

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010833.D
 Acq On : 12 Jul 2019 14:06
 Operator : JC/SP
 Sample : K3782-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC015-SW-190711

Quant Time: Jul 13 01:38:49 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	199483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	289559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134040	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	102179	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
35) Dibromofluoromethane	5.50	113	97097	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	8.71	98	374863	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.13	95	125539	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

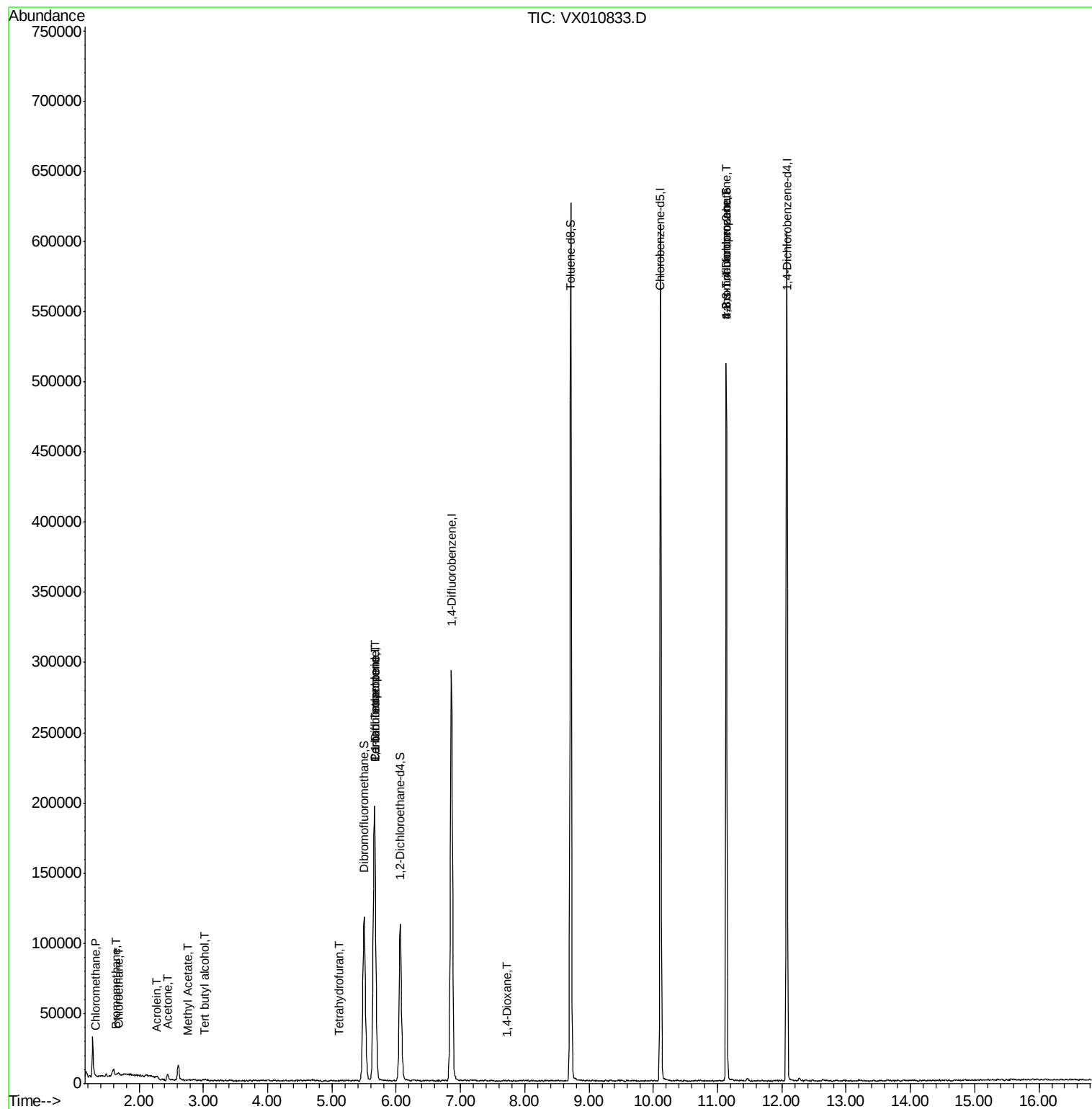
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	668	0.414	ug/l	93
5) Bromomethane	1.65	94	627	0.728	ug/l #	76
6) Chloroethane	1.69	64	479	0.459	ug/l #	41
11) Tert butyl alcohol	3.01	59	244	0.499	ug/l #	74
13) Acrolein	2.28	56	261	0.804	ug/l #	73
16) Acetone	2.45	43	5246	5.597	ug/l	96
18) Methyl Acetate	2.77	43	500	0.268	ug/l	93
29) Tetrahydrofuran	5.11	42	202	0.237	ug/l #	43
36) 1,1-Dichloropropene	5.67	75	13611	5.420	ug/l #	47
38) Carbon Tetrachloride	5.66	117	17757	6.530	ug/l #	15
49) 1,4-Dioxane	7.72	88	44	0.769	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62951	25.773	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	62951	60.125	ug/l #	16

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

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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: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

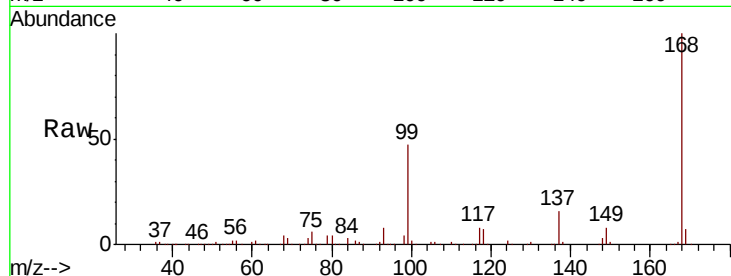
KY030LC015-SW-190711

Tot Ion:168 Resp: 199483

Ion Ratio Lower Upper

168 100

99 46.7 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

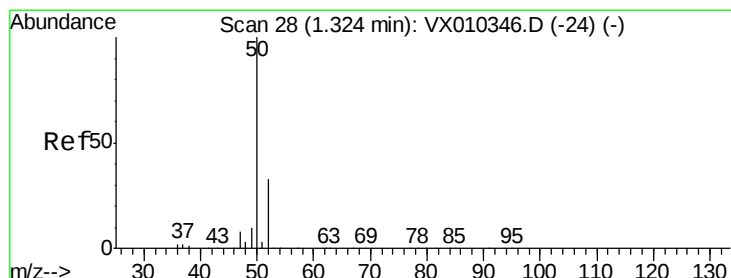
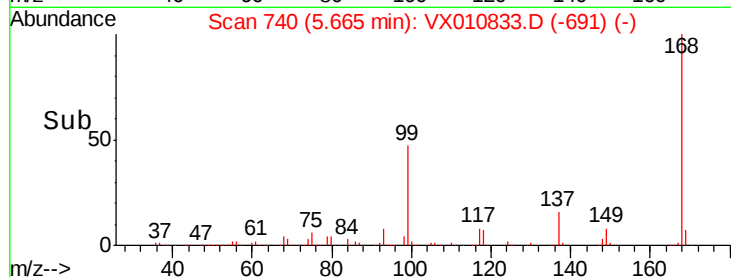
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.414 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010833.D

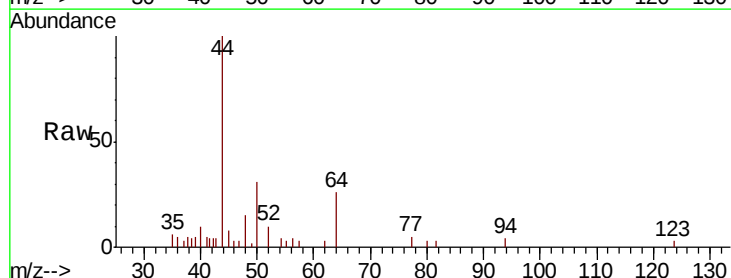
Acq: 12 Jul 2019 14:06

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

50 100

52 29.1 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

800

600

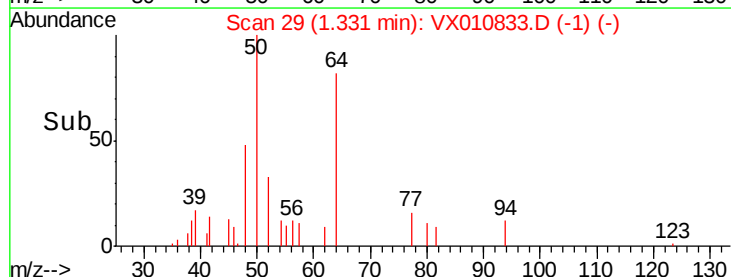
400

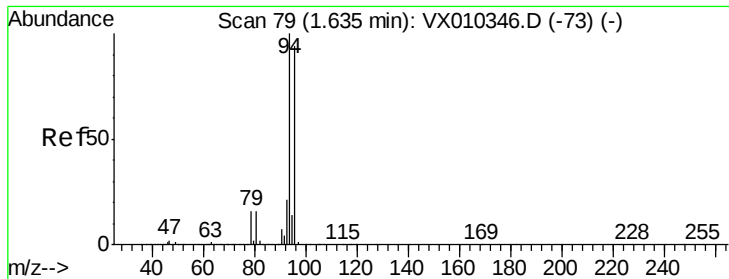
200

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.728 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

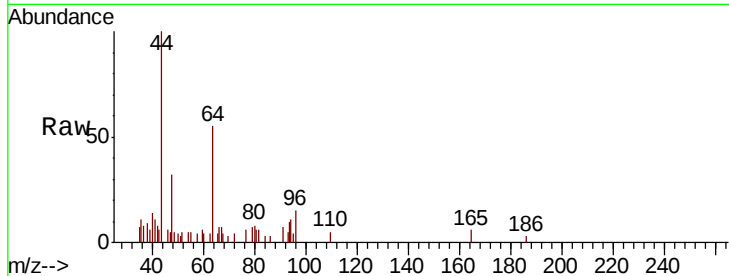
KY030LC015-SW-190711

Tot Ion: 94 Resp: 627

Ion Ratio Lower Upper

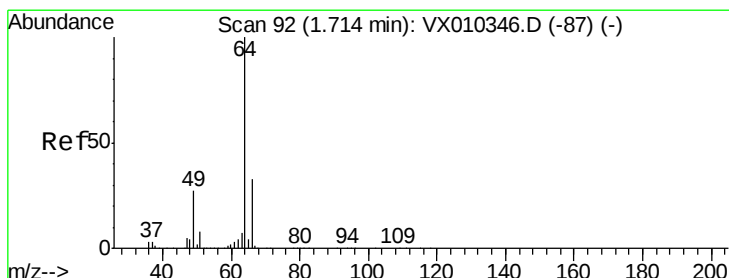
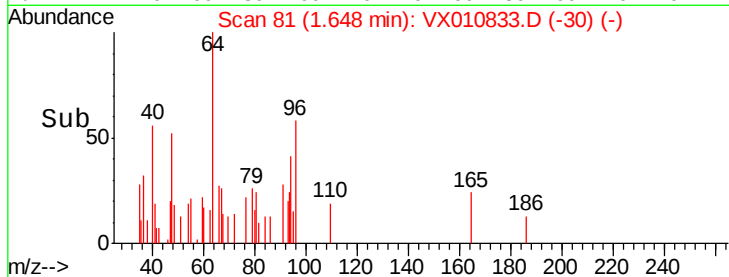
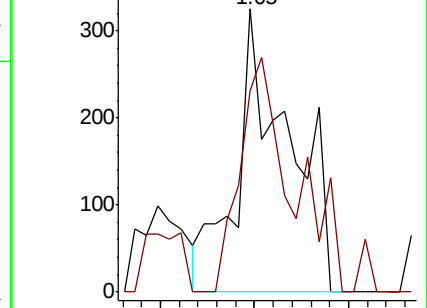
94 100

96 71.1 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: 0.459 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010833.D

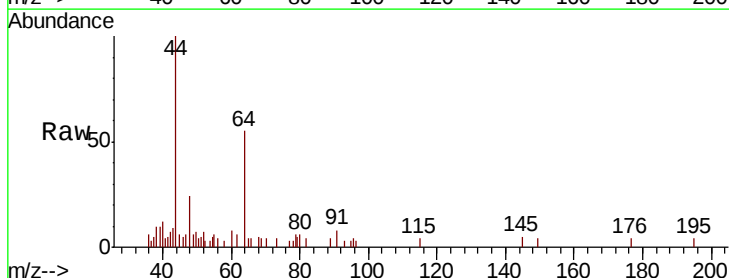
Acq: 12 Jul 2019 14:06

Tgt Ion: 64 Resp: 479

Ion Ratio Lower Upper

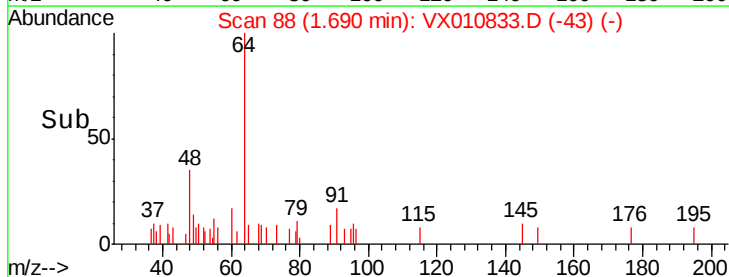
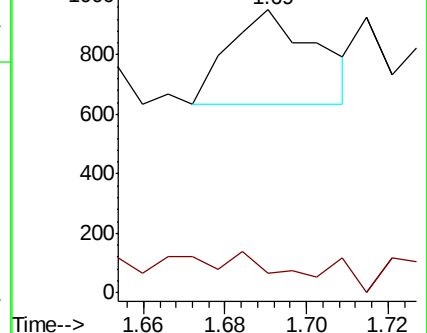
64 100

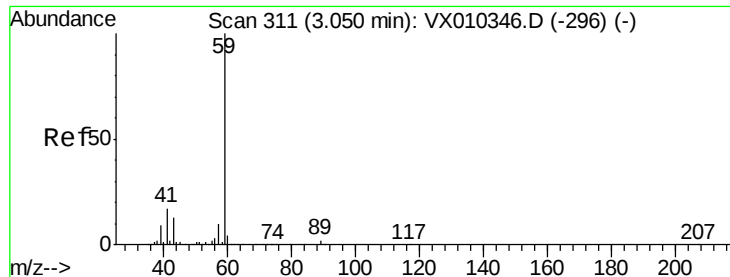
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



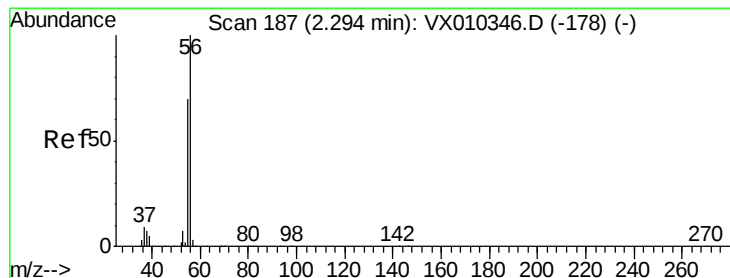
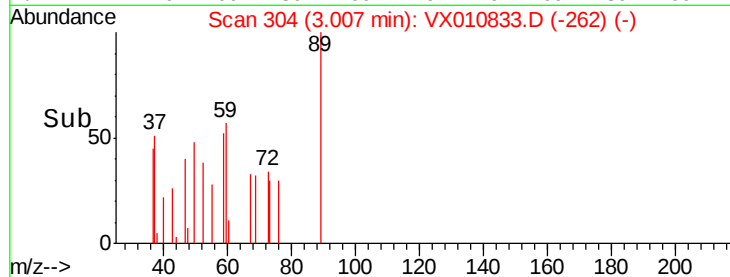
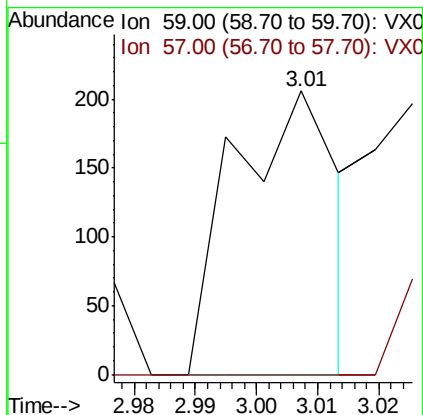
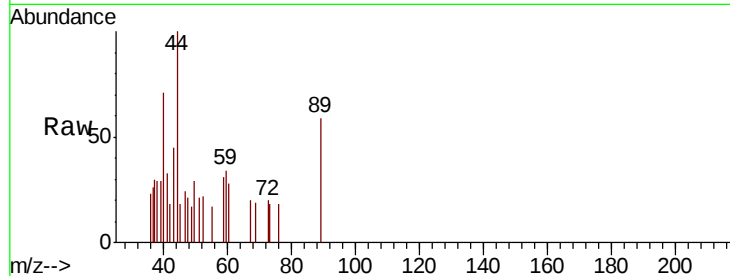


#11

Tert butyl alcohol
 Concen: 0.499 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.04 min
 Lab File: VX010833.D
 Acq: 12 Jul 2019 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC015-SW-190711

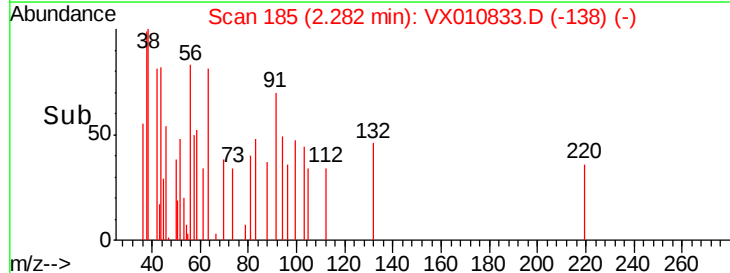
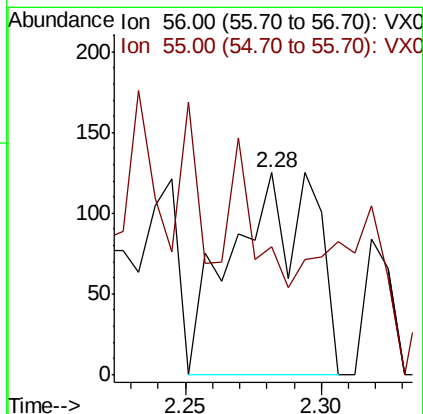
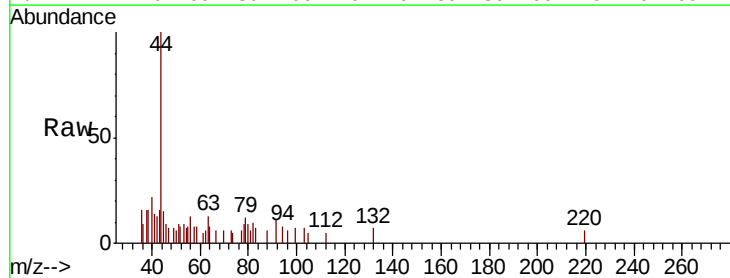
Tot Ion: 59 Resp: 244
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

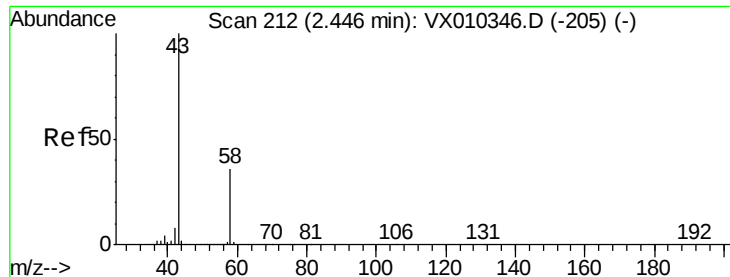


#13

Acrolein
 Concen: 0.804 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX010833.D
 Acq: 12 Jul 2019 14:06

Tgt Ion: 56 Resp: 261
 Ion Ratio Lower Upper
 56 100
 55 49.0 56.9 85.3#





#16

Acetone

Concen: 5.597 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

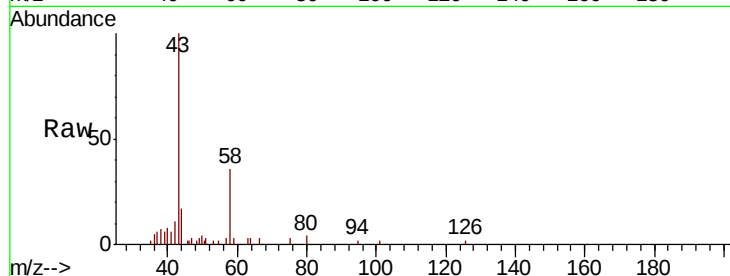
KY030LC015-SW-190711

Tot Ion: 43 Resp: 5246

Ion Ratio Lower Upper

43 100

58 33.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

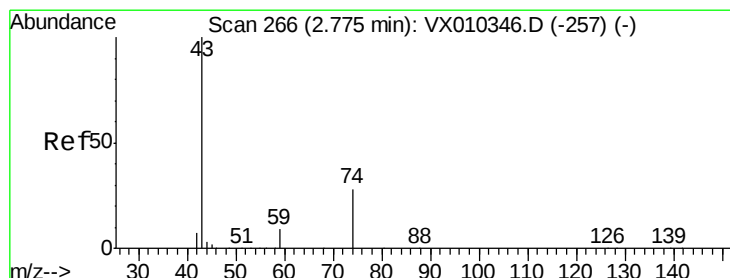
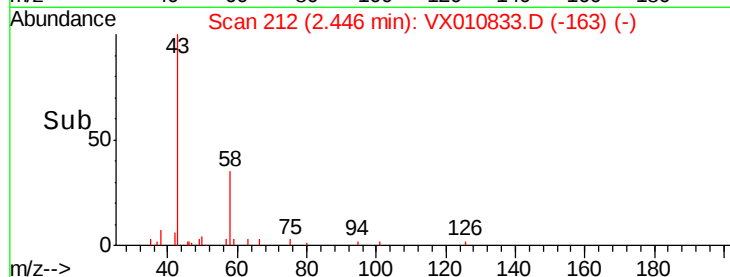
1500

1000

500

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010833.D

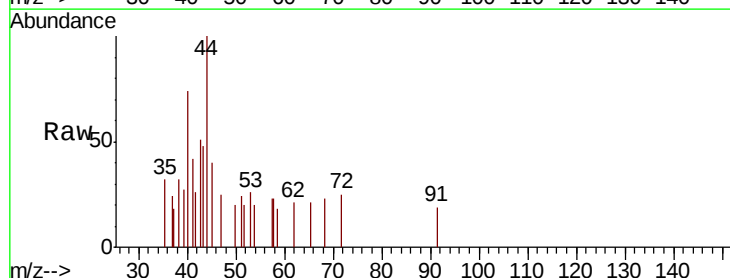
Acq: 12 Jul 2019 14:06

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

74 22.8 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

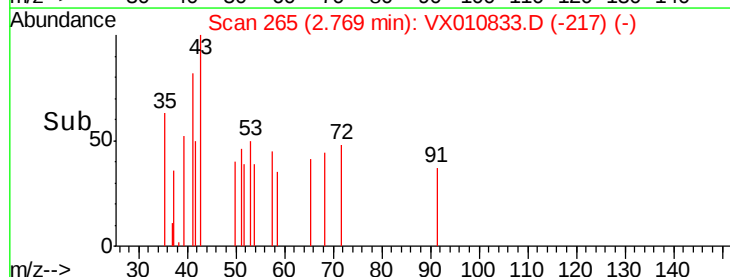
300

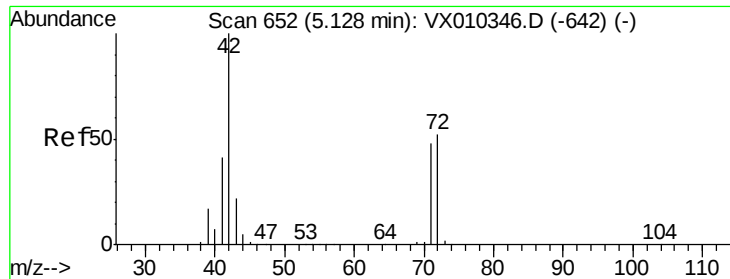
200

100

0

Time--> 2.75 2.80





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.02 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

KY030LC015-SW-190711

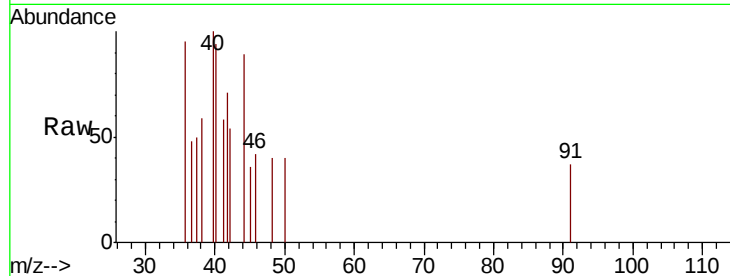
Tot Ion: 42 Resp: 202

Ion Ratio Lower Upper

42 100

72 9.4 40.6 60.8#

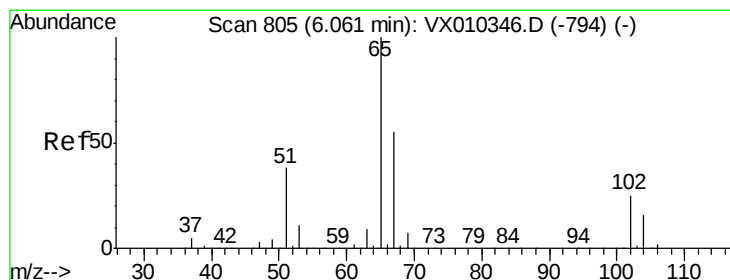
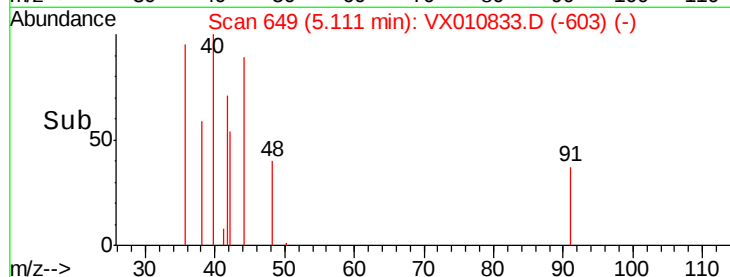
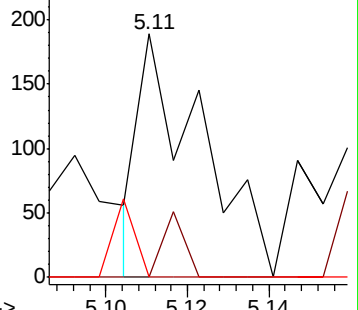
71 10.9 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.631 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010833.D

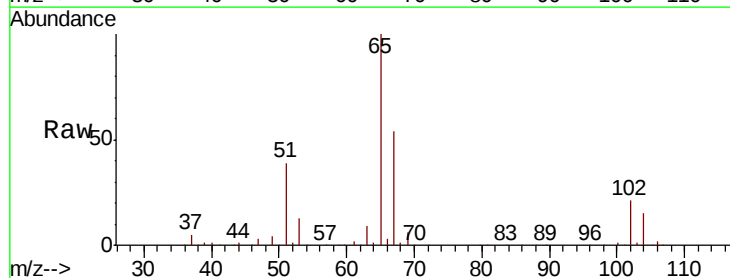
Acq: 12 Jul 2019 14:06

Tgt Ion: 65 Resp: 102179

Ion Ratio Lower Upper

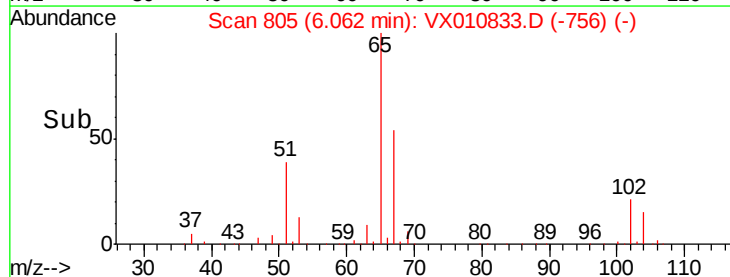
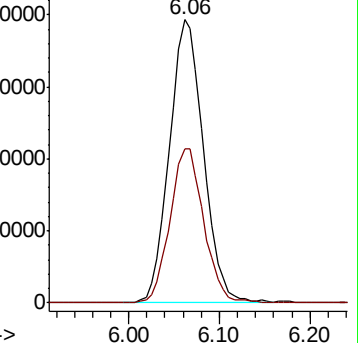
65 100

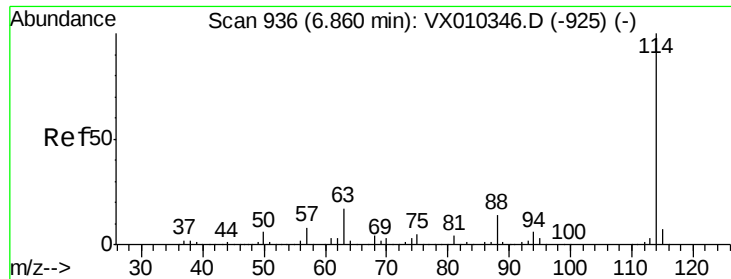
67 54.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

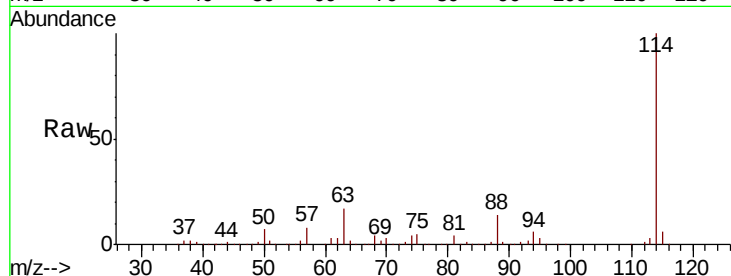




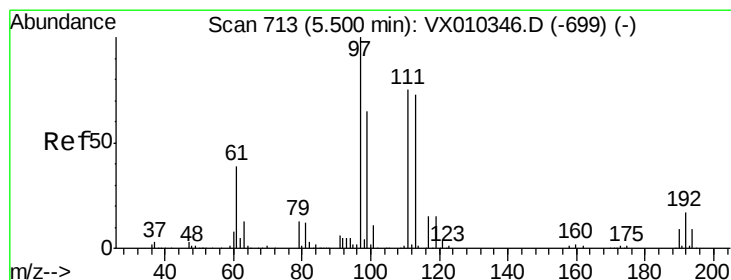
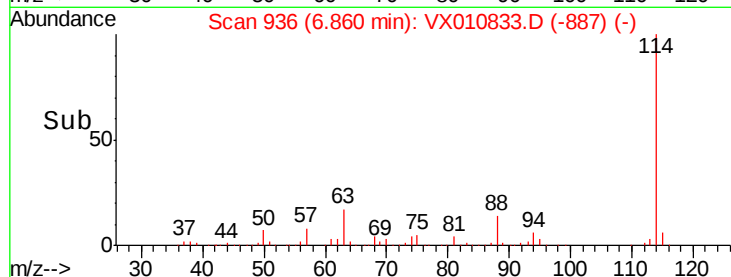
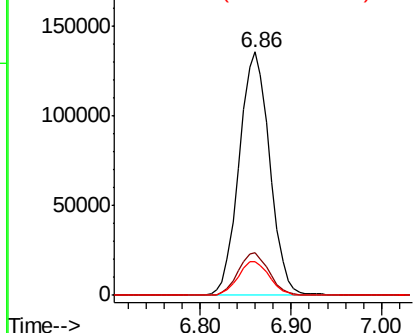
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010833.D
Acq: 12 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :
KY030LC015-SW-190711

Tot Ion:114 Resp: 315998
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 13.7 0.0 27.6

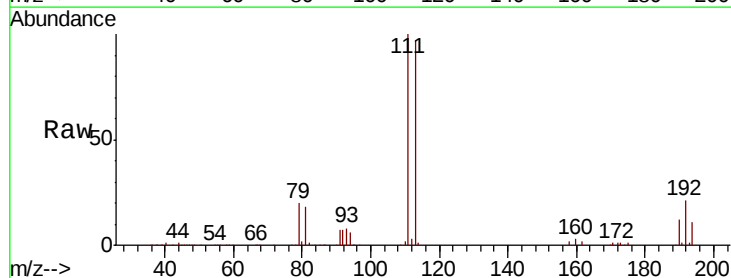


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

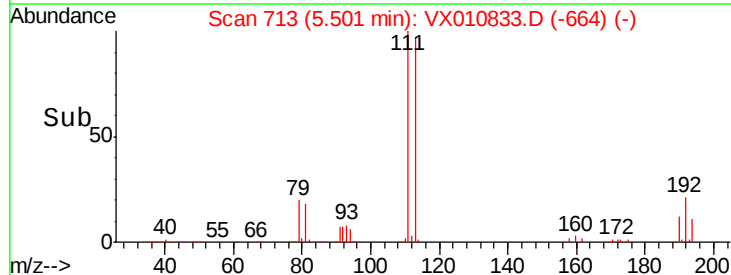
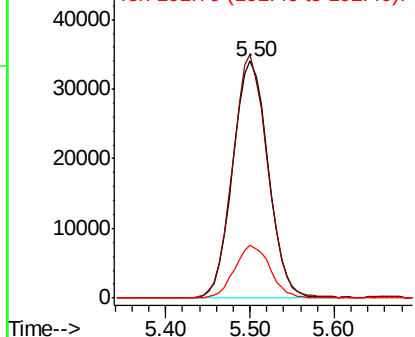


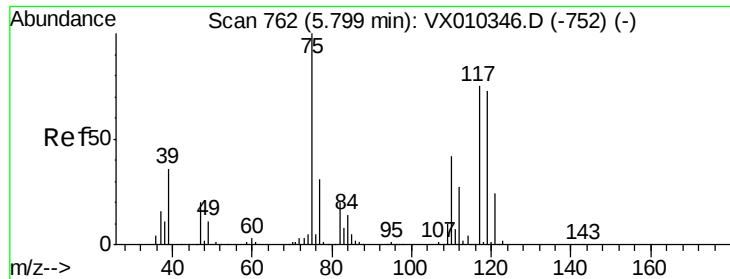
#35
Dibromofluoromethane
Concen: 50.221 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010833.D
Acq: 12 Jul 2019 14:06

Tgt Ion:113 Resp: 97097
Ion Ratio Lower Upper
113 100
111 100.7 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

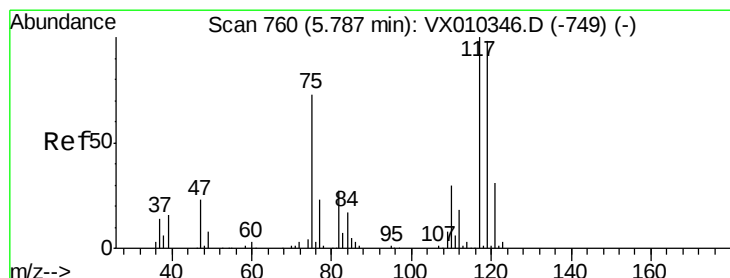
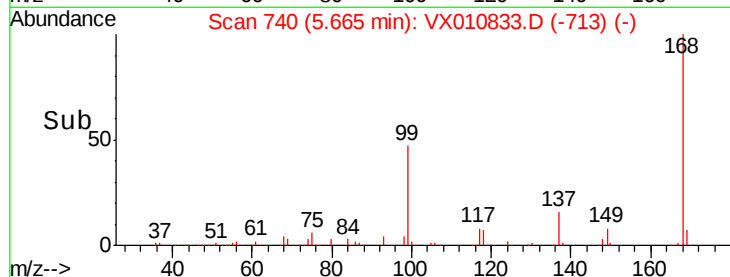
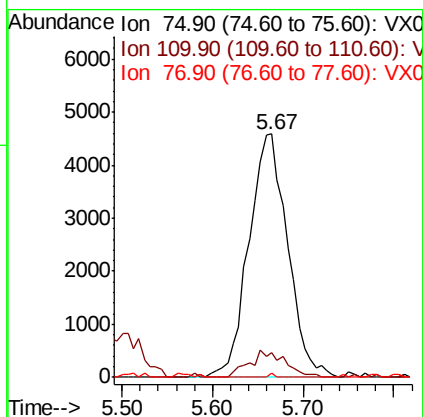
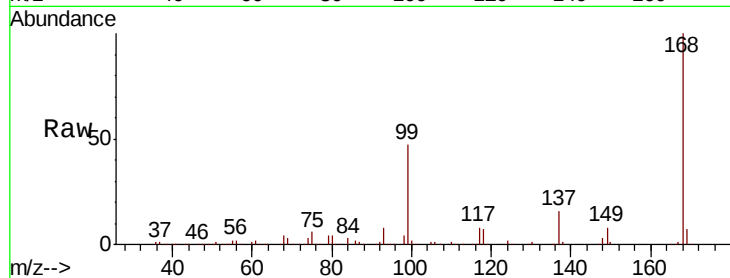




#36
 1,1-Dichloropropene
 Concen: 5.420 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010833.D
 Acq: 12 Jul 2019 14:06

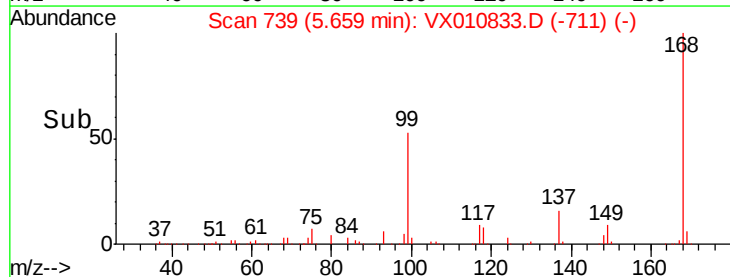
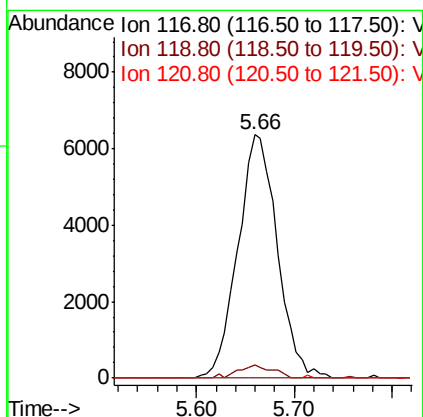
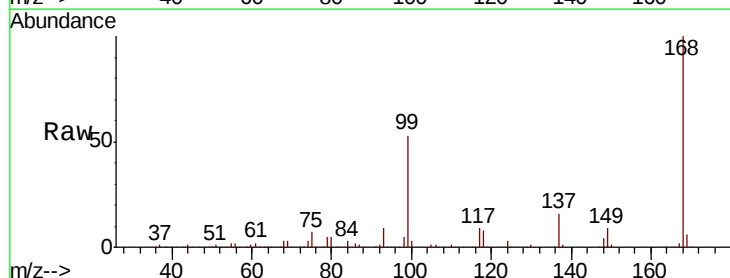
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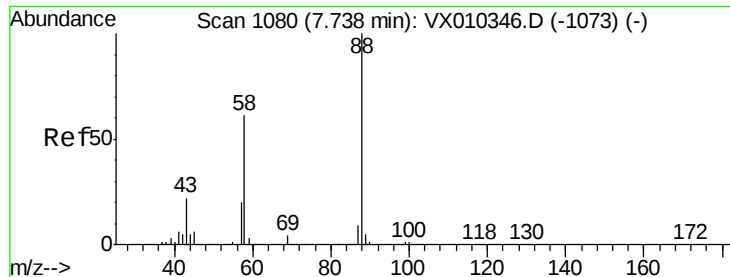
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.8	62.2#
77	0.2	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.530 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010833.D
 Acq: 12 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.769 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

KY030LC015-SW-190711

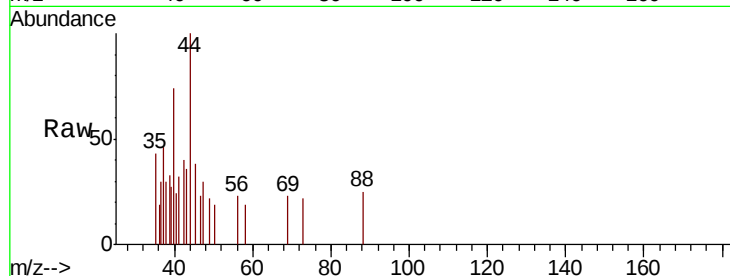
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 150.0 20.2 30.2#

58 90.9 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

200

150

100

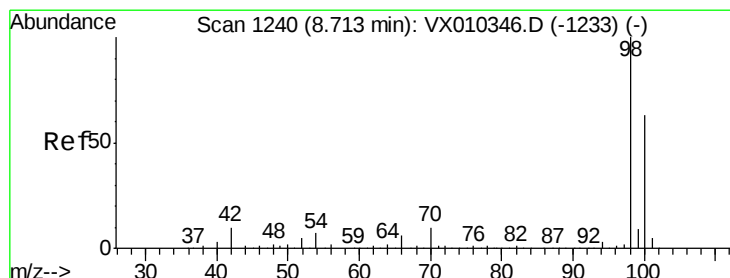
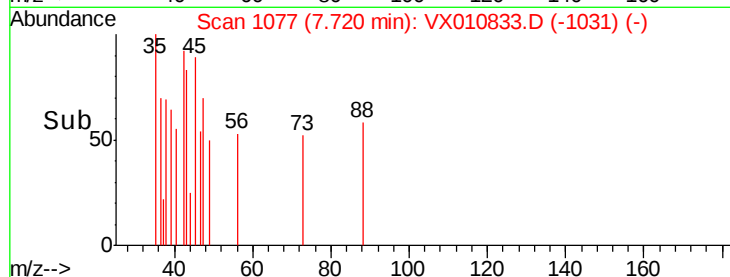
50

0

7.70 7.72 7.74

7.72

Time-->



#50

Toluene-d8

Concen: 50.679 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010833.D

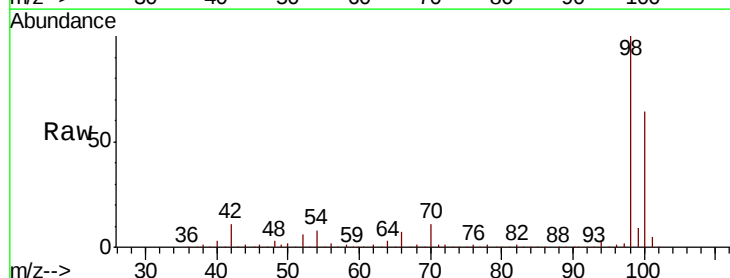
Acq: 12 Jul 2019 14:06

Tgt Ion: 98 Resp: 374863

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

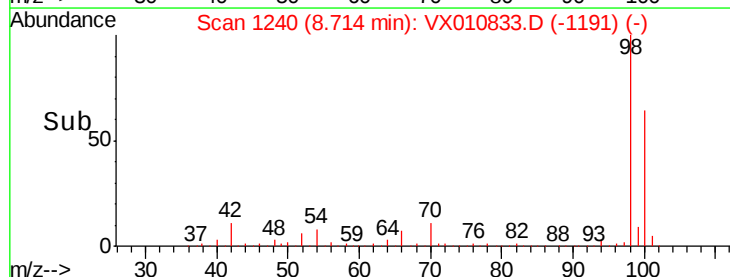
50000

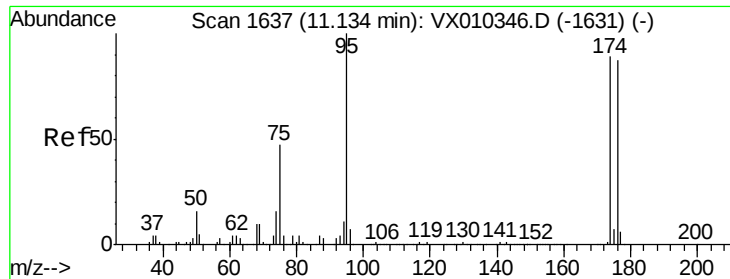
0

8.60 8.70 8.80

8.71

Time-->





#62

4-Bromofluorobenzene

Concen: 47.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

KY030LC015-SW-190711

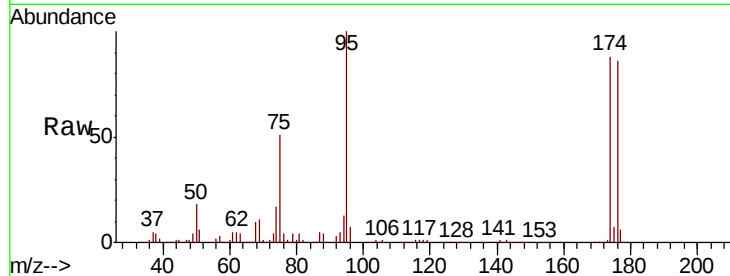
Tot Ion: 95 Resp: 125539

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.6

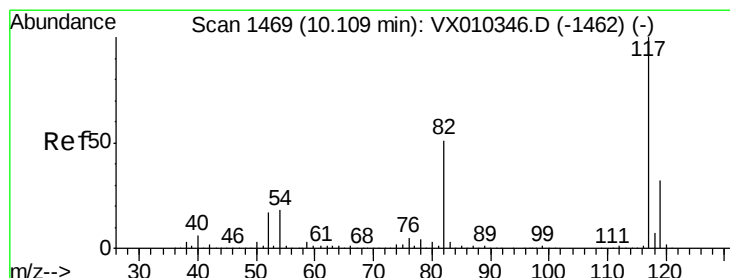
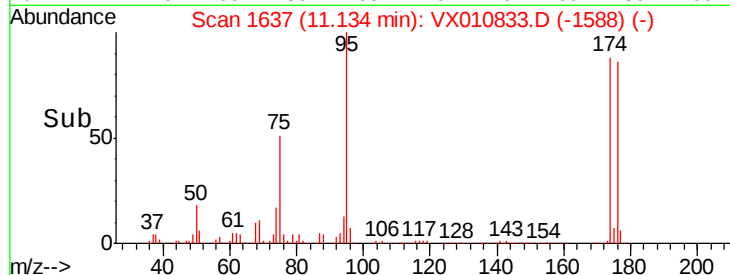
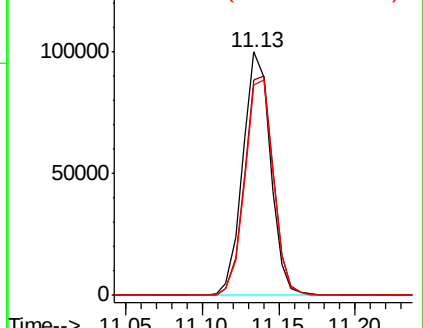
176 90.8 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010833.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010833.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010833.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

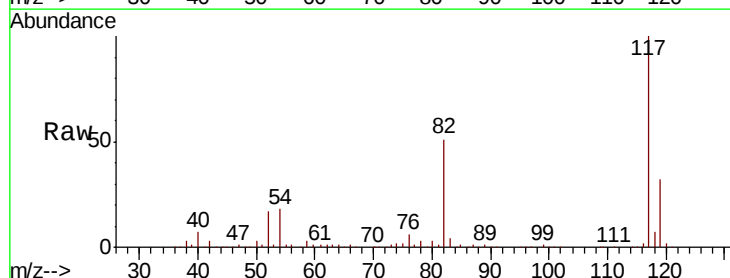
Tgt Ion: 117 Resp: 289559

Ion Ratio Lower Upper

117 100

82 50.9 41.2 61.8

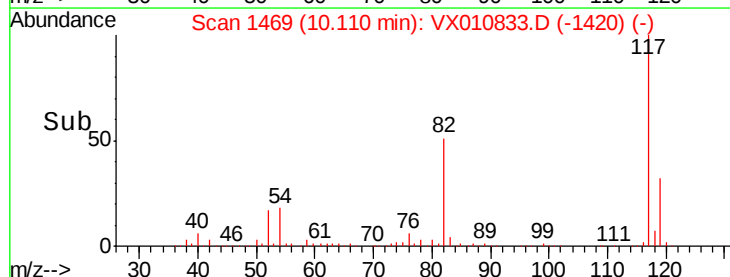
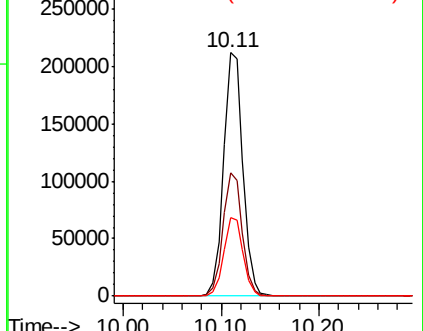
119 32.4 25.5 38.3

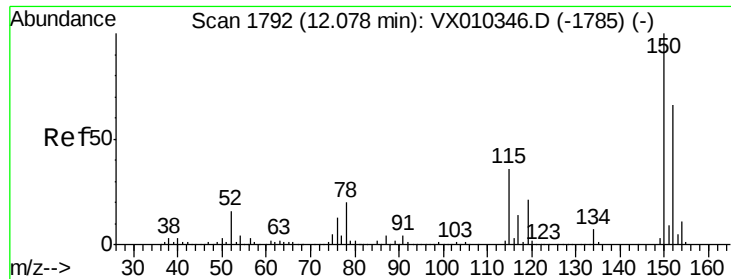


Abundance Ion 116.90 (116.60 to 117.60): VX010833.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010833.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010833.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: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

KY030LC015-SW-190711

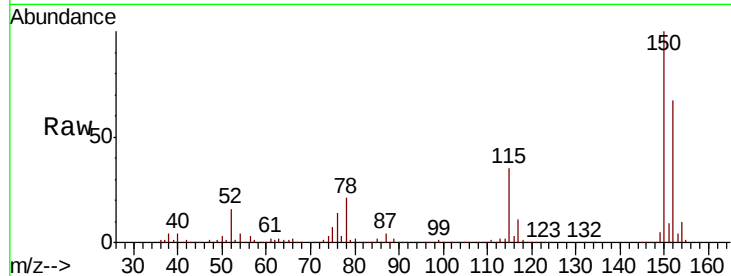
Tot Ion:152 Resp: 134040

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

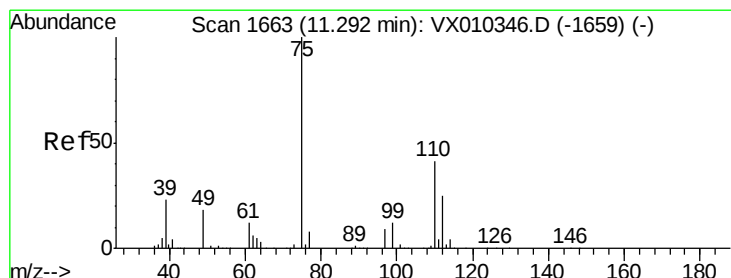
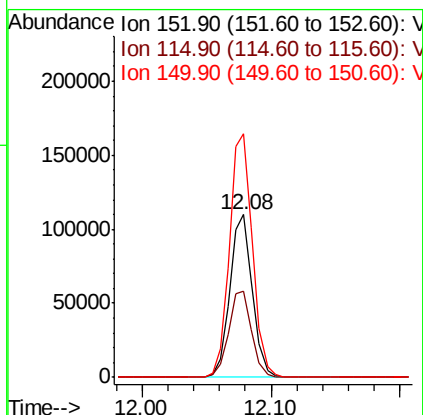
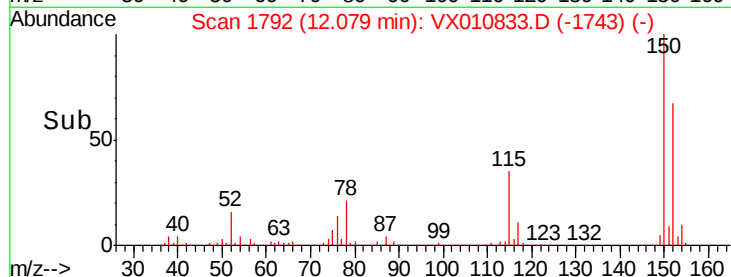
150 153.9 0.0 347.4



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: 25.773 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010833.D

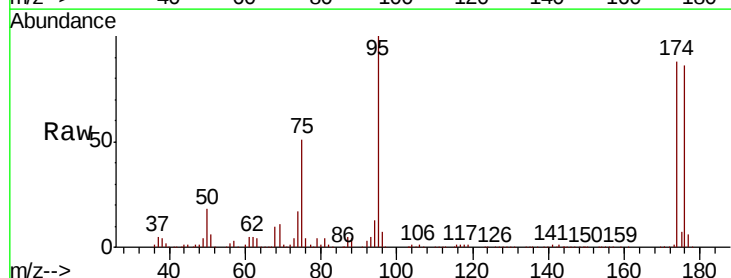
Acq: 12 Jul 2019 14:06

Tgt Ion: 75 Resp: 62951

Ion Ratio Lower Upper

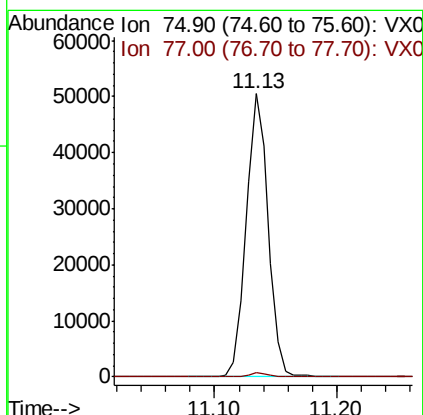
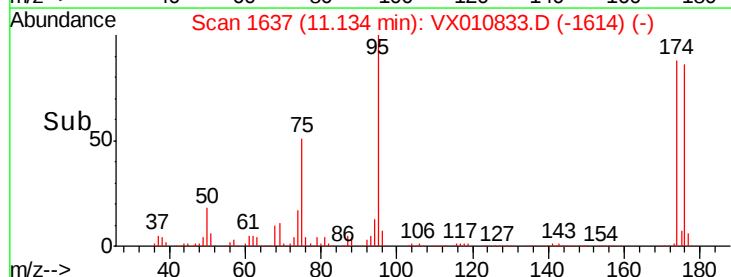
75 100

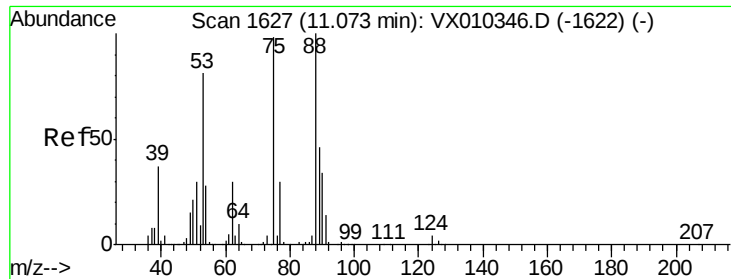
77 1.4 22.6 67.8#



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: 60.125 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010833.D

Acq: 12 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

KY030LC015-SW-190711

Tot Ion: 75 Resp: 62951

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

