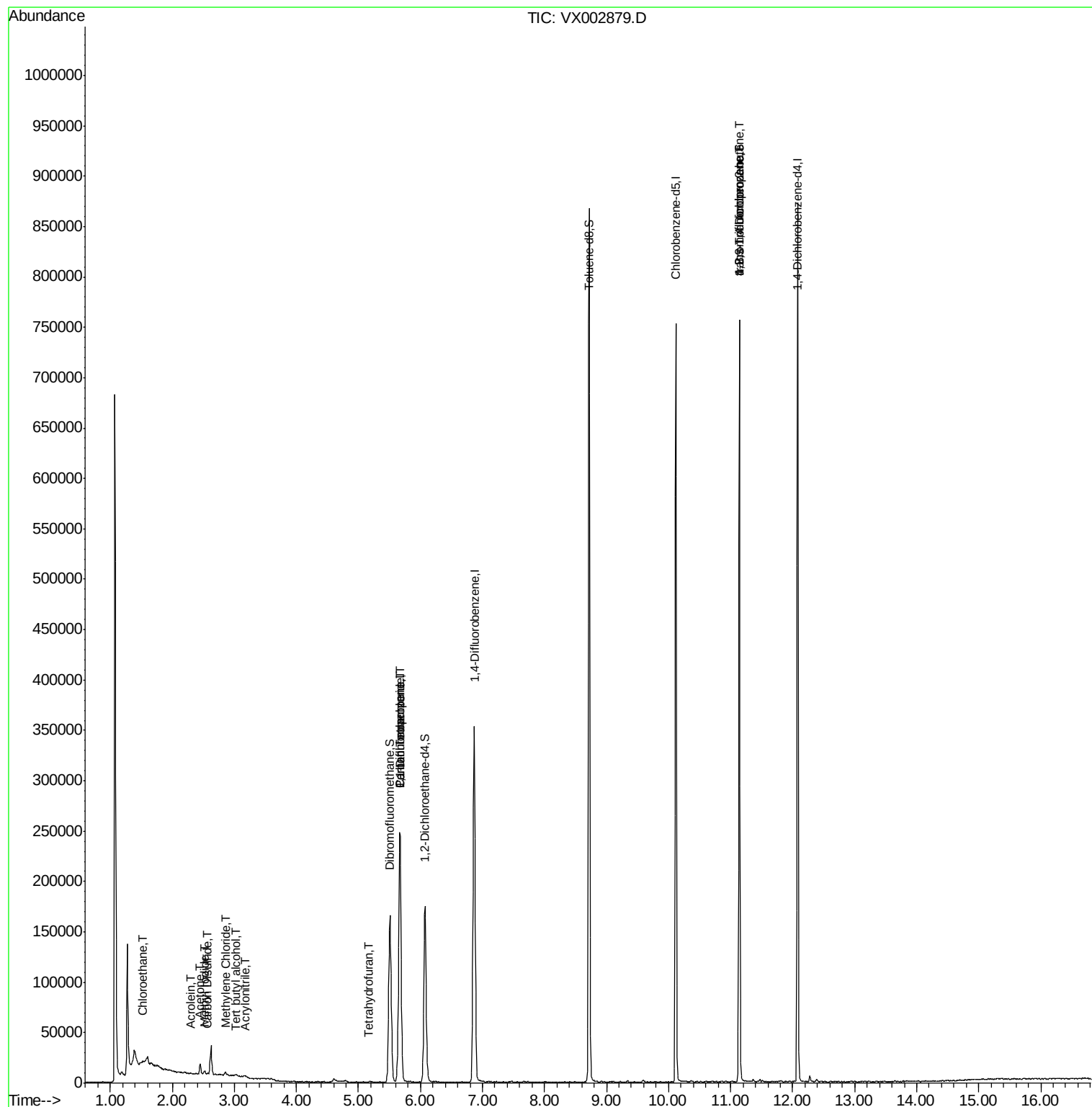
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	108	Below Cal	#	43
3) Chloromethane	1.32	50	1159	Below Cal		94
5) Bromomethane	1.67	94	1790	Below Cal		81
6) Chloroethane	1.53	64	6121	1.68	ug/l #	44
10) Methyl Iodide	2.53	142	3668	7.38	ug/l	98
11) Tert butyl alcohol	3.02	59	1405	2.06	ug/l #	82
13) Acrolein	2.30	56	170	4.67	ug/l #	14
15) Acrylonitrile	3.16	53	485	0.33	ug/l #	57
16) Acetone	2.45	43	11061	7.80	ug/l	93
17) Carbon Disulfide	2.57	76	2172	0.33	ug/l #	81
20) Methylene Chloride	2.86	84	1373	0.50	ug/l	90
29) Tetrahydrofuran	5.16	42	405	0.30	ug/l #	36
36) 1,1-Dichloropropene	5.66	75	17075	4.45	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22714	5.40	ug/l #	14
76) 1,2,3-Trichloropropane	11.14	75	92022	27.14	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92022	76.81	ug/l #	7

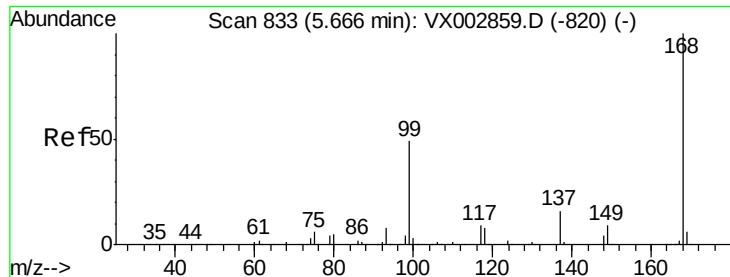
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampleId :

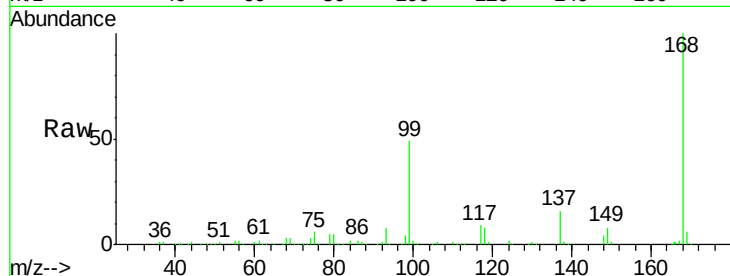
GUNHILL-TRIPBLANK-3-6-21-18

Tot Ion:168 Resp: 247686

Ion Ratio Lower Upper

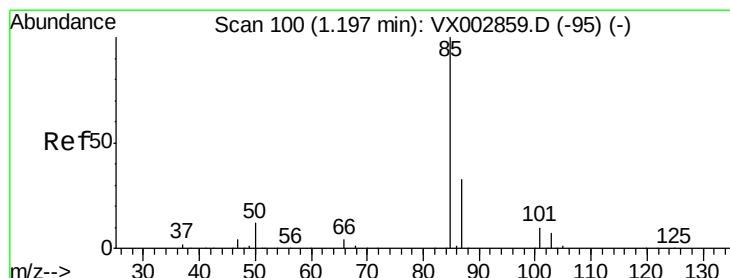
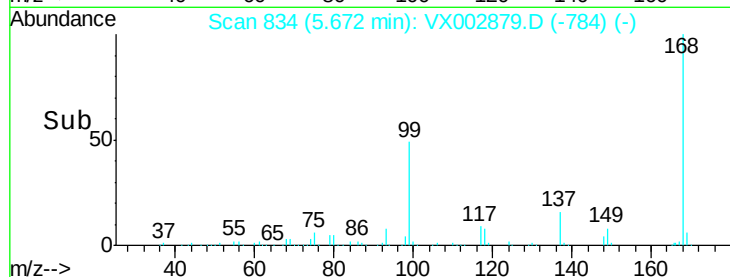
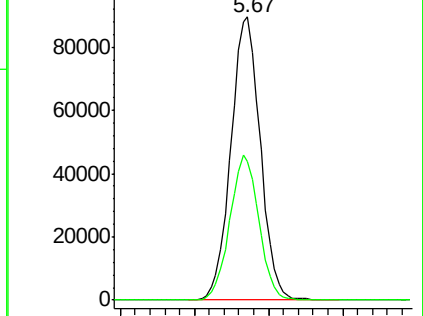
168 100

99 48.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002879.D

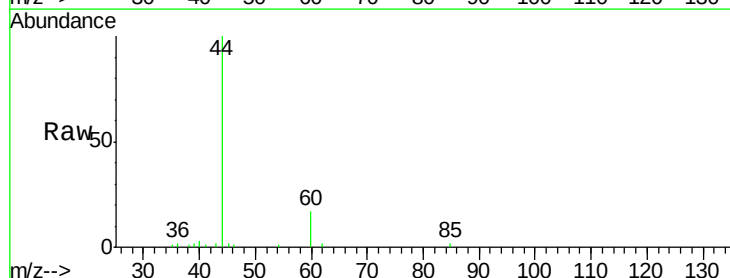
Acq: 26 Jun 2018 00:21

Tgt Ion: 85 Resp: 108

Ion Ratio Lower Upper

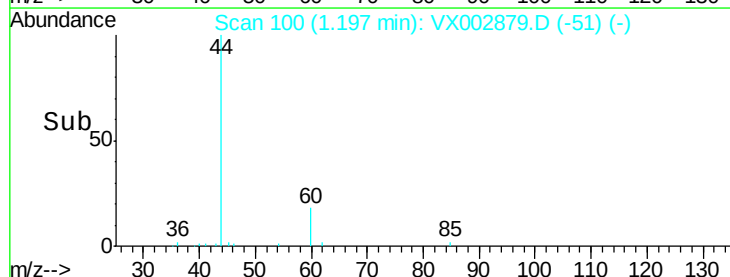
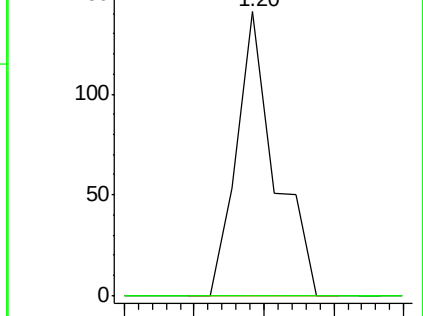
85 100

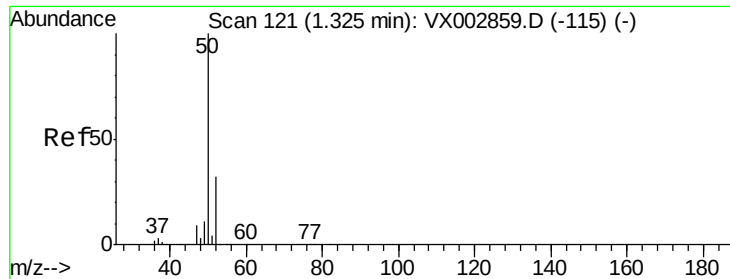
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampleId :

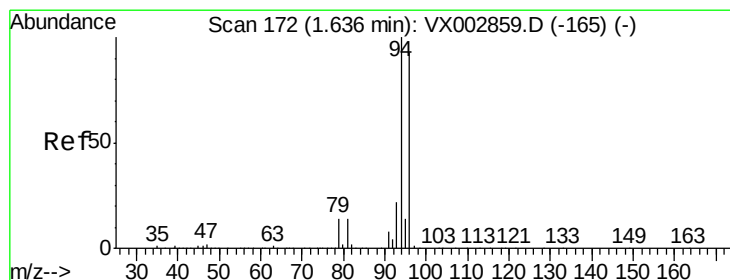
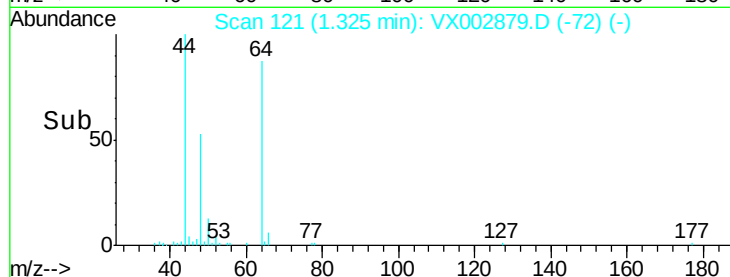
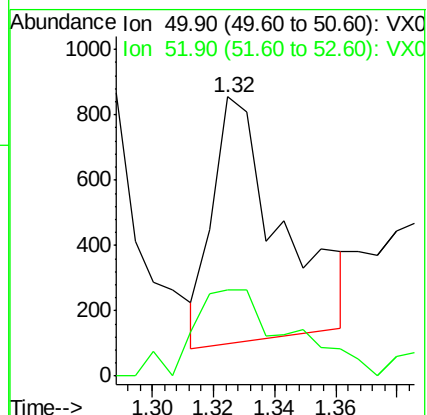
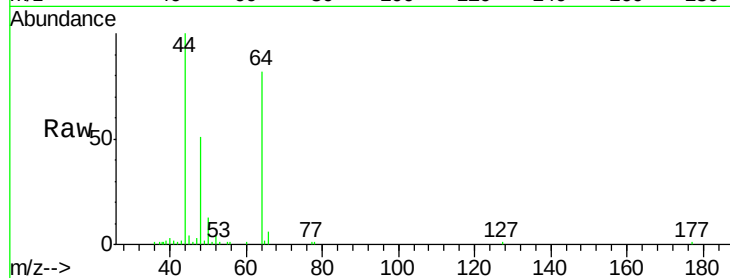
GUNHILL-TRIPBLANK-3-6-21-18

Tot Ion: 50 Resp: 1159

Ion Ratio Lower Upper

50 100

52 28.7 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002879.D

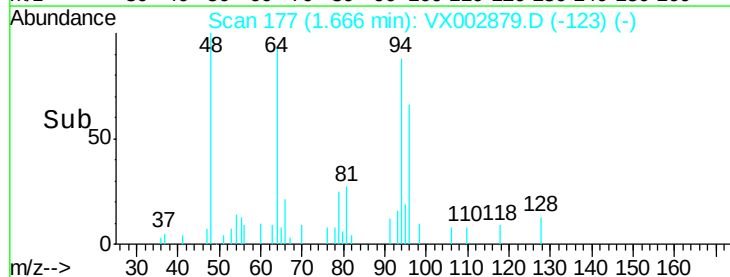
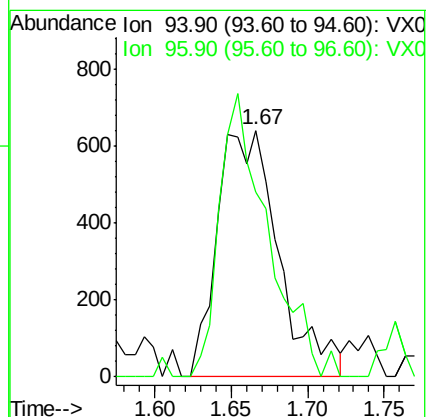
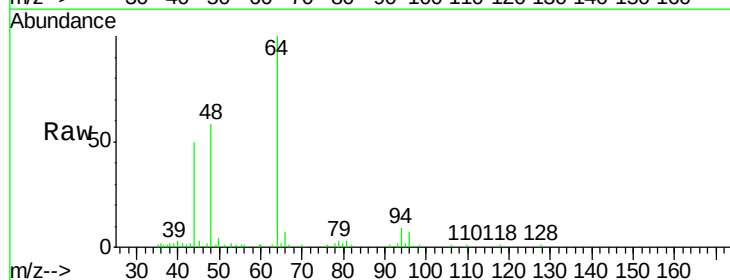
Acq: 26 Jun 2018 00:21

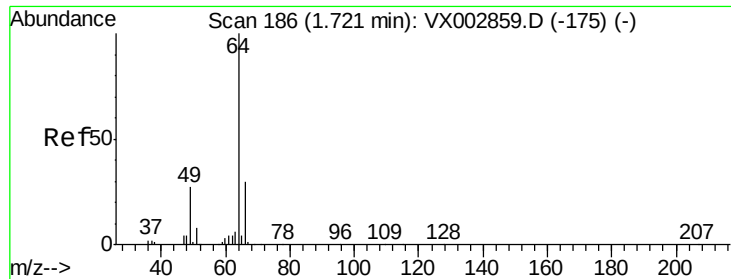
Tgt Ion: 94 Resp: 1790

Ion Ratio Lower Upper

94 100

96 75.2 74.9 112.3





#6

Chloroethane

Concen: 1.68 ug/l

RT: 1.53 min Scan# 154

Delta R.T. -0.20 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampleId :

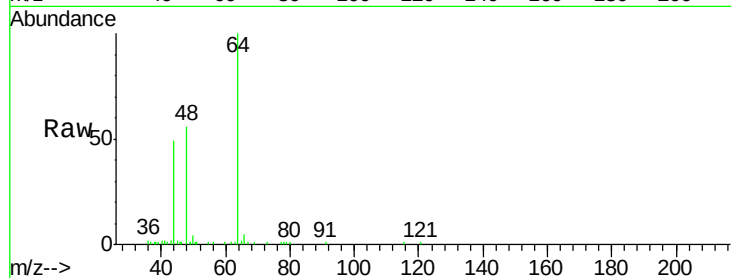
GUNHILL-TRIPBLANK-3-6-21-18

Tot Ion: 64 Resp: 6121

Ion Ratio Lower Upper

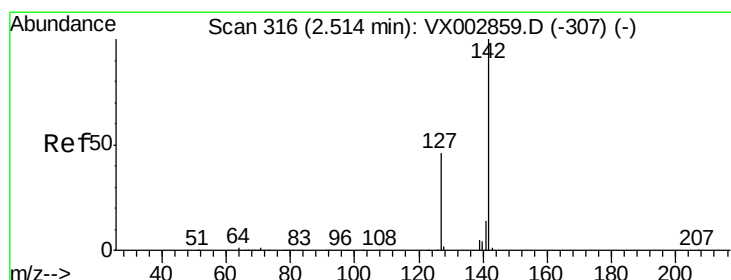
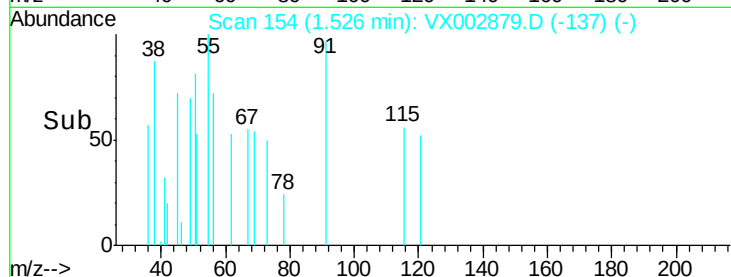
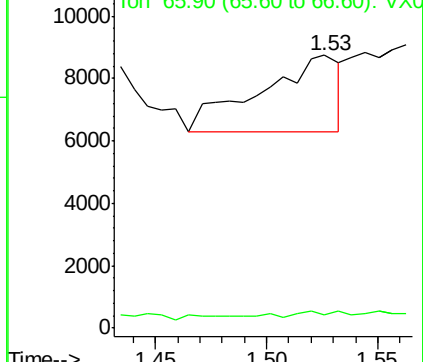
64 100

66 0.7 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: 7.38 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

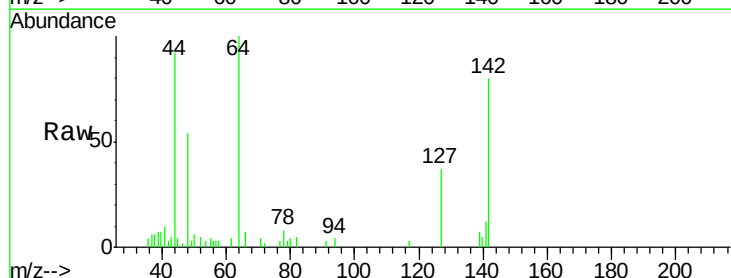
Tgt Ion: 142 Resp: 3668

Ion Ratio Lower Upper

142 100

127 46.1 36.6 55.0

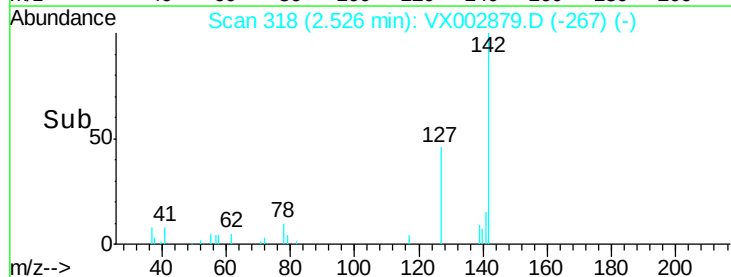
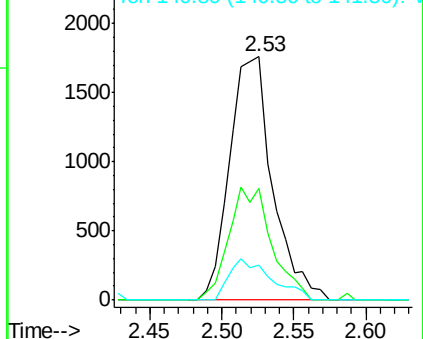
141 16.7 11.3 16.9

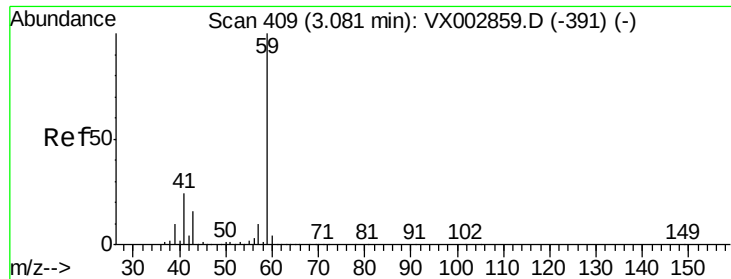


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

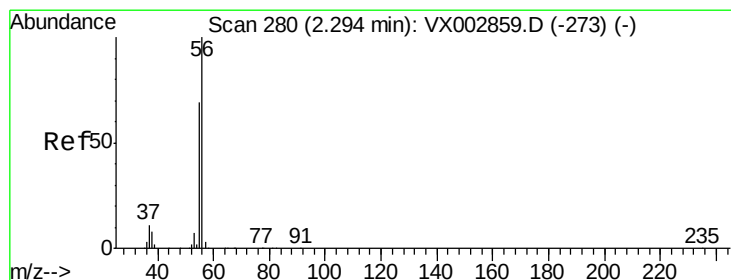
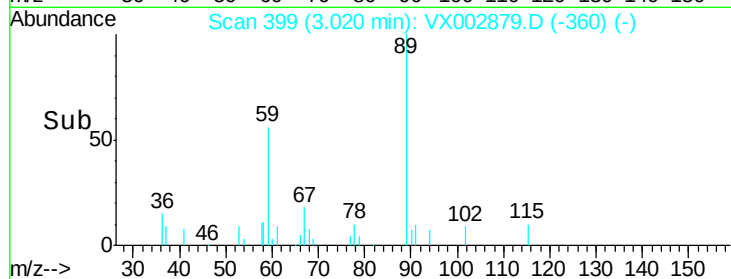
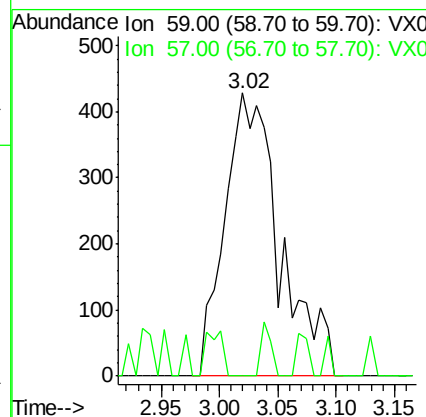
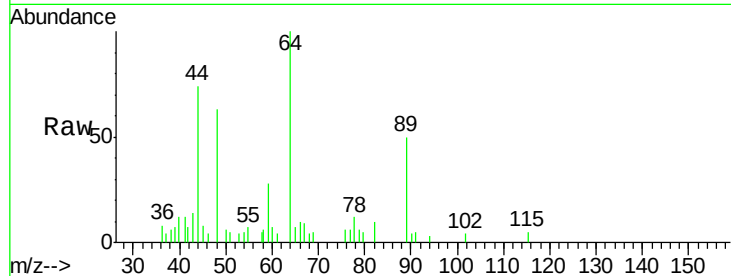




#11
Tert butyl alcohol
Concen: 2.06 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

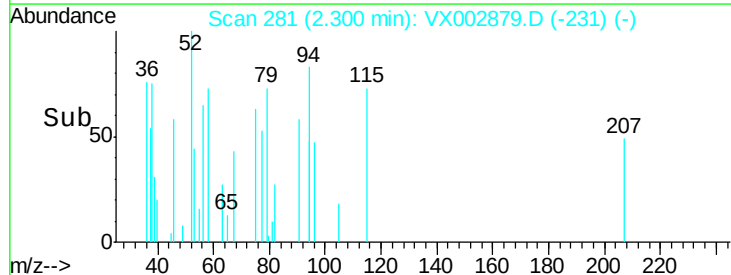
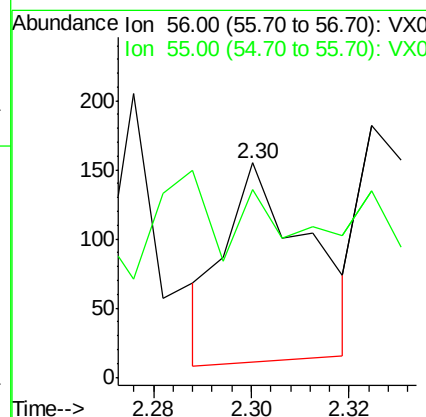
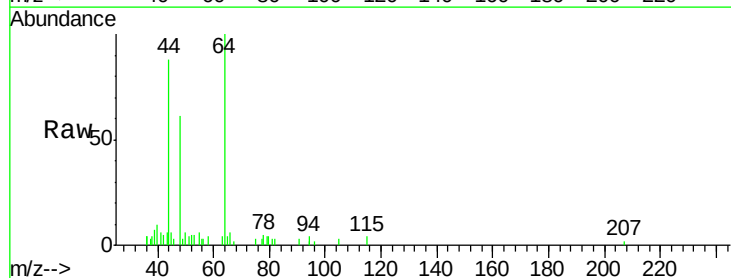
Instrument :
MSVOA_X
ClientSampleId :
GUNHILL-TRIPBLANK-3-6-21-18

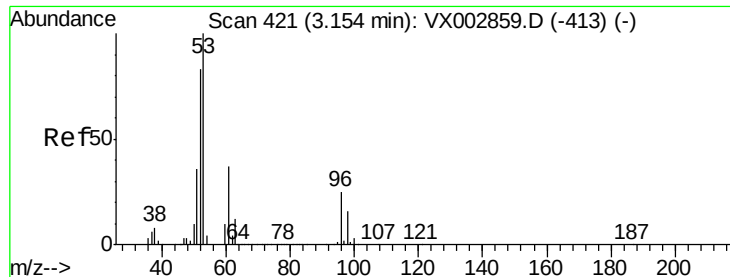
Tot Ion: 59 Resp: 1405
Ion Ratio Lower Upper
59 100
57 3.5 8.2 12.2#



#13
Acrolein
Concen: 4.67 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampled :

GUNHILL-TRIPBLANK-3-6-21-18

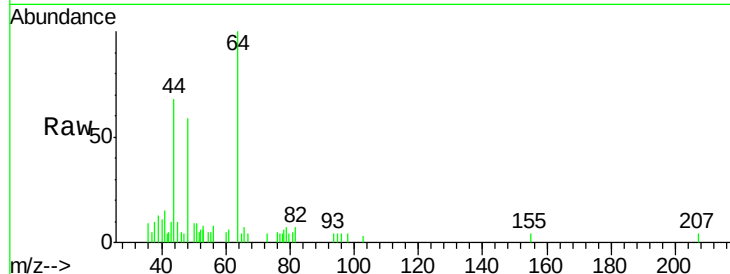
Tot Ion: 53 Resp: 485

Ion Ratio Lower Upper

53 100

52 52.4 66.7 100.1#

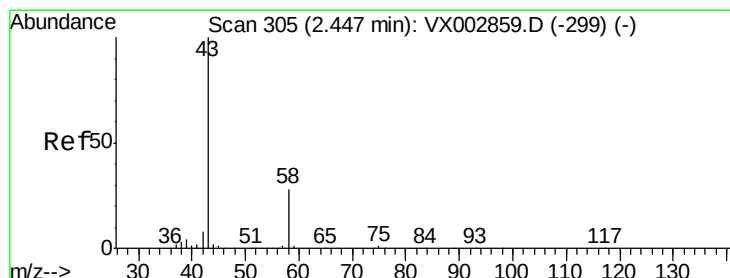
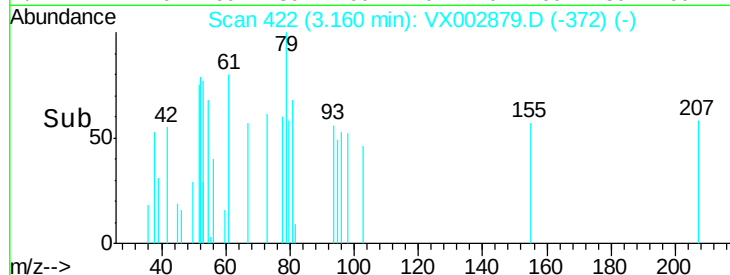
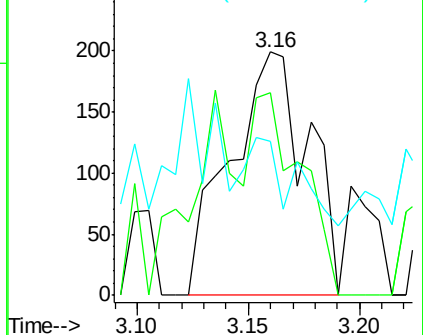
51 0.0 29.9 44.9#



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: 7.80 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002879.D

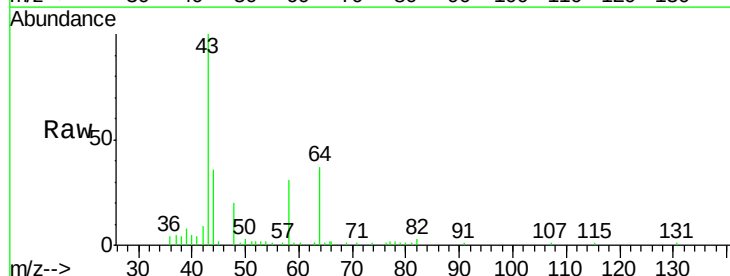
Acq: 26 Jun 2018 00:21

Tgt Ion: 43 Resp: 11061

Ion Ratio Lower Upper

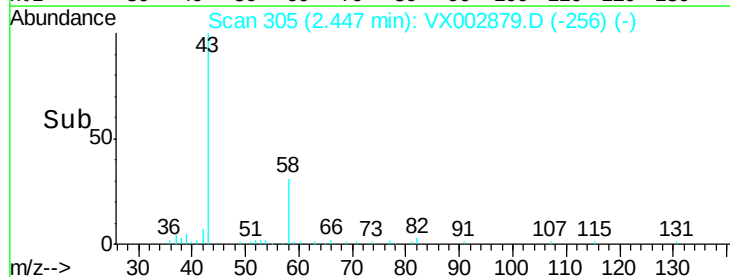
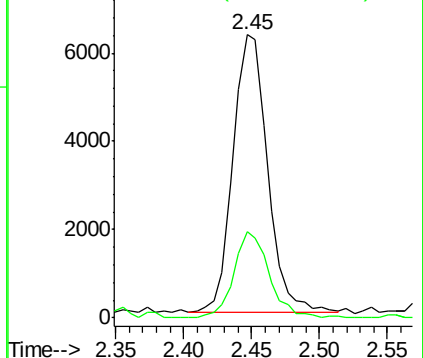
43 100

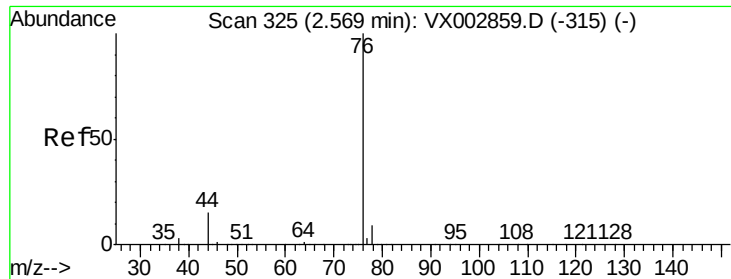
58 31.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampleId :

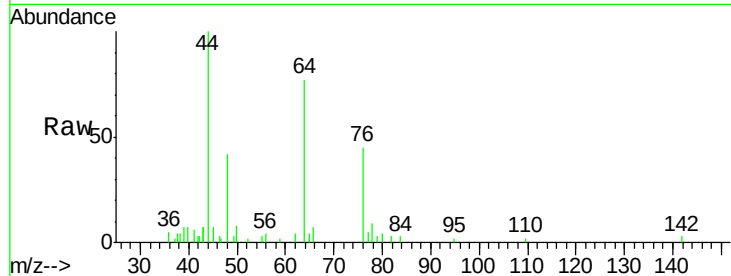
GUNHILL-TRIPBLANK-3-6-21-18

Tot Ion: 76 Resp: 2172

Ion Ratio Lower Upper

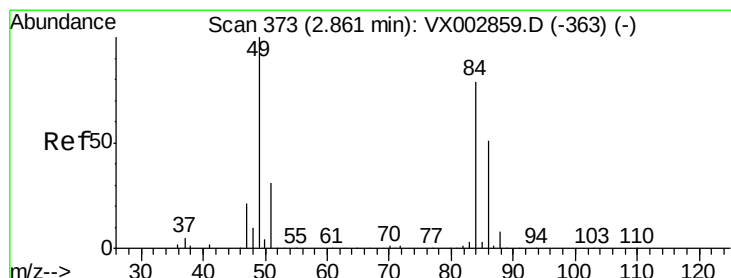
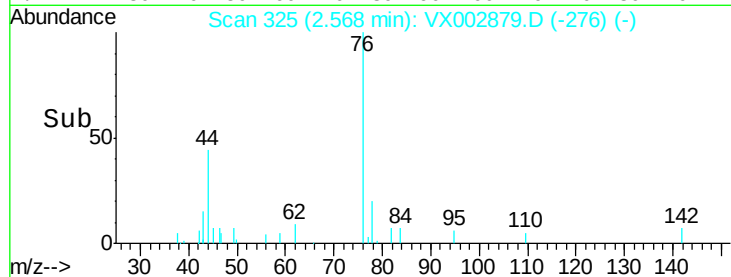
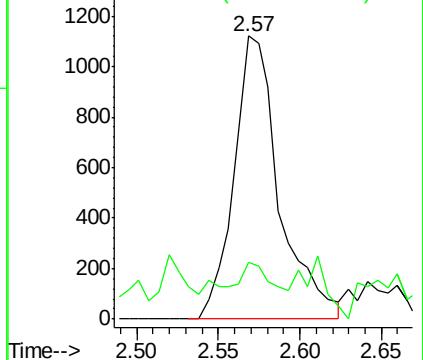
76 100

78 15.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.50 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

Tgt Ion: 84 Resp: 1373

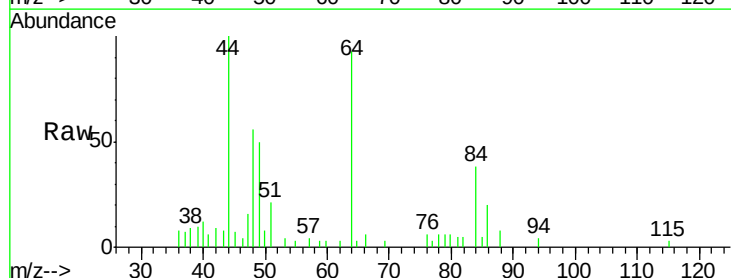
Ion Ratio Lower Upper

84 100

49 124.1 107.8 161.6

51 43.7 32.8 49.2

86 52.7 52.5 78.7

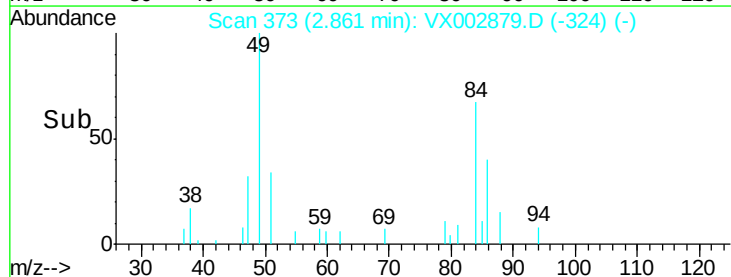
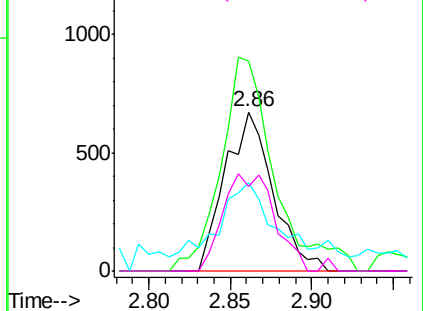


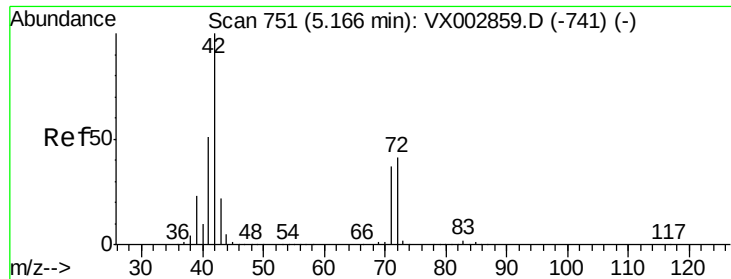
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

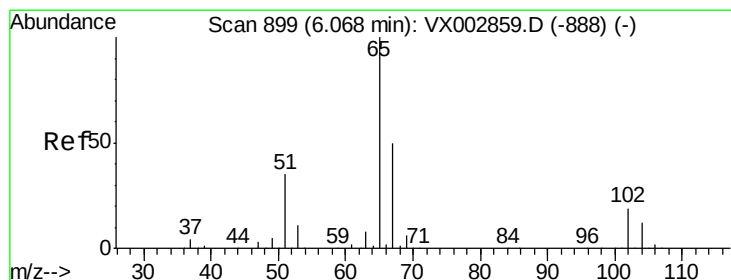
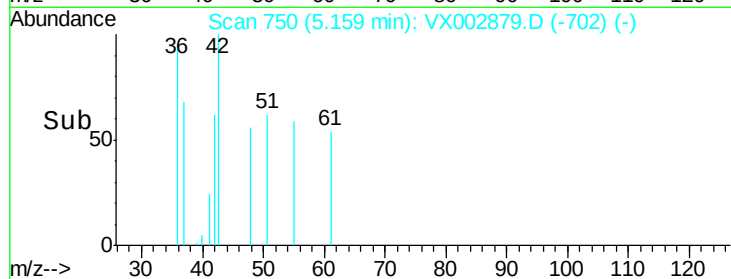
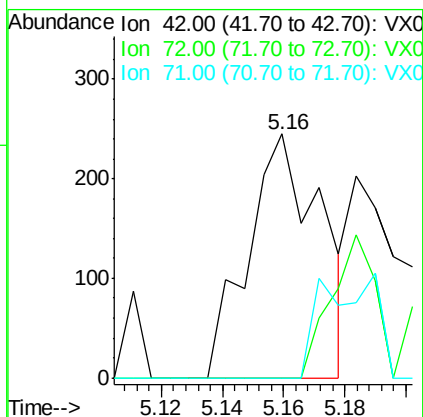
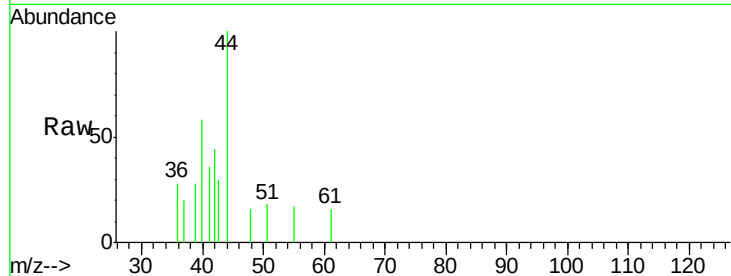




#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

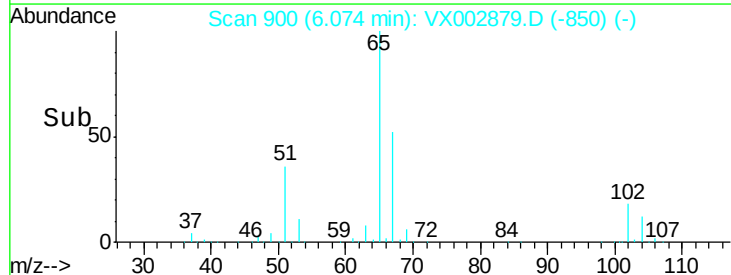
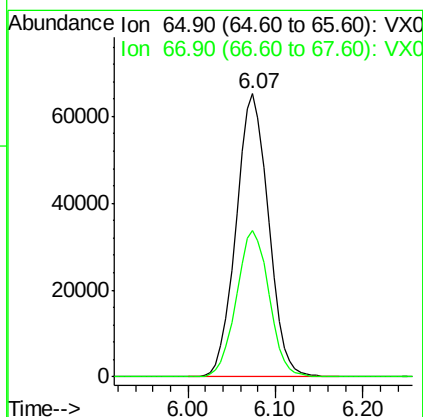
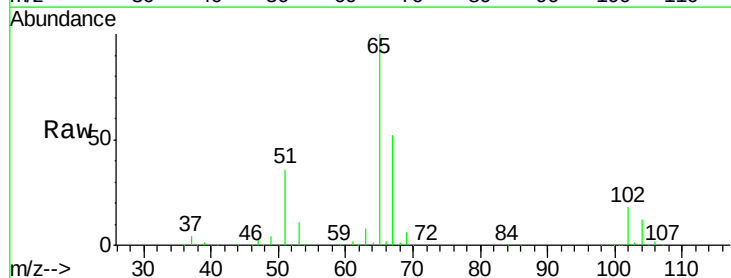
Instrument :
MSVOA_X
ClientSampleId :
GUNHILL-TRIPBLANK-3-6-21-18

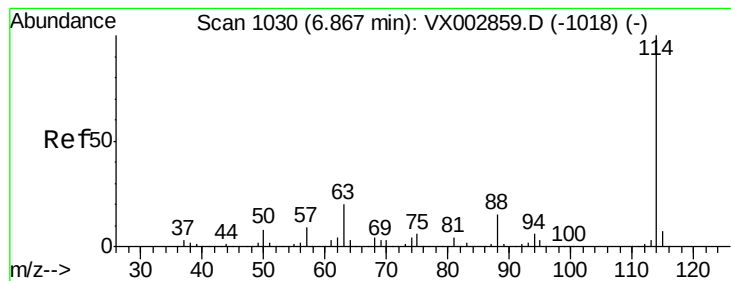
Tot Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 49.17 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

Tgt Ion: 65 Resp: 168331
Ion Ratio Lower Upper
65 100
67 52.0 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: VX002879.D

Acq: 26 Jun 2018 00:21

Instrument :

MSVOA_X

ClientSampleId :

GUNHILL-TRIPBLANK-3-6-21-18

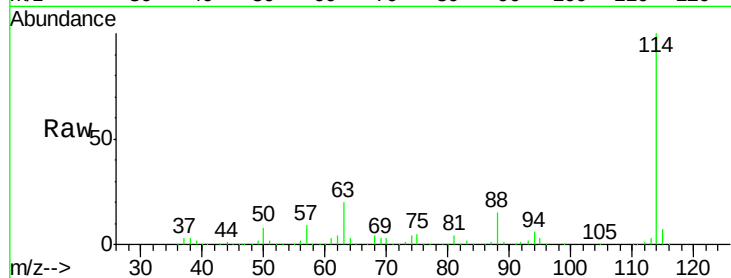
Tot Ion:114 Resp: 349639

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.4

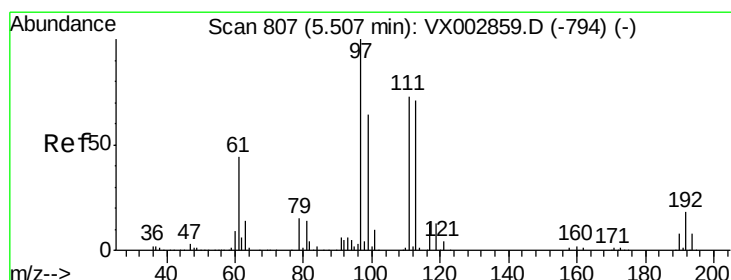
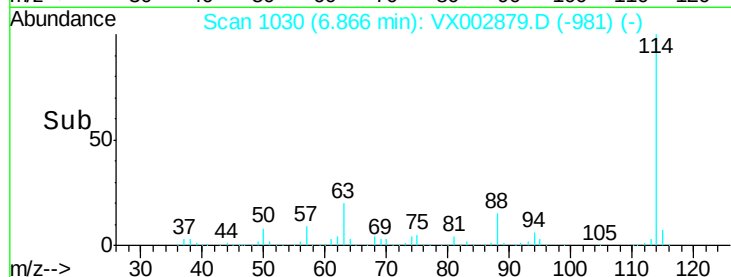
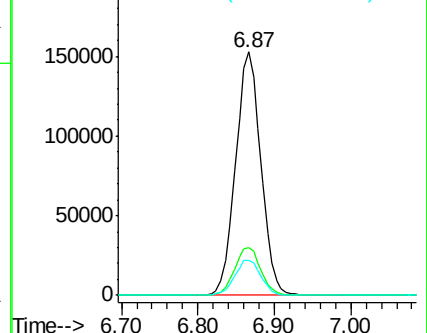
88 14.6 0.0 30.0



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: 48.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002879.D

Acq: 26 Jun 2018 00:21

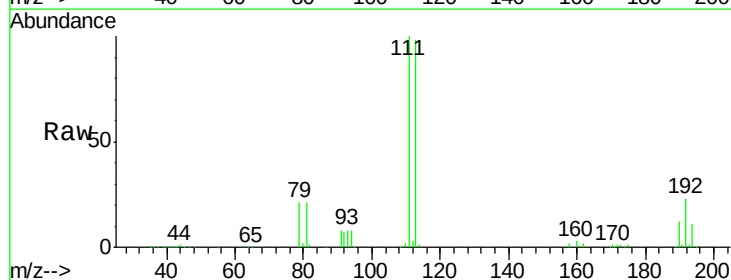
Tgt Ion:113 Resp: 133764

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

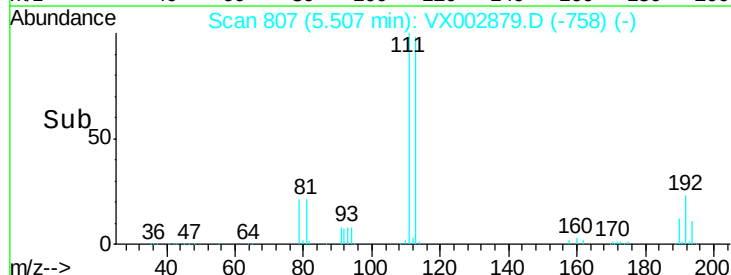
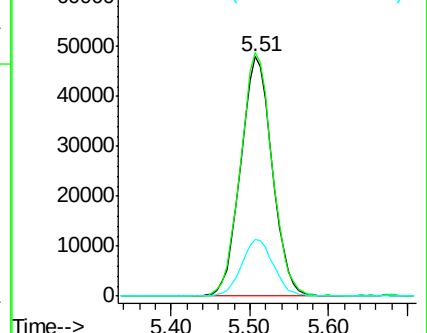
192 23.9 19.1 28.7

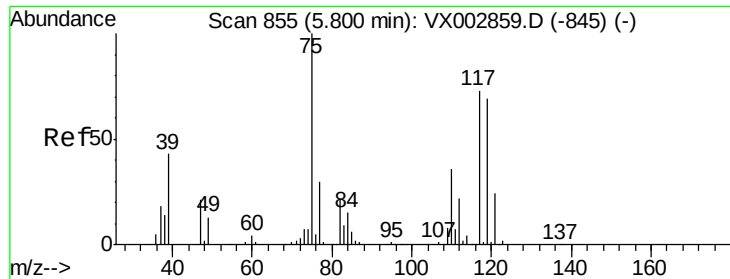


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

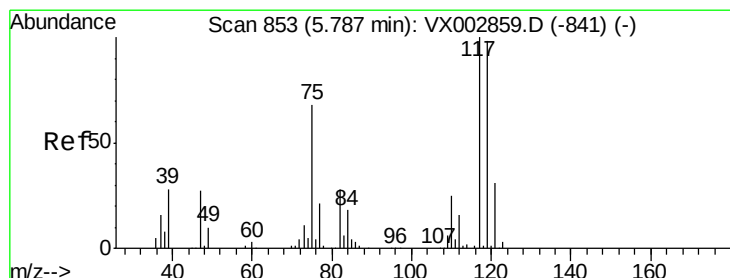
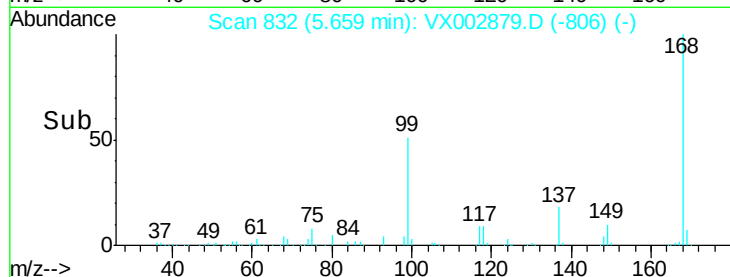
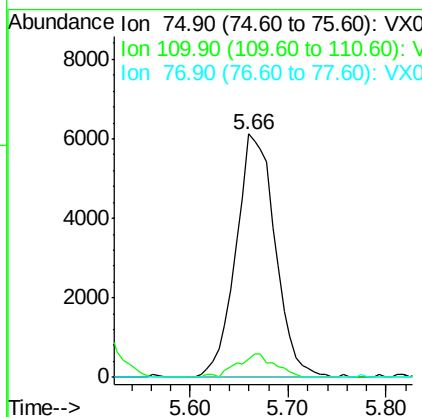
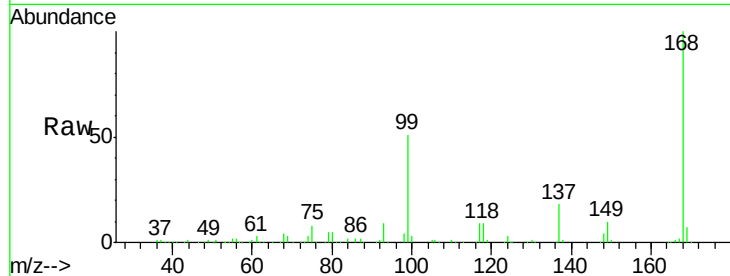




#36
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX002879.D
 Acq: 26 Jun 2018 00:21

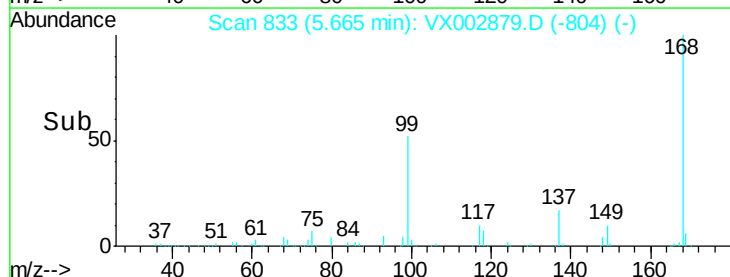
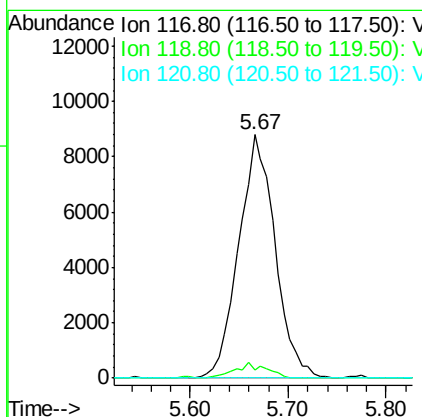
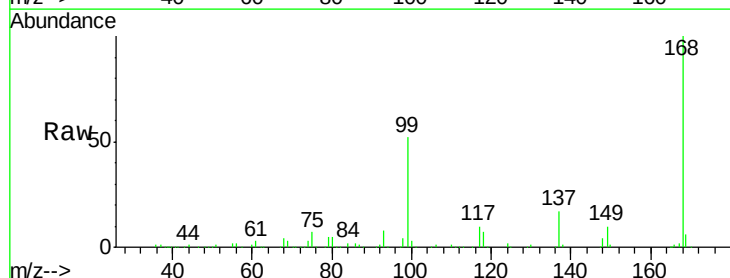
Instrument :
 MSVOA_X
 ClientSampleId :
 GUNHILL-TRIPBLANK-3-6-21-18

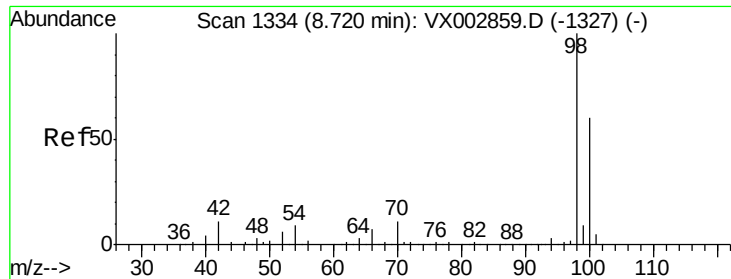
Tot Ion: 75 Resp: 17075
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.40 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002879.D
 Acq: 26 Jun 2018 00:21

Tgt Ion: 117 Resp: 22714
 Ion Ratio Lower Upper
 117 100
 119 3.1 77.4 116.0#
 121 0.0 24.4 36.6#

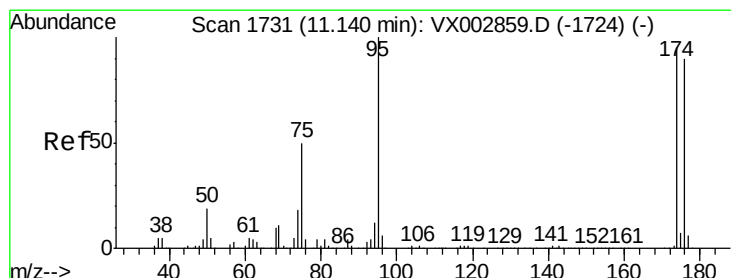
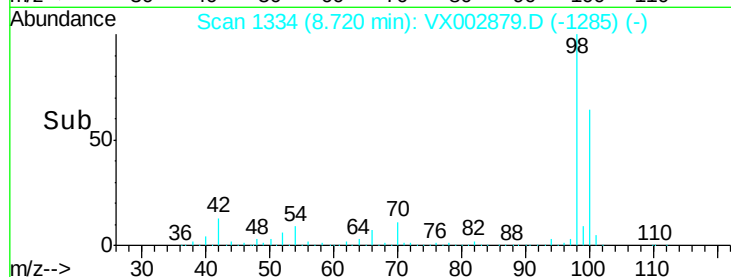
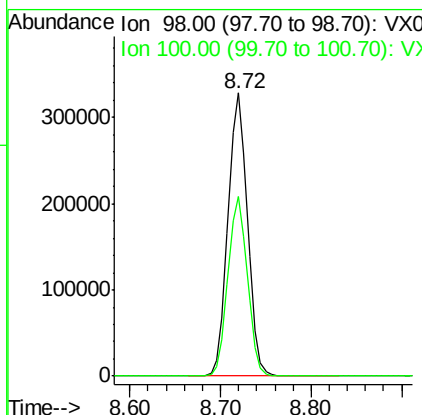
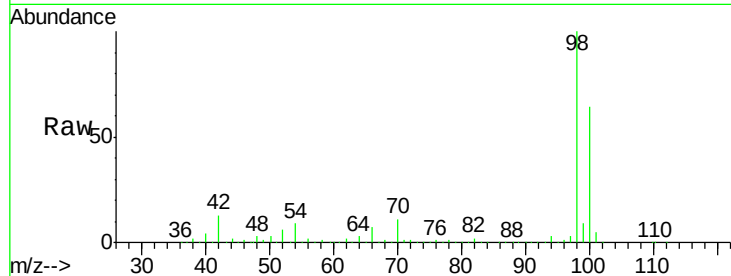




#50
Toluene-d8
Concen: 48.63 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

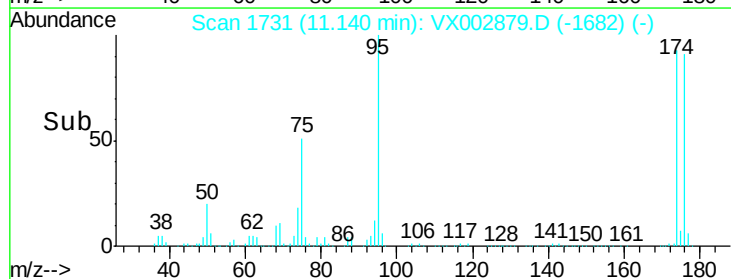
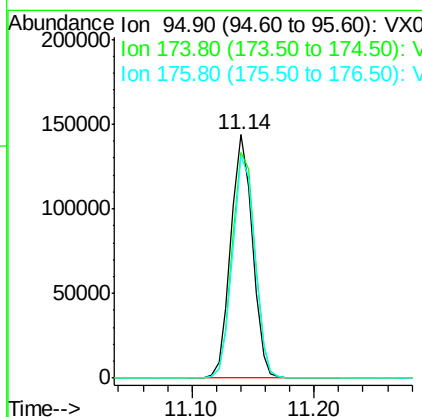
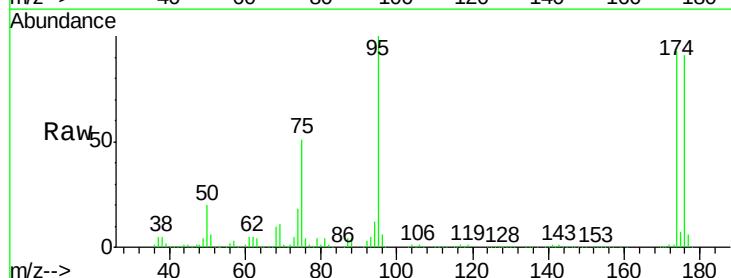
Instrument :
MSVOA_X
ClientSampleId :
GUNHILL-TRIPBLANK-3-6-21-18

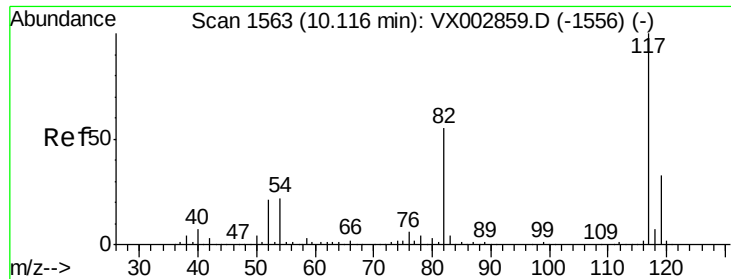
Tot Ion: 98 Resp: 491696
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.99 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

Tgt Ion: 95 Resp: 175422
Ion Ratio Lower Upper
95 100
174 97.4 0.0 187.4
176 93.8 0.0 181.0

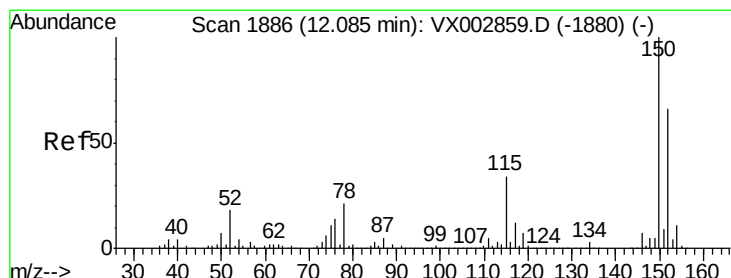
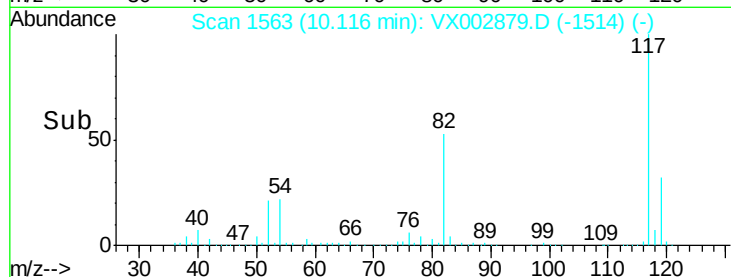
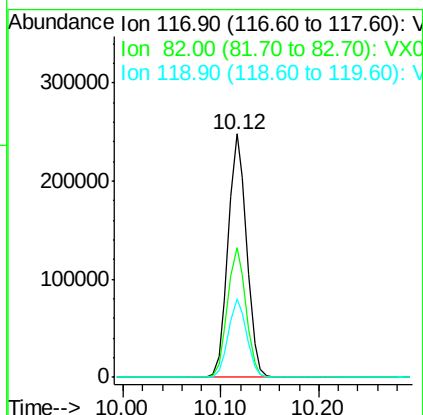
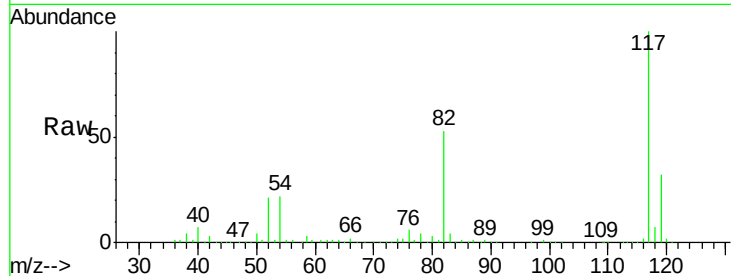




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

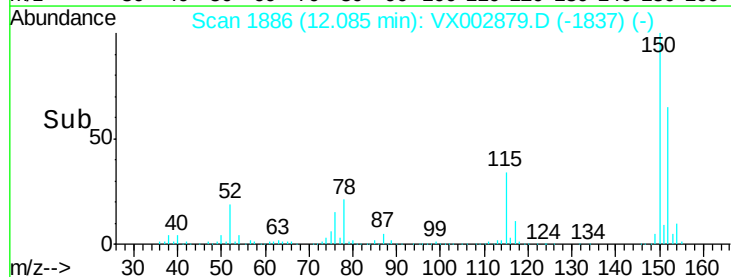
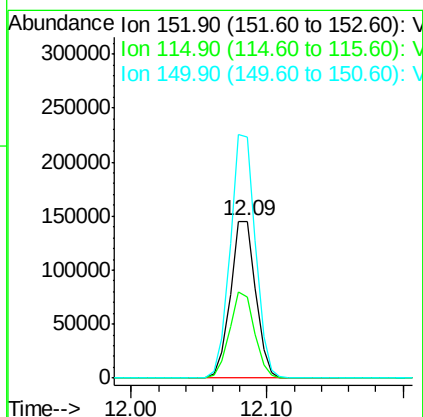
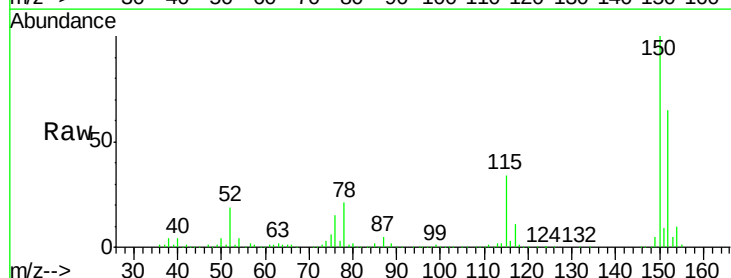
Instrument :
MSVOA_X
ClientSampleId :
GUNHILL-TRIPBLANK-3-6-21-18

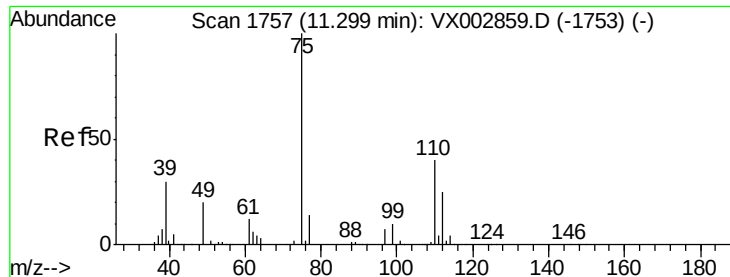
Tot Ion:117 Resp: 326243
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002879.D
Acq: 26 Jun 2018 00:21

Tgt Ion:152 Resp: 187190
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 155.0 0.0 347.2

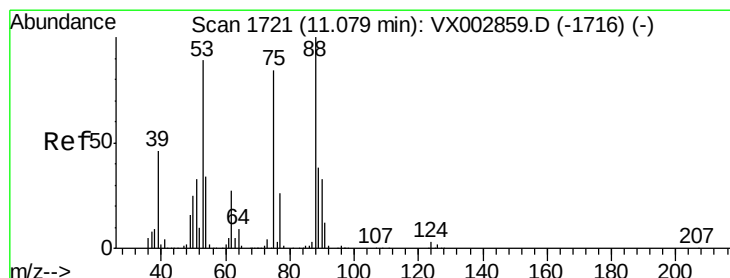
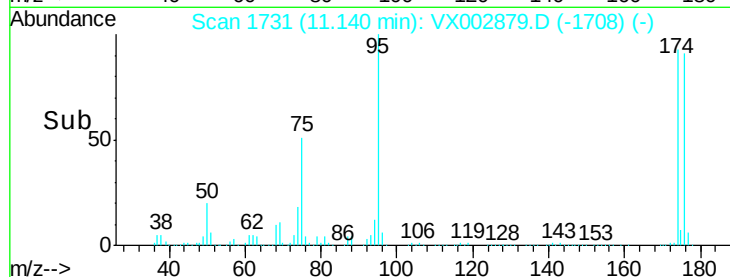
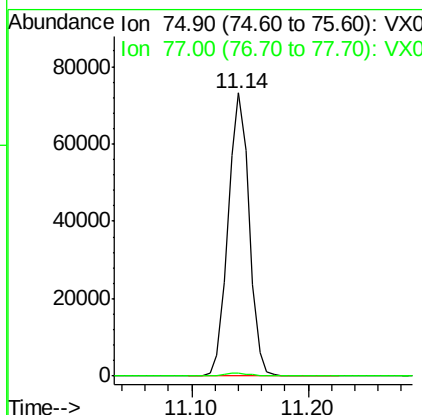
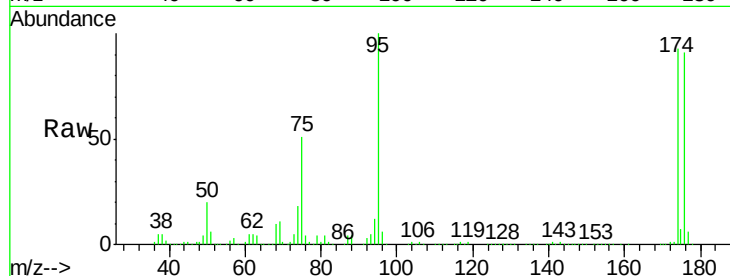




#76
 1,2,3-Trichloropropane
 Concen: 27.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002879.D
 Acq: 26 Jun 2018 00:21

Instrument :
 MSVOA_X
 ClientSampleId :
 GUNHILL-TRIPBLANK-3-6-21-18

Tot Ion: 75 Resp: 92022
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.81 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002879.D
 Acq: 26 Jun 2018 00:21

Tgt Ion: 75 Resp: 92022
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

