

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX042419\
 Data File : VX009147.D
 Acq On : 24 Apr 2019 17:38
 Operator : JC/SP
 Sample : K2555-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 25 05:22:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	204941	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	330714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	136444	47.24	ug/l	0.00
Spiked Amount						
			Recovery	=	94.48%	
35) Dibromofluoromethane	5.49	113	101081	47.62	ug/l	0.00
Spiked Amount						
			Recovery	=	95.24%	
50) Toluene-d8	8.71	98	406381	48.01	ug/l	0.00
Spiked Amount						
			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.13	95	129046	43.19	ug/l	0.00
Spiked Amount						
			Recovery	=	86.38%	

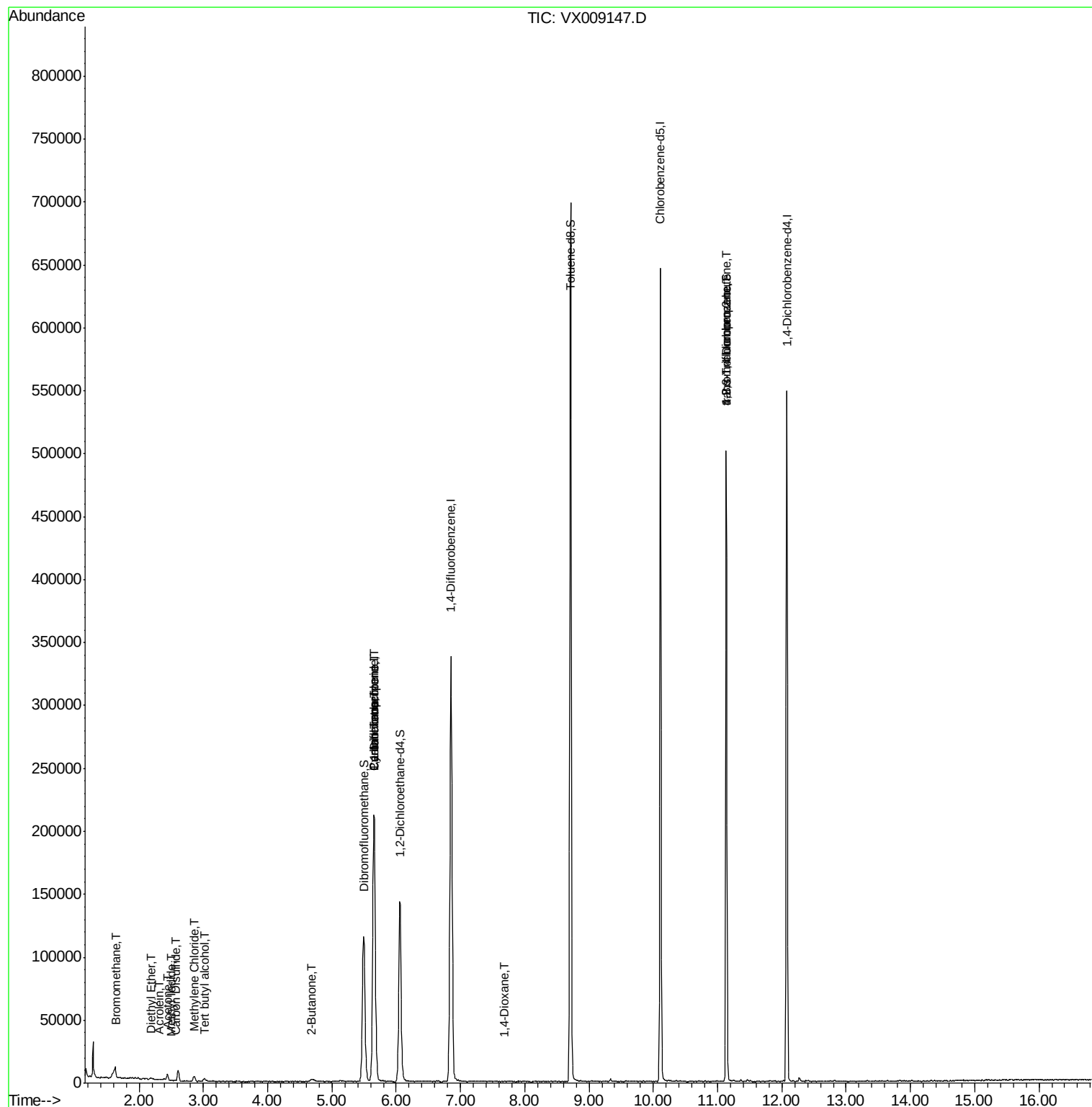
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	680	4.204	ug/l	95
8) Diethyl Ether	2.18	74	438	0.291	ug/l	84
10) Methyl Iodide	2.51	142	223	4.503	ug/l #	83
11) Tert butyl alcohol	3.01	59	1521	2.372	ug/l #	79
13) Acrolein	2.31	56	307	0.554	ug/l #	66
16) Acetone	2.44	43	4867	3.250	ug/l	94
17) Carbon Disulfide	2.57	76	1394	1.463	ug/l #	65
20) Methylene Chloride	2.85	84	2002	0.782	ug/l #	95
25) 2-Butanone	4.69	43	845	0.353	ug/l #	84
28) Bromochloromethane	5.02	49	152	Below Cal	#	56
31) Cyclohexane	5.65	56	4681	1.018	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16197	4.736	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19408	6.693	ug/l #	18
49) 1,4-Dioxane	7.68	88	26	0.396	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	65618	23.782	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65618	61.056	ug/l #	11

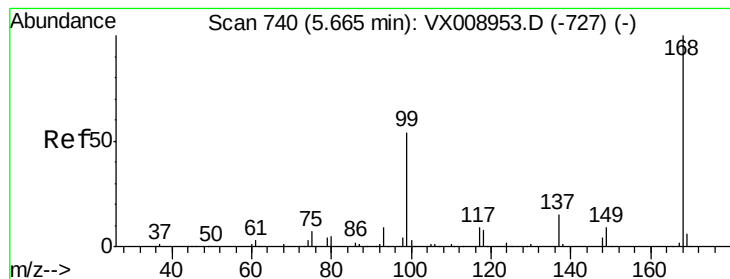
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

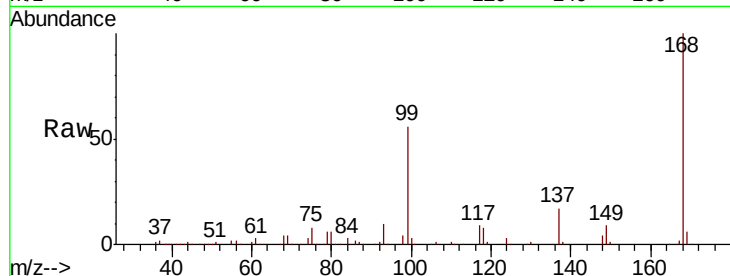
TRIP-BLANK

Tgt Ion:168 Resp: 204941

Ion Ratio Lower Upper

168 100

99 55.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

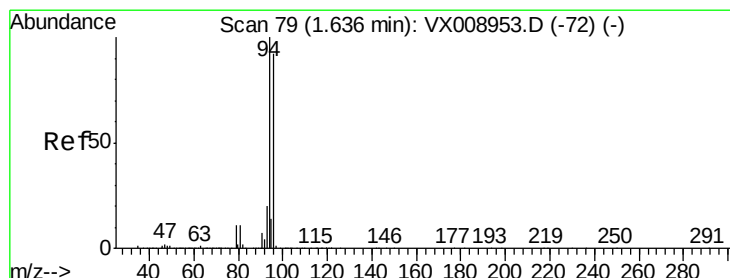
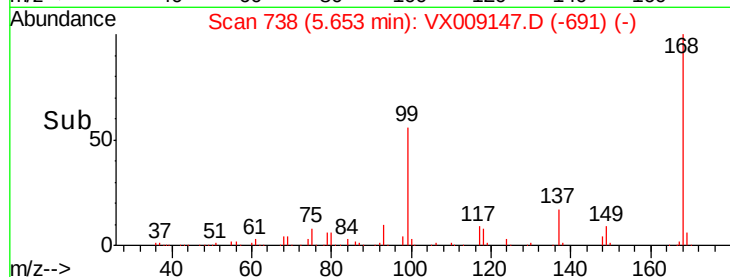
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.204 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009147.D

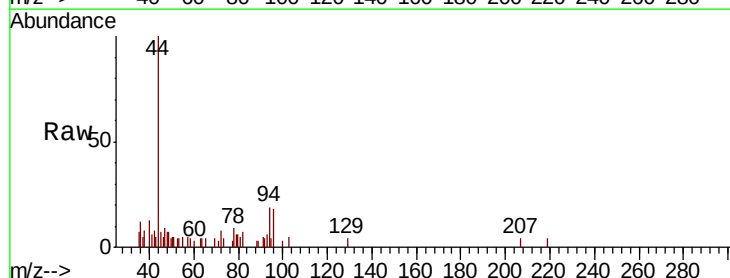
Acq: 24 Apr 2019 17:38

Tgt Ion: 94 Resp: 680

Ion Ratio Lower Upper

94 100

96 97.0 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

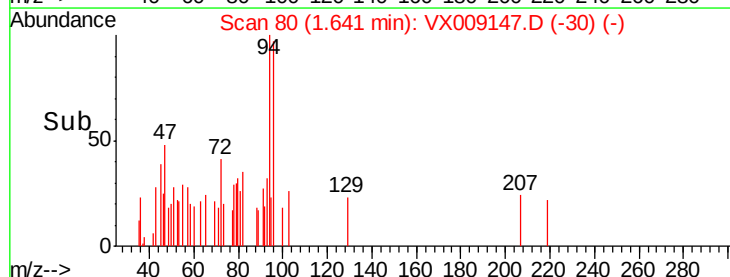
300

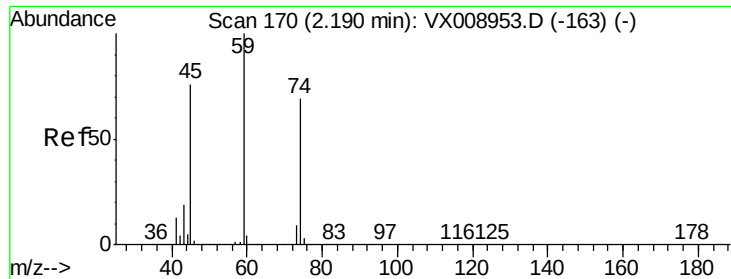
200

100

0

Time--> 1.55 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.291 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampled :

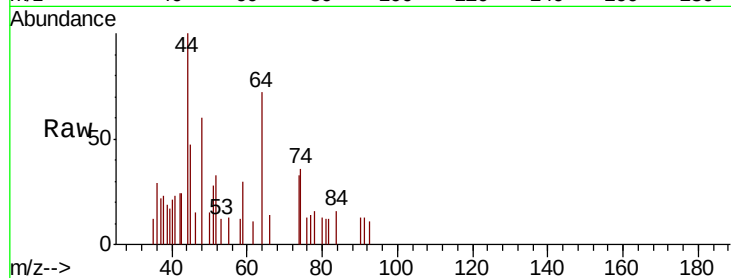
TRIP-BLANK

Tgt Ion: 74 Resp: 438

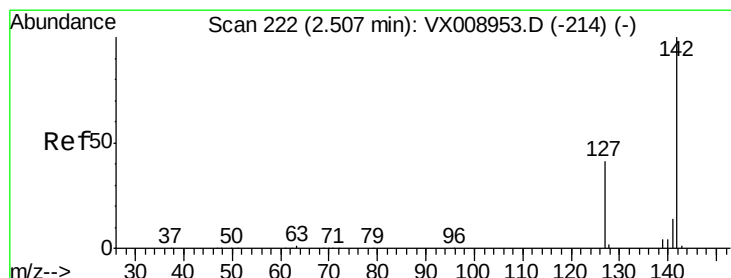
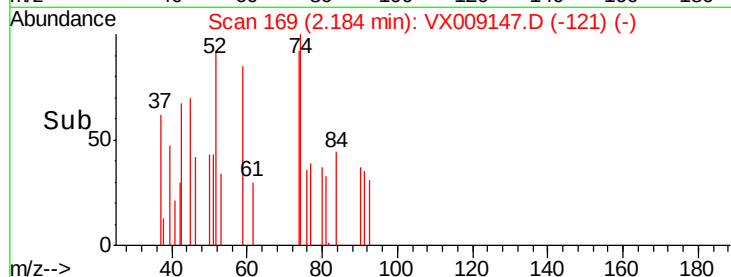
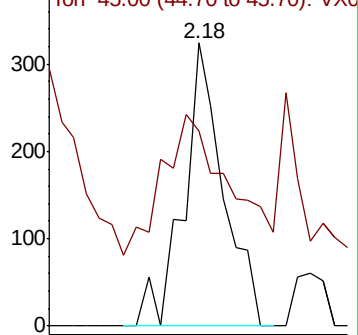
Ion Ratio Lower Upper

74 100

45 92.7 54.9 164.8



Abundance Ion 74.00 (73.70 to 74.70): VX0



#10

Methyl Iodide

Concen: 4.503 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

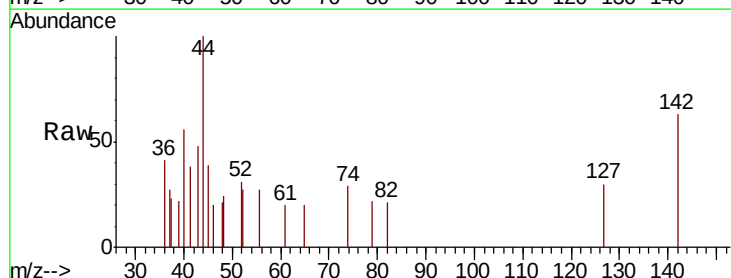
Tgt Ion: 142 Resp: 223

Ion Ratio Lower Upper

142 100

127 53.8 32.8 49.2#

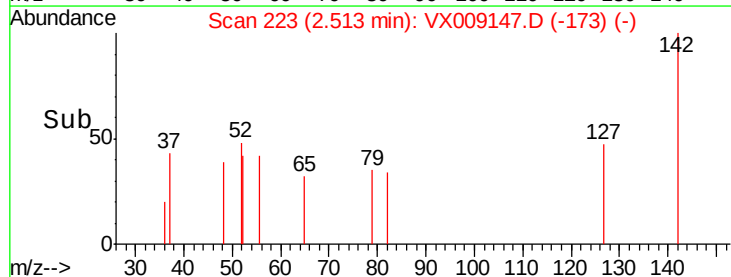
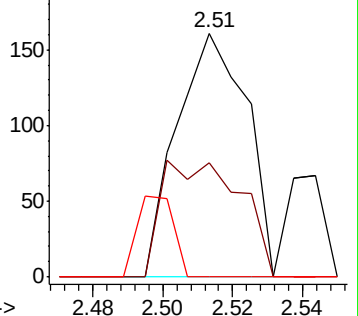
141 17.0 11.4 17.2

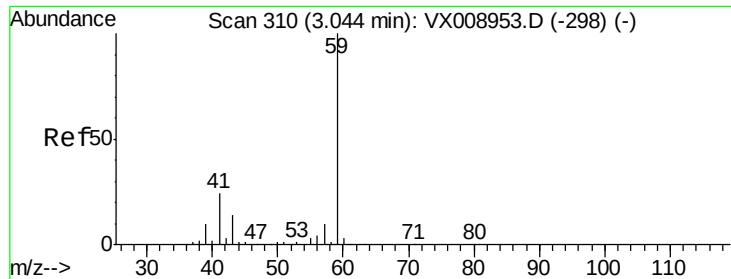


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

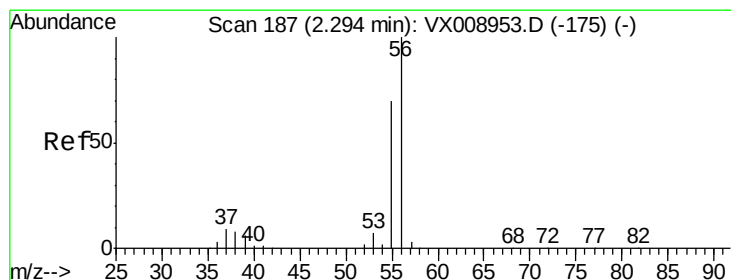
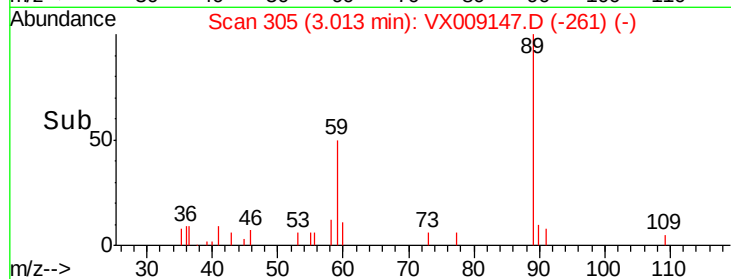
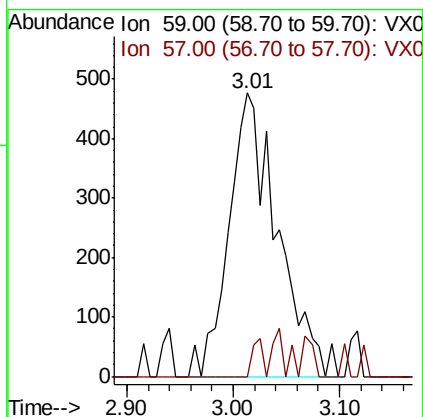
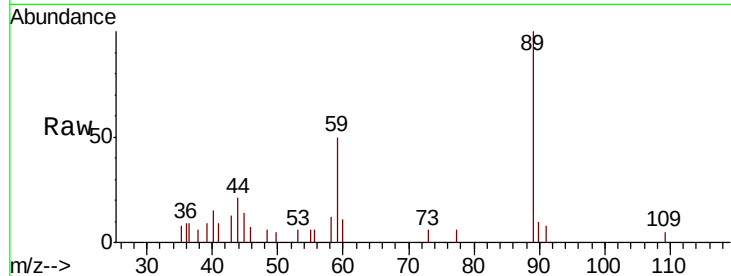




#11
Tert butyl alcohol
Concen: 2.372 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.03 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

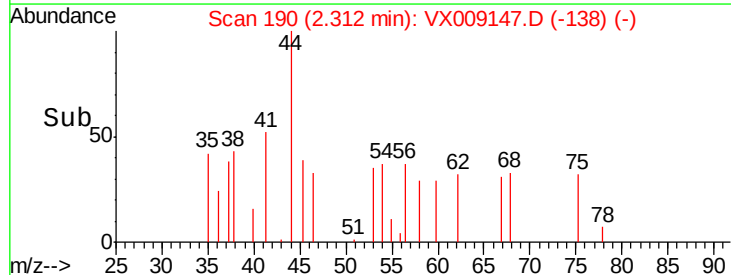
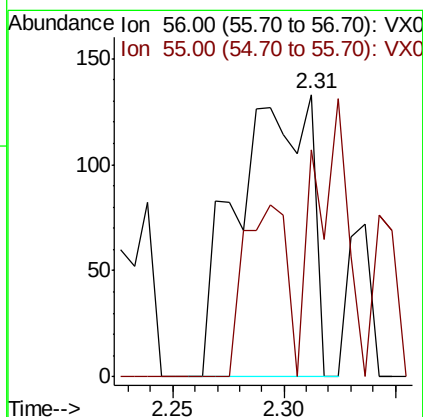
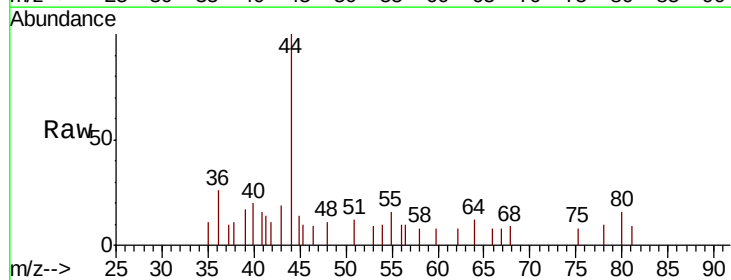
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

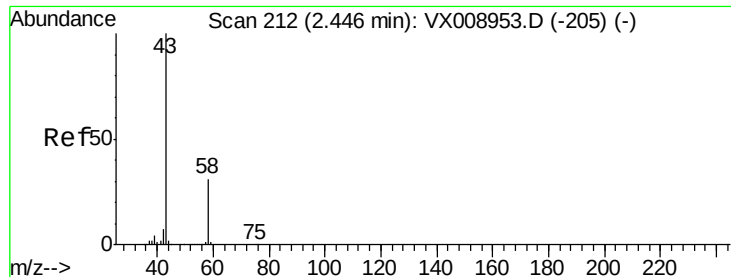
Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 2.8 8.4 12.6#



#13
Acrolein
Concen: 0.554 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

Tgt Ion: 56 Resp: 307
Ion Ratio Lower Upper
56 100
55 43.0 56.6 84.8#





#16

Acetone

Concen: 3.250 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampled :

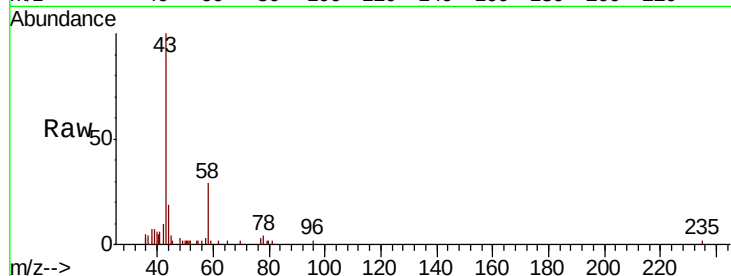
TRIP-BLANK

Tgt Ion: 43 Resp: 4867

Ion Ratio Lower Upper

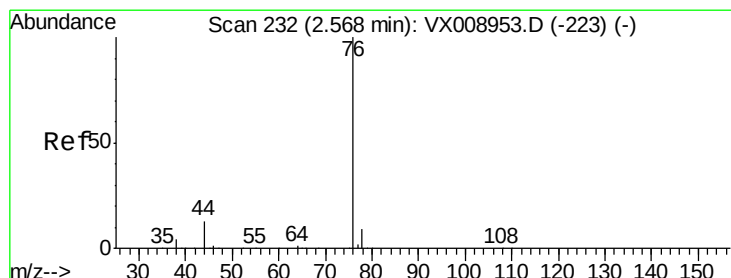
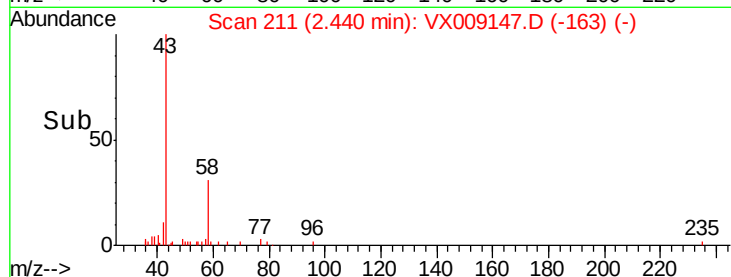
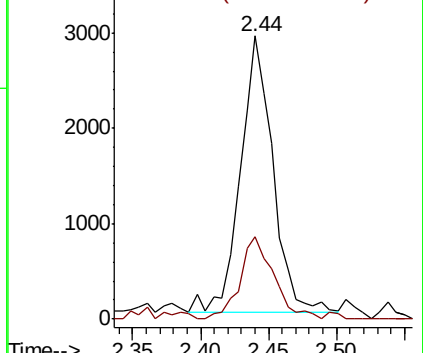
43 100

58 27.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.463 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009147.D

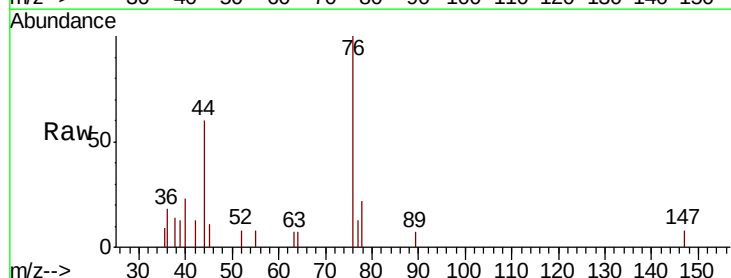
Acq: 24 Apr 2019 17:38

Tgt Ion: 76 Resp: 1394

Ion Ratio Lower Upper

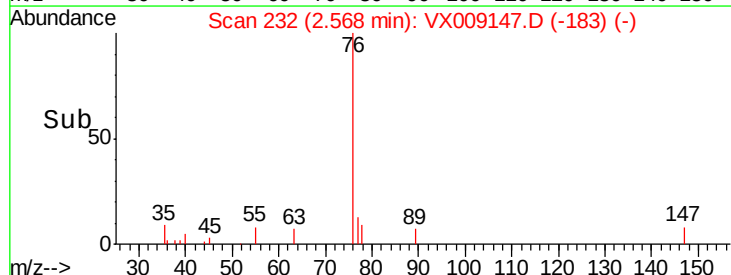
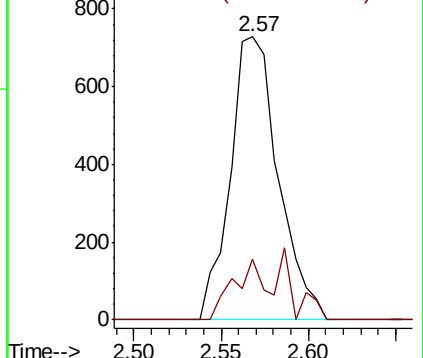
76 100

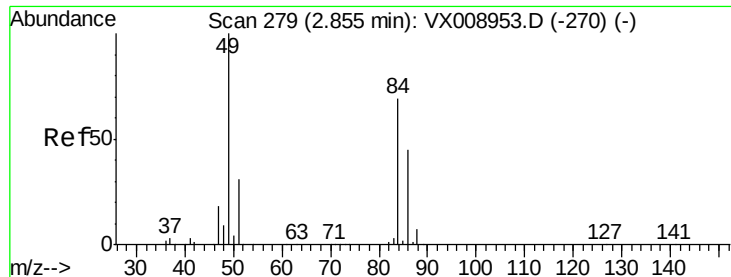
78 21.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

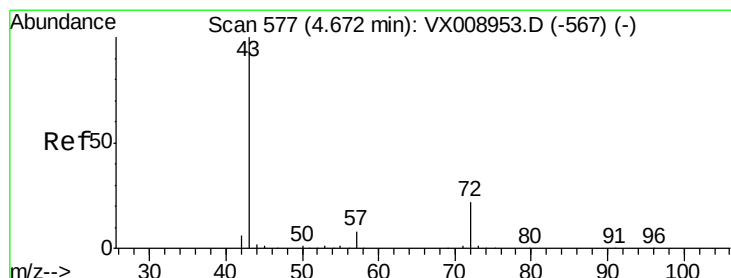
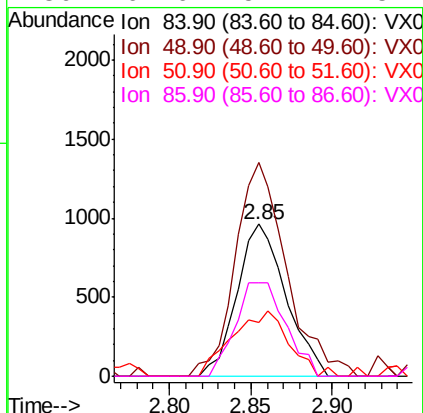
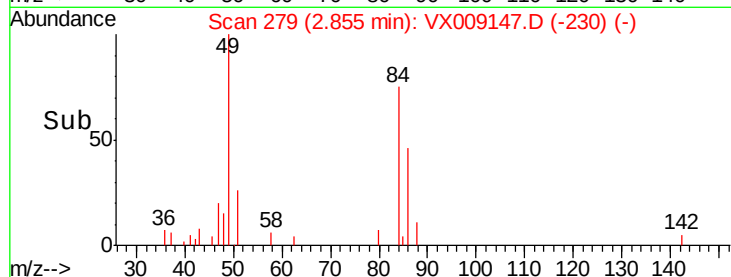
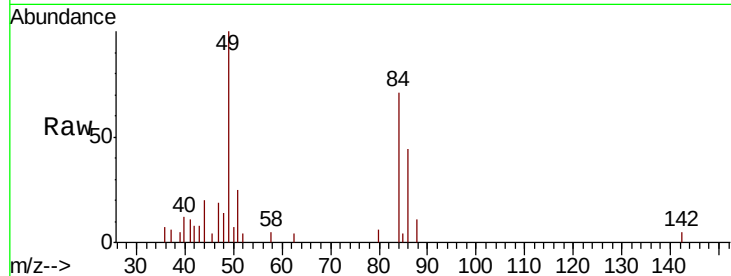




#20
Methylene Chloride
Concen: 0.782 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

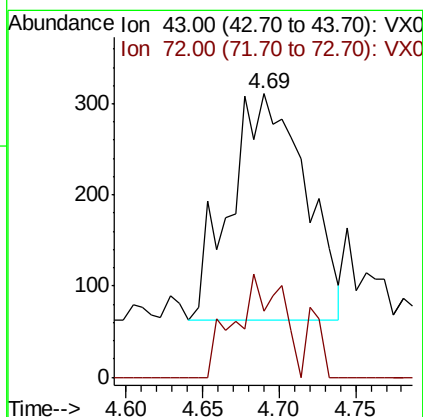
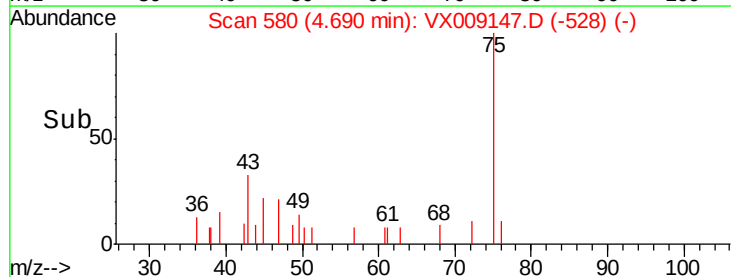
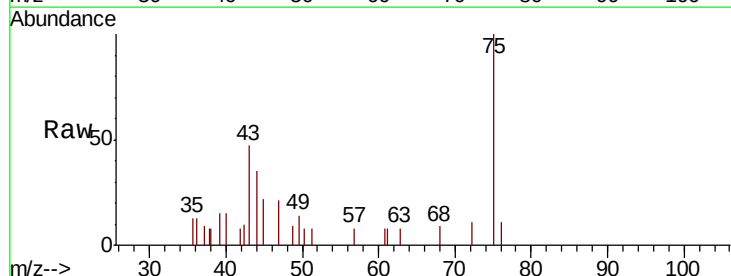
Instrument :
MSVOA_X
ClientSampleId :
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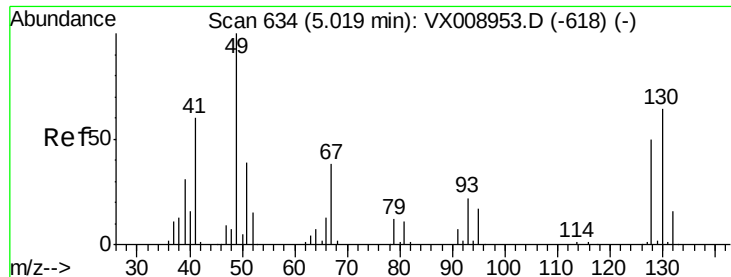
Tgt Ion: 84 Resp: 2002
Ion Ratio Lower Upper
84 100
49 140.6 115.4 173.0
51 35.1 35.8 53.6#
86 61.6 52.1 78.1



#25
2-Butanone
Concen: 0.353 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
72 29.4 17.5 26.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

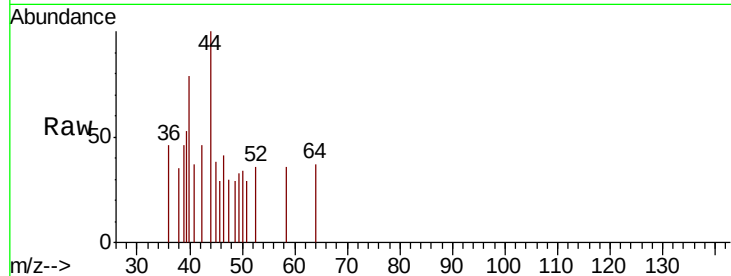
Tgt Ion: 49 Resp: 152

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 28.3 50.4 75.6#

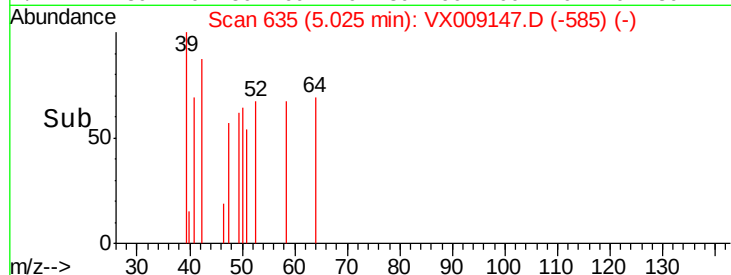


Abundance Ion 48.90 (48.60 to 49.60): VX0

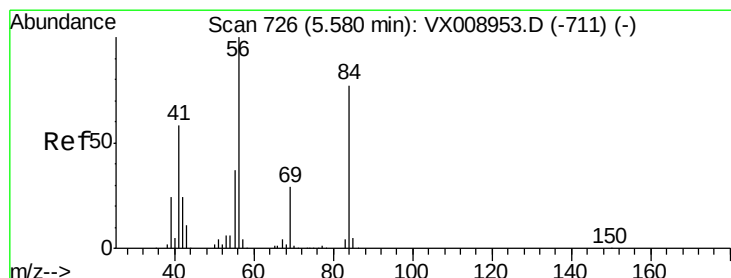
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->



Time-->



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

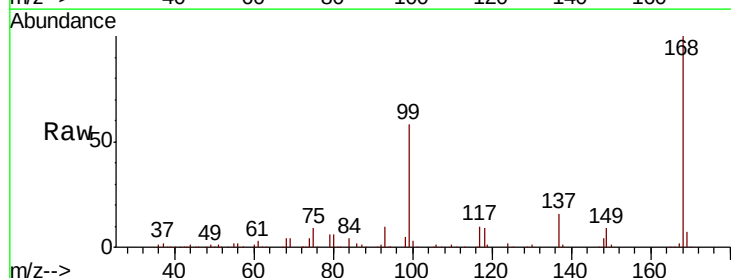
Tgt Ion: 56 Resp: 4681

Ion Ratio Lower Upper

56 100

69 169.2 23.3 34.9#

84 149.6 61.7 92.5#

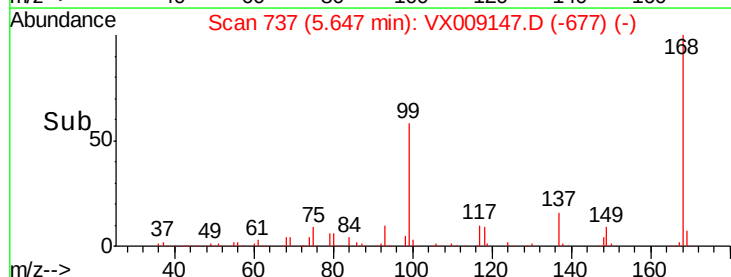


Abundance Ion 56.00 (55.70 to 56.70): VX0

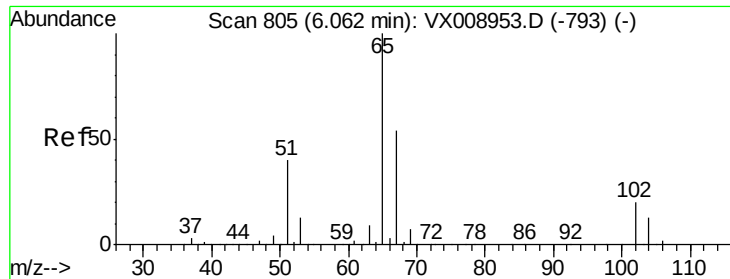
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.242 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

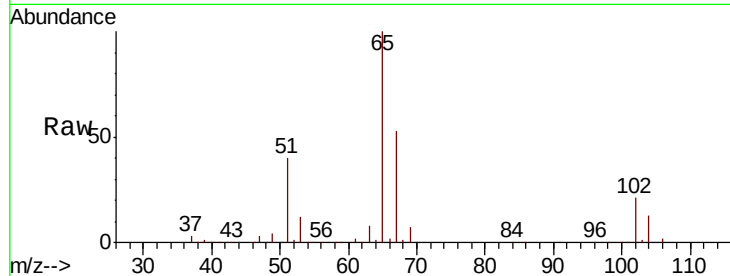
TRIP-BLANK

Tgt Ion: 65 Resp: 136444

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

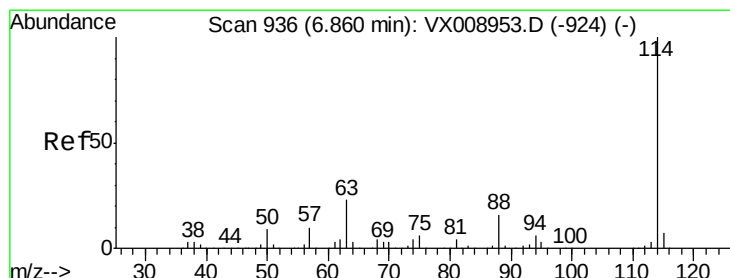
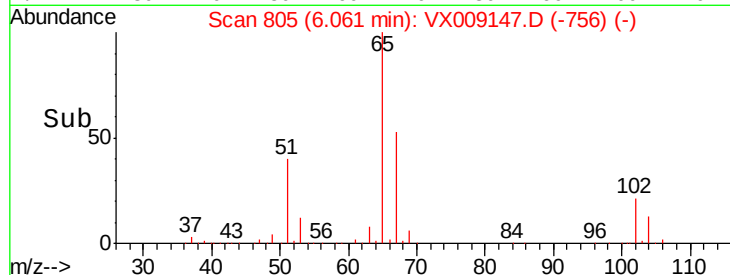
20000

10000

0

5.90 6.00 6.10 6.20 6.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

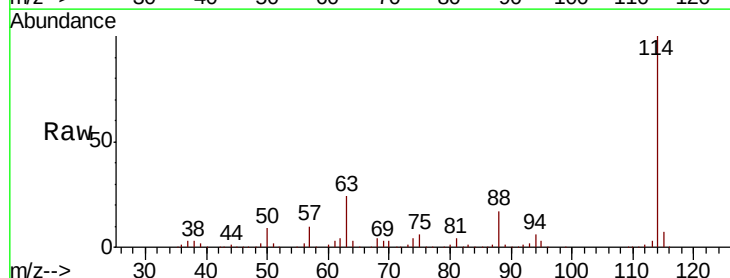
Tgt Ion: 114 Resp: 330714

Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.0

88 17.2 0.0 32.6



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

6.85

150000

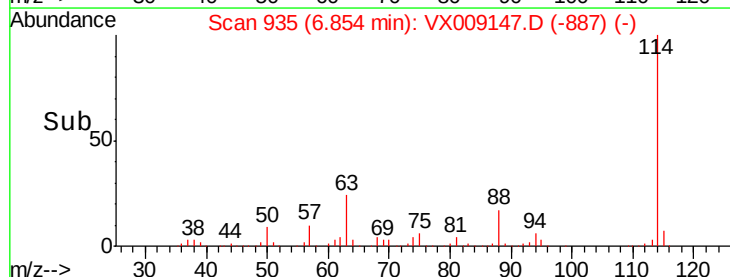
100000

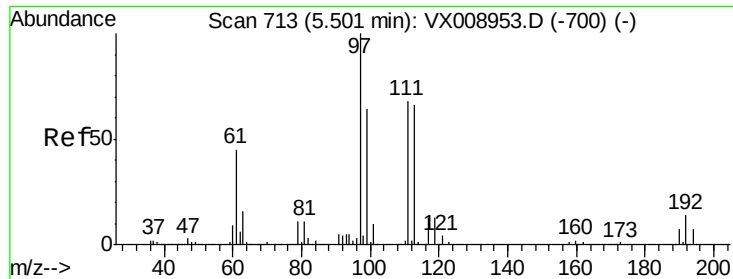
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.625 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

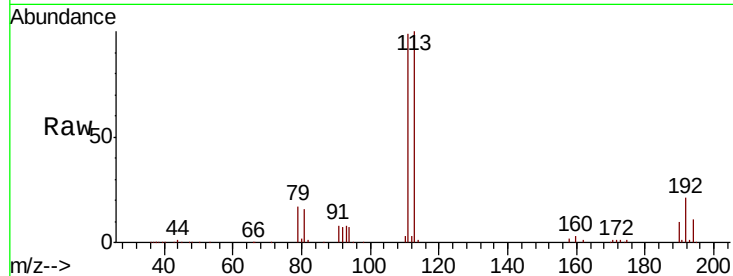
Tgt Ion:113 Resp: 101081

Ion Ratio Lower Upper

113 100

111 101.3 82.9 124.3

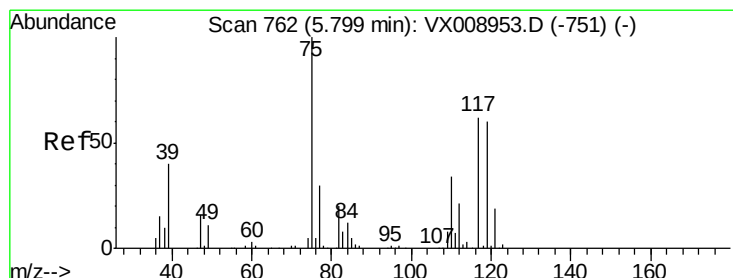
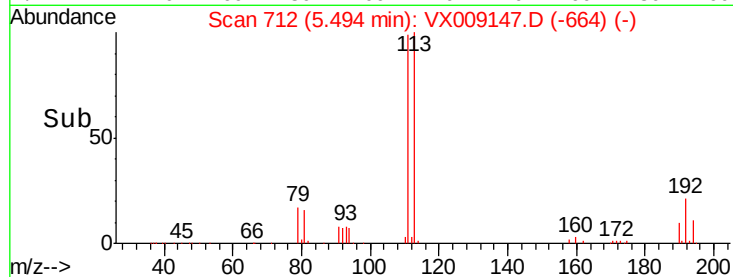
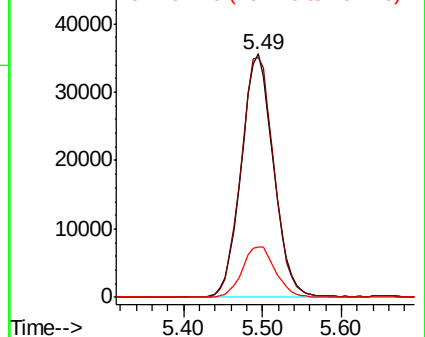
192 21.5 17.4 26.0



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: 4.736 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

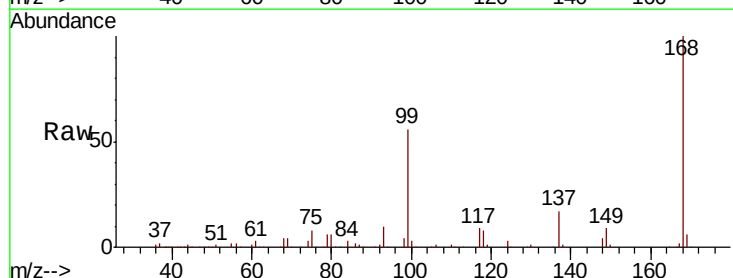
Tgt Ion: 75 Resp: 16197

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

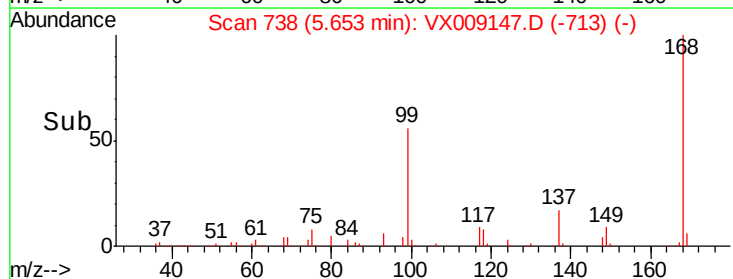
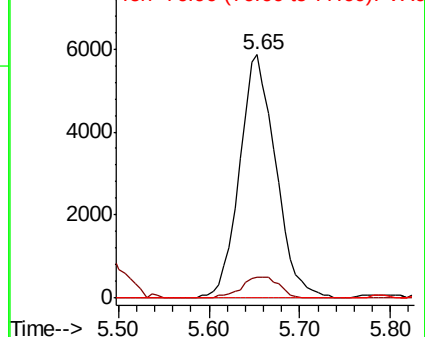
77 0.0 25.0 37.4#

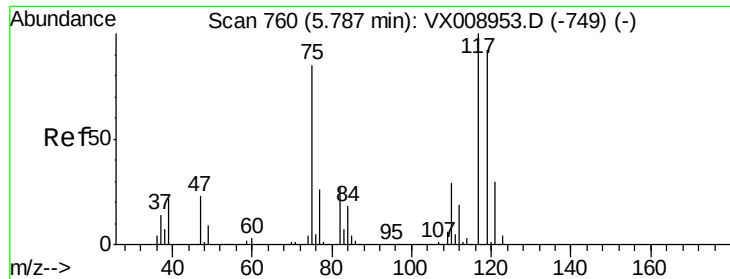


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

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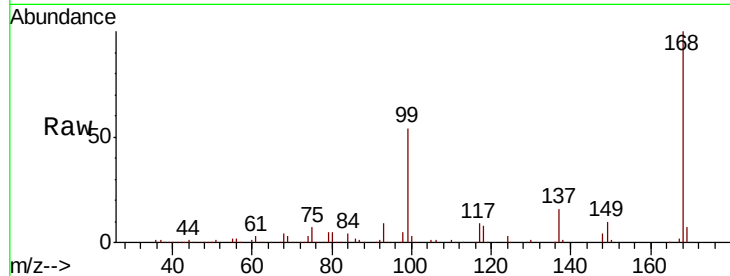
Tgt Ion:117 Resp: 19408

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

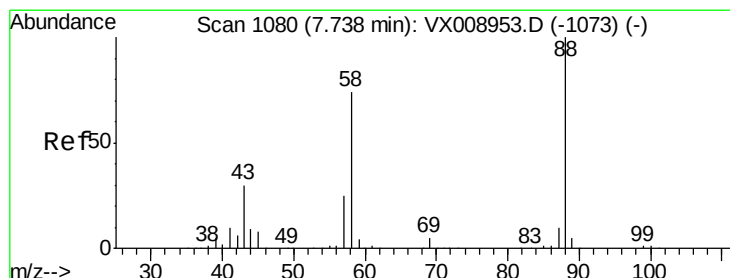
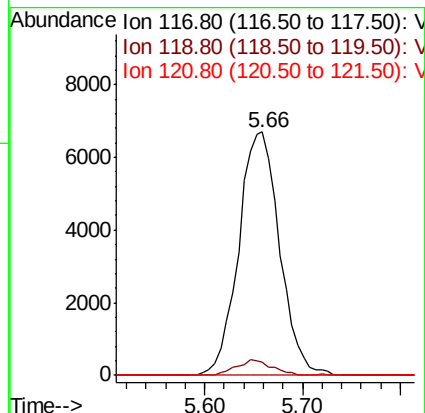
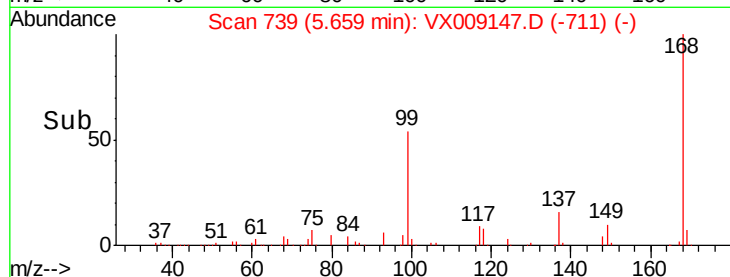
121 0.0 23.6 35.4#



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: 0.396 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.06 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

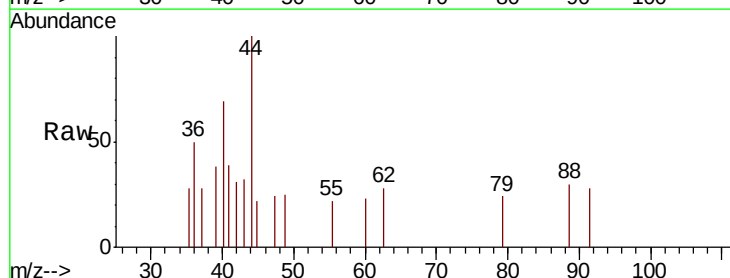
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

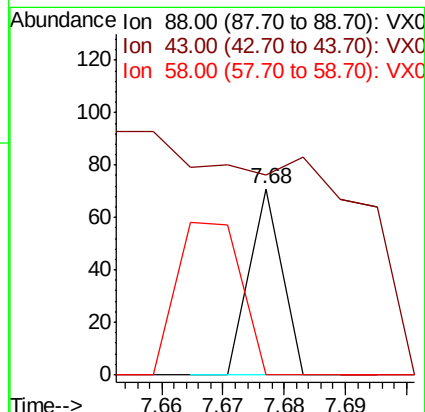
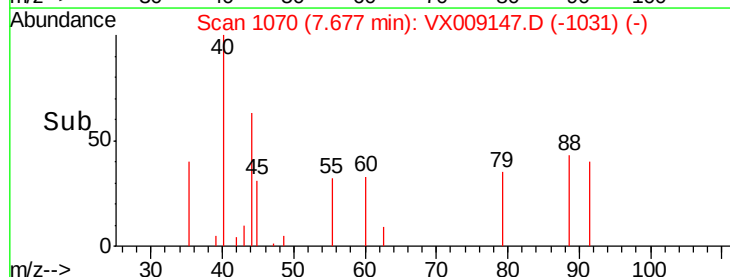
58 161.5 62.6 93.8#

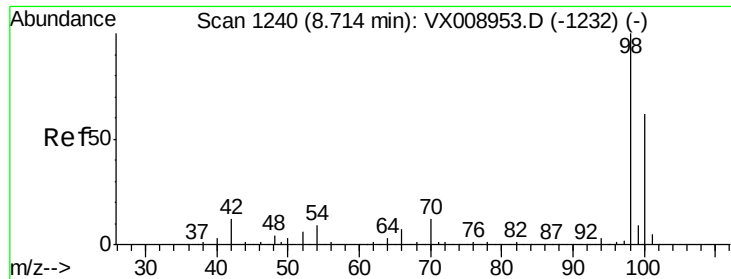


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

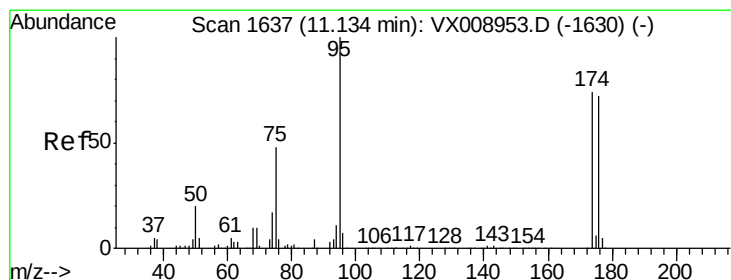
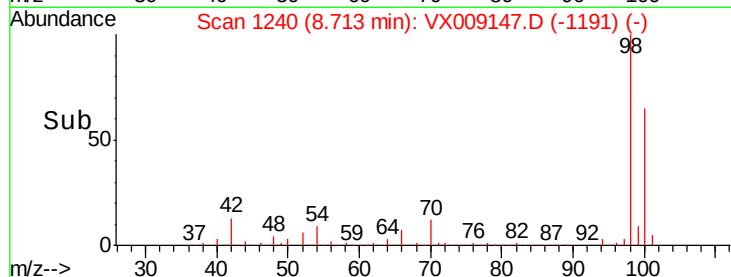
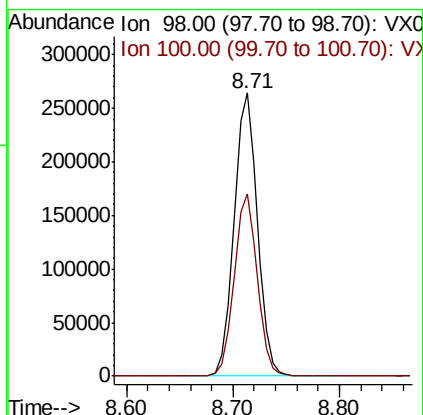
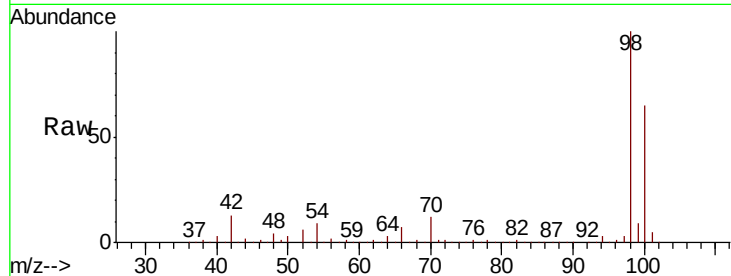




#50
Toluene-d8
Concen: 48.010 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

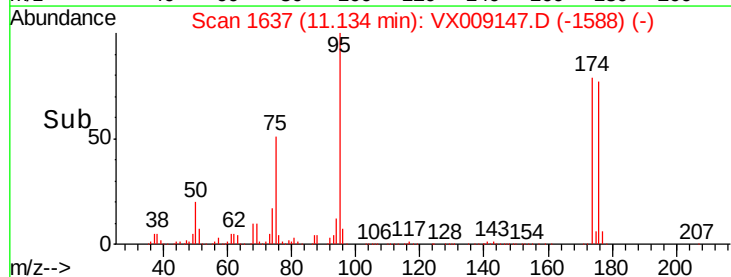
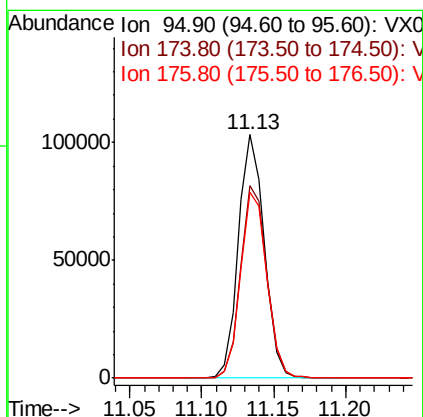
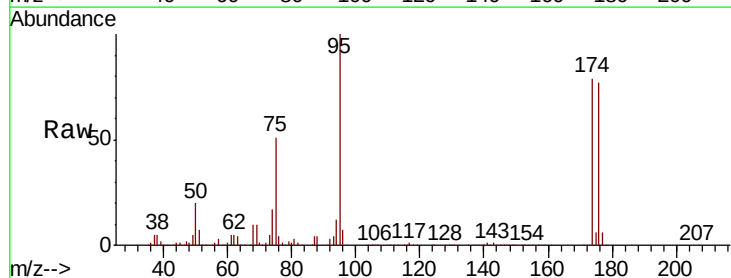
Instrument :
MSVOA_X
ClientSampleId :
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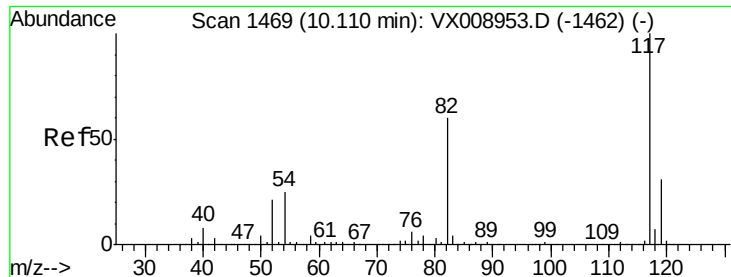
Tgt Ion: 98 Resp: 406381
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 43.189 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

Tgt Ion: 95 Resp: 129046
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.6
176 77.6 0.0 154.8

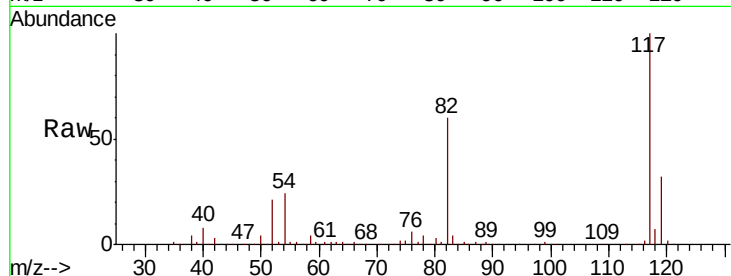




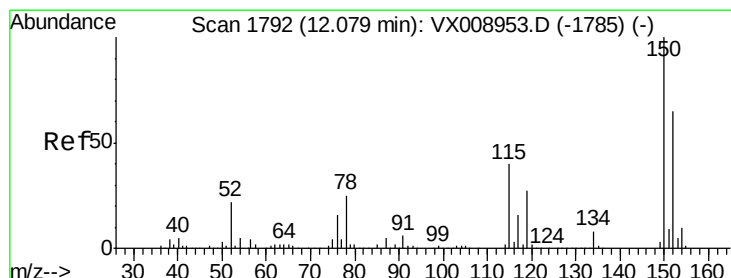
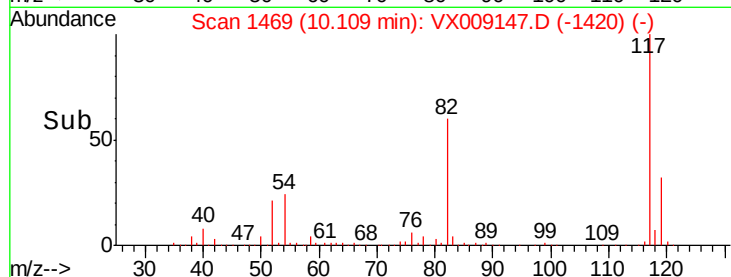
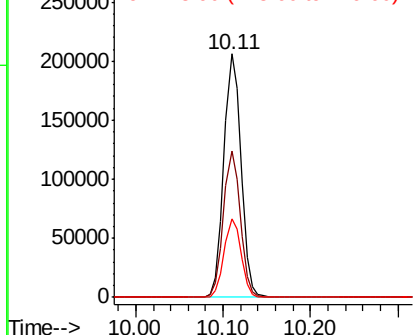
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tgt Ion:117 Resp: 278982
Ion Ratio Lower Upper
117 100
82 60.2 48.2 72.4
119 32.3 25.0 37.6

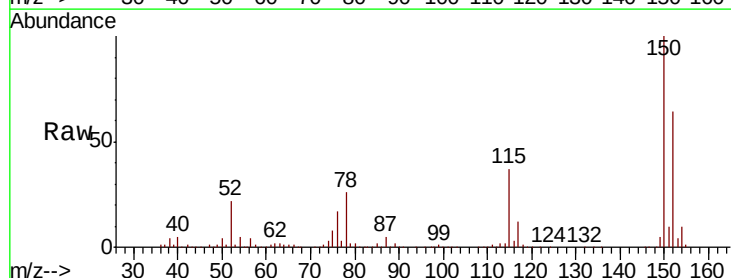


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

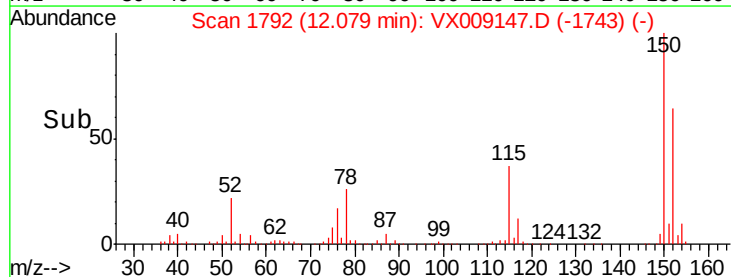
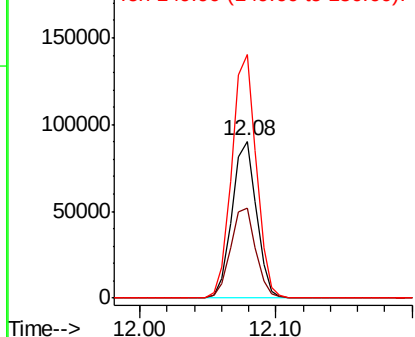


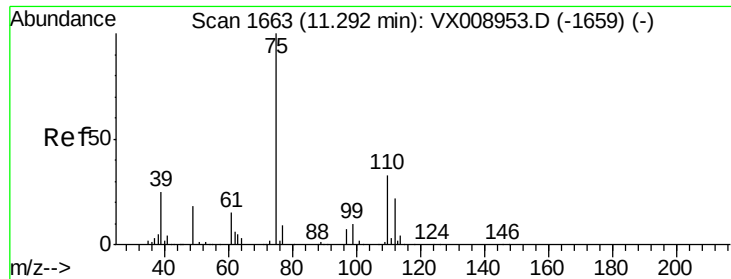
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009147.D
Acq: 24 Apr 2019 17:38

Tgt Ion:152 Resp: 112994
Ion Ratio Lower Upper
152 100
115 59.2 41.4 124.2
150 156.0 0.0 349.8



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: 23.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Instrument :

MSVOA_X

ClientSampleId :

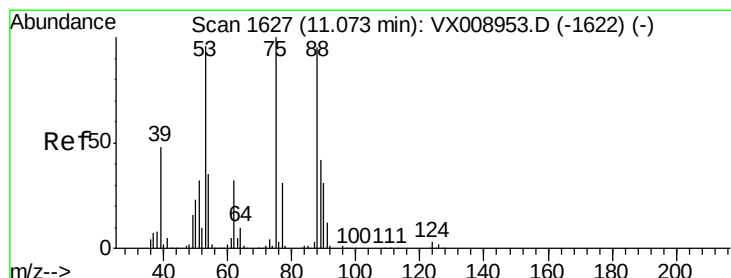
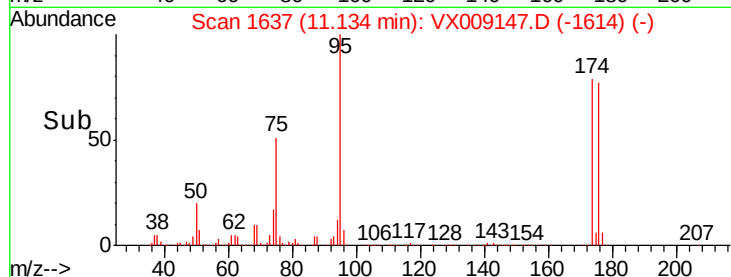
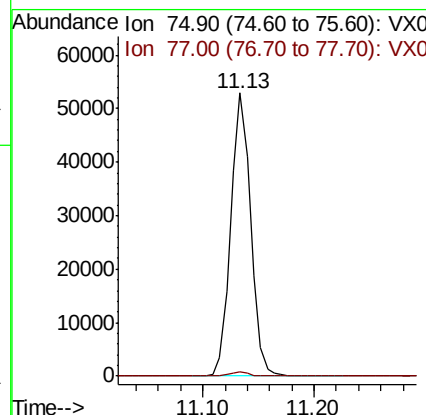
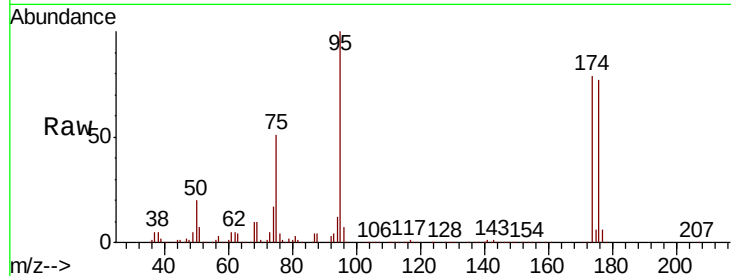
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Tgt Ion: 75 Resp: 65618

Ion Ratio Lower Upper

75 100

77 1.4 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.056 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009147.D

Acq: 24 Apr 2019 17:38

Tgt Ion: 75 Resp: 65618

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#

