

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010378.D
 Acq On : 21 Jun 2019 12:41
 Operator : JC/SP
 Sample : K3473-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 21 23:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	305333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	418818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193842	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	142884	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	5.50	113	142644	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	8.71	98	551499	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	182254	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

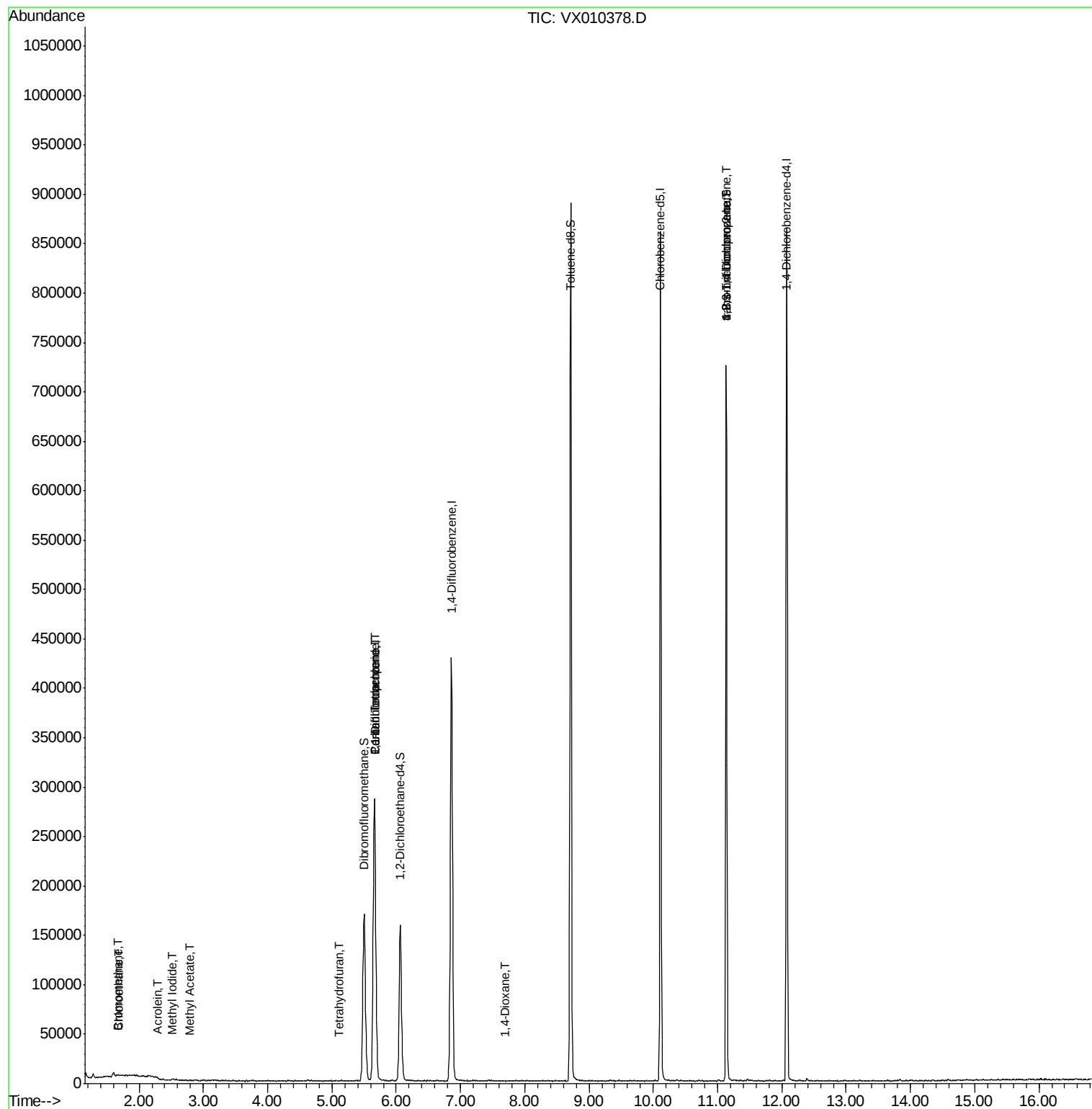
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	844	0.640	ug/l #	50
6) Chloroethane	1.70	64	515	0.322	ug/l #	72
10) Methyl Iodide	2.51	142	1135	0.306	ug/l #	91
13) Acrolein	2.29	56	542	1.091	ug/l	89
18) Methyl Acetate	2.78	43	685	0.240	ug/l #	74
29) Tetrahydrofuran	5.12	42	435	0.334	ug/l #	39
36) 1,1-Dichloropropene	5.66	75	18718	4.984	ug/l #	43
38) Carbon Tetrachloride	5.67	117	26399	6.492	ug/l #	15
49) 1,4-Dioxane	7.69	88	21	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	85571	24.225	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	85571	56.515	ug/l #	16

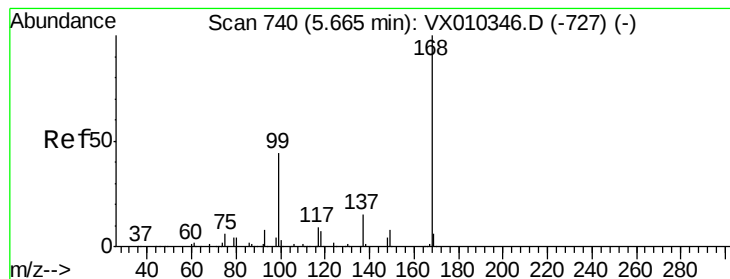
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

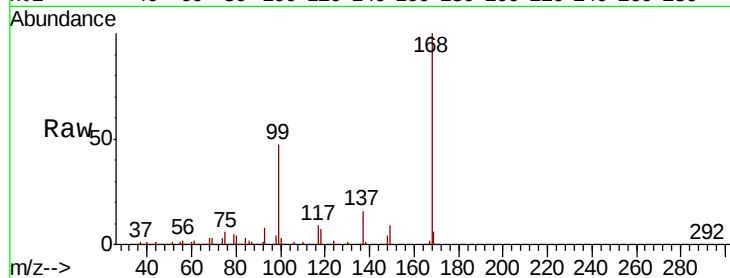
TRIP-BLANK

Tot Ion:168 Resp: 305333

Ion Ratio Lower Upper

168 100

99 47.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

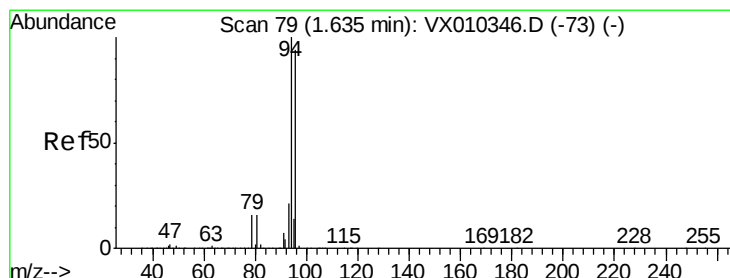
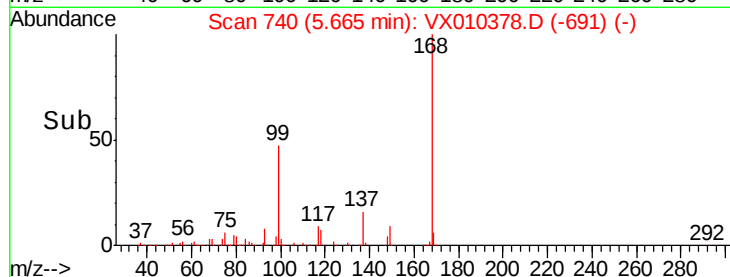
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.640 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010378.D

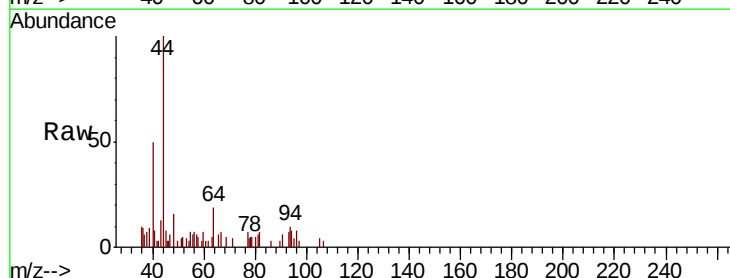
Acq: 21 Jun 2019 12:41

Tgt Ion: 94 Resp: 844

Ion Ratio Lower Upper

94 100

96 46.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

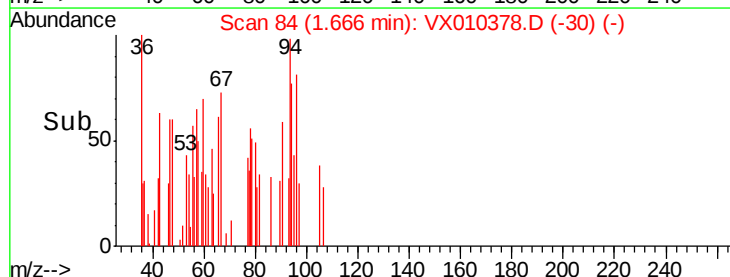
300

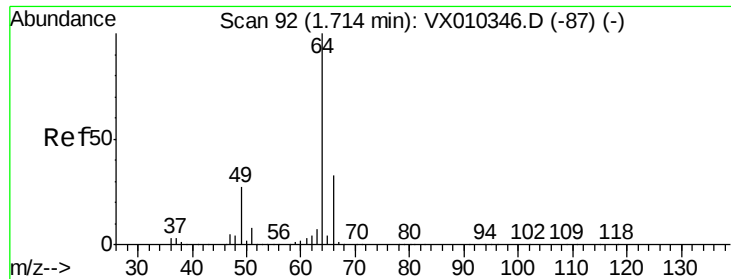
200

100

0

Time-->





#6

Chloroethane

Concen: 0.322 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

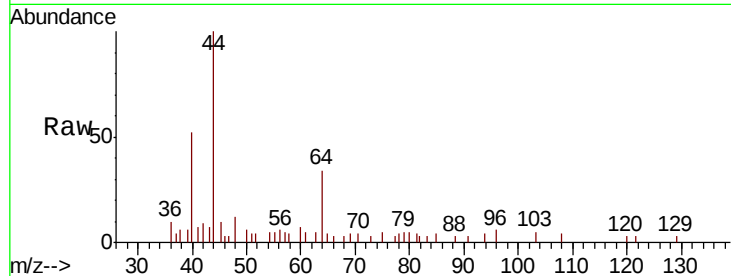
TRIP-BLANK

Tot Ion: 64 Resp: 515

Ion Ratio Lower Upper

64 100

66 17.6 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

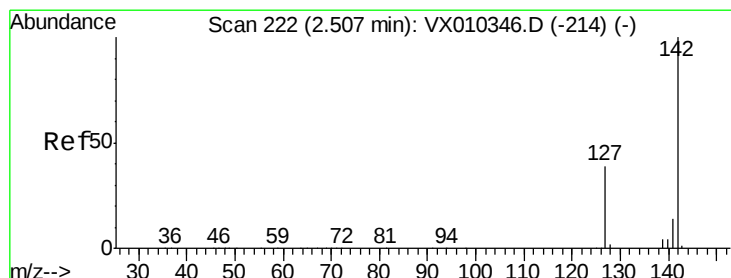
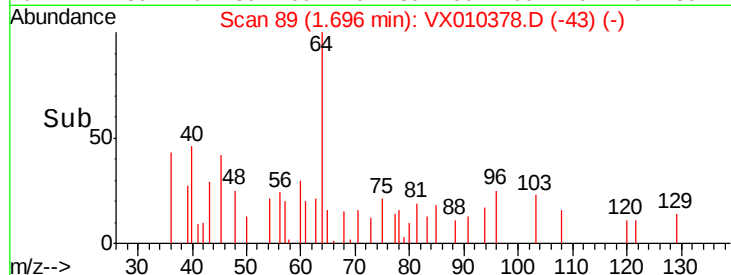
600

400

200

0

Time--> 1.66 1.68 1.70 1.72



#10

Methyl Iodide

Concen: 0.306 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

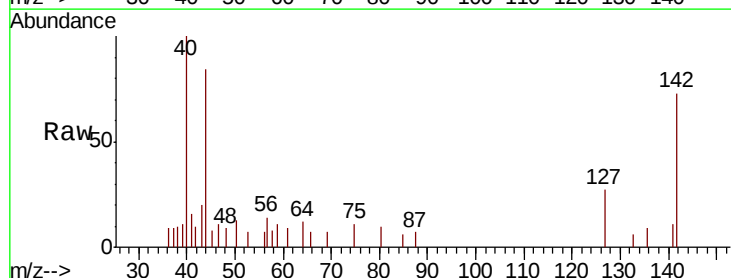
Tgt Ion: 142 Resp: 1135

Ion Ratio Lower Upper

142 100

127 43.1 31.1 46.7

141 19.8 11.2 16.8#



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

2.51

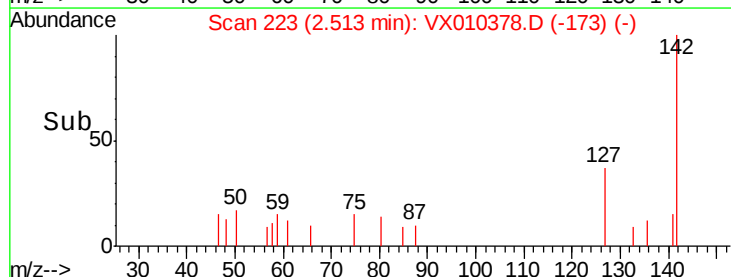
600

400

200

0

Time--> 2.45 2.50 2.55 2.60





#13

Acrolein

Concen: 1.091 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampled :

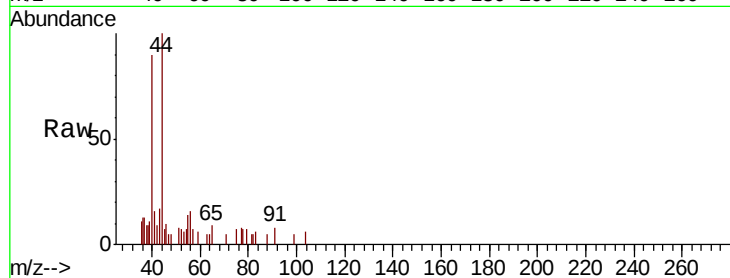
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Tot Ion: 56 Resp: 542

Ion Ratio Lower Upper

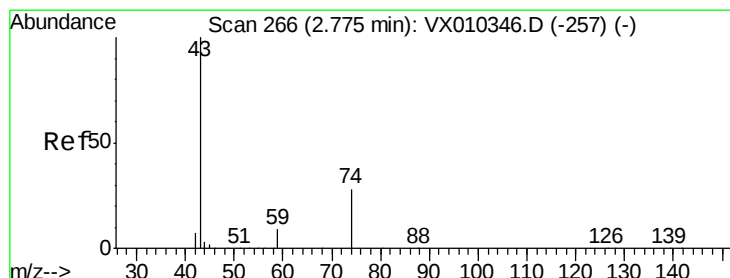
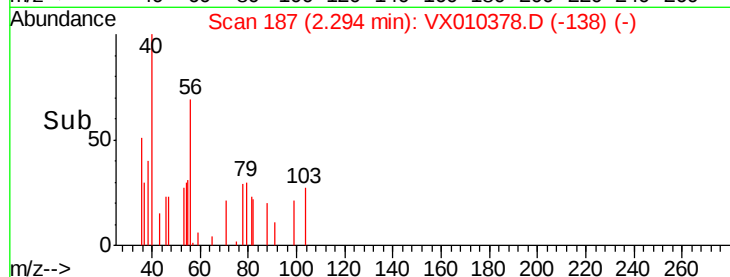
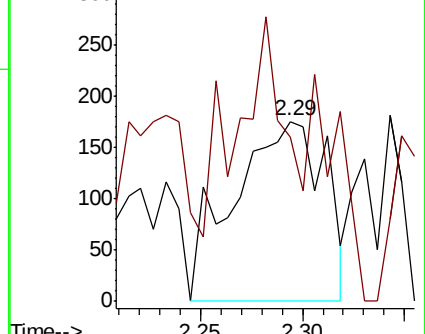
56 100

55 62.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#18

Methyl Acetate

Concen: 0.240 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010378.D

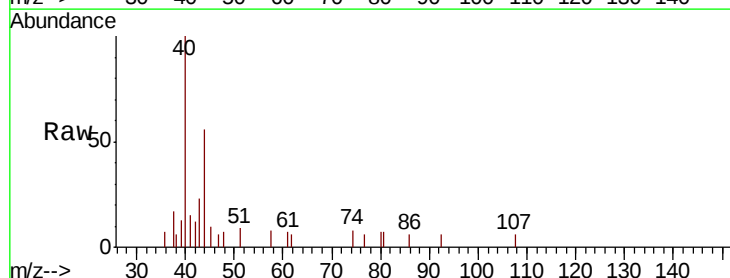
Acq: 21 Jun 2019 12:41

Tgt Ion: 43 Resp: 685

Ion Ratio Lower Upper

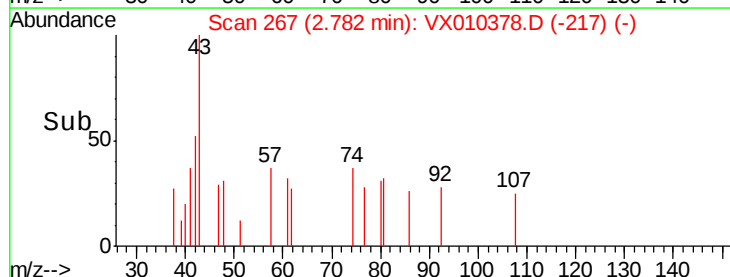
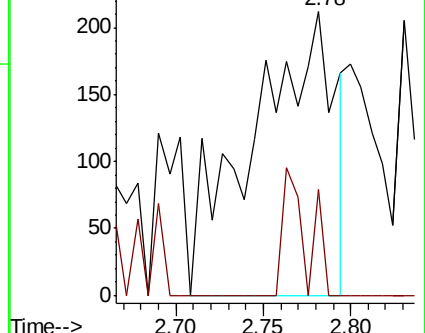
43 100

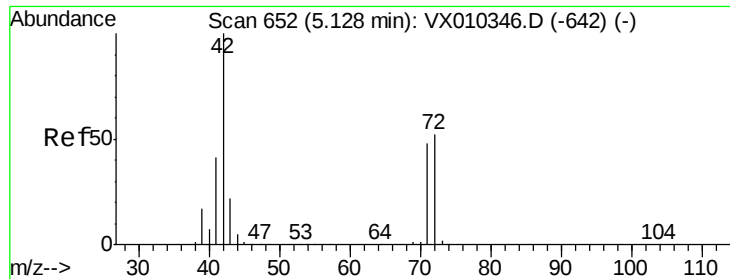
74 13.1 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

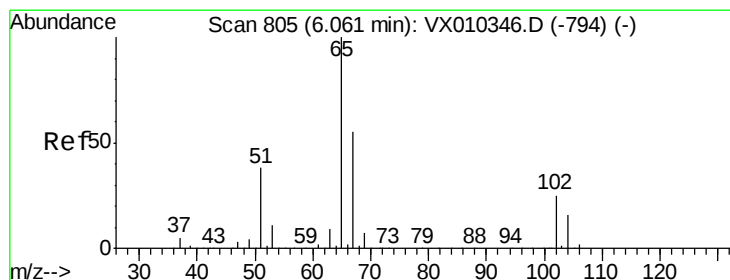
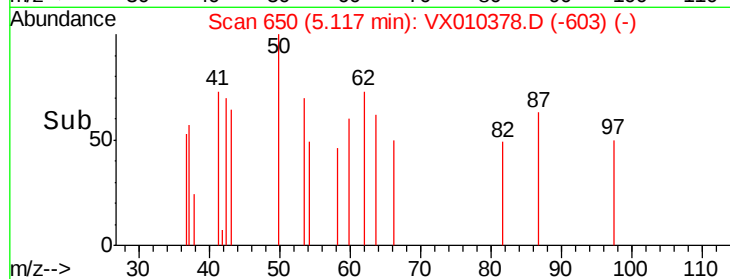
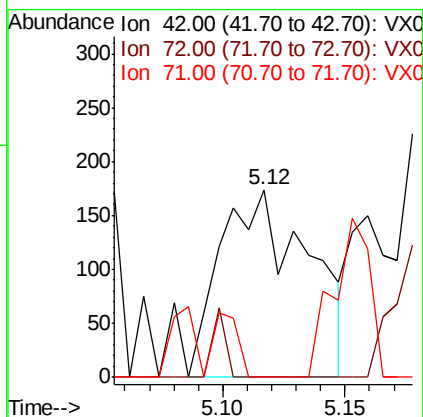
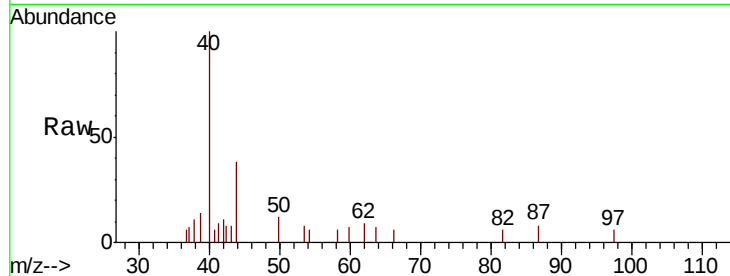




#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010378.D
Acq: 21 Jun 2019 12:41

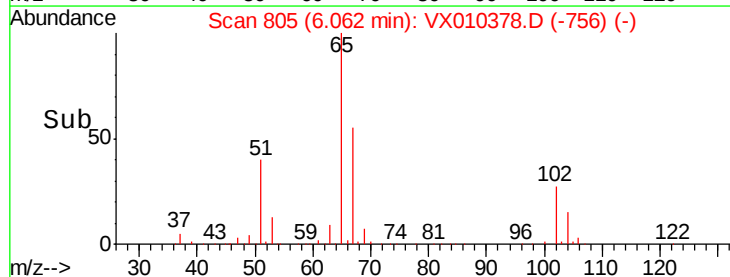
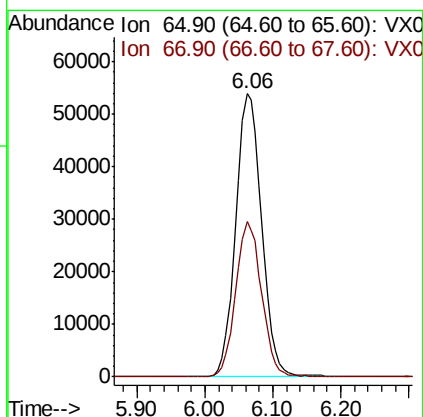
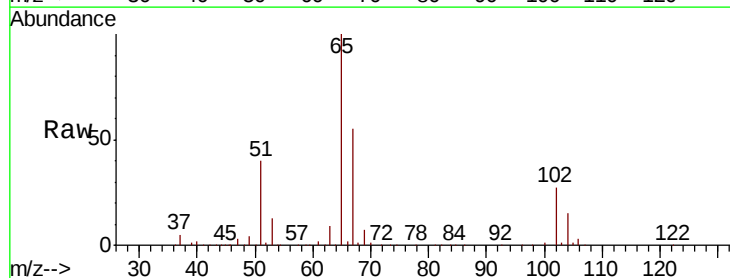
Instrument :
MSVOA_X
ClientSampleId :
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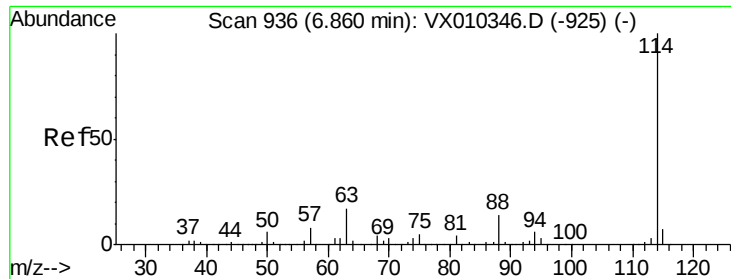
Tot Ion: 42 Resp: 435
Ion Ratio Lower Upper
42 100
72 5.3 40.6 60.8#
71 9.7 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 49.911 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010378.D
Acq: 21 Jun 2019 12:41

Tgt Ion: 65 Resp: 142884
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2

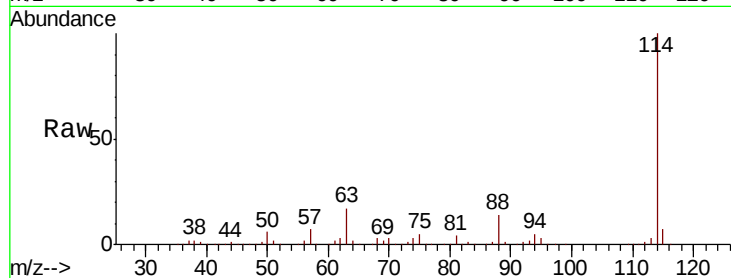




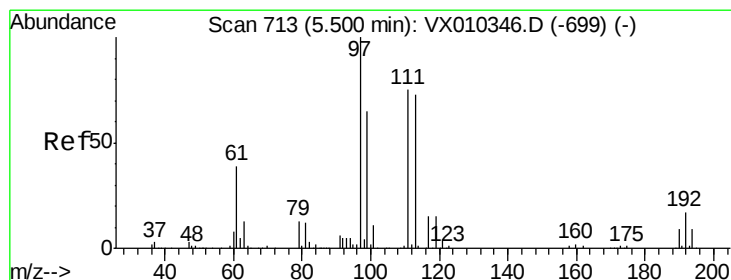
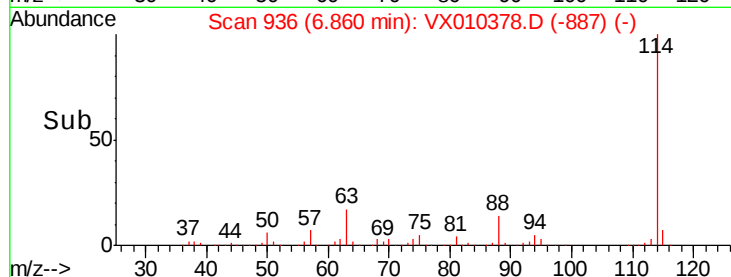
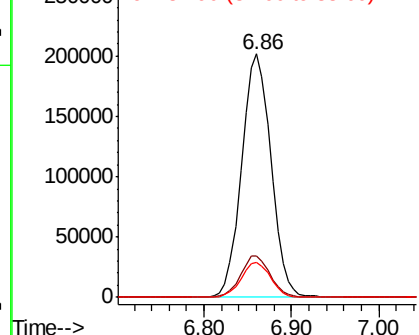
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010378.D
 Acq: 21 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion:114 Resp: 472575
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.5 0.0 27.6

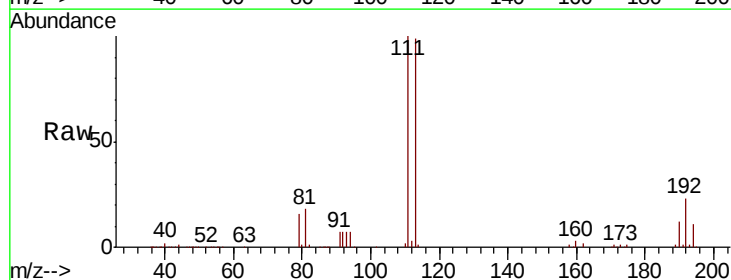


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

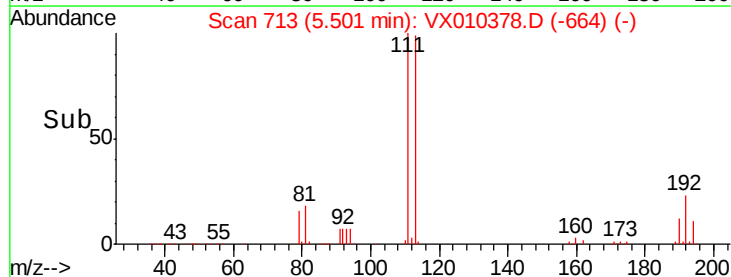
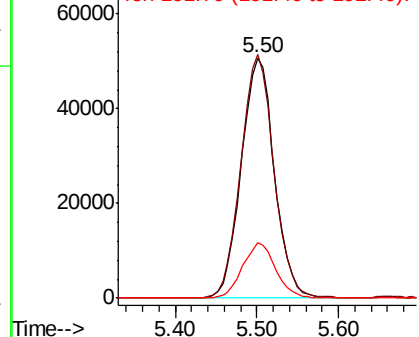


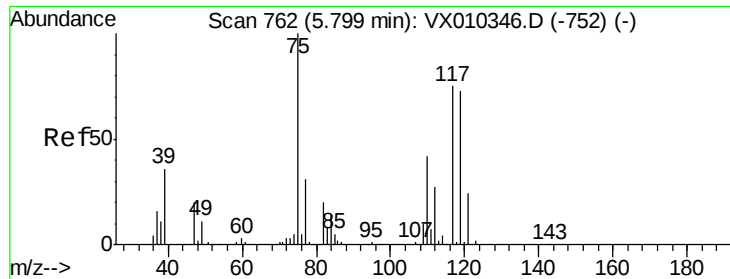
#35
 Dibromofluoromethane
 Concen: 49.334 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010378.D
 Acq: 21 Jun 2019 12:41

Tgt Ion:113 Resp: 142644
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.2 121.8
 192 23.0 18.6 27.8



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

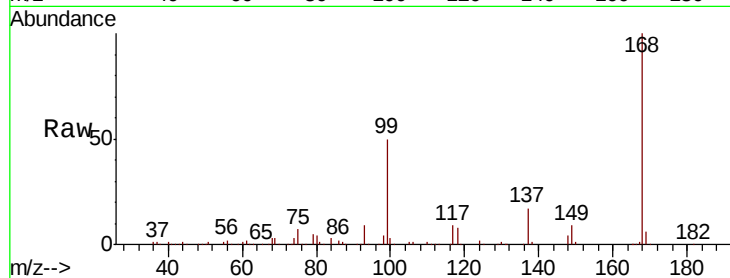




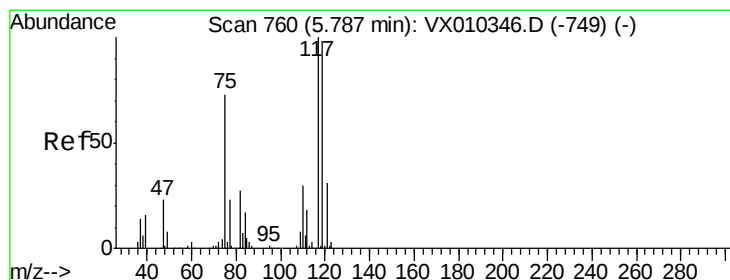
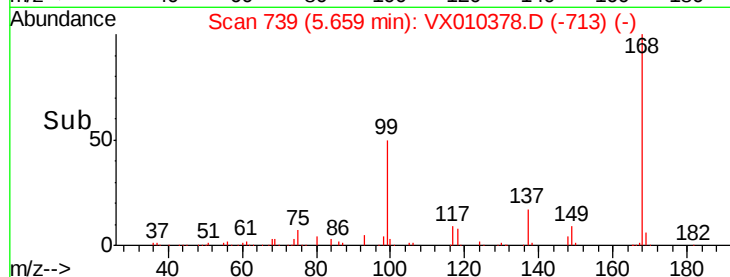
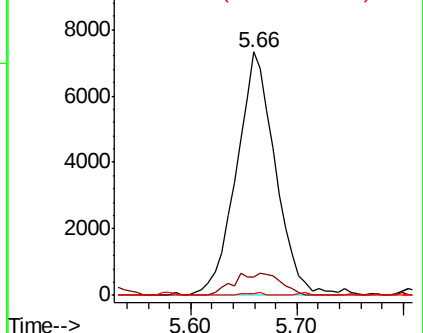
#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010378.D
 Acq: 21 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
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Tot Ion: 75 Resp: 18718
 Ion Ratio Lower Upper
 75 100
 110 5.4 20.8 62.2#
 77 0.6 25.4 38.0#

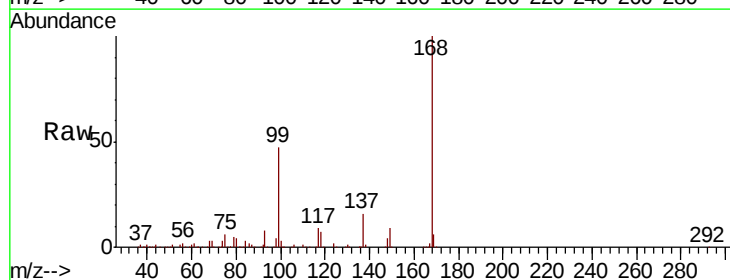


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

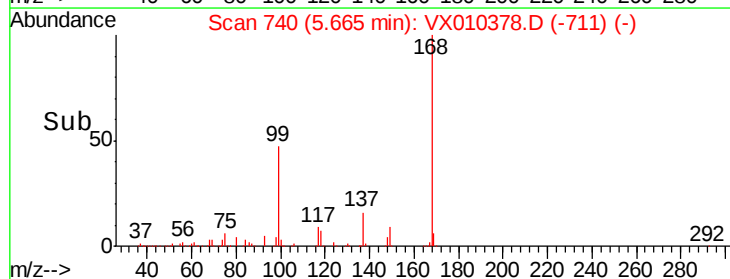
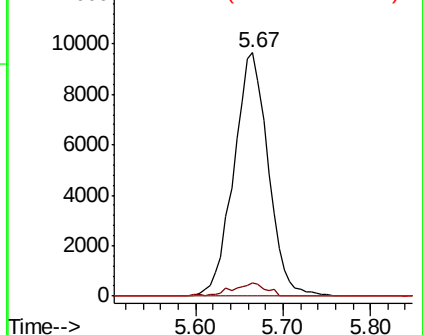


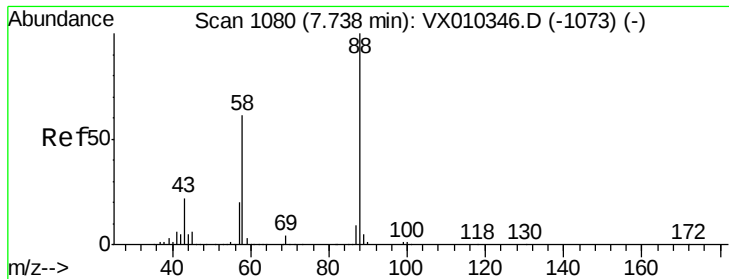
#38
 Carbon Tetrachloride
 Concen: 6.492 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010378.D
 Acq: 21 Jun 2019 12:41

Tgt Ion: 117 Resp: 26399
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.2 117.4#
 121 0.0 24.7 37.1#



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

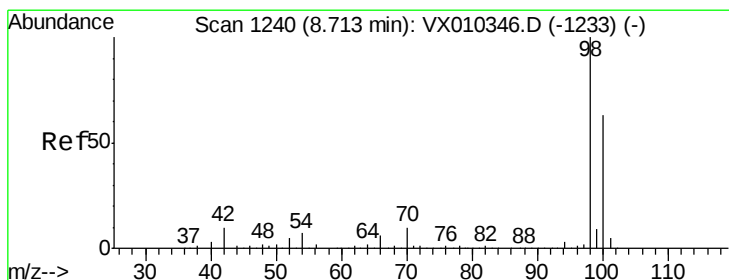
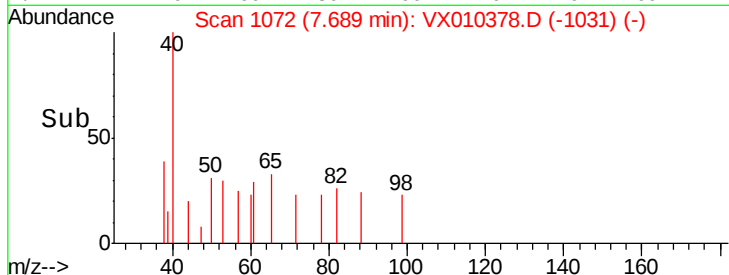
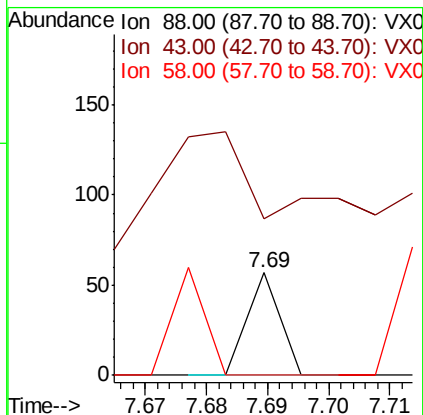
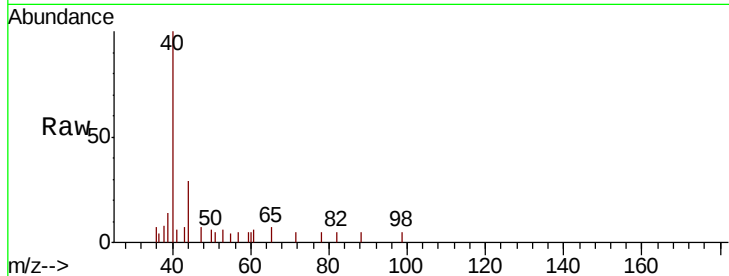




#49
1,4-Dioxane
Concen: 0.245 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.05 min
Lab File: VX010378.D
Acq: 21 Jun 2019 12:41

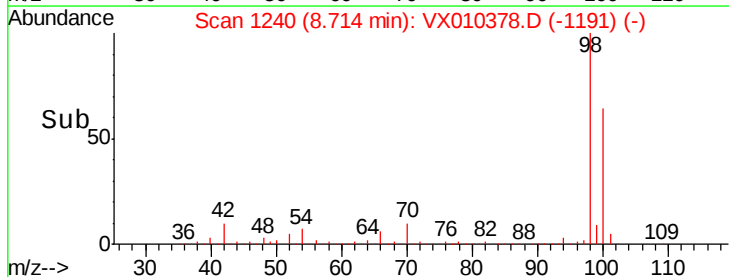
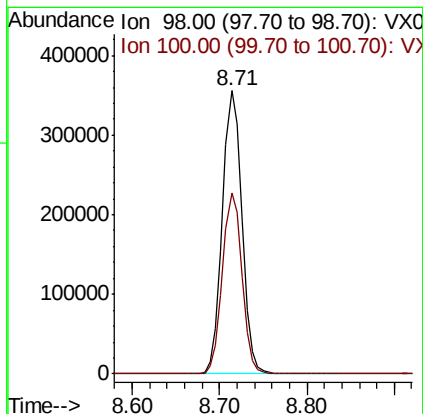
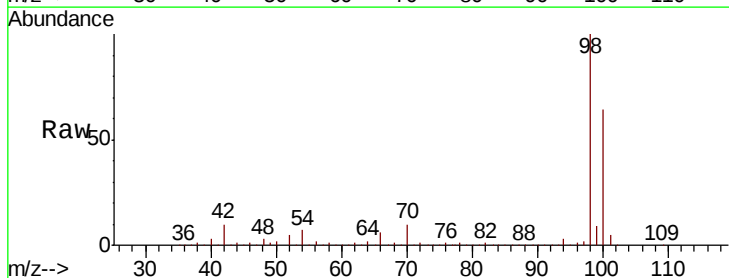
Instrument :
MSVOA_X
ClientSampled :
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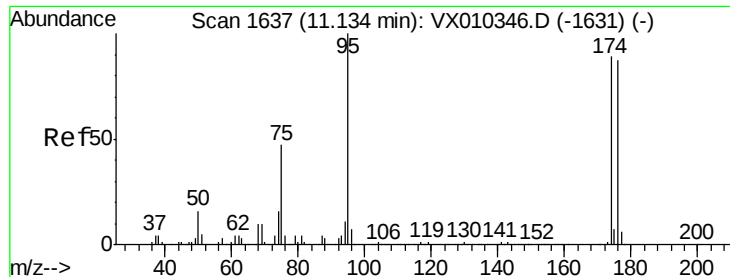
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 1200.0 20.2 30.2#
58 104.8 49.5 74.3#



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010378.D
Acq: 21 Jun 2019 12:41

Tgt Ion: 98 Resp: 551499
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 45.636 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

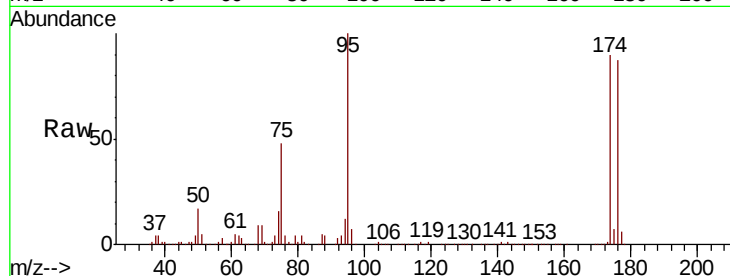
Tot Ion: 95 Resp: 182254

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.6

176 91.9 0.0 184.0

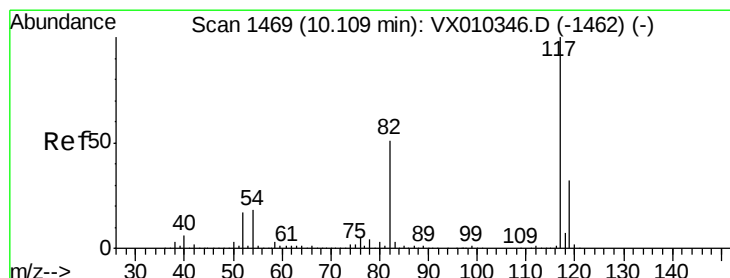
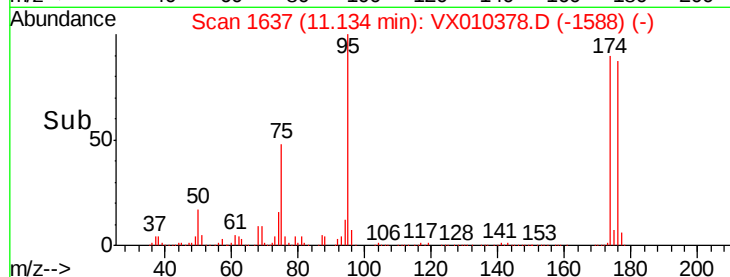
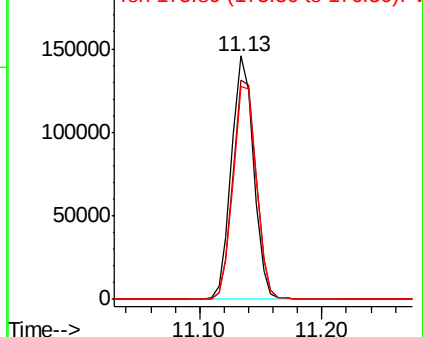


Abundance

Ion 94.90 (94.60 to 95.60): VX010378.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010378.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010378.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

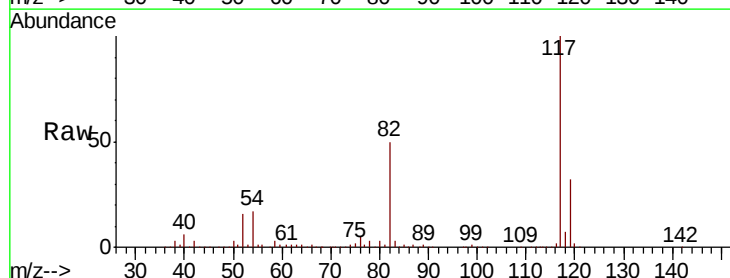
Tgt Ion: 117 Resp: 418818

Ion Ratio Lower Upper

117 100

82 49.9 41.2 61.8

119 32.3 25.5 38.3

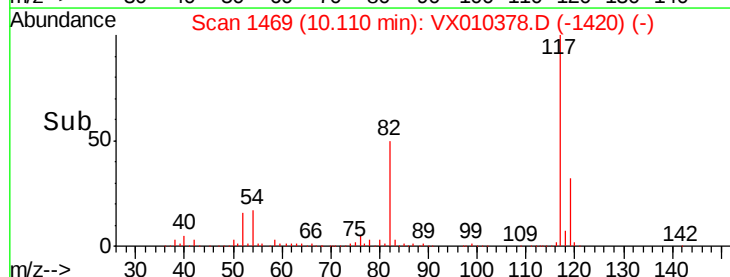
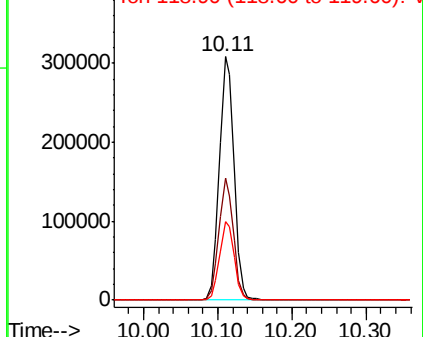


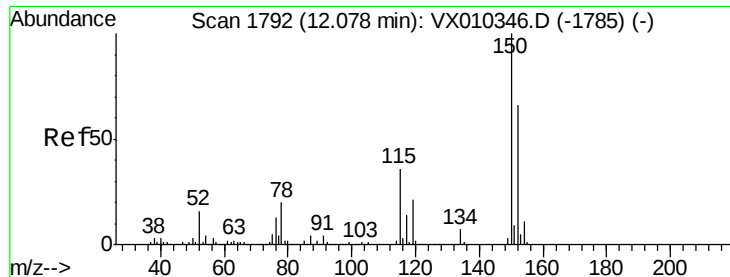
Abundance

Ion 116.90 (116.60 to 117.60): VX010378.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010378.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010378.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010378.D

Acq: 21 Jun 2019 12:41

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

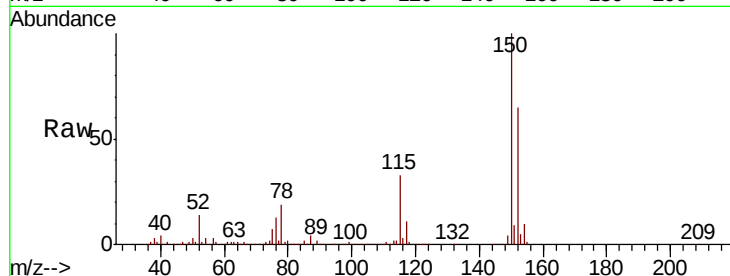
Tot Ion:152 Resp: 193842

Ion Ratio Lower Upper

152 100

115 53.6 38.6 115.7

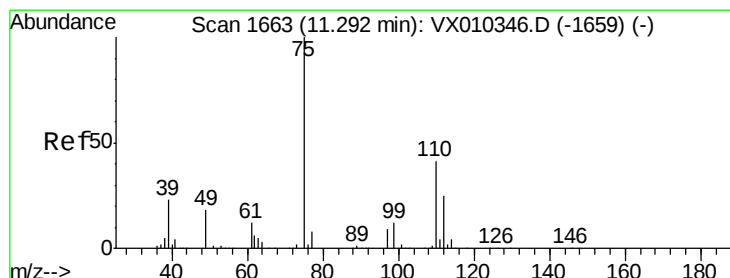
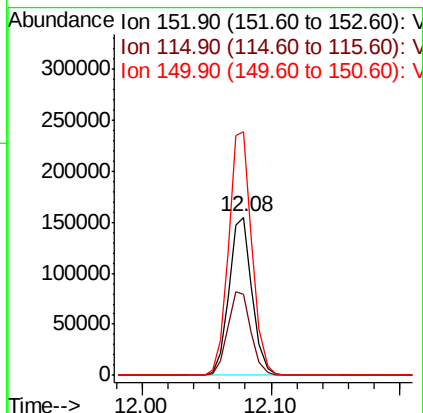
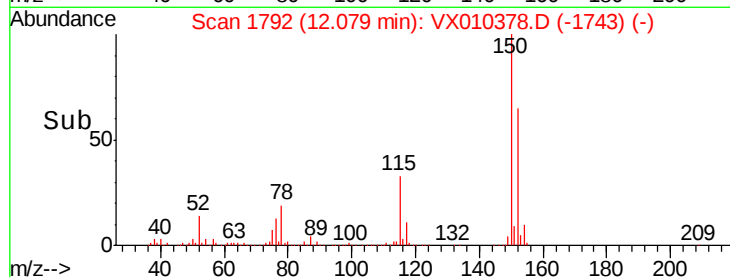
150 156.4 0.0 347.4



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: 24.225 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010378.D

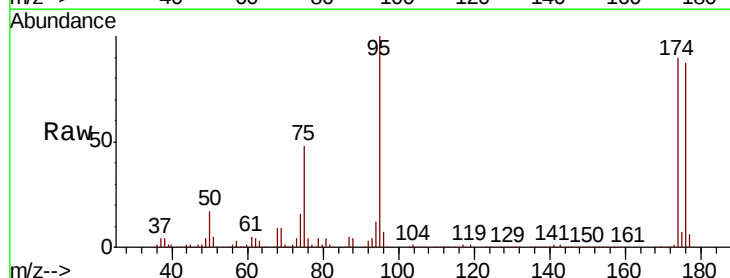
Acq: 21 Jun 2019 12:41

Tgt Ion: 75 Resp: 85571

Ion Ratio Lower Upper

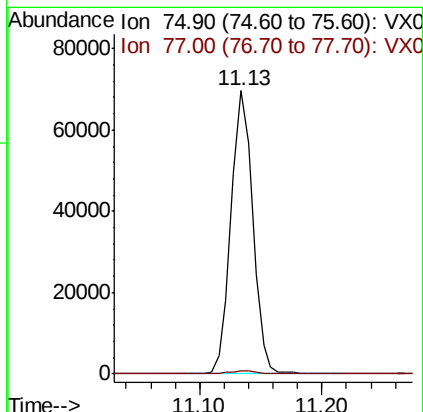
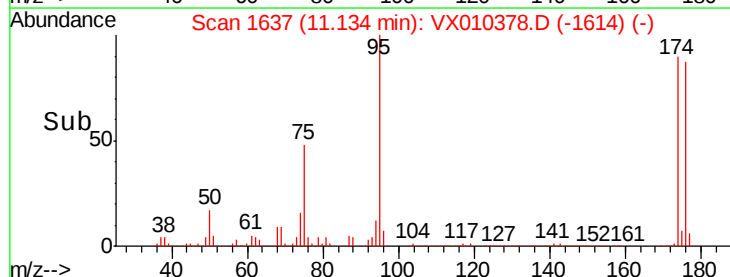
75 100

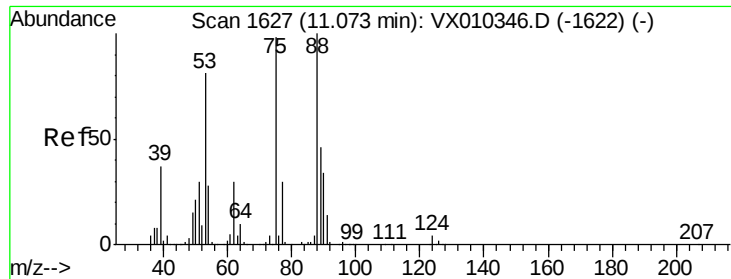
77 1.4 22.6 67.8#



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: 56.515 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010378.D
 Acq: 21 Jun 2019 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Tot Ion: 75 Resp: 85571
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

