

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010809.D
 Acq On : 11 Jul 2019 16:00
 Operator : JC/SP
 Sample : K3756-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SW001-SW-190710

Quant Time: Jul 12 06:55:28 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	227211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	355792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148545	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	116258	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
35) Dibromofluoromethane	5.50	113	109605	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	8.71	98	428605	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.13	95	145894	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

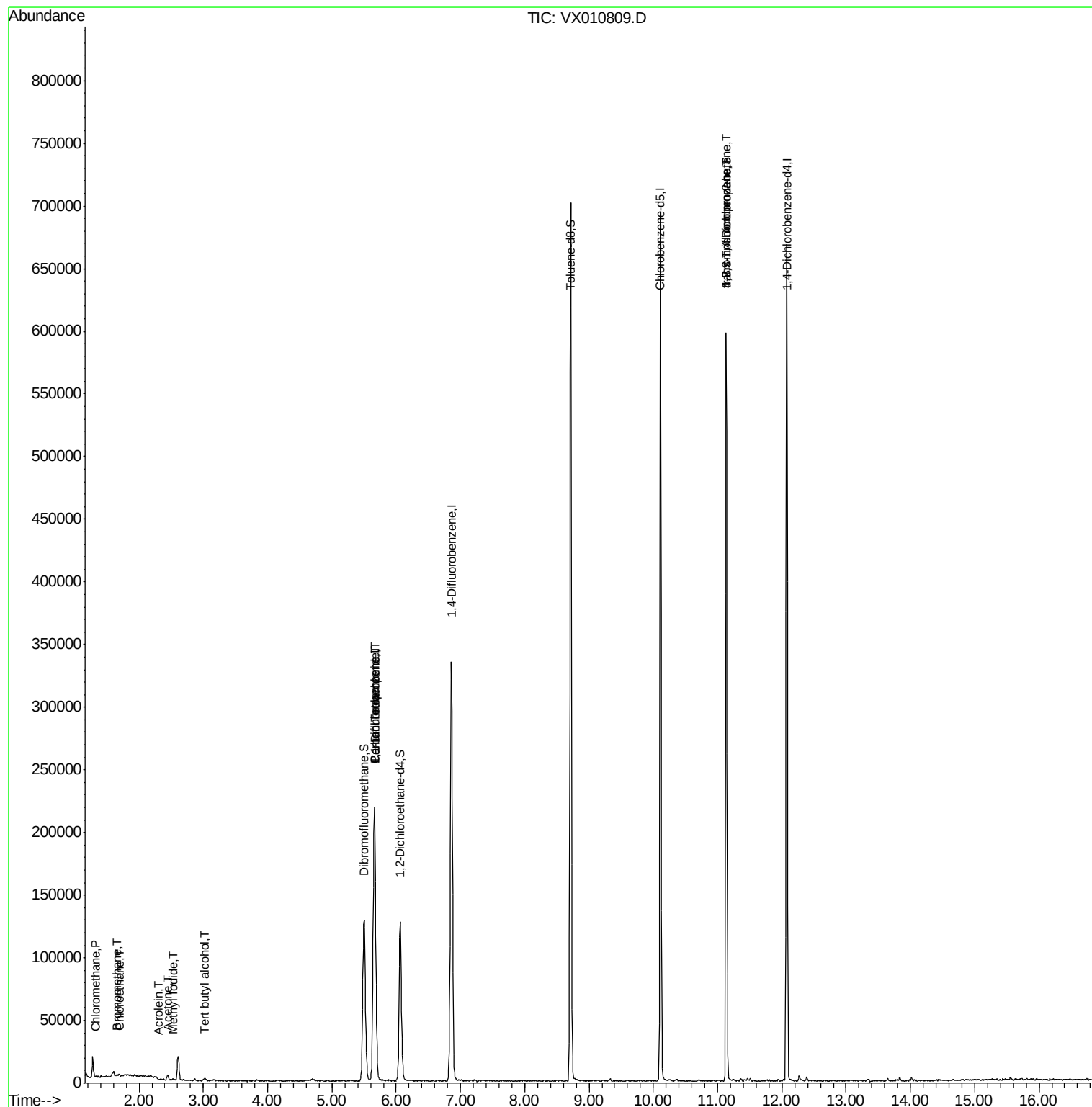
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	812	0.441	ug/l	94
5) Bromomethane	1.65	94	474	0.483	ug/l #	58
6) Chloroethane	1.70	64	253	0.213	ug/l #	62
10) Methyl Iodide	2.53	142	889	0.322	ug/l #	95
11) Tert butyl alcohol	3.02	59	1316	2.361	ug/l	95
13) Acrolein	2.31	56	258	0.698	ug/l #	68
16) Acetone	2.45	43	5021	4.703	ug/l	98
36) 1,1-Dichloropropene	5.67	75	14720	5.206	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21103	6.893	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	72089	26.632	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72089	62.129	ug/l #	16

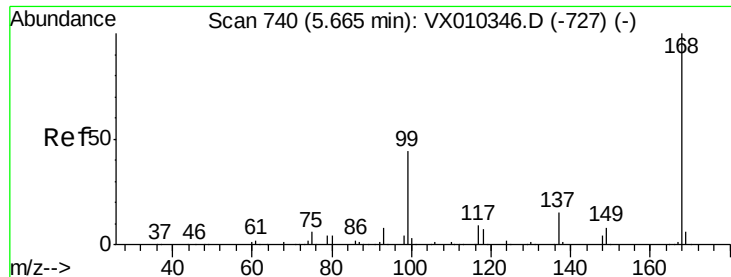
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

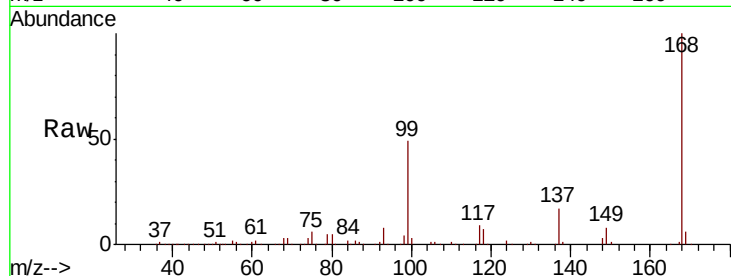
KY030SW001-SW-190710

Tot Ion:168 Resp: 227211

Ion Ratio Lower Upper

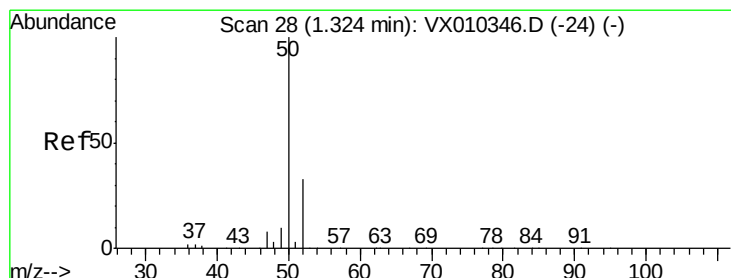
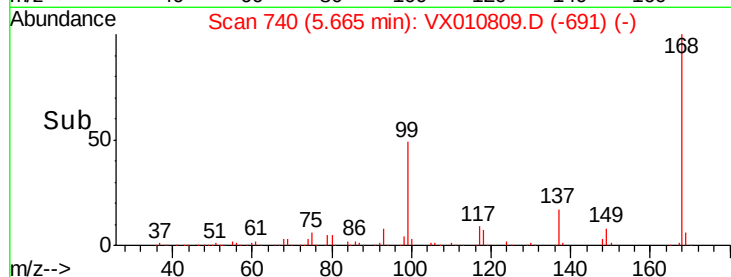
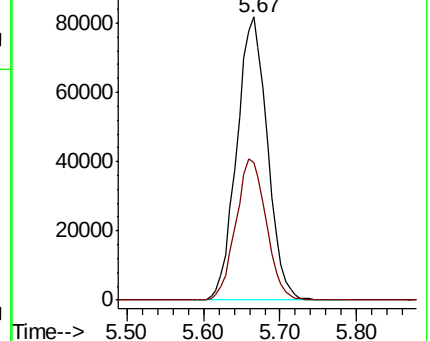
168 100

99 48.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.441 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010809.D

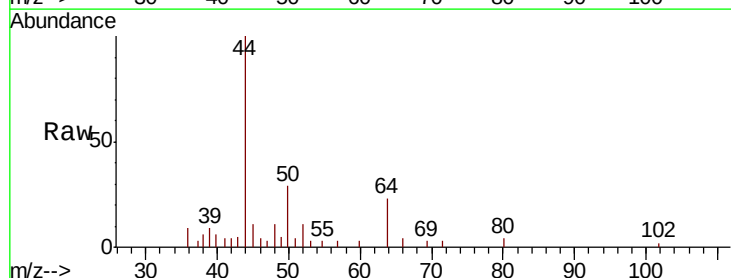
Acq: 11 Jul 2019 16:00

Tgt Ion: 50 Resp: 812

Ion Ratio Lower Upper

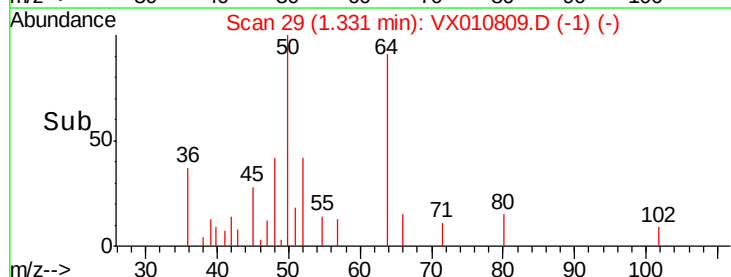
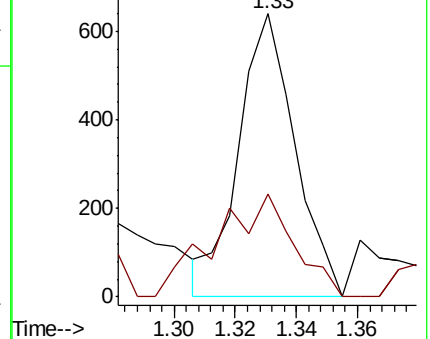
50 100

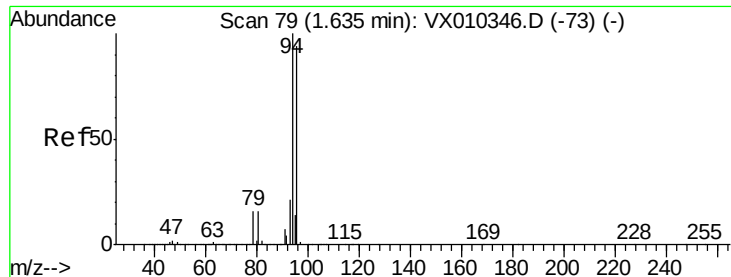
52 36.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.483 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

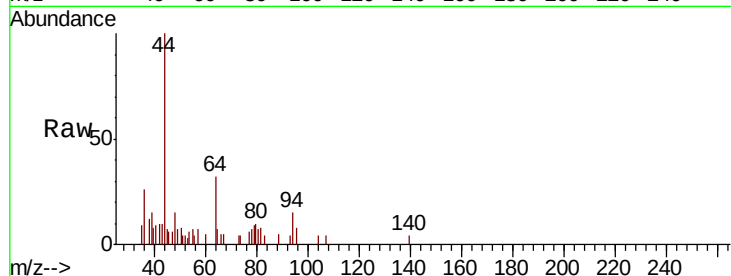
KY030SW001-SW-190710

Tot Ion: 94 Resp: 474

Ion Ratio Lower Upper

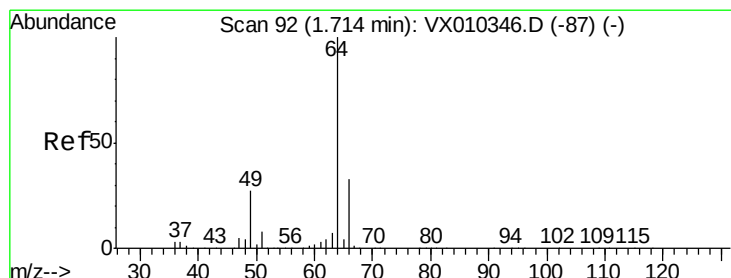
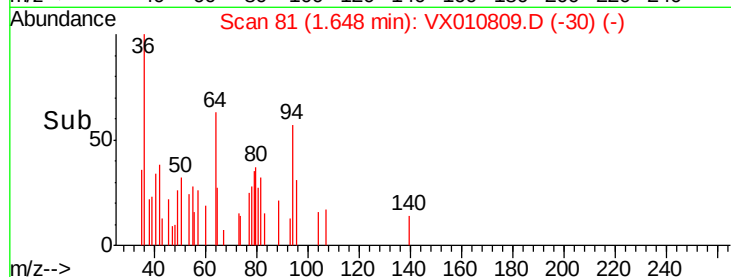
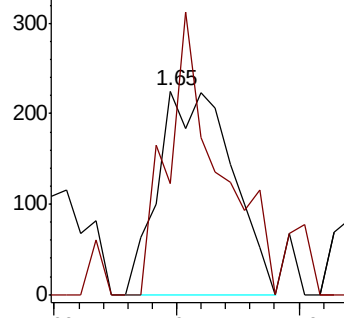
94 100

96 54.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010809.D

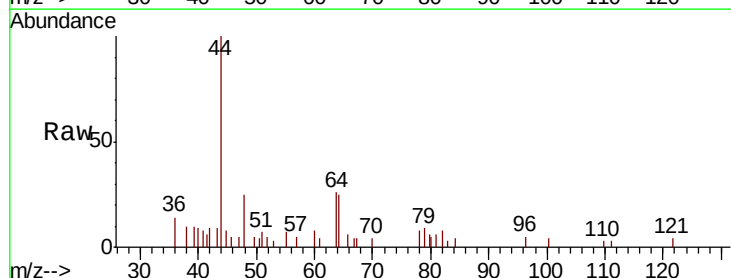
Acq: 11 Jul 2019 16:00

Tgt Ion: 64 Resp: 253

Ion Ratio Lower Upper

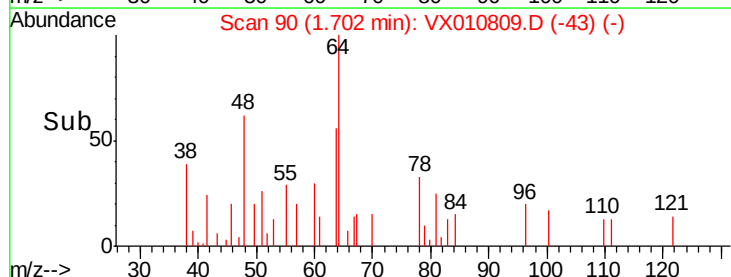
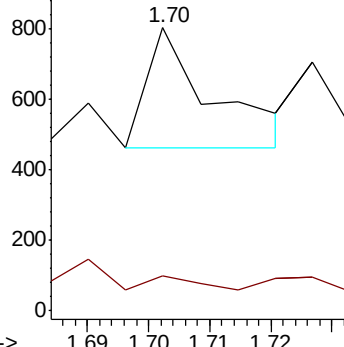
64 100

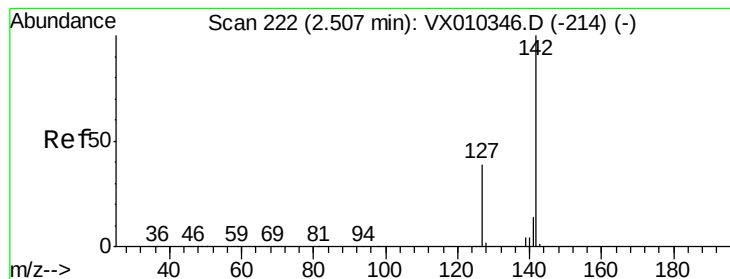
66 11.5 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.322 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

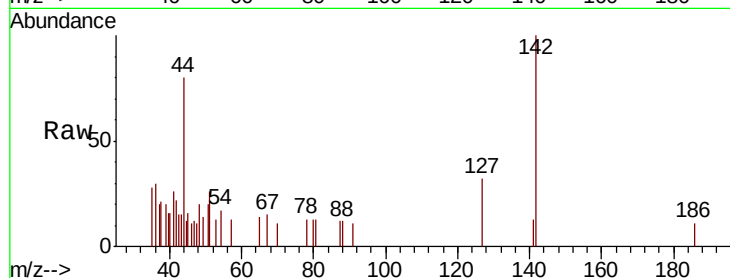
Tot Ion:142 Resp: 889

Ion Ratio Lower Upper

142 100

127 41.7 31.1 46.7

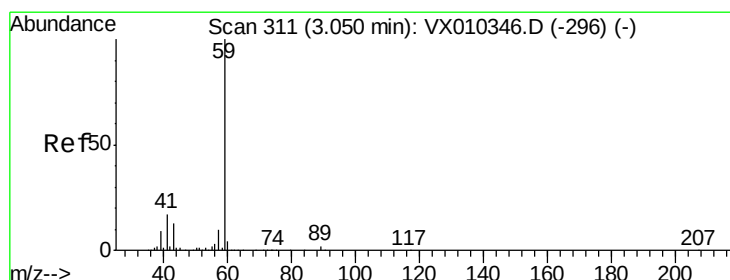
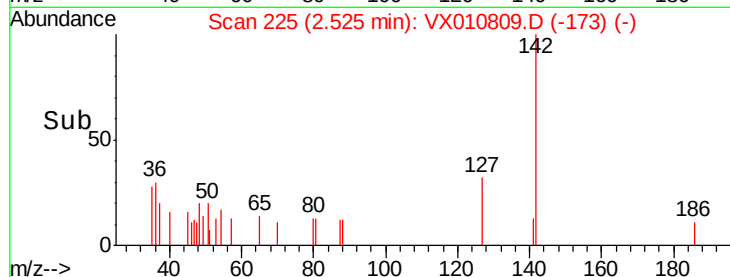
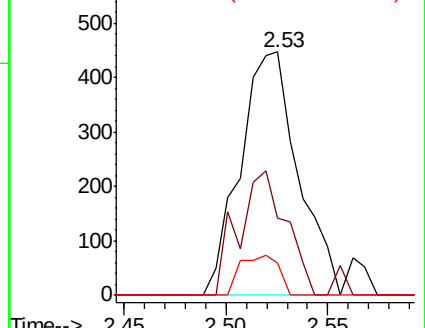
141 10.8 11.2 16.8#



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



#11

Tert butyl alcohol

Concen: 2.361 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010809.D

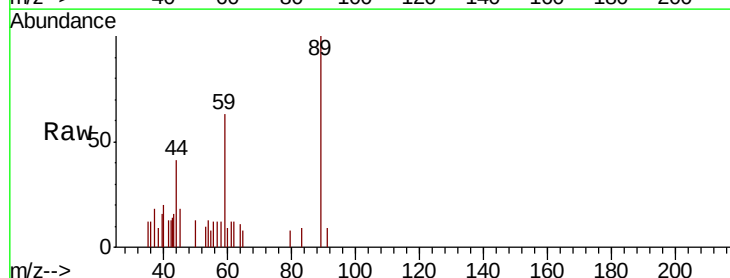
Acq: 11 Jul 2019 16:00

Tgt Ion: 59 Resp: 1316

Ion Ratio Lower Upper

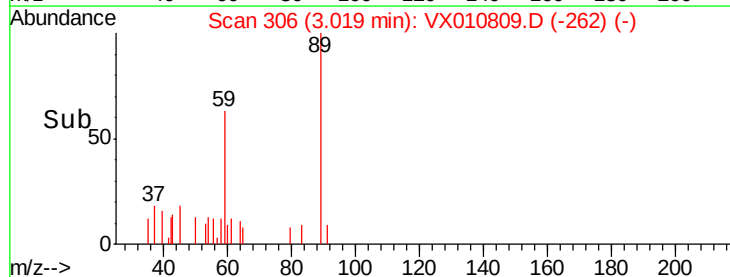
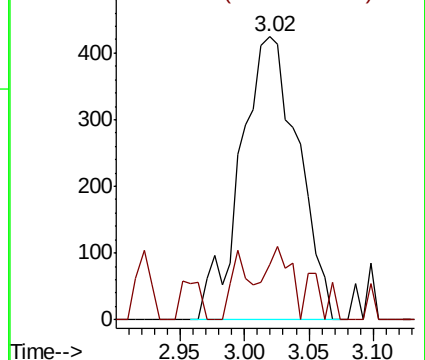
59 100

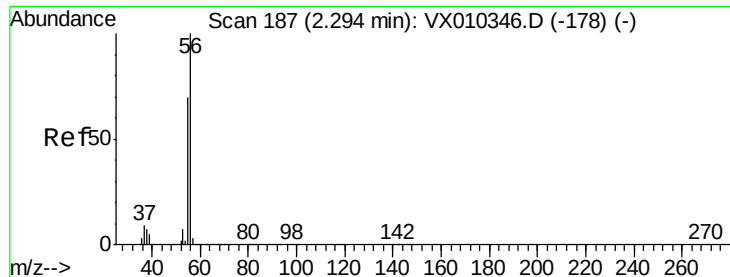
57 11.4 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.698 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

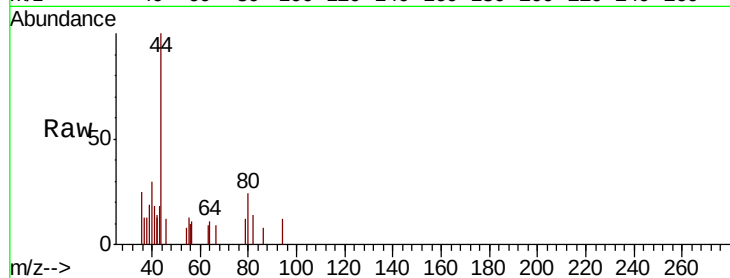
KY030SW001-SW-190710

Tot Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 97.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

150

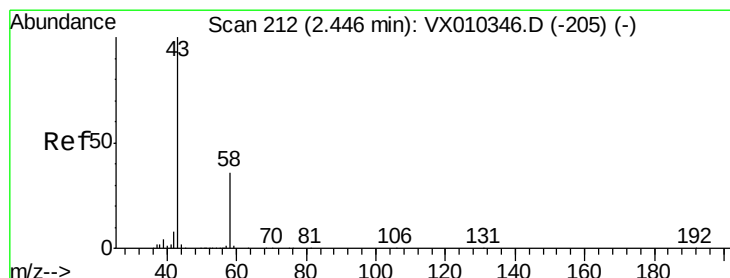
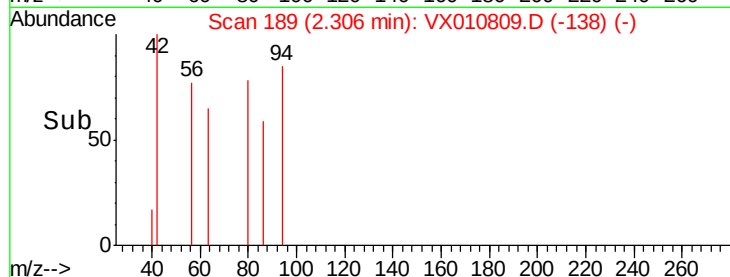
100

50

0

2.25 2.30

Time-->



#16

Acetone

Concen: 4.703 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010809.D

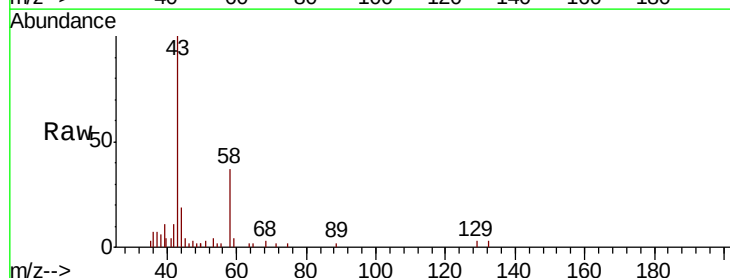
Acq: 11 Jul 2019 16:00

Tgt Ion: 43 Resp: 5021

Ion Ratio Lower Upper

43 100

58 34.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

2500

2000

1500

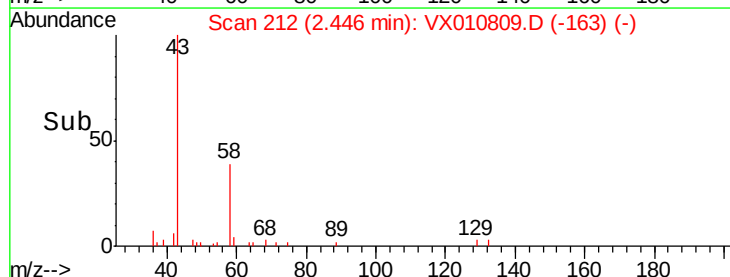
1000

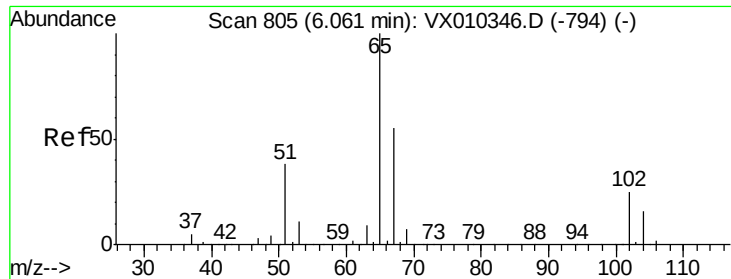
500

0

2.35 2.40 2.45 2.50

Time-->

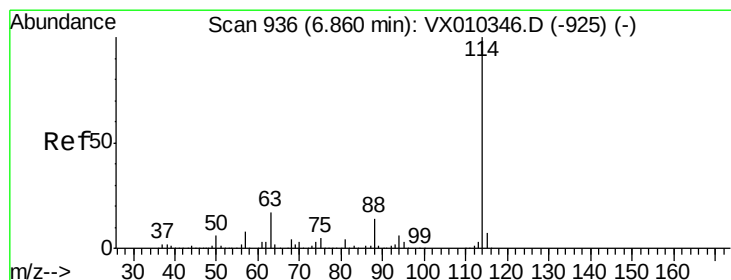
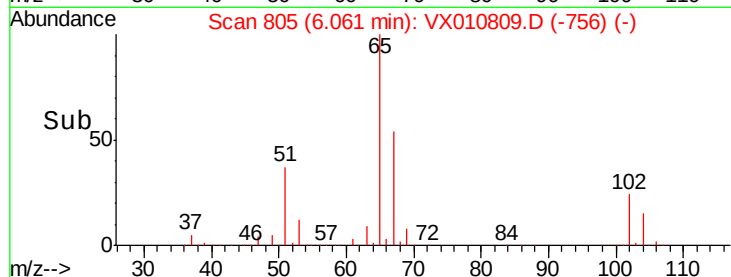
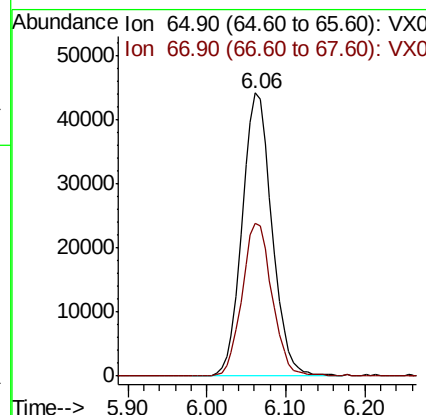
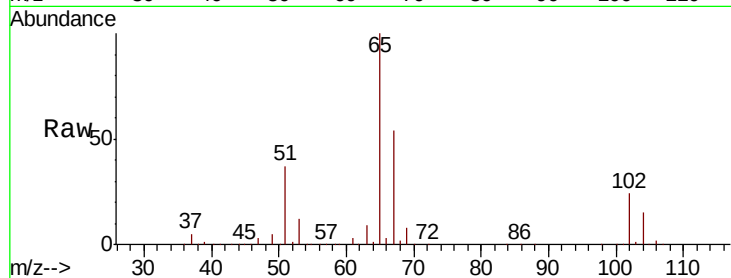




#33
 1,2-Dichloroethane-d4
 Concen: 54.573 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010809.D
 Acq: 11 Jul 2019 16:00

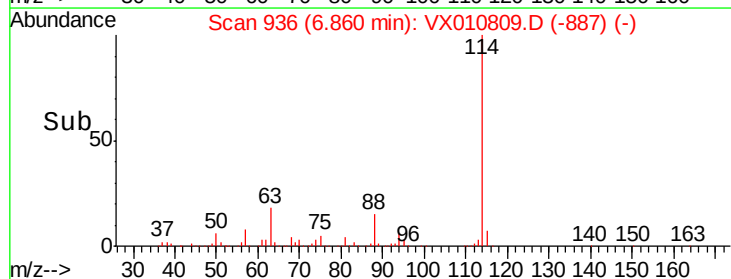
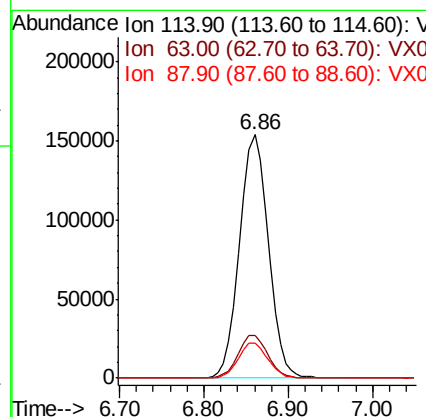
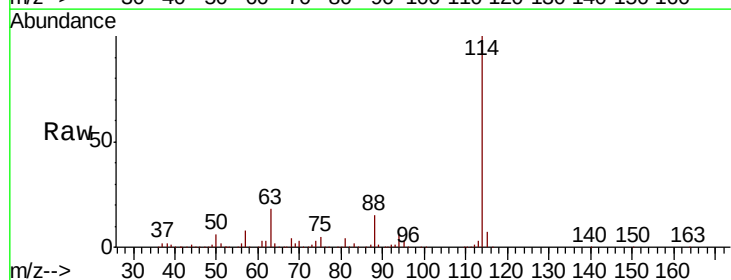
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030SW001-SW-190710

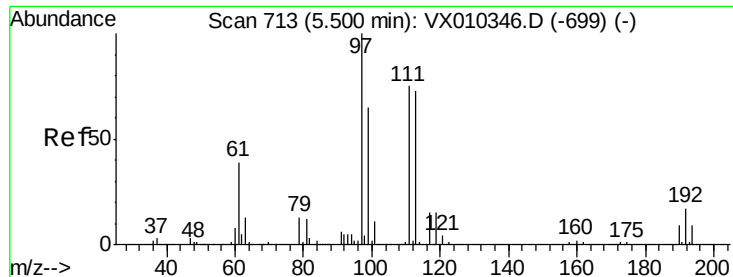
Tot Ion: 65 Resp: 116258
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010809.D
 Acq: 11 Jul 2019 16:00

Tgt Ion: 114 Resp: 355792
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 14.6 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.350 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

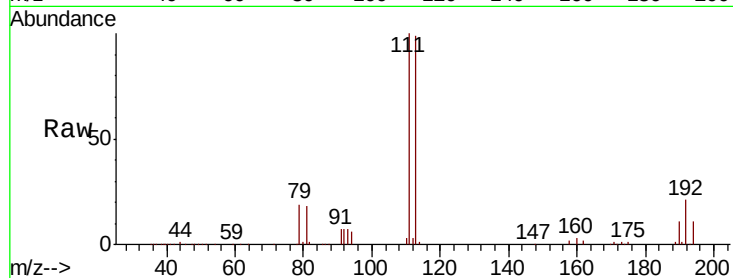
Tot Ion:113 Resp: 109605

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

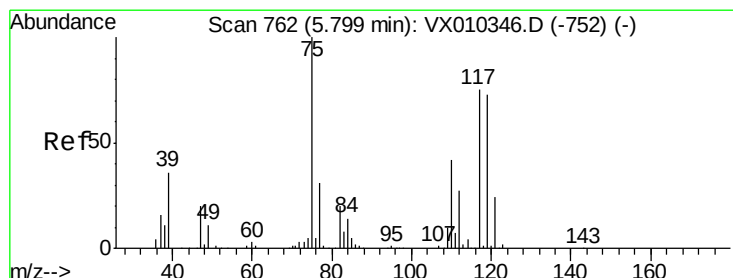
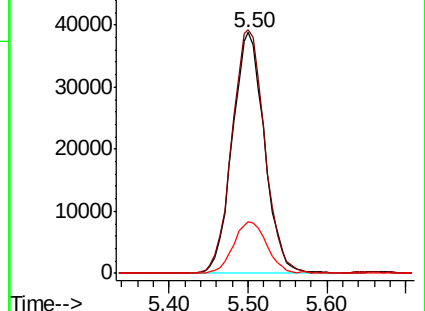
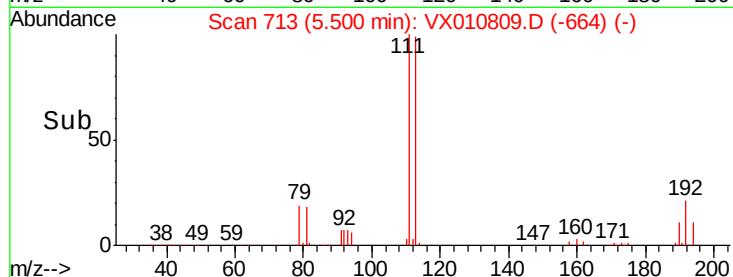
192 22.1 18.6 27.8



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: 5.206 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

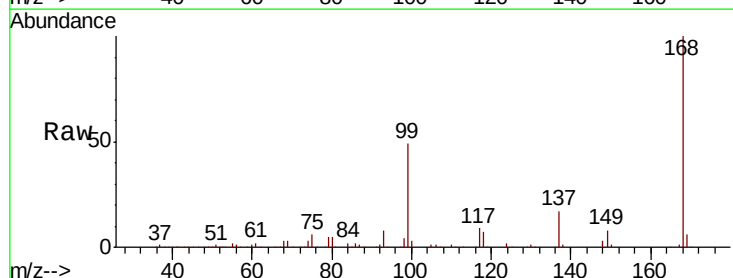
Tgt Ion: 75 Resp: 14720

Ion Ratio Lower Upper

75 100

110 10.8 20.8 62.2#

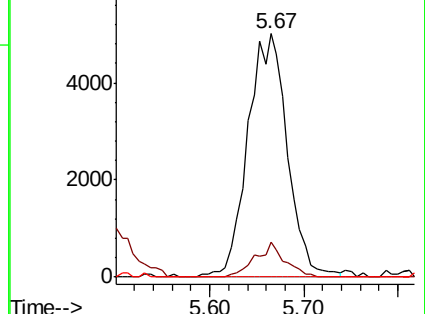
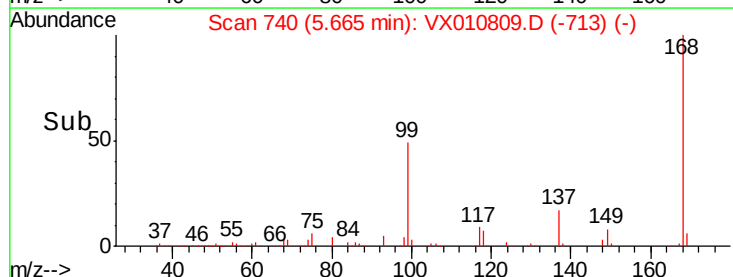
77 0.0 25.4 38.0#

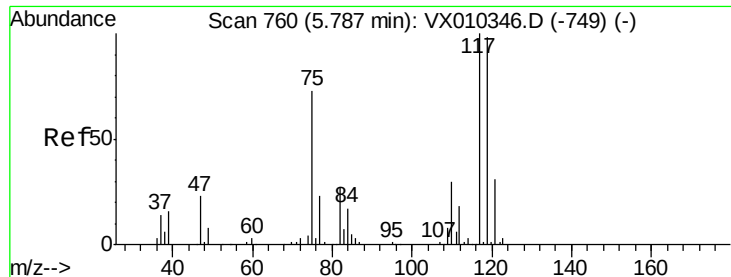


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.893 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

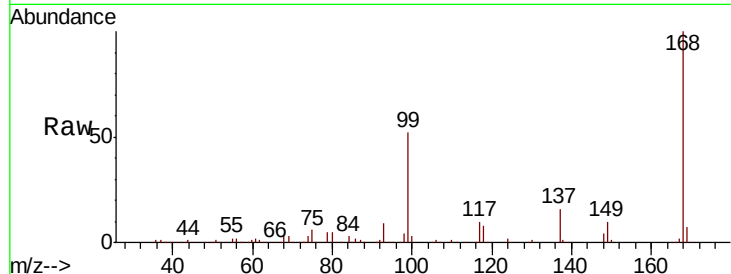
Tot Ion:117 Resp: 21103

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

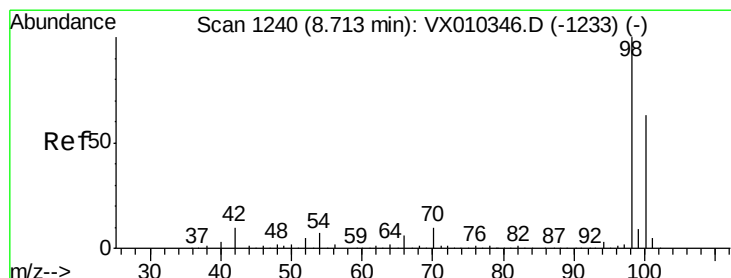
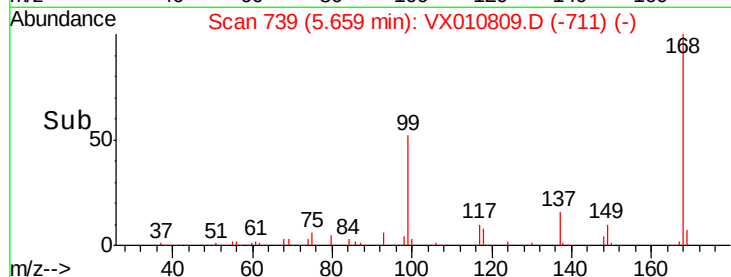
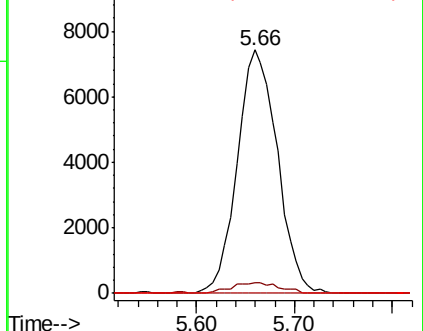
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.464 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010809.D

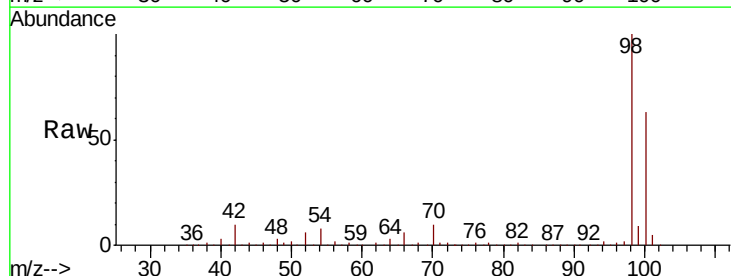
Acq: 11 Jul 2019 16:00

Tgt Ion: 98 Resp: 428605

Ion Ratio Lower Upper

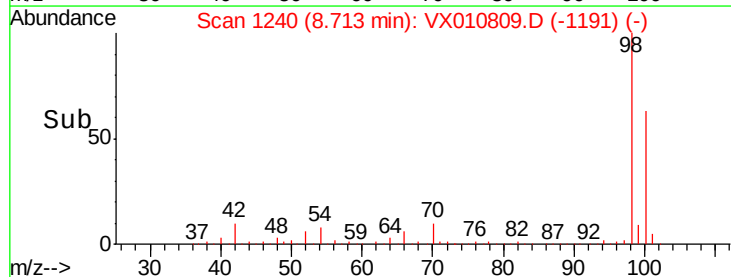
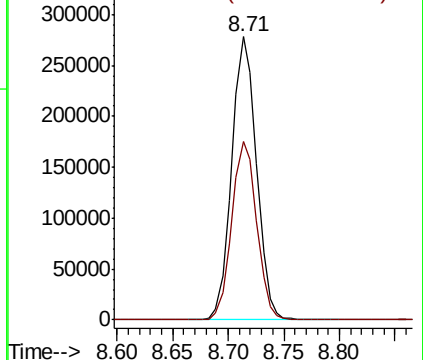
98 100

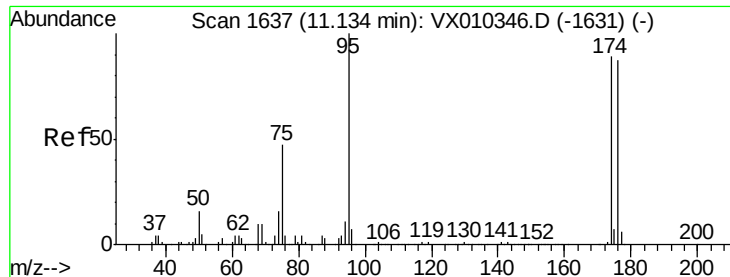
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.522 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

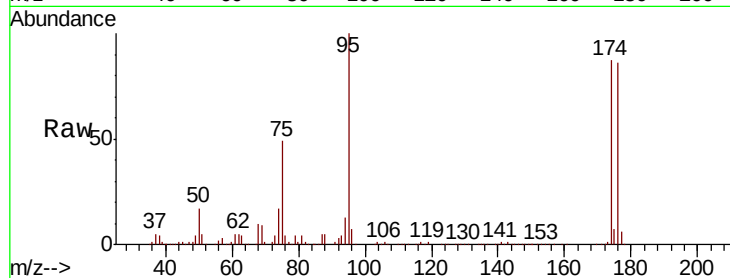
Tot Ion: 95 Resp: 145894

Ion Ratio Lower Upper

95 100

174 92.5 0.0 187.6

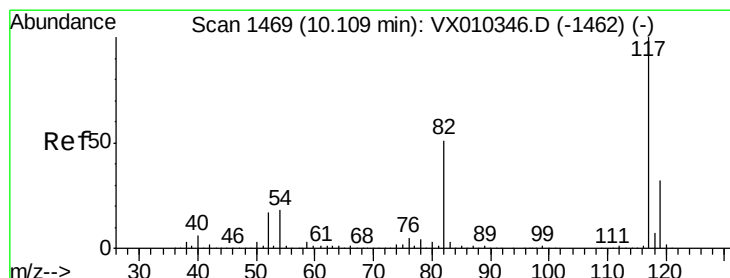
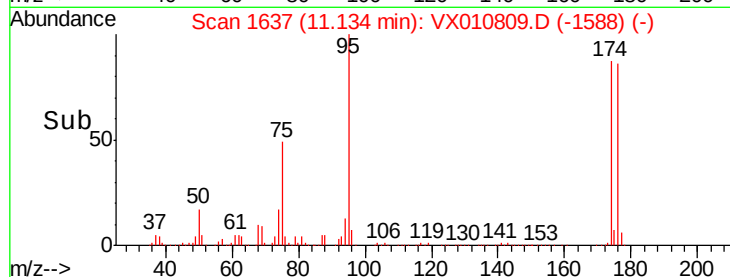
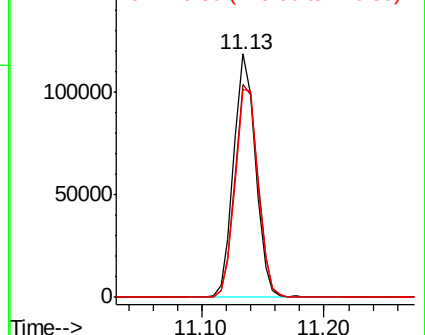
176 90.2 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

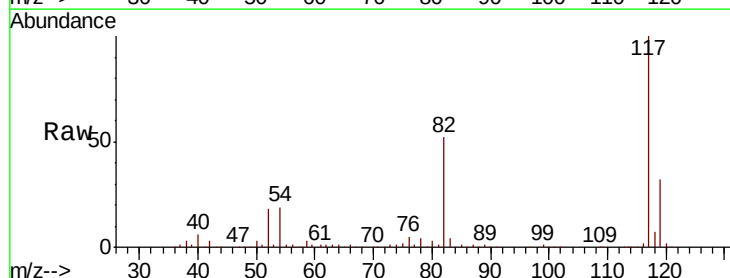
Tgt Ion: 117 Resp: 327373

Ion Ratio Lower Upper

117 100

82 51.7 41.2 61.8

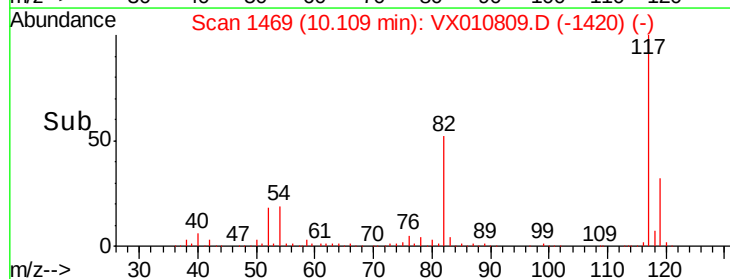
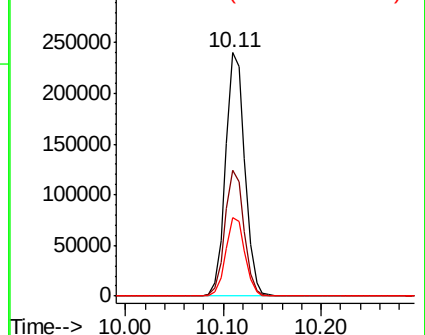
119 32.3 25.5 38.3

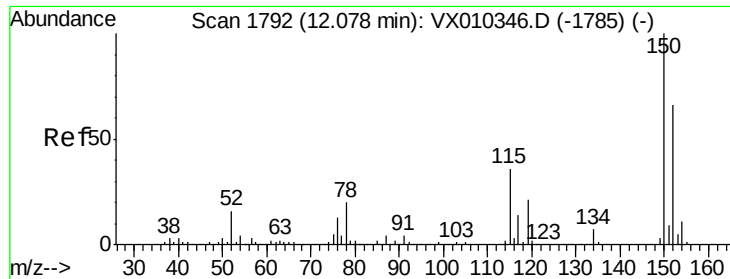


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

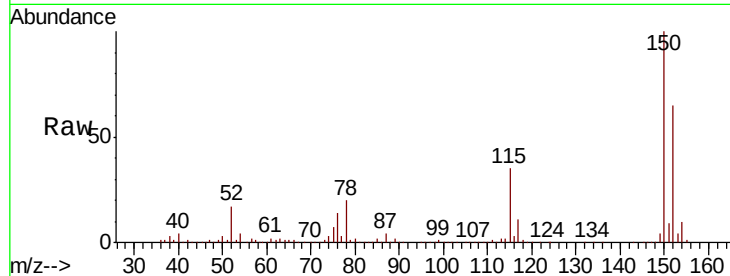
Tot Ion:152 Resp: 148545

Ion Ratio Lower Upper

152 100

115 56.5 38.6 115.7

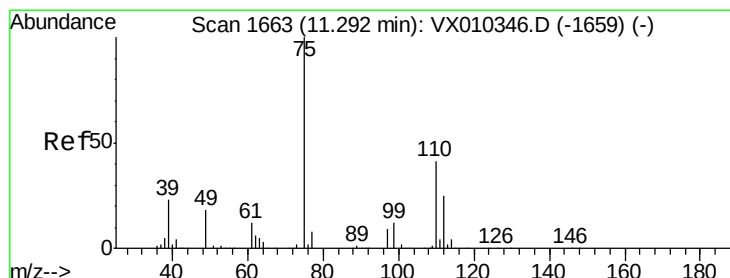
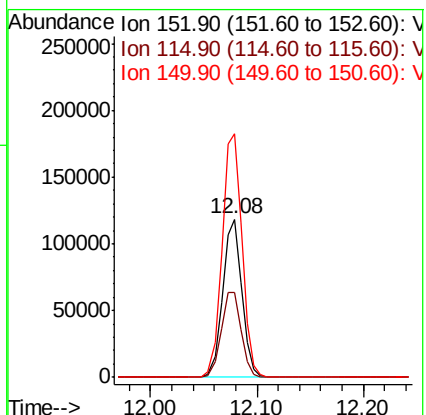
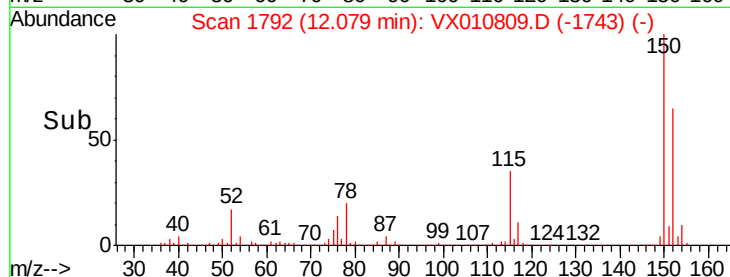
150 160.0 0.0 347.4



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: 26.632 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010809.D

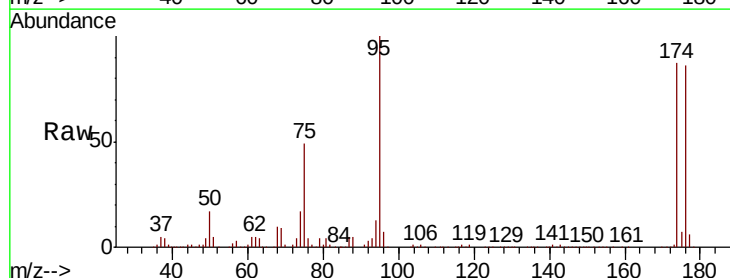
Acq: 11 Jul 2019 16:00

Tgt Ion: 75 Resp: 72089

Ion Ratio Lower Upper

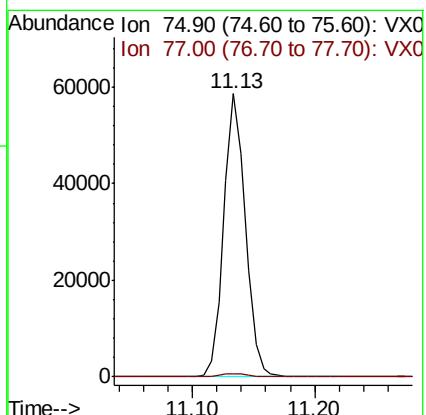
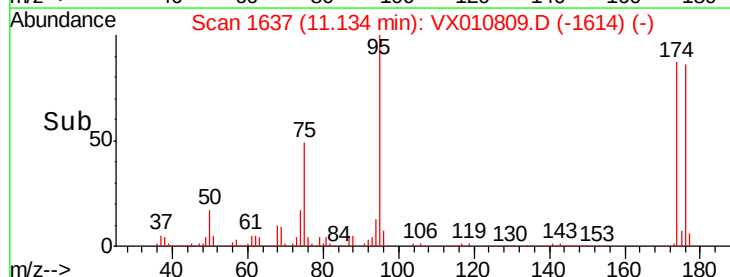
75 100

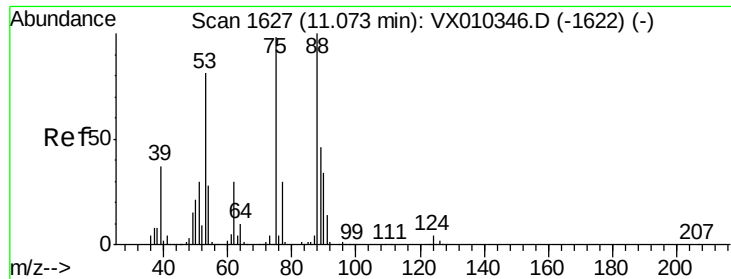
77 1.5 22.6 67.8#



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: 62.129 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010809.D

Acq: 11 Jul 2019 16:00

Instrument :

MSVOA_X

ClientSampleId :

KY030SW001-SW-190710

Tot Ion: 75 Resp: 72089

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#

