

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX092319\
 Data File : VX012611.D
 Acq On : 23 Sep 2019 17:54
 Operator : JC/SP
 Sample : K4930-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-190916RE

Quant Time: Sep 24 01:52:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	79310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119126	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
35) Dibromofluoromethane	5.49	113	85489	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	8.71	98	335541	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	108185	41.65	ug/l	0.00
Spiked Amount			Recovery	=	83.30%	

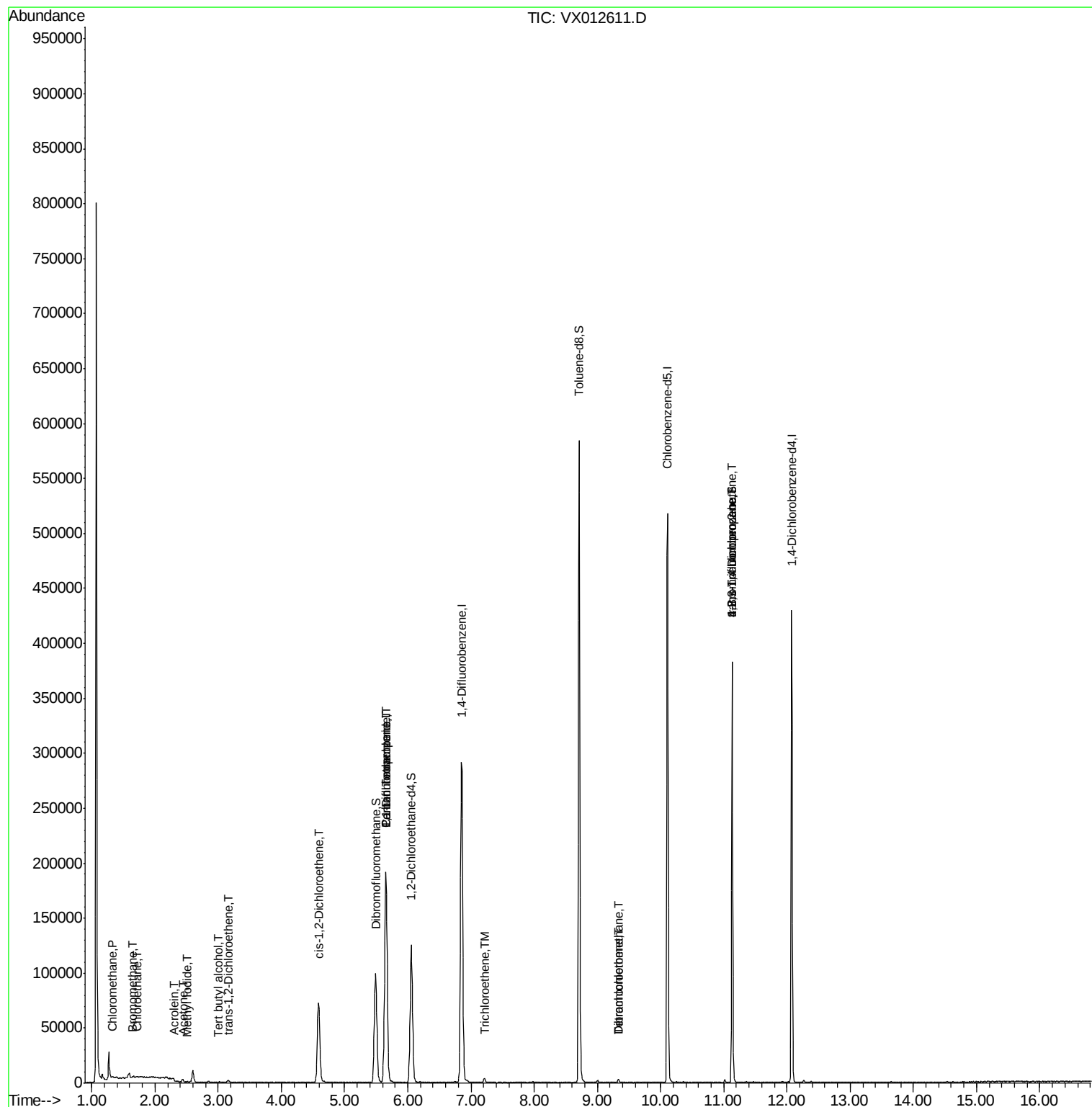
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	916	0.426	ug/l	94
5) Bromomethane	1.64	94	449	0.534	ug/l #	74
6) Chloroethane	1.72	64	483	0.335	ug/l #	66
10) Methyl Iodide	2.50	142	288	5.088	ug/l #	81
11) Tert butyl alcohol	3.00	59	525	0.867	ug/l #	72
13) Acrolein	2.31	56	163	10.696	ug/l #	15
16) Acetone	2.44	43	2776	2.162	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	768	0.387	ug/l #	65
27) cis-1,2-Dichloroethene	4.59	96	45660	19.848	ug/l	85
36) 1,1-Dichloropropene	5.65	75	15311	5.515	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19286	6.839	ug/l #	17
44) Trichloroethene	7.22	130	1440	0.690	ug/l	71
60) Dibromochloromethane	9.32	129	598	0.289	ug/l #	11
64) Tetrachloroethene	9.34	164	466	0.289	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	56012	26.699	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56012	76.512	ug/l #	8

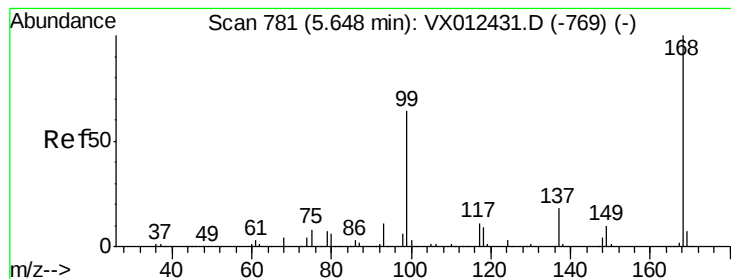
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

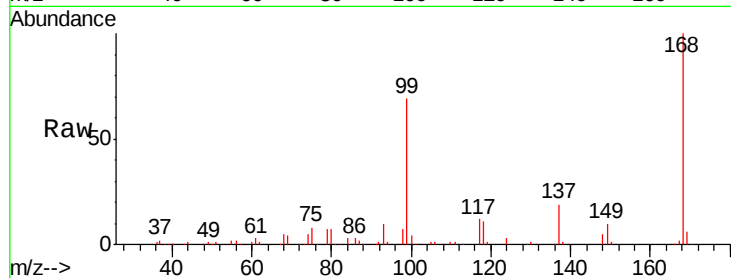
KY038PS036-190916RE

Tgt Ion:168 Resp: 166450

Ion Ratio Lower Upper

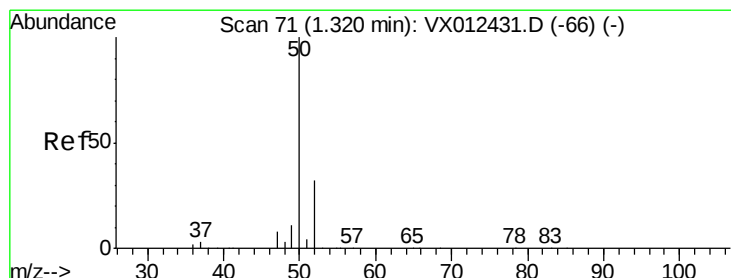
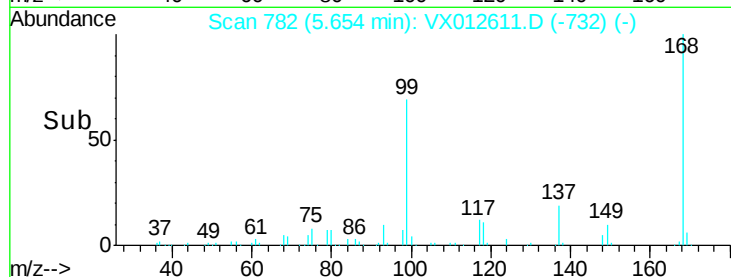
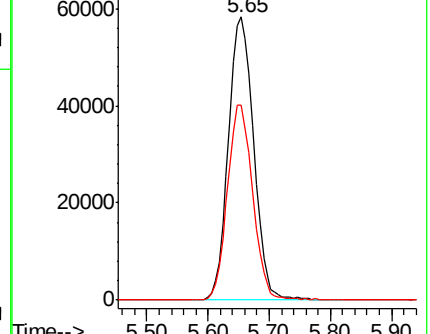
168 100

99 68.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.426 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012611.D

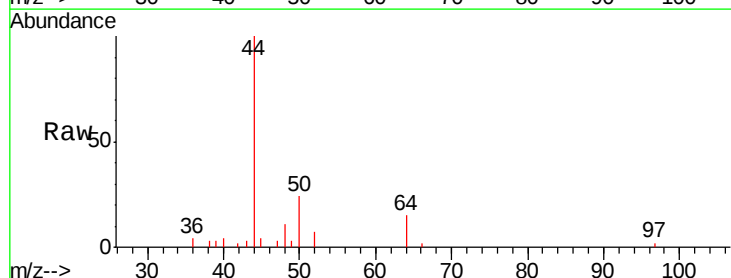
Acq: 23 Sep 2019 17:54

Tgt Ion: 50 Resp: 916

Ion Ratio Lower Upper

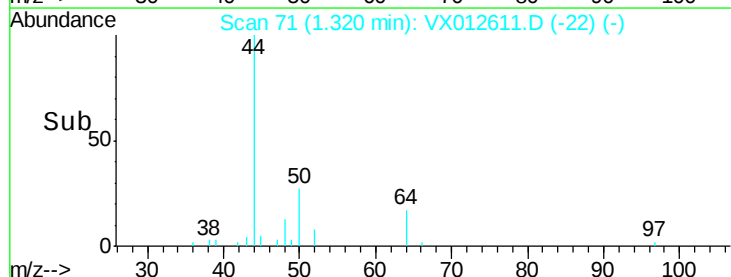
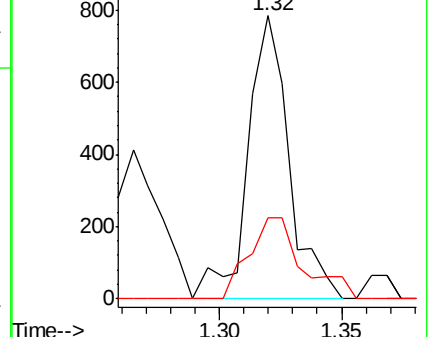
50 100

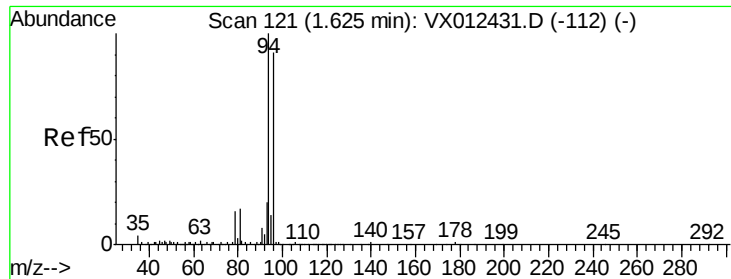
52 28.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.534 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

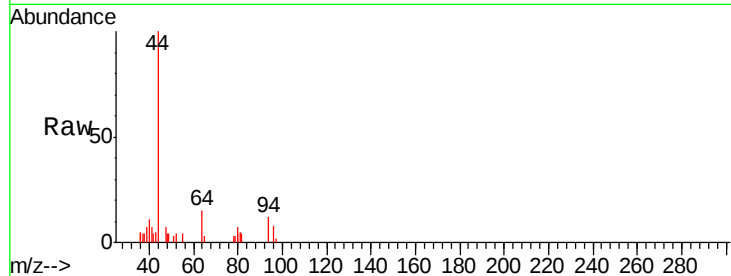
KY038PS036-190916RE

Tgt Ion: 94 Resp: 449

Ion Ratio Lower Upper

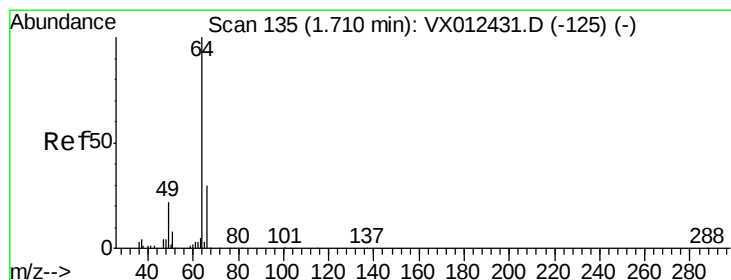
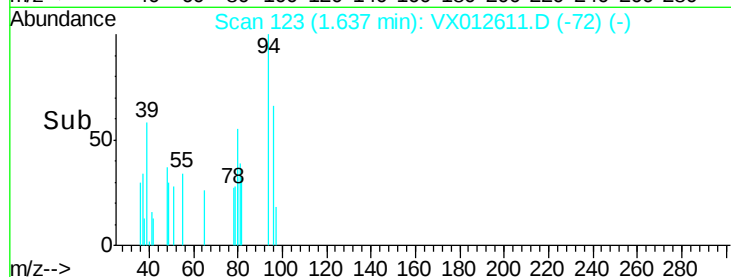
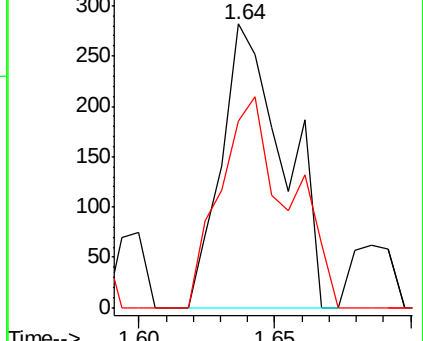
94 100

96 66.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.335 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012611.D

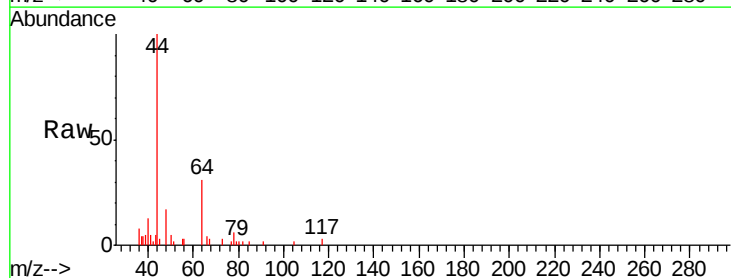
Acq: 23 Sep 2019 17:54

Tgt Ion: 64 Resp: 483

Ion Ratio Lower Upper

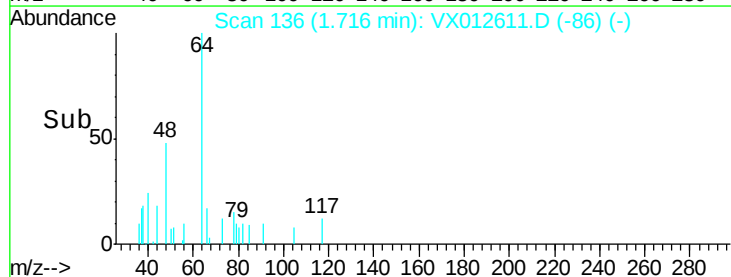
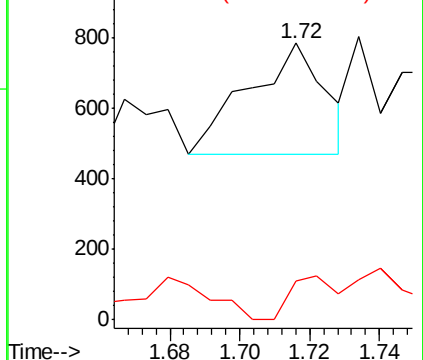
64 100

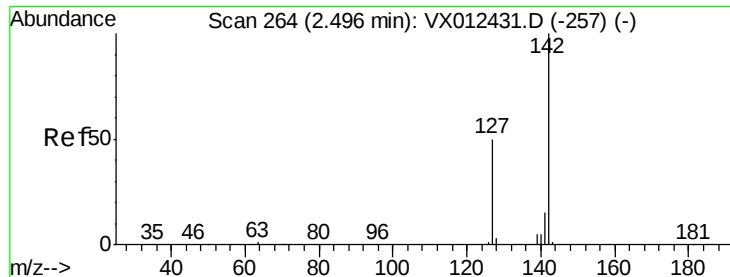
66 11.7 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methyl Iodide

Concen: 5.088 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190916RE

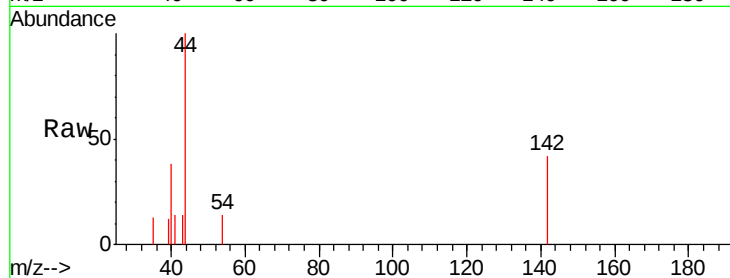
Tgt Ion: 142 Resp: 288

Ion Ratio Lower Upper

142 100

127 60.8 40.8 61.2

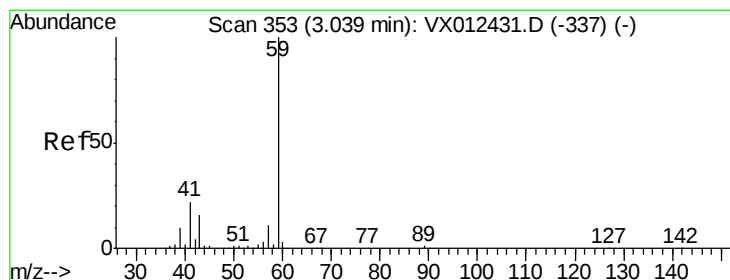
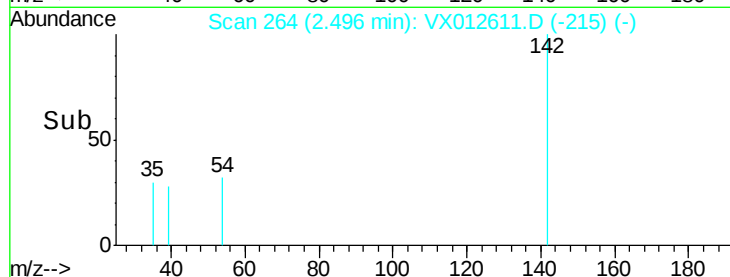
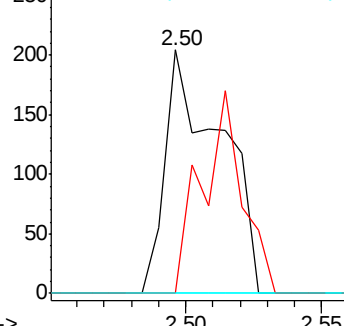
141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.867 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.04 min

Lab File: VX012611.D

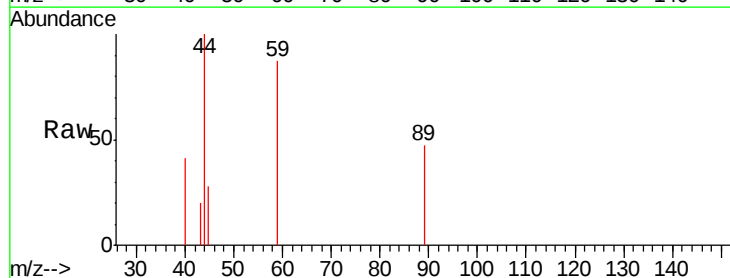
Acq: 23 Sep 2019 17:54

Tgt Ion: 59 Resp: 525

Ion Ratio Lower Upper

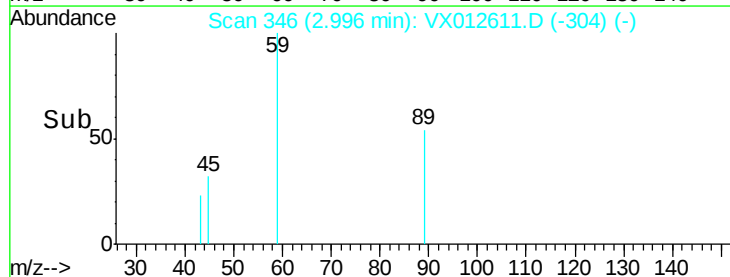
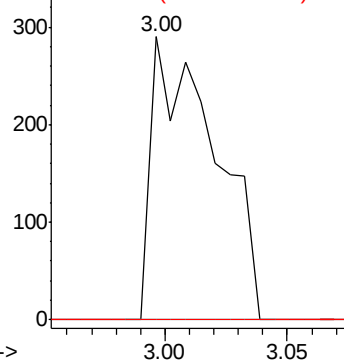
59 100

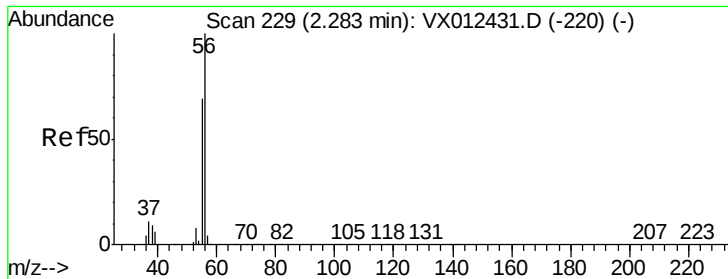
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.696 ug/l

RT: 2.31 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

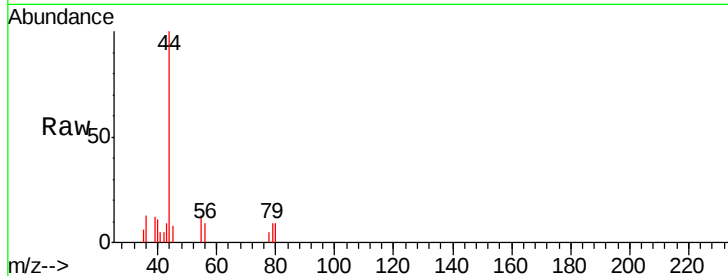
KY038PS036-190916RE

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

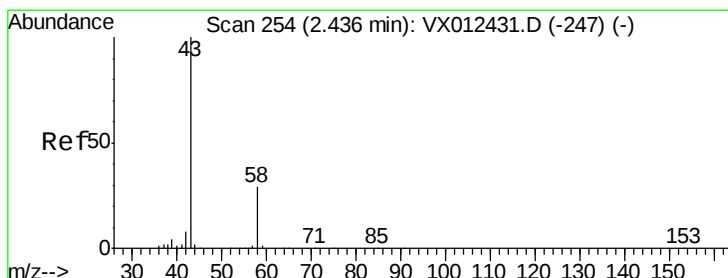
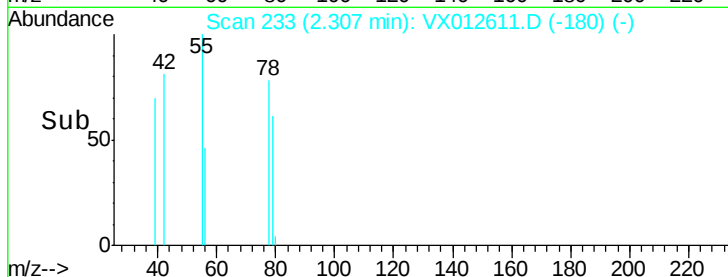
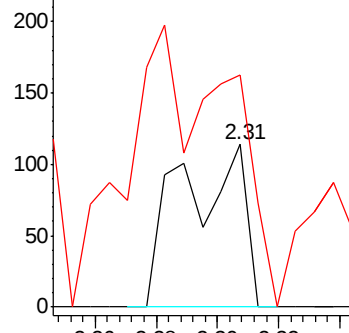
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.162 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012611.D

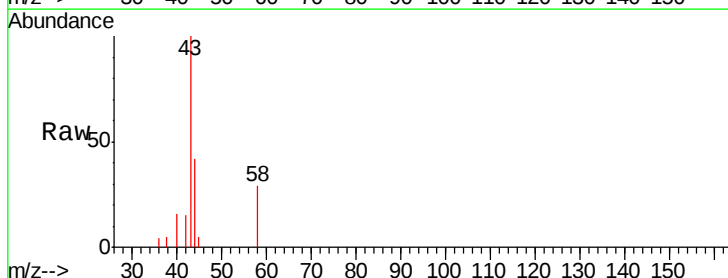
Acq: 23 Sep 2019 17:54

Tgt Ion: 43 Resp: 2776

Ion Ratio Lower Upper

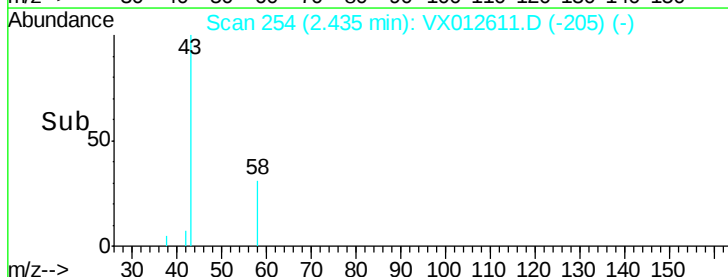
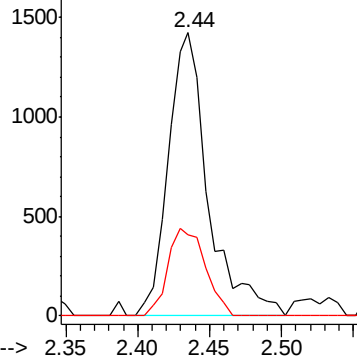
43 100

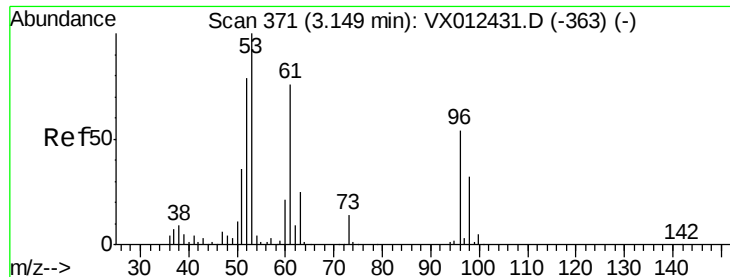
58 28.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.387 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

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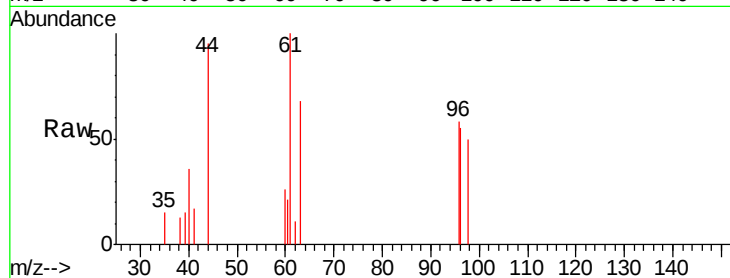
Tgt Ion: 96 Resp: 768

Ion Ratio Lower Upper

96 100

61 89.1 112.0 168.0#

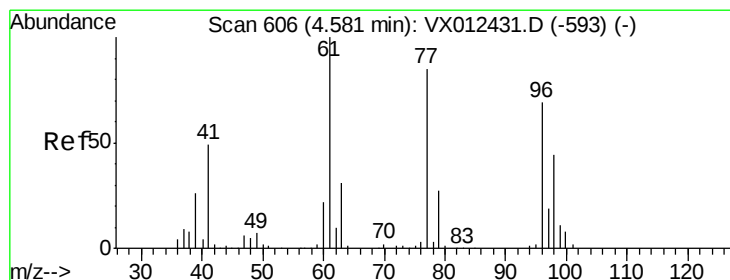
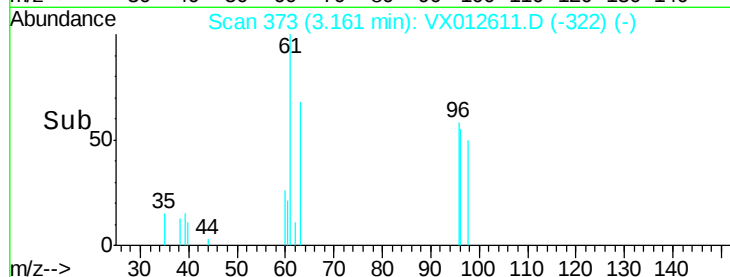
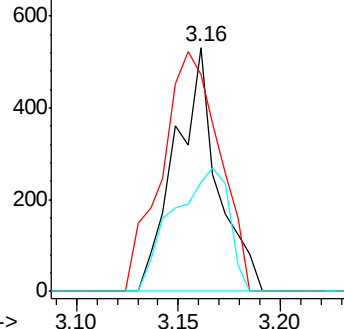
98 44.8 47.8 71.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 19.848 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

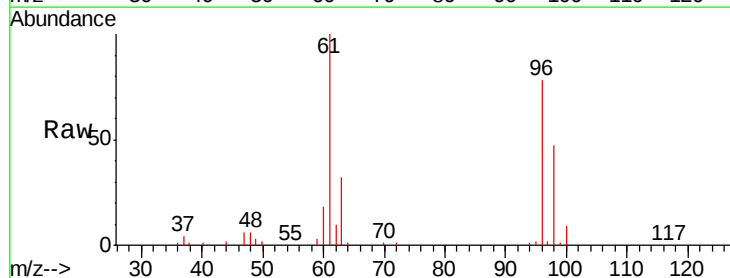
Tgt Ion: 96 Resp: 45660

Ion Ratio Lower Upper

96 100

61 132.7 0.0 319.4

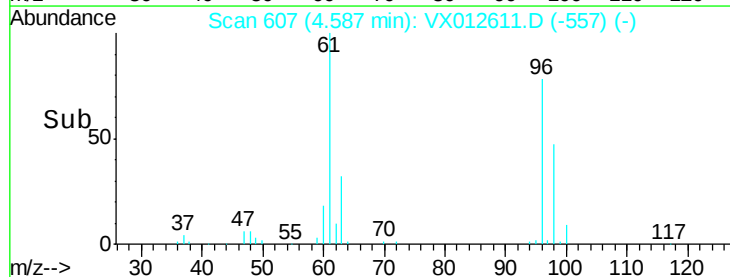
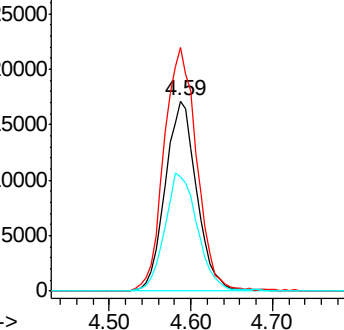
98 64.0 0.0 130.6

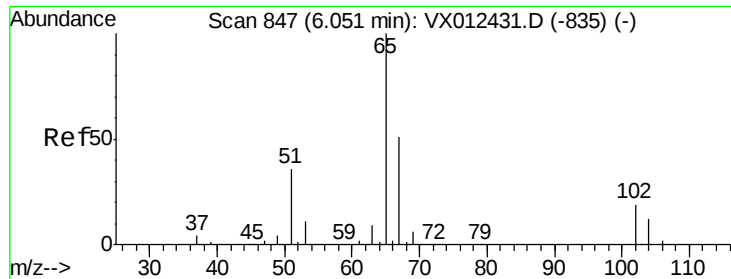


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

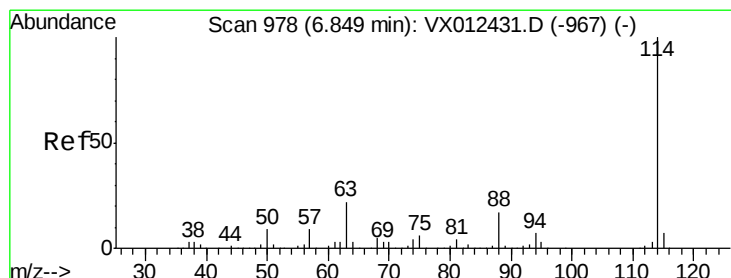
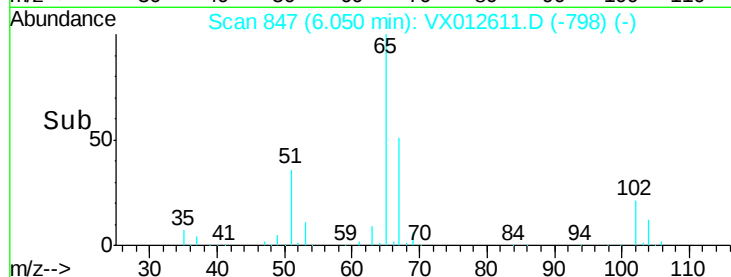
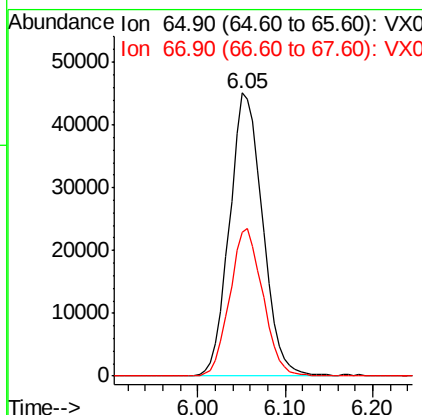
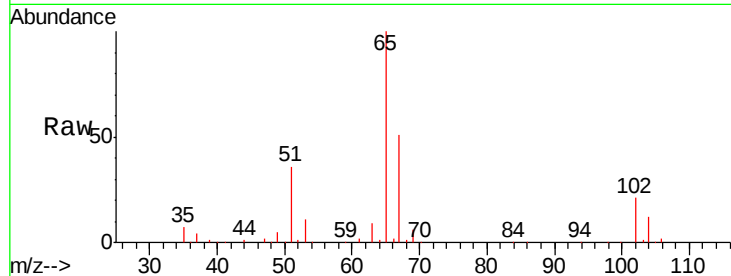




#33
 1,2-Dichloroethane-d4
 Concen: 49.148 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012611.D
 Acq: 23 Sep 2019 17:54

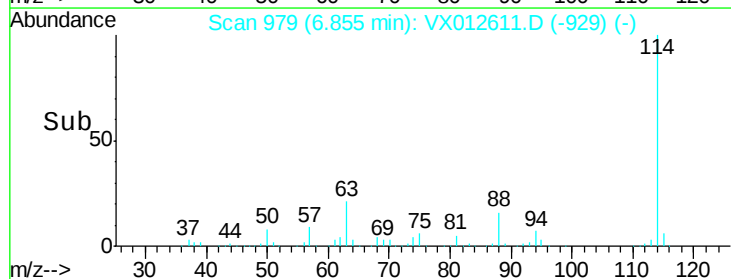
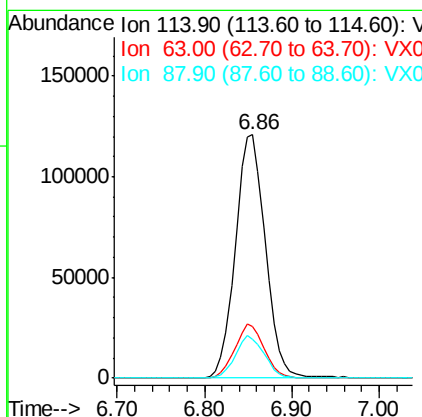
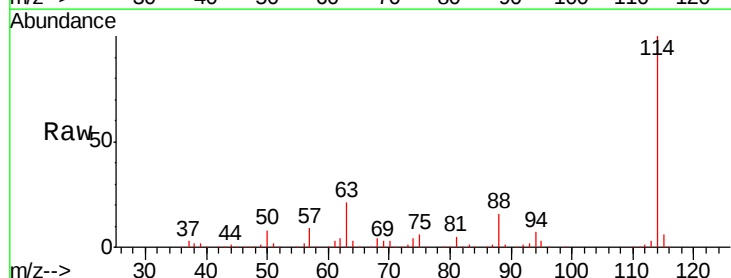
Instrument :
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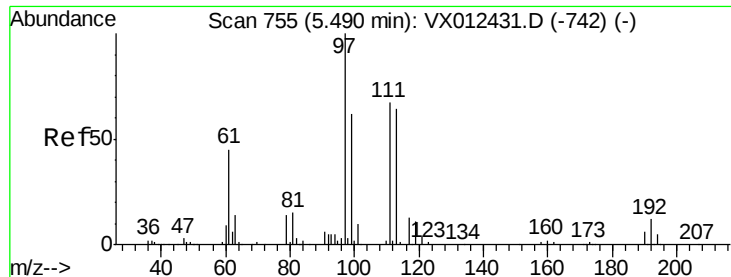
Tgt Ion: 65 Resp: 119126
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012611.D
 Acq: 23 Sep 2019 17:54

Tgt Ion: 114 Resp: 288017
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 16.2 0.0 33.2

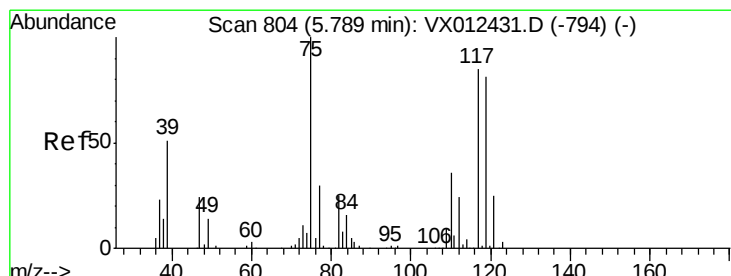
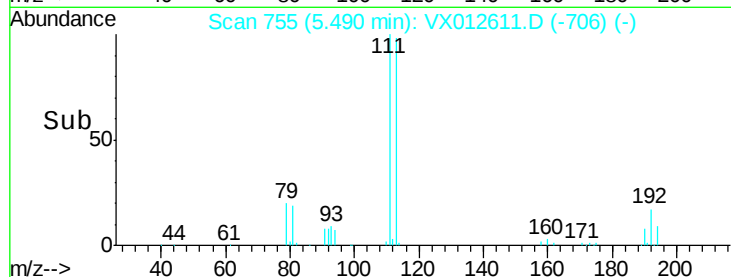
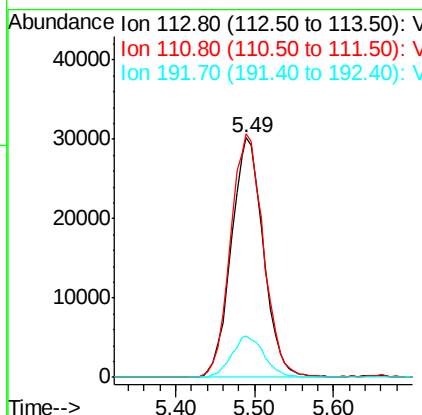
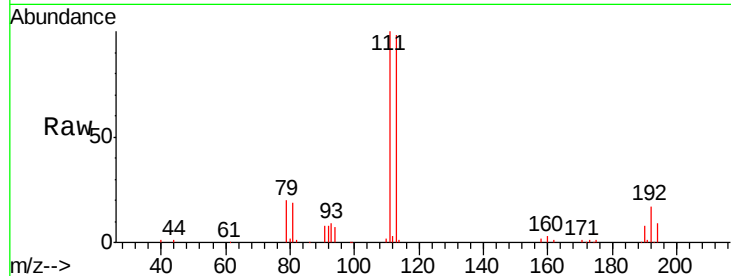




#35
 Dibromofluoromethane
 Concen: 49.840 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012611.D
 Acq: 23 Sep 2019 17:54

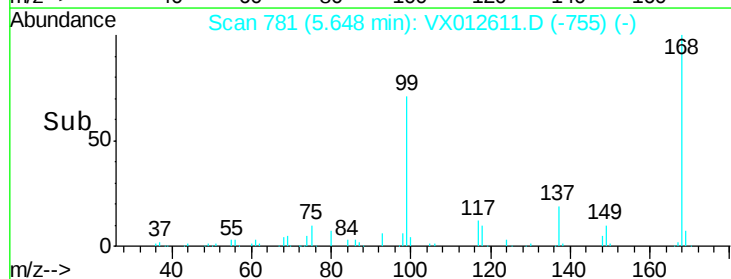
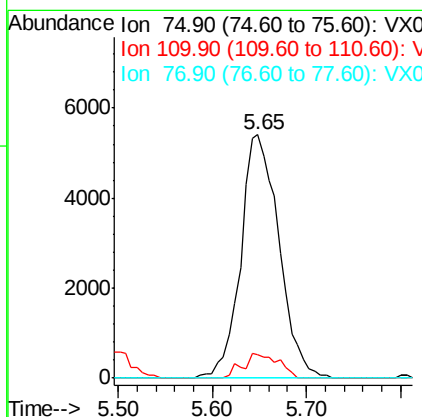
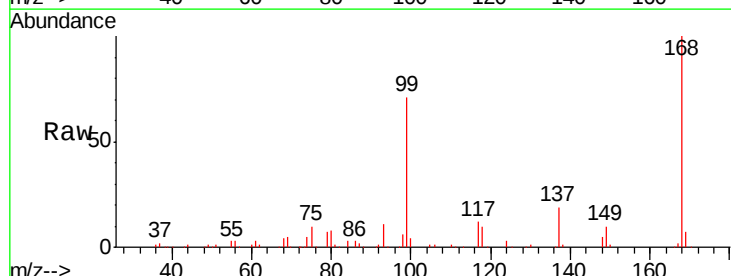
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-190916RE

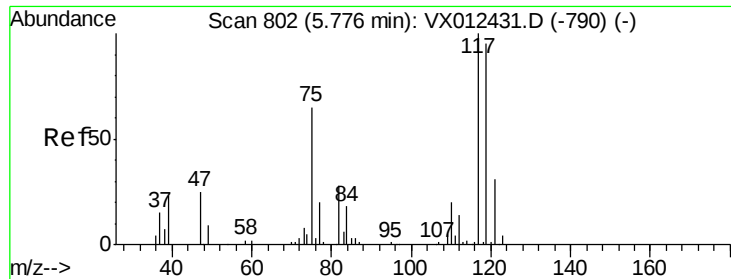
Tgt Ion:113 Resp: 85489
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.4 125.2
 192 17.3 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.515 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012611.D
 Acq: 23 Sep 2019 17:54

Tgt Ion: 75 Resp: 15311
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.7 50.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.839 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190916RE

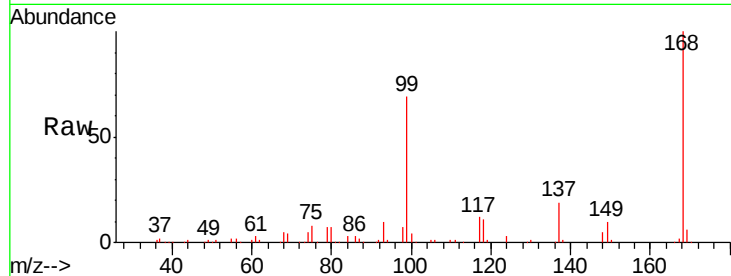
Tgt Ion:117 Resp: 19286

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

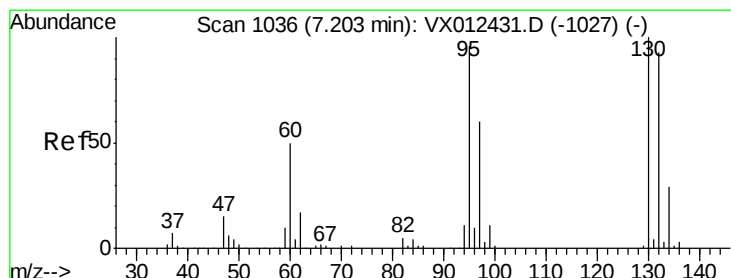
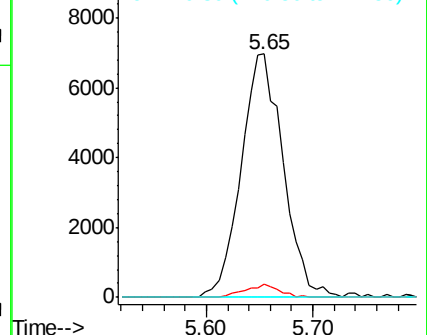
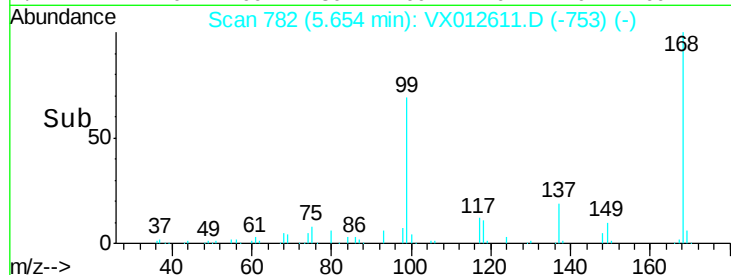
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.690 ug/l

RT: 7.22 min Scan# 1039

Delta R.T. 0.02 min

Lab File: VX012611.D

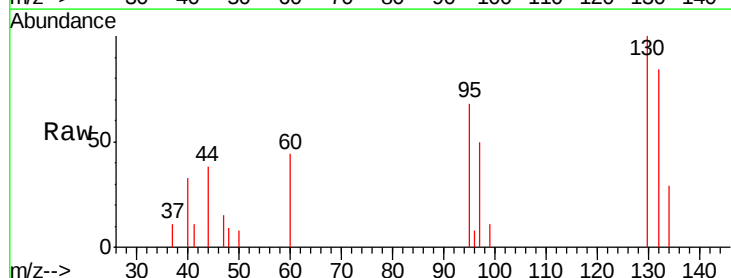
Acq: 23 Sep 2019 17:54

Tgt Ion:130 Resp: 1440

Ion Ratio Lower Upper

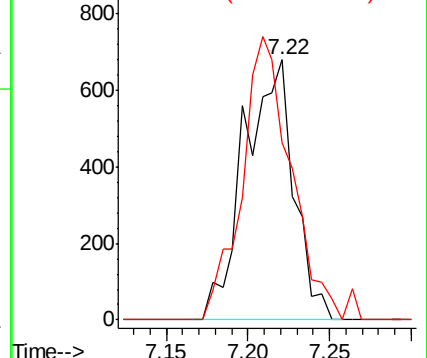
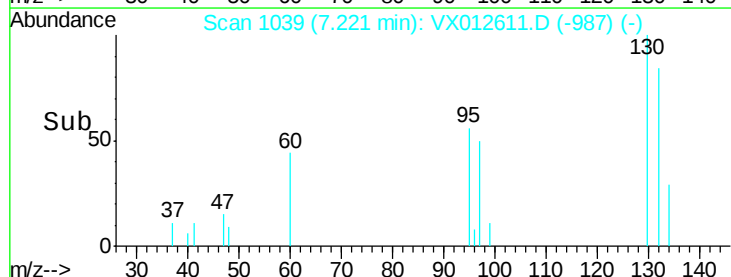
130 100

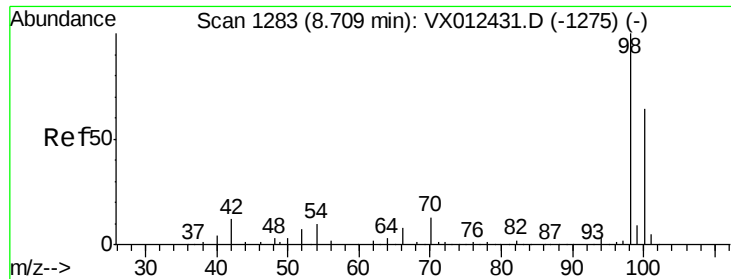
95 68.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.796 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

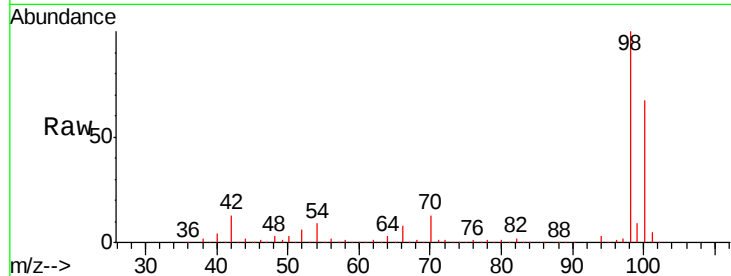
KY038PS036-190916RE

Tgt Ion: 98 Resp: 335541

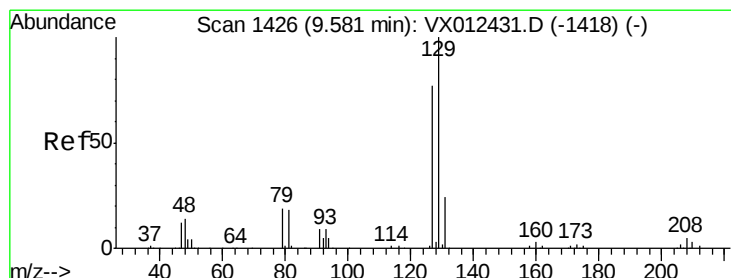
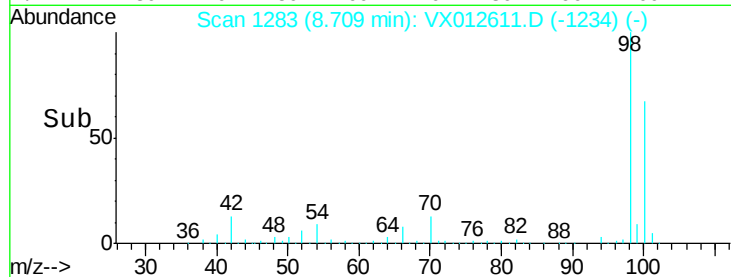
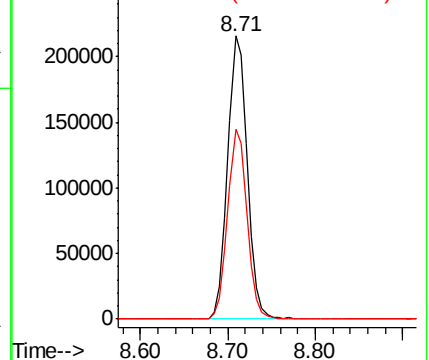
Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012431.D (-1275) (-)



#60

Dibromochloromethane

Concen: 0.289 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012611.D

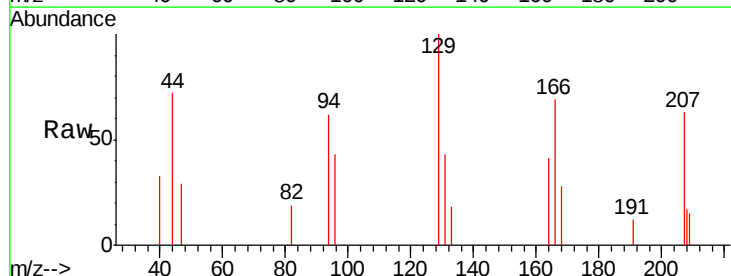
Acq: 23 Sep 2019 17:54

Tgt Ion: 129 Resp: 598

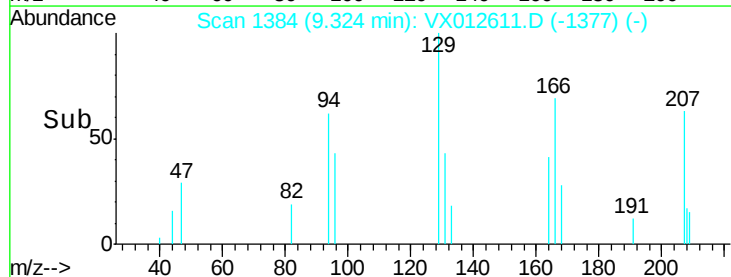
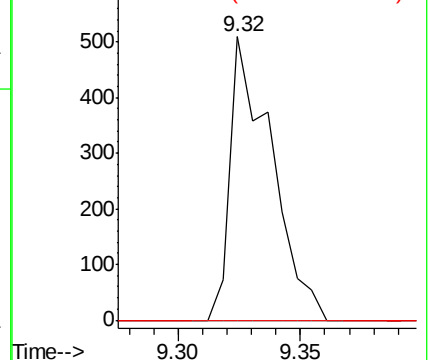
Ion Ratio Lower Upper

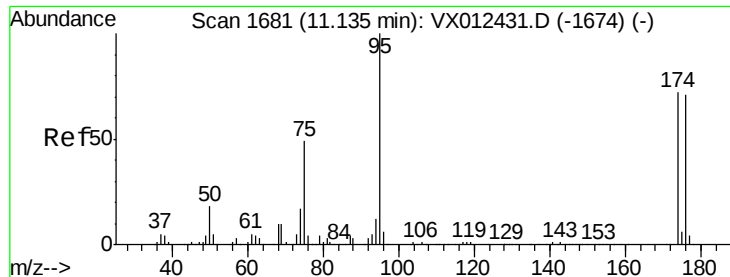
129 100

127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): VX012431.D (-1418) (-)





#62

4-Bromofluorobenzene

Concen: 41.652 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190916RE

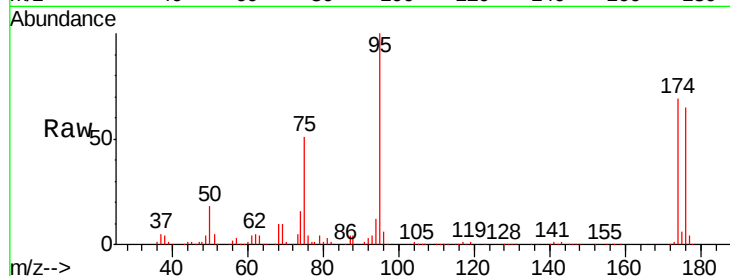
Tgt Ion: 95 Resp: 108185

Ion Ratio Lower Upper

95 100

174 66.0 0.0 140.0

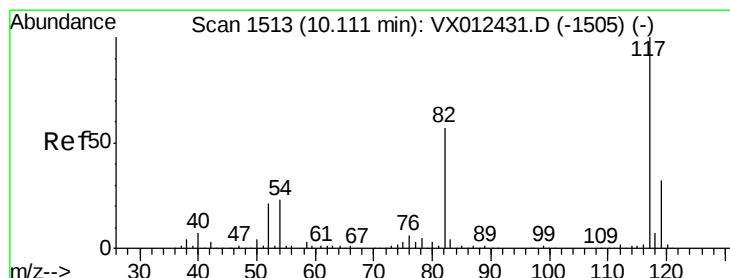
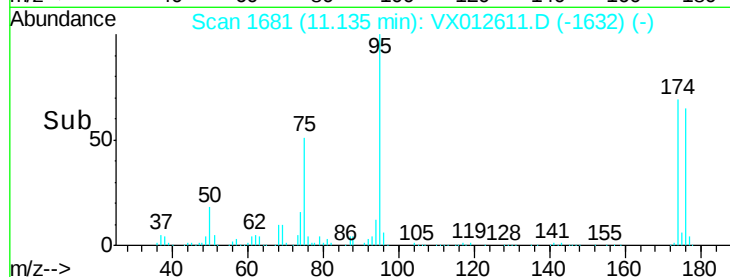
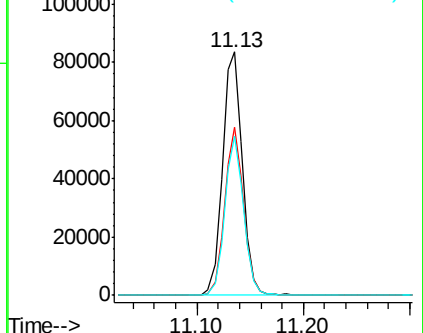
176 62.6 0.0 135.4



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# 1513

Delta R.T. -0.00 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

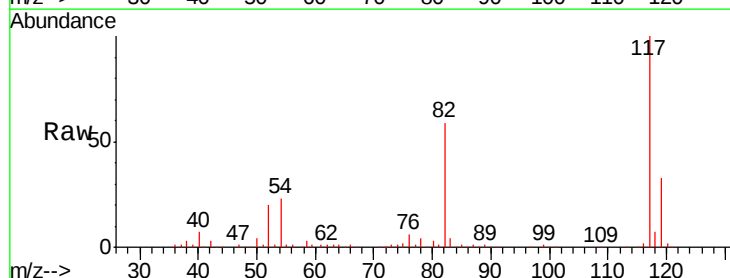
Tgt Ion: 117 Resp: 231656

Ion Ratio Lower Upper

117 100

82 59.3 45.9 68.9

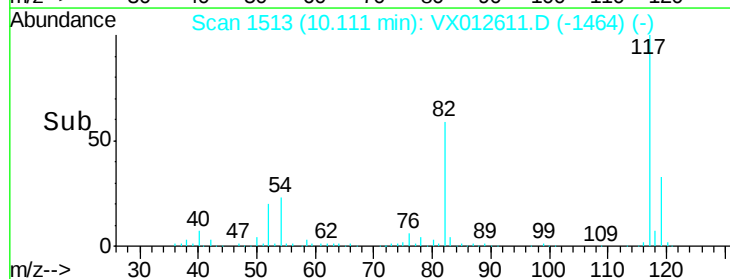
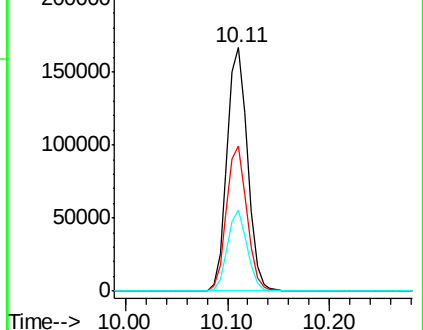
119 33.1 25.3 37.9

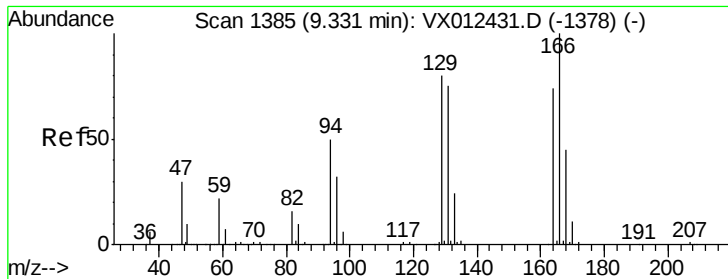


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.289 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-190916RE

Tgt Ion:164 Resp: 466

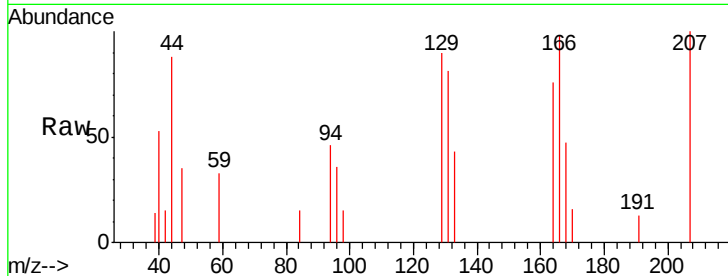
Ion Ratio Lower Upper

164 100

166 129.0 107.8 161.6

129 117.7 86.2 129.2

131 106.0 80.4 120.6



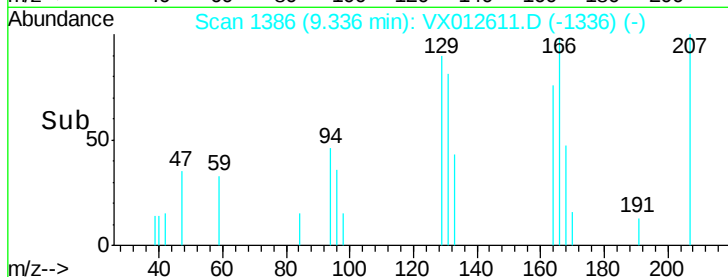
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Abundance

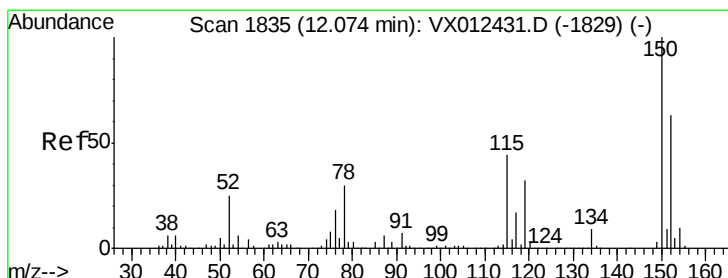
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

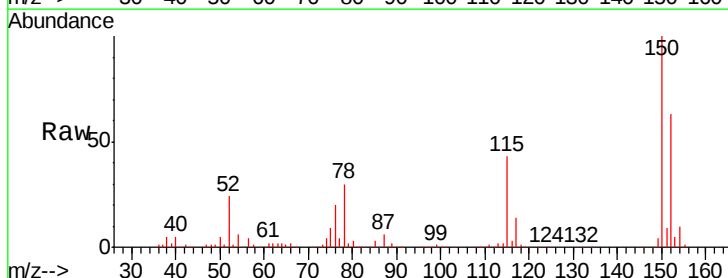
Tgt Ion:152 Resp: 79310

Ion Ratio Lower Upper

152 100

115 65.0 44.1 132.3

150 157.6 0.0 343.8

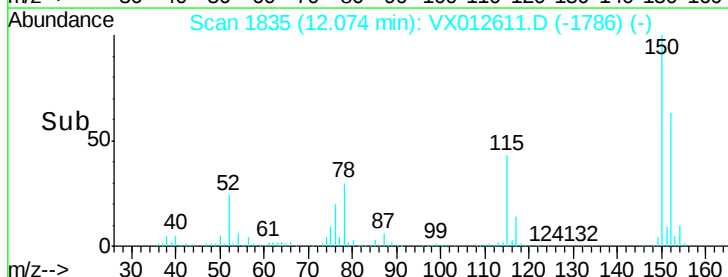


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



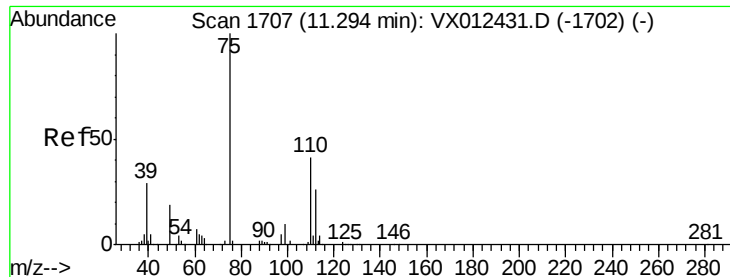
Abundance

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

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.699 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

Instrument :

MSVOA_X

ClientSampleId :

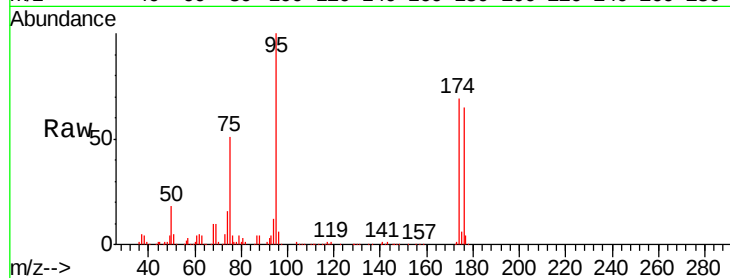
KY038PS036-190916RE

Tgt Ion: 75 Resp: 56012

Ion Ratio Lower Upper

75 100

77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

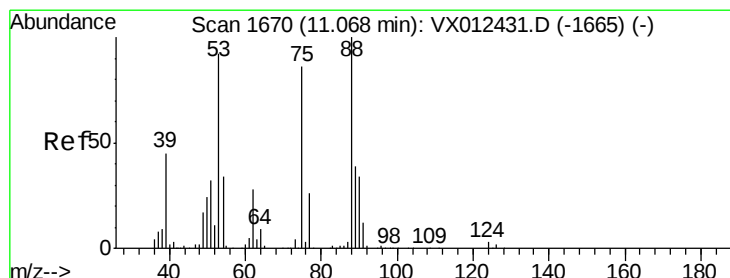
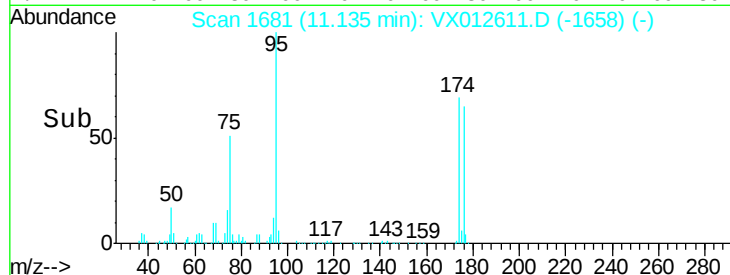
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 76.512 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012611.D

Acq: 23 Sep 2019 17:54

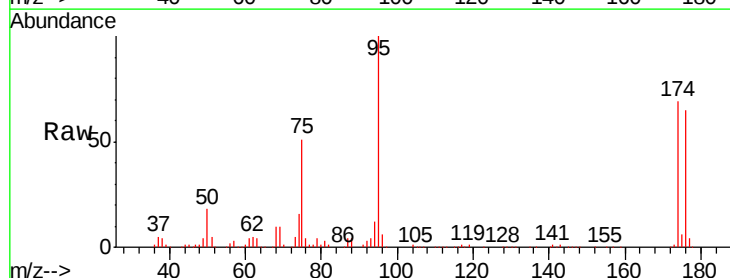
Tgt Ion: 75 Resp: 56012

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

11.13

40000

30000

20000

10000

0

Time-->

11.10 11.20

