

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010831.D
 Acq On : 12 Jul 2019 13:19
 Operator : JC/SP
 Sample : K3782-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC011-SW-190711

Quant Time: Jul 13 01:38:16 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	206484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330053	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137940	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	107794	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	
35) Dibromofluoromethane	5.49	113	102438	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.71	98	395280	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	132868	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

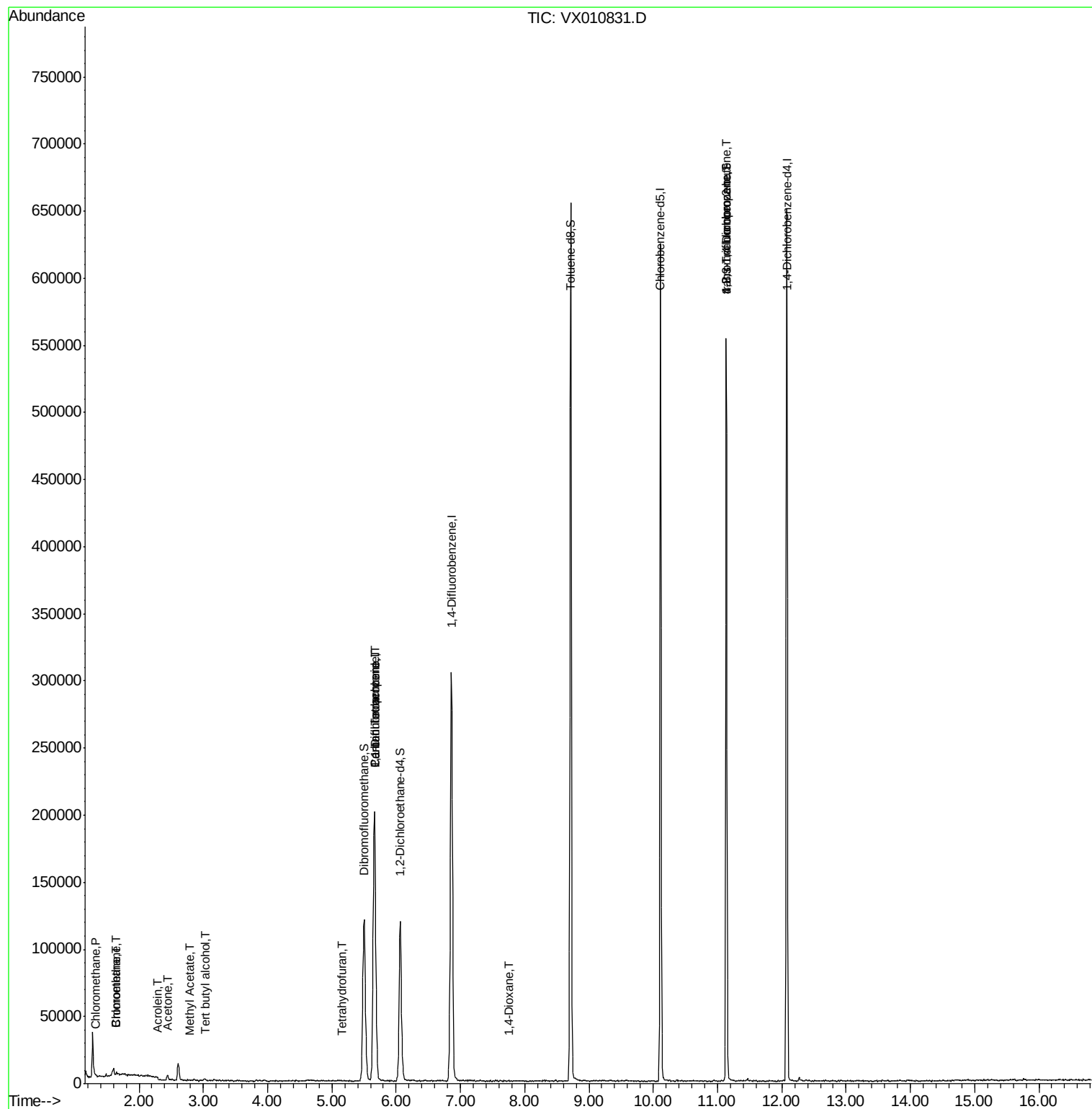
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	784	0.469	ug/l #	78
5) Bromomethane	1.65	94	613	0.687	ug/l #	61
6) Chloroethane	1.64	64	4865	4.504	ug/l #	53
11) Tert butyl alcohol	3.03	59	1081	2.134	ug/l #	88
13) Acrolein	2.29	56	375	1.116	ug/l #	51
16) Acetone	2.45	43	4051	4.175	ug/l	92
18) Methyl Acetate	2.78	43	604	0.312	ug/l #	55
29) Tetrahydrofuran	5.17	42	478	0.542	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	13651	5.205	ug/l #	48
38) Carbon Tetrachloride	5.67	117	18992	6.687	ug/l #	15
49) 1,4-Dioxane	7.75	88	25	0.418	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65341	25.995	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65341	60.643	ug/l #	16

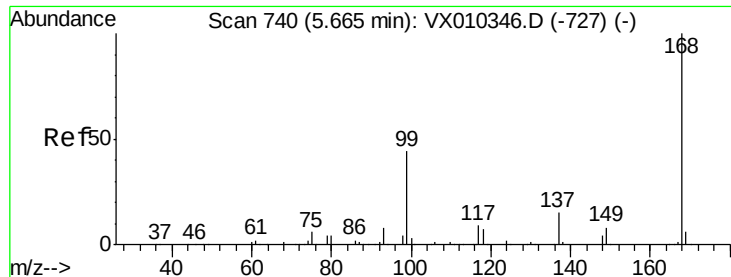
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

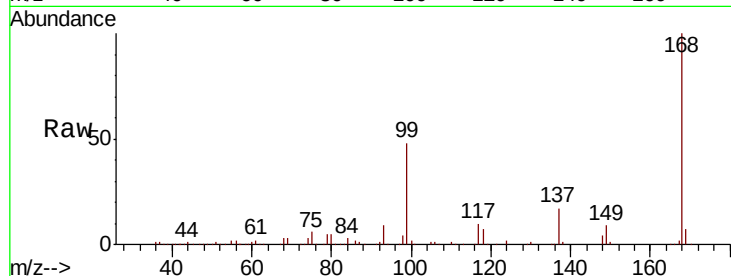
KY030LC011-SW-190711

Tot Ion:168 Resp: 206484

Ion Ratio Lower Upper

168 100

99 47.9 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

80000

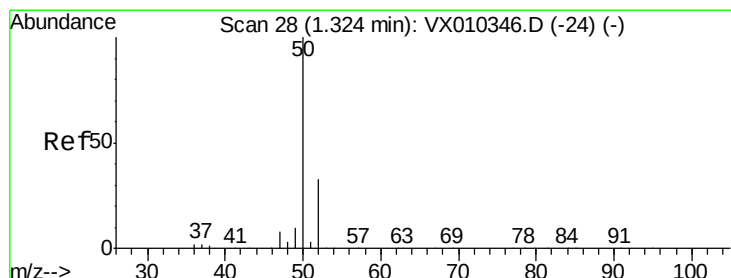
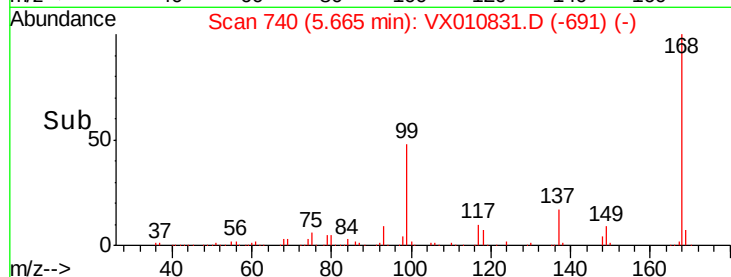
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.469 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010831.D

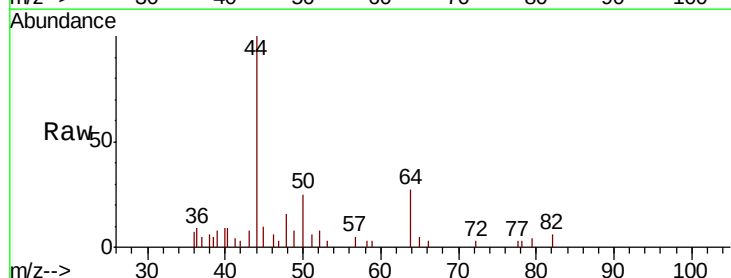
Acq: 12 Jul 2019 13:19

Tgt Ion: 50 Resp: 784

Ion Ratio Lower Upper

50 100

52 20.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

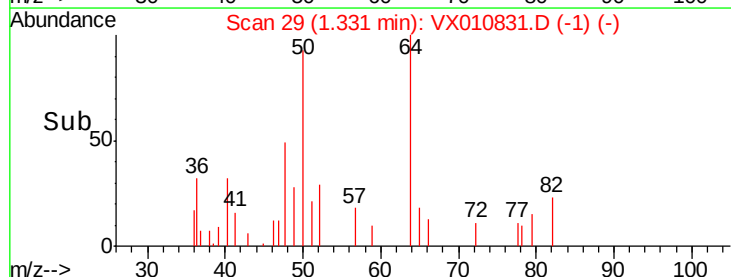
300

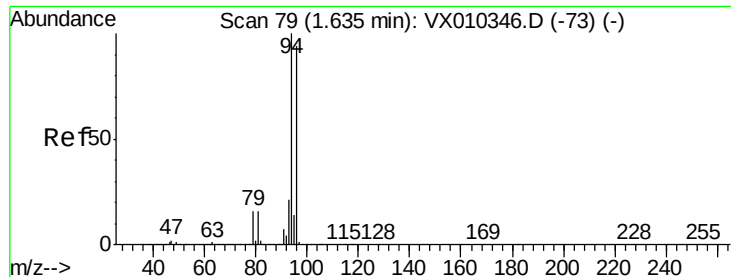
200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.687 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

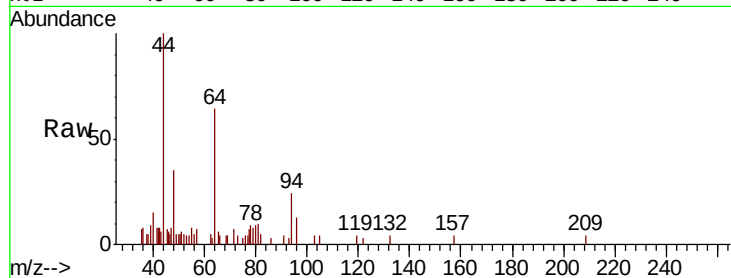
KY030LC011-SW-190711

Tot Ion: 94 Resp: 613

Ion Ratio Lower Upper

94 100

96 56.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

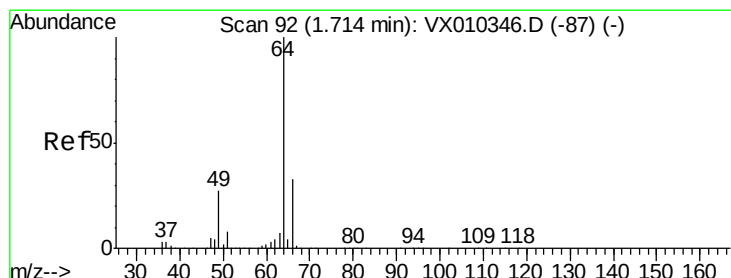
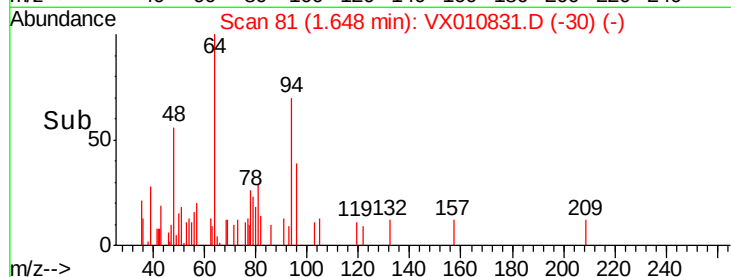
300

200

100

0

Time-->



#6

Chloroethane

Concen: 4.504 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX010831.D

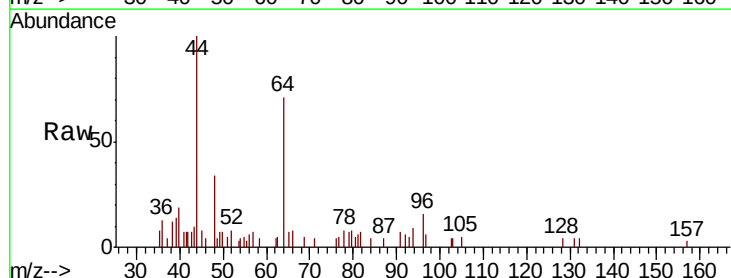
Acq: 12 Jul 2019 13:19

Tgt Ion: 64 Resp: 4865

Ion Ratio Lower Upper

64 100

66 6.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

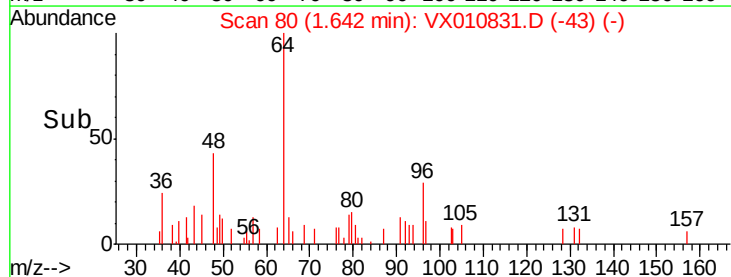
1.64

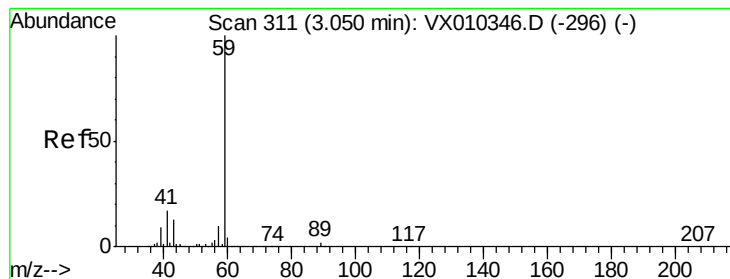
1000

500

0

Time-->



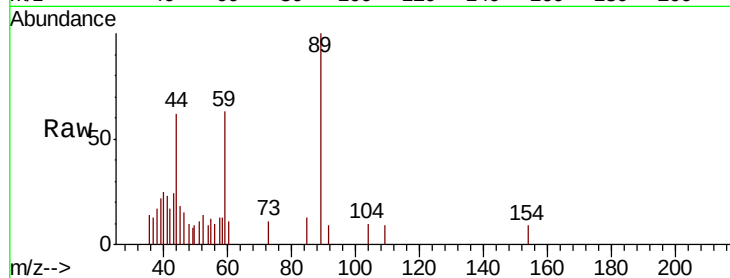


#11

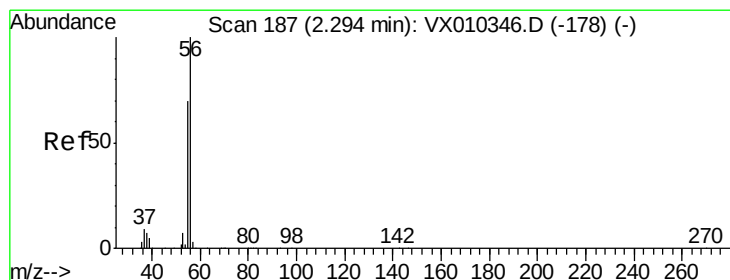
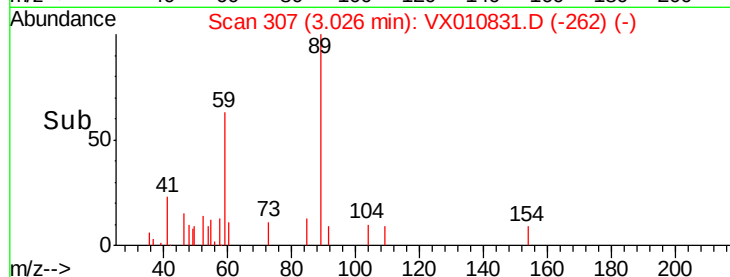
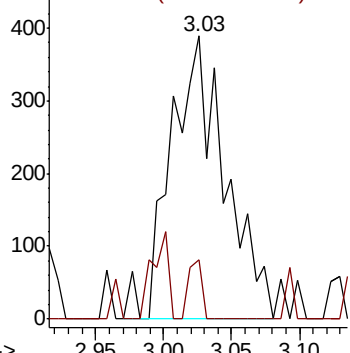
Tert butyl alcohol
Concen: 2.134 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010831.D
Acq: 12 Jul 2019 13:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC011-SW-190711

Tot Ion: 59 Resp: 1081
Ion Ratio Lower Upper
59 100
57 5.2 7.7 11.5#



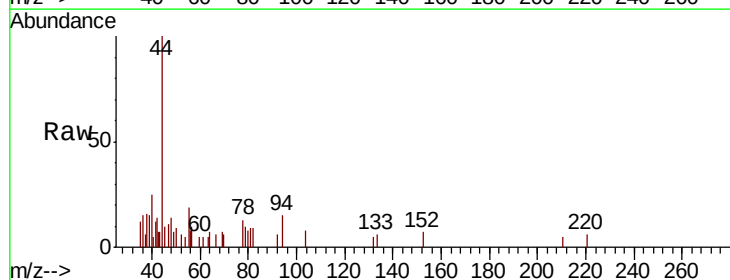
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



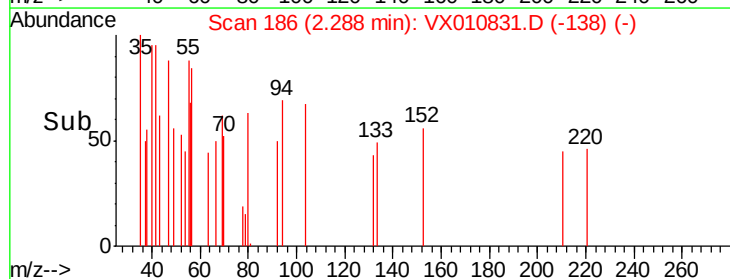
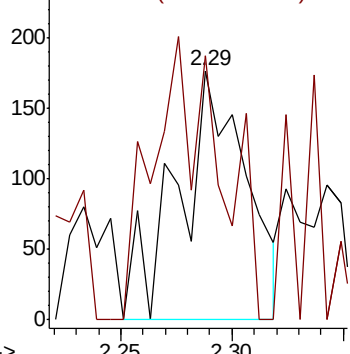
#13

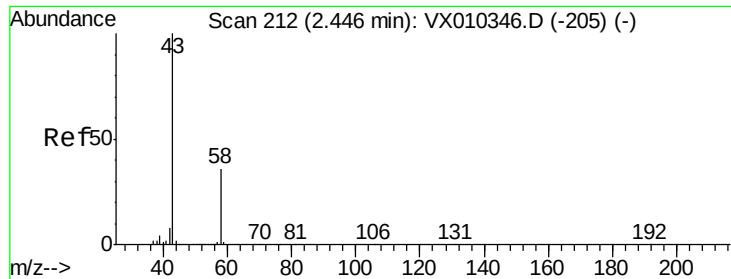
Acrolein
Concen: 1.116 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX010831.D
Acq: 12 Jul 2019 13:19

Tgt Ion: 56 Resp: 375
Ion Ratio Lower Upper
56 100
55 112.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.175 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

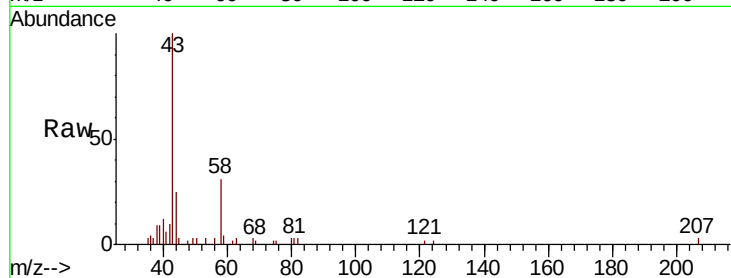
KY030LC011-SW-190711

Tot Ion: 43 Resp: 4051

Ion Ratio Lower Upper

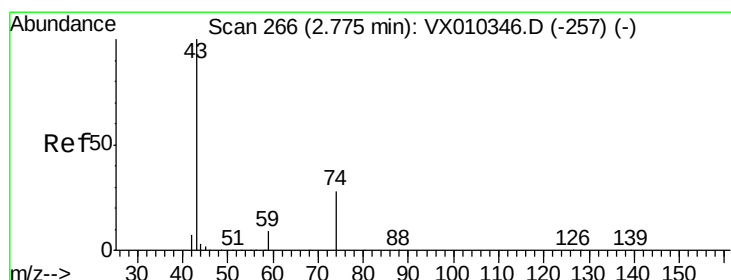
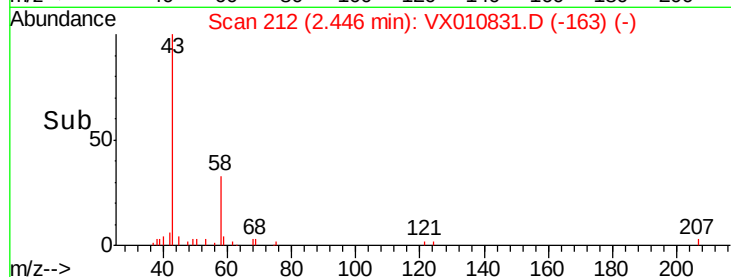
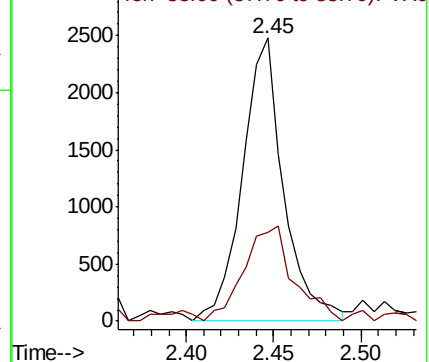
43 100

58 31.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.312 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010831.D

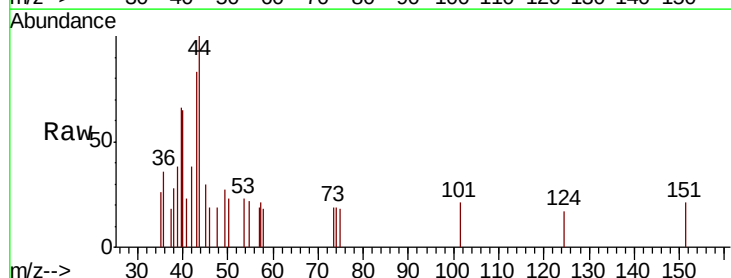
Acq: 12 Jul 2019 13:19

Tgt Ion: 43 Resp: 604

Ion Ratio Lower Upper

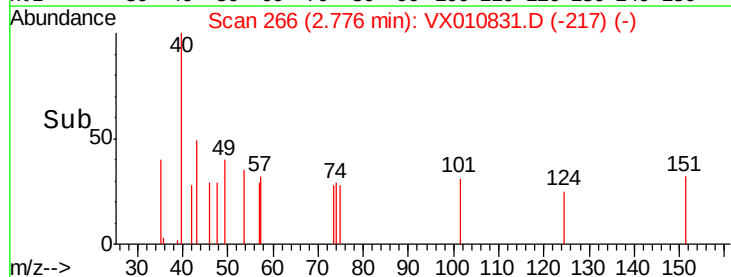
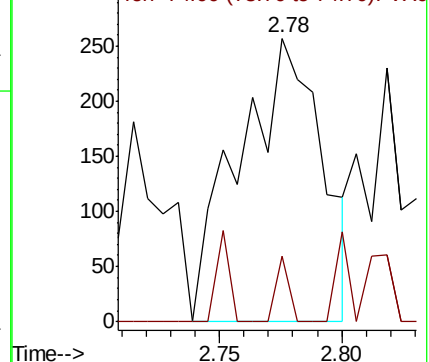
43 100

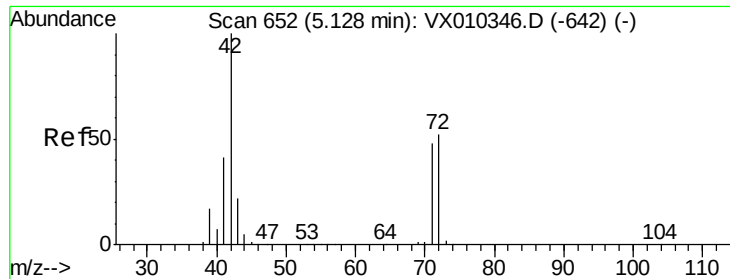
74 3.6 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

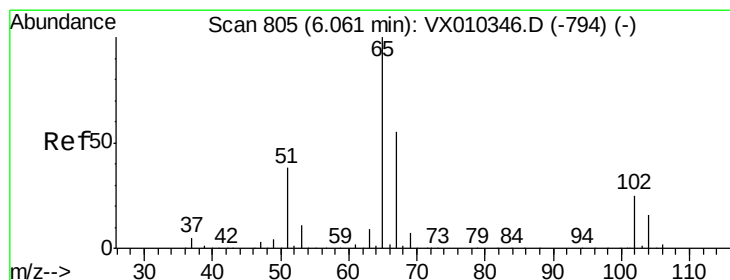
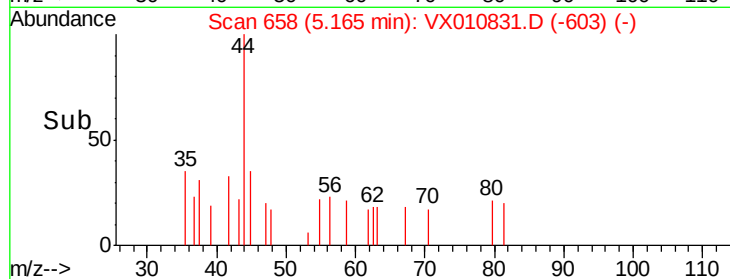
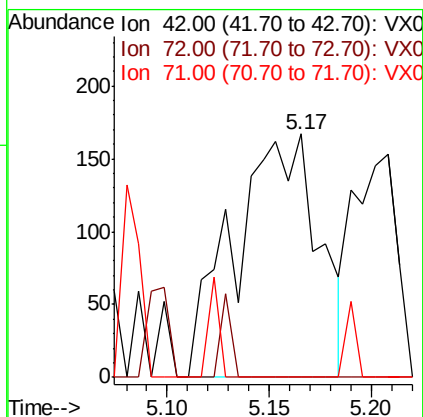
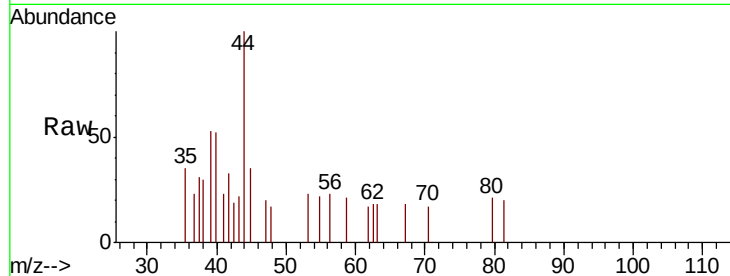




#29
Tetrahydrofuran
Concen: 0.542 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.04 min
Lab File: VX010831.D
Acq: 12 Jul 2019 13:19

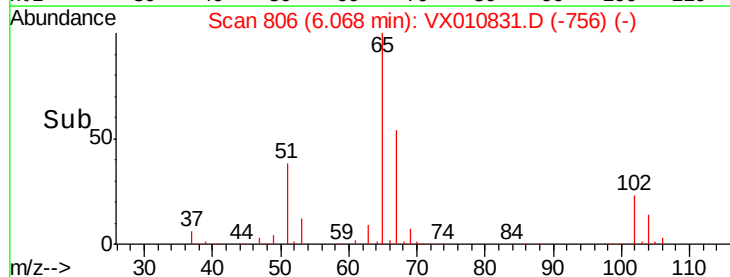
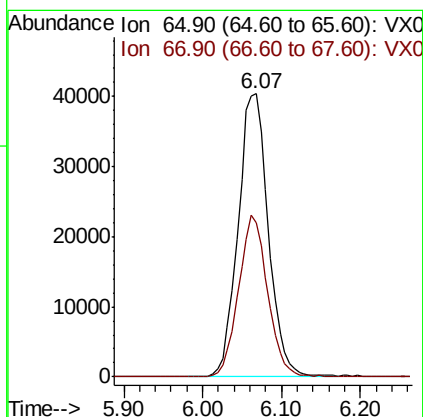
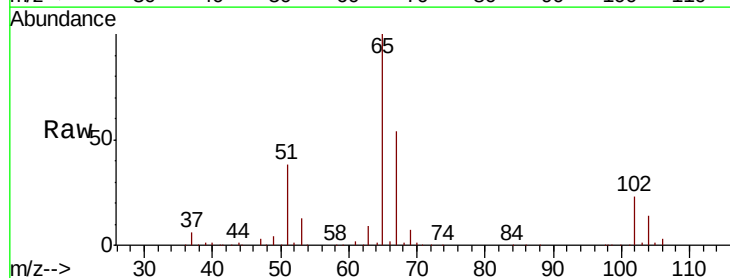
Instrument :
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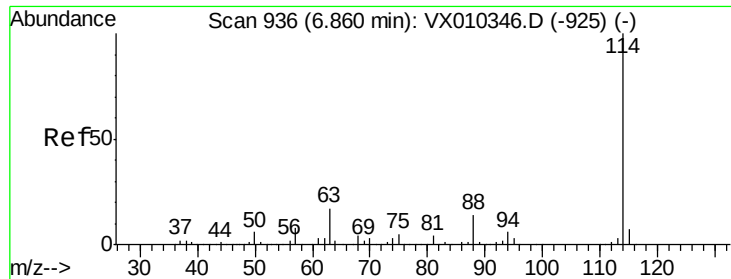
Tot Ion: 42 Resp: 478
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 55.679 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX010831.D
Acq: 12 Jul 2019 13:19

Tgt Ion: 65 Resp: 107794
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.2

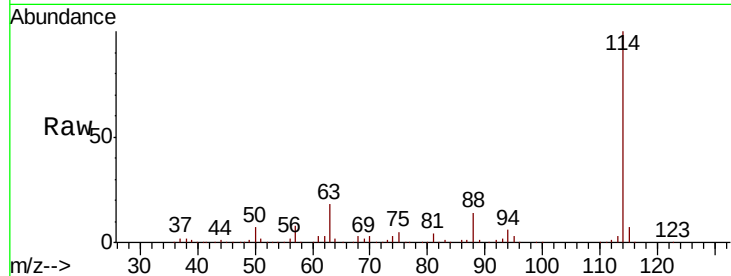




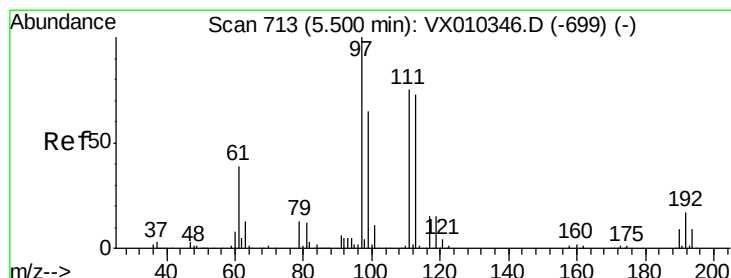
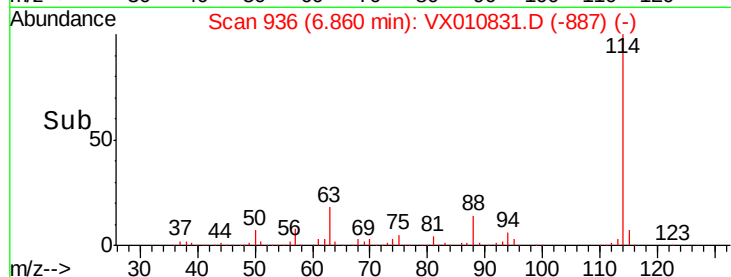
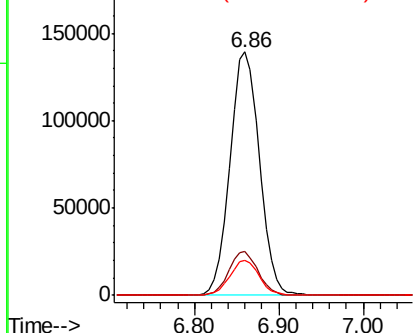
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010831.D
 Acq: 12 Jul 2019 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC011-SW-190711

Tot Ion:114 Resp: 330053
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 33.8
 88 14.3 0.0 27.6

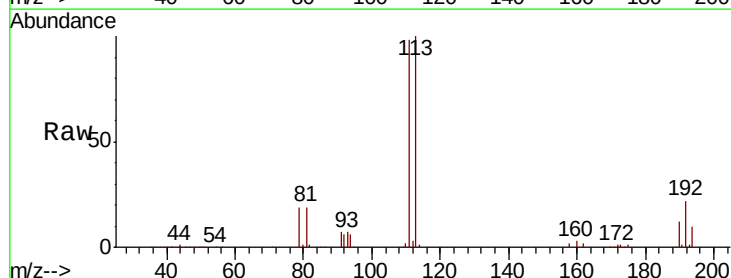


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

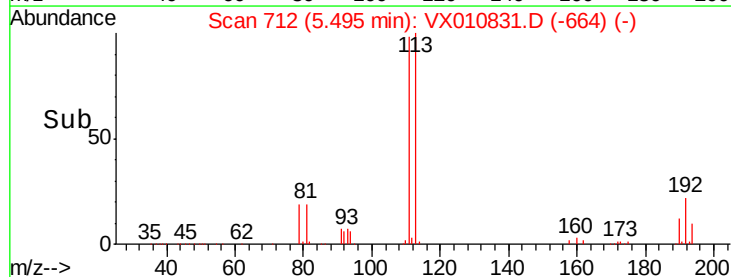
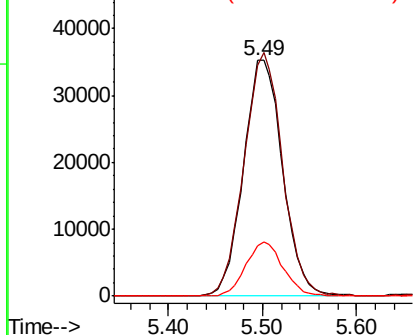


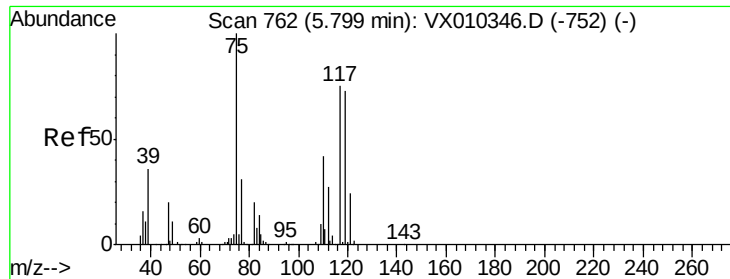
#35
 Dibromofluoromethane
 Concen: 50.727 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010831.D
 Acq: 12 Jul 2019 13:19

Tgt Ion:113 Resp: 102438
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.2 121.8
 192 21.9 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: 5.205 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-SW-190711

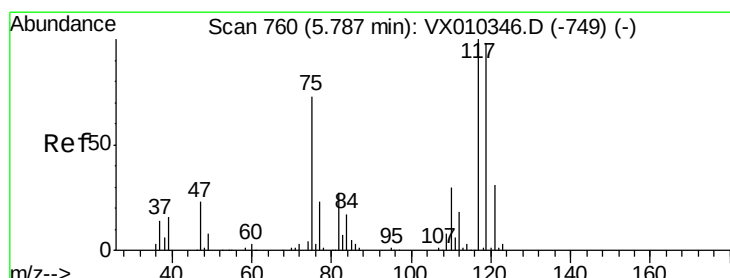
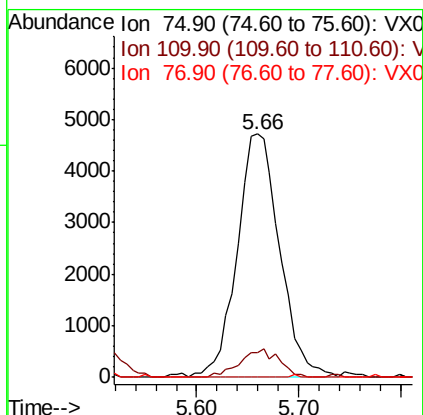
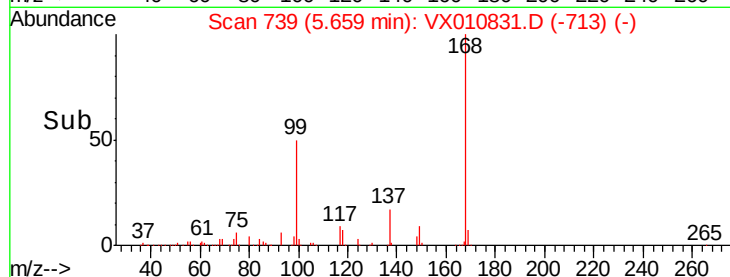
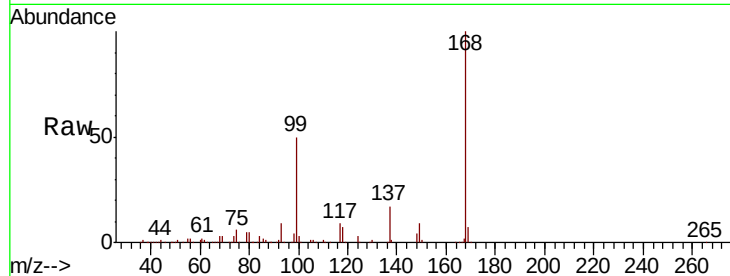
Tot Ion: 75 Resp: 13651

Ion Ratio Lower Upper

75 100

110 10.7 20.8 62.2#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.687 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

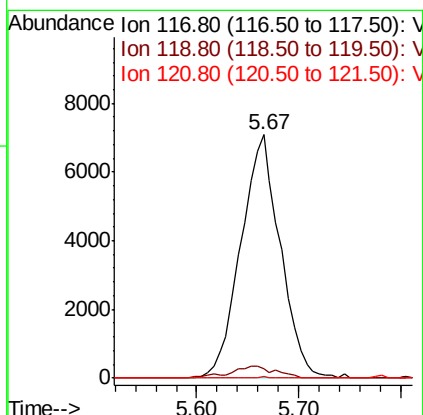
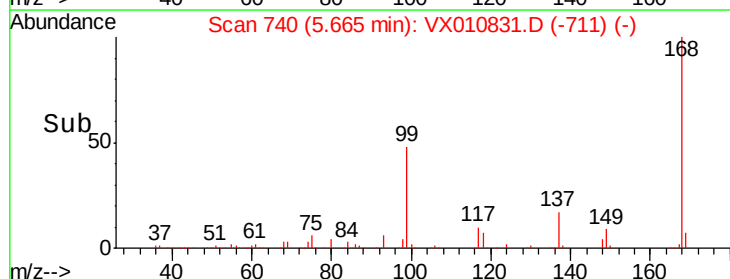
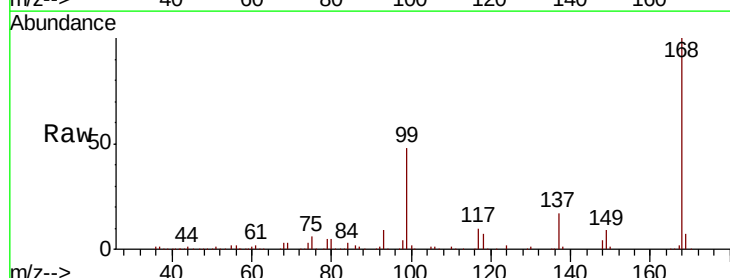
Tgt Ion:117 Resp: 18992

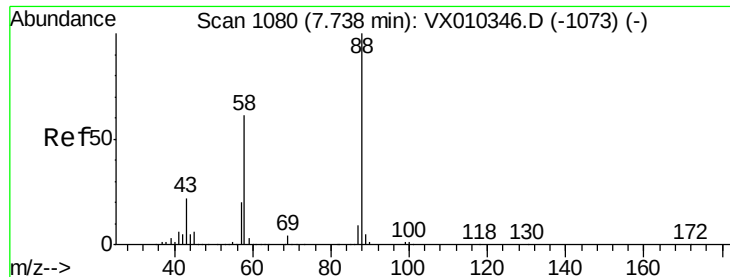
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.4#

121 0.8 24.7 37.1#





#49

1,4-Dioxane

Concen: 0.418 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-SW-190711

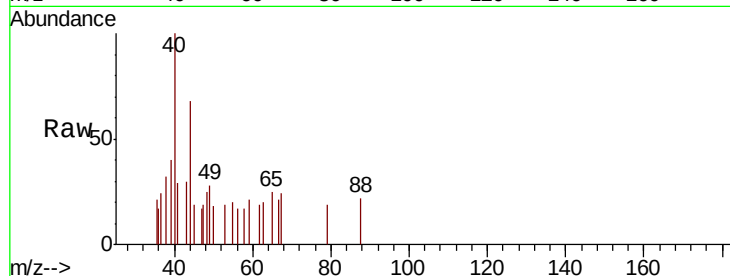
Tot Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

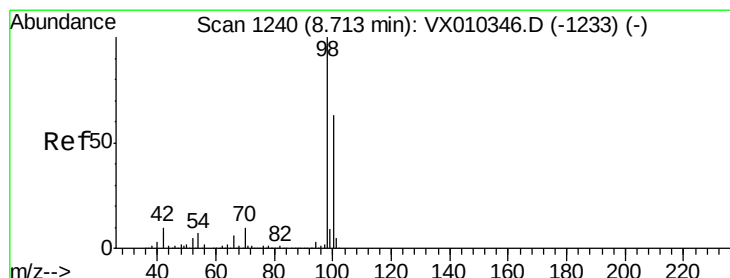
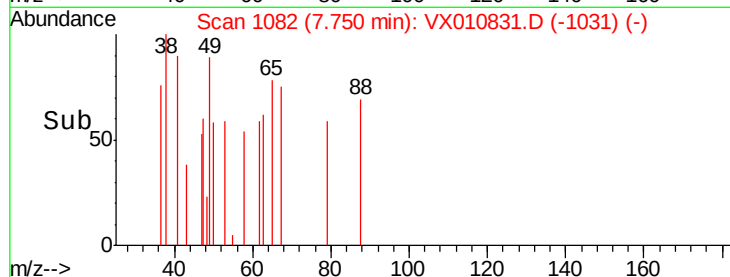
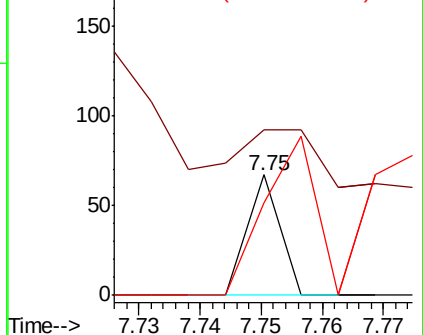
58 208.0 49.5 74.3#



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: 51.164 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010831.D

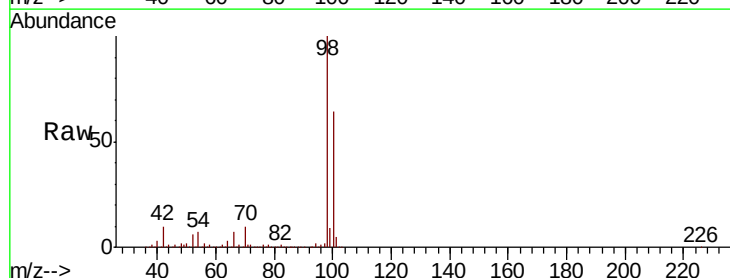
Acq: 12 Jul 2019 13:19

Tgt Ion: 98 Resp: 395280

Ion Ratio Lower Upper

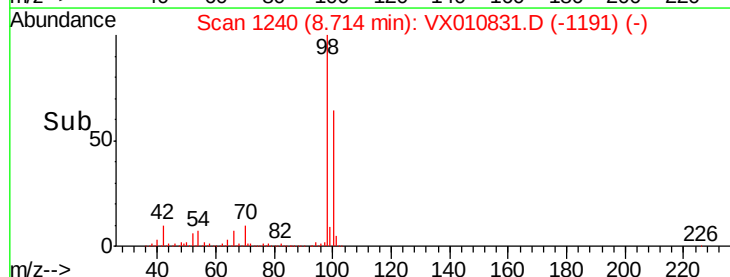
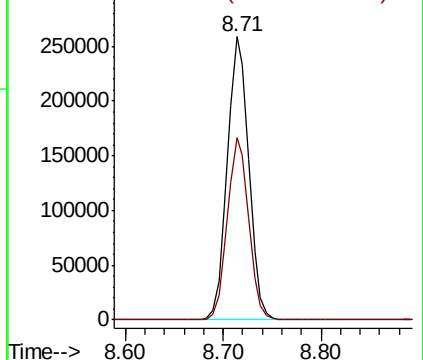
98 100

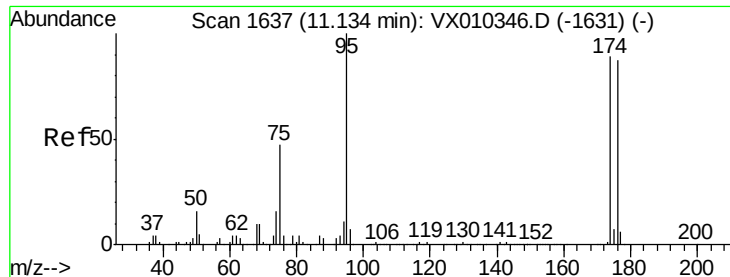
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.636 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-SW-190711

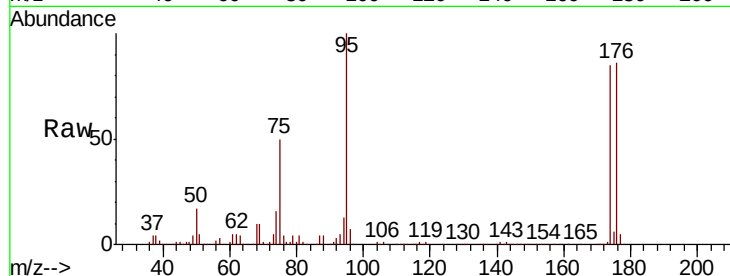
Tot Ion: 95 Resp: 132868

Ion Ratio Lower Upper

95 100

174 92.4 0.0 187.6

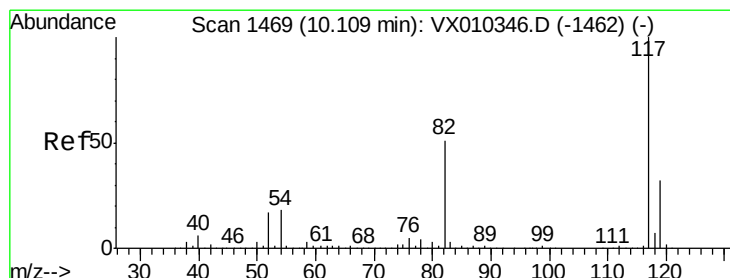
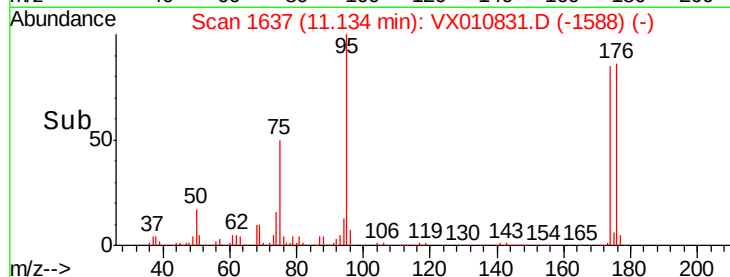
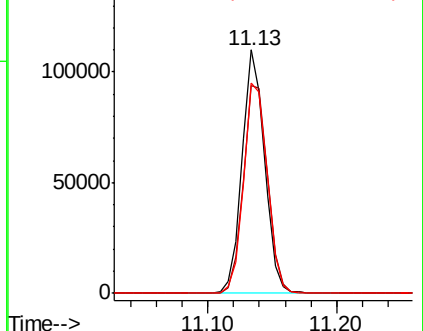
176 90.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010831.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010831.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010831.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

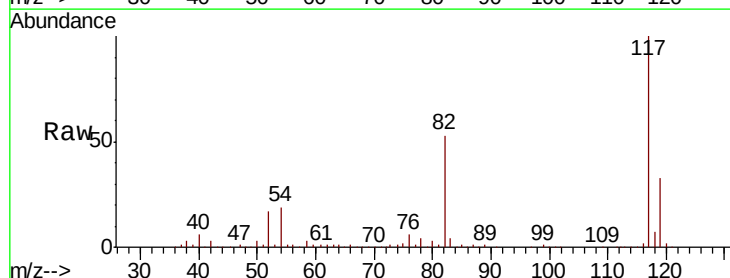
Tgt Ion: 117 Resp: 303003

Ion Ratio Lower Upper

117 100

82 52.9 41.2 61.8

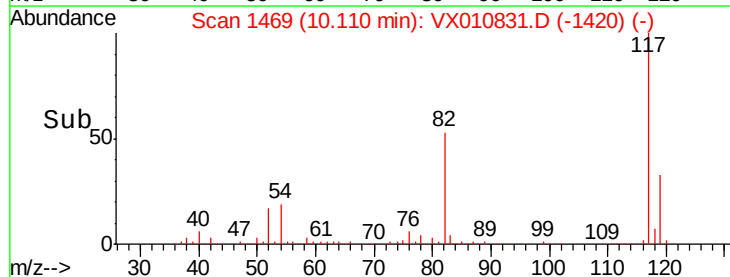
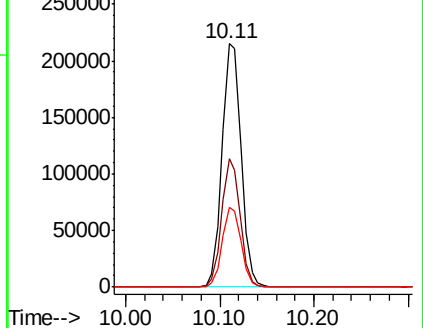
119 32.7 25.5 38.3

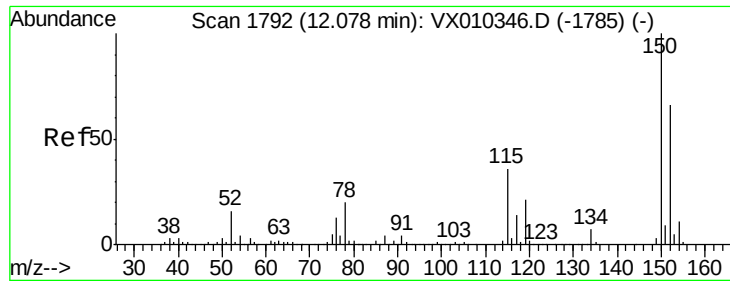


Abundance Ion 116.90 (116.60 to 117.60): VX010831.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010831.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010831.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: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-SW-190711

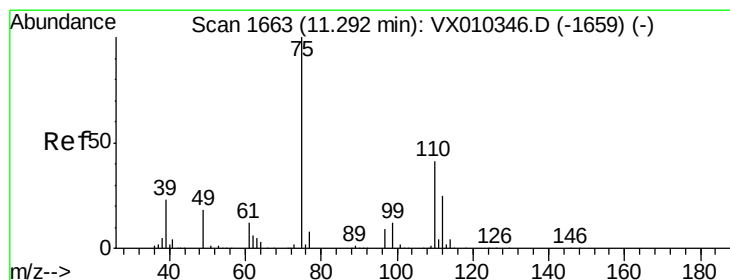
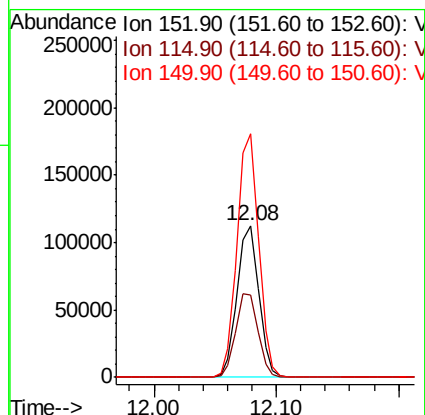
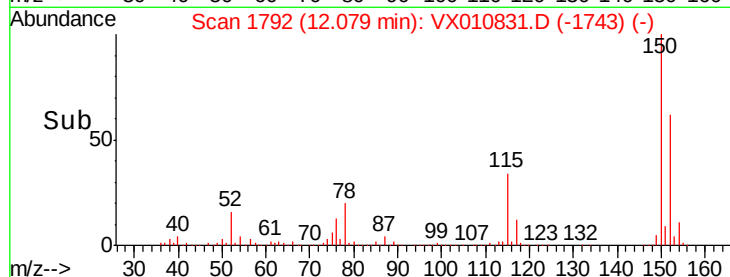
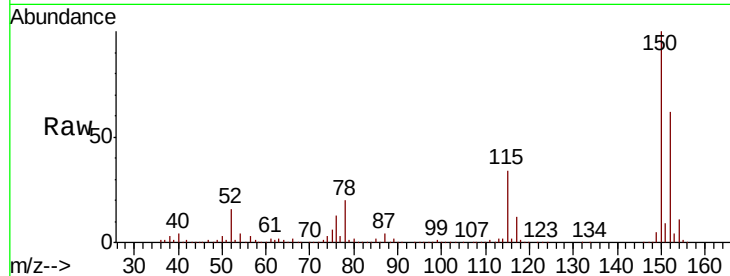
Tot Ion:152 Resp: 137940

Ion Ratio Lower Upper

152 100

115 56.5 38.6 115.7

150 159.6 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 25.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010831.D

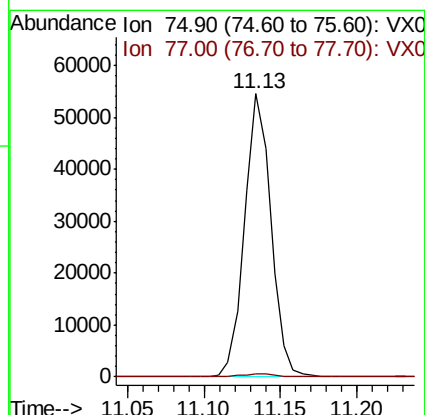
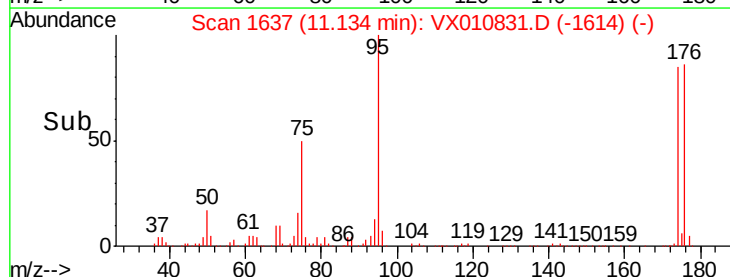
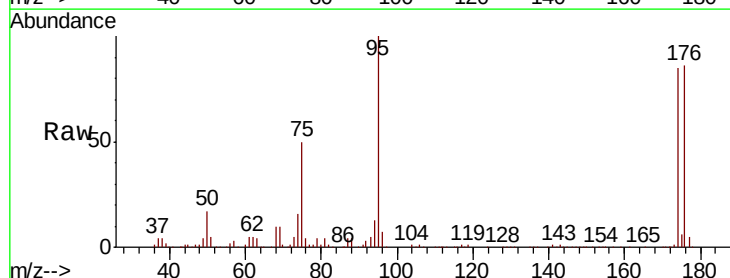
Acq: 12 Jul 2019 13:19

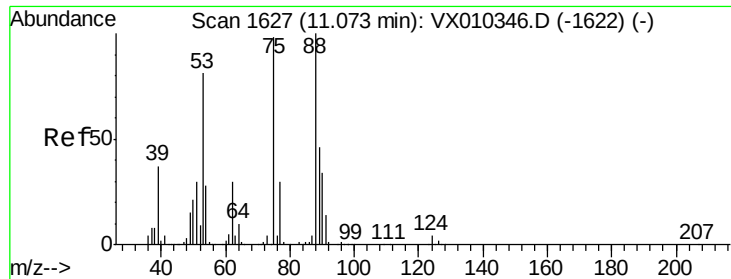
Tgt Ion: 75 Resp: 65341

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.643 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010831.D

Acq: 12 Jul 2019 13:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC011-SW-190711

Tot Ion: 75 Resp: 65341

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

