

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010776.D
 Acq On : 10 Jul 2019 14:49
 Operator : JC/SP
 Sample : K3732-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC001-SW-190709

Quant Time: Jul 11 01:14:59 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	5.66	168	211080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335206	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144301	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	107871	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	5.50	113	103170	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
50) Toluene-d8	8.71	98	400225	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	134855	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

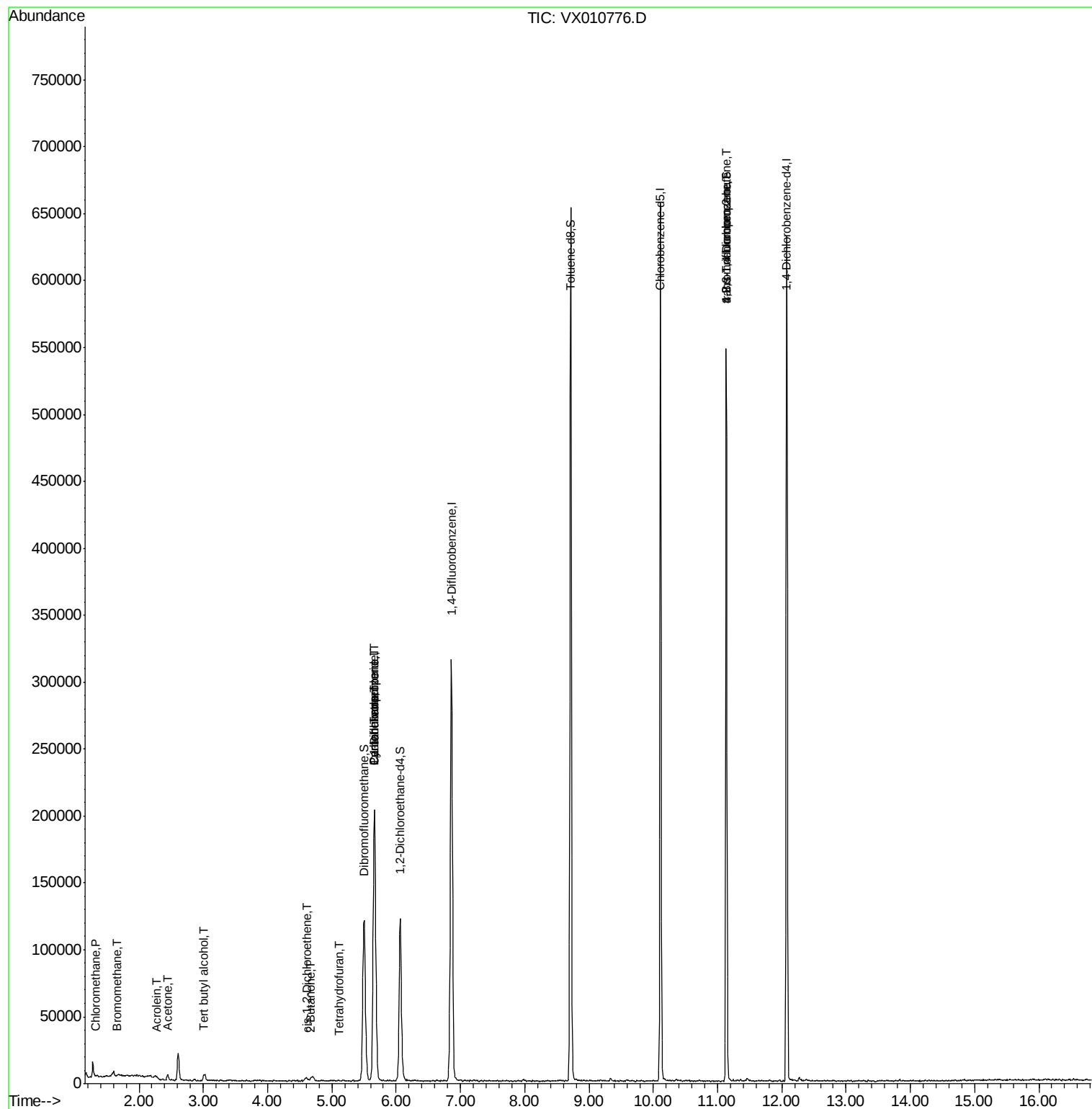
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	779	0.456	ug/l #	84
5) Bromomethane	1.65	94	539	0.591	ug/l #	73
11) Tert butyl alcohol	3.01	59	2756	5.322	ug/l #	80
13) Acrolein	2.28	56	194	0.565	ug/l #	72
16) Acetone	2.44	43	4573	4.611	ug/l	95
25) 2-Butanone	4.67	43	306	0.210	ug/l #	54
27) cis-1,2-Dichloroethene	4.60	96	1529	0.672	ug/l	87
29) Tetrahydrofuran	5.12	42	206	0.229	ug/l #	47
31) Cyclohexane	5.66	56	4066	1.422	ug/l #	27
36) 1,1-Dichloropropene	5.66	75	13822	5.189	ug/l #	48
38) Carbon Tetrachloride	5.66	117	19018	6.593	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	65526	24.919	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	65526	58.134	ug/l #	16

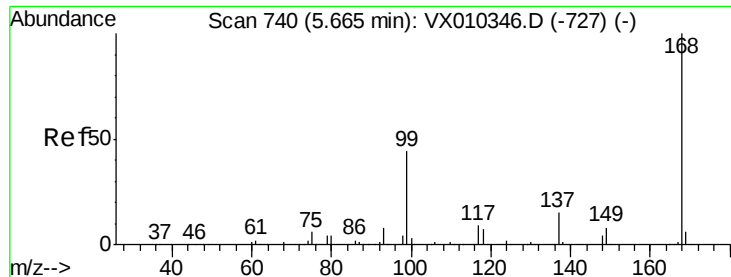
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

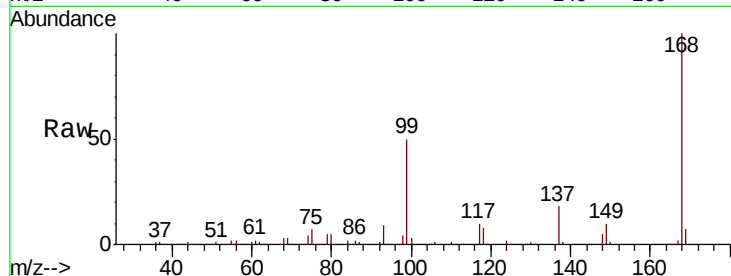
KY030LC001-SW-190709

Tot Ion:168 Resp: 211080

Ion Ratio Lower Upper

168 100

99 50.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

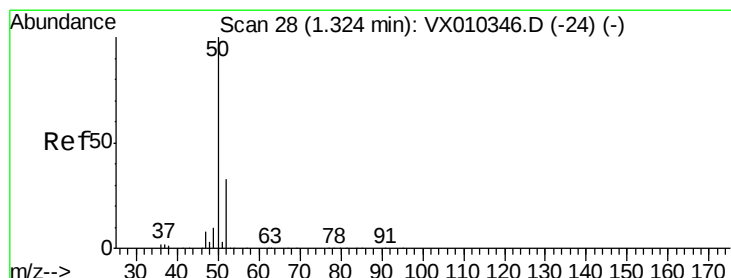
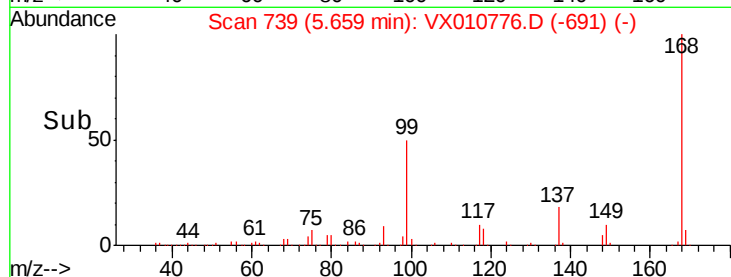
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.456 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010776.D

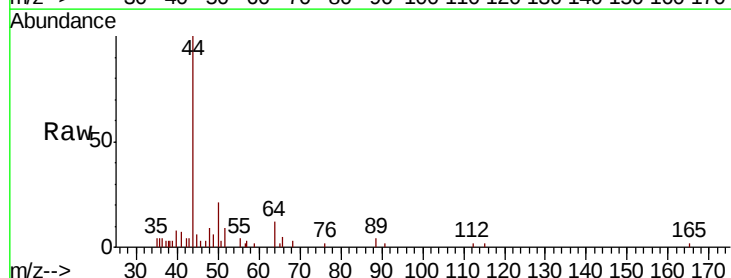
Acq: 10 Jul 2019 14:49

Tgt Ion: 50 Resp: 779

Ion Ratio Lower Upper

50 100

52 42.3 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

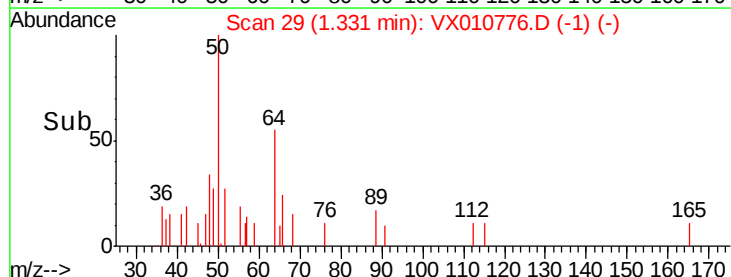
300

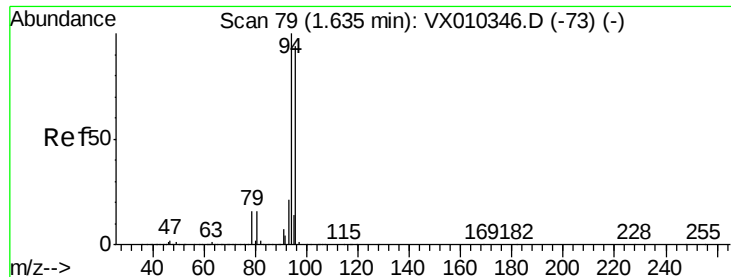
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.591 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

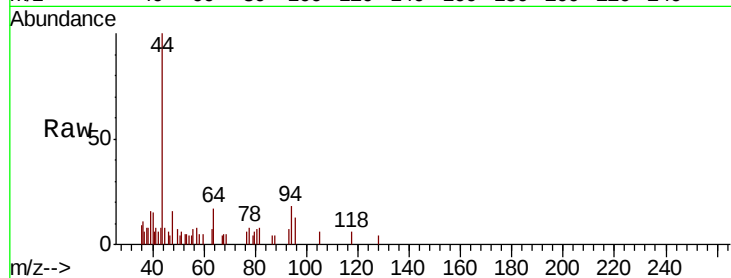
KY030LC001-SW-190709

Tot Ion: 94 Resp: 539

Ion Ratio Lower Upper

94 100

96 68.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

100

50

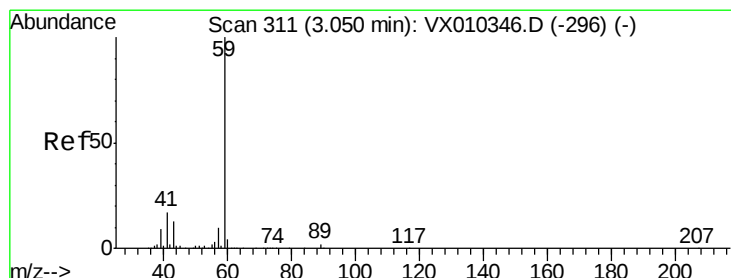
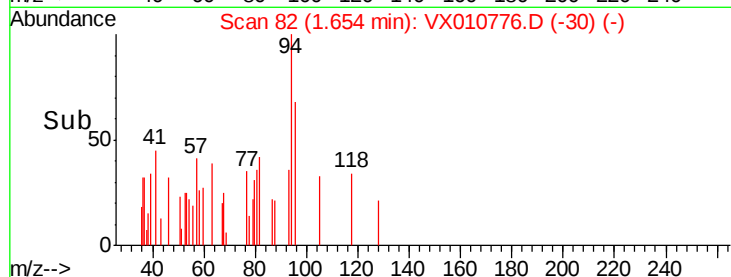
0

1.60

1.65

1.70

Time-->



#11

Tert butyl alcohol

Concen: 5.322 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.04 min

Lab File: VX010776.D

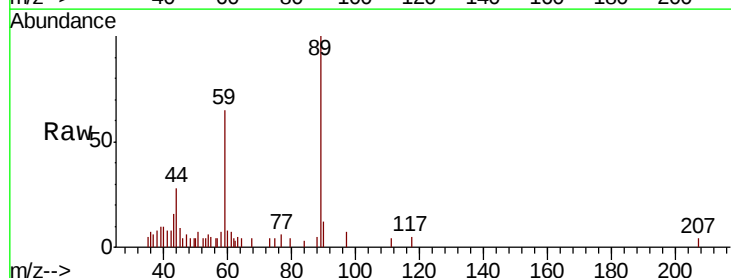
Acq: 10 Jul 2019 14:49

Tgt Ion: 59 Resp: 2756

Ion Ratio Lower Upper

59 100

57 2.4 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

600

400

200

0

2.90

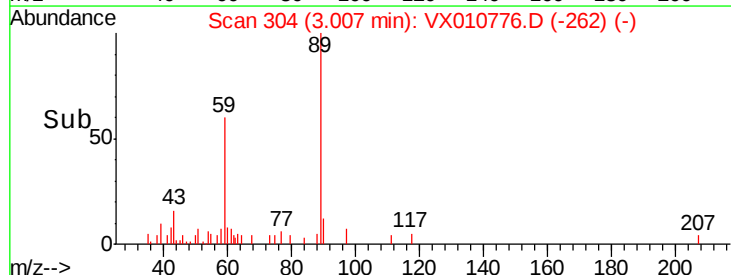
2.95

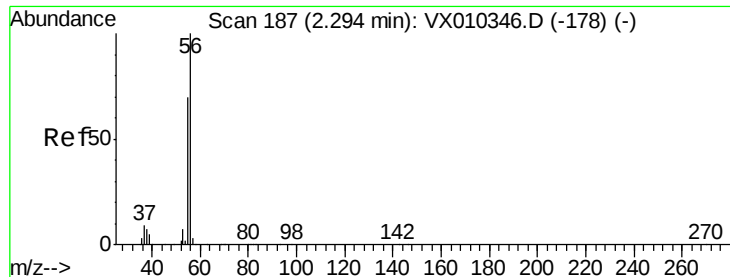
3.00

3.05

3.10

Time-->





#13

Acrolein

Concen: 0.565 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

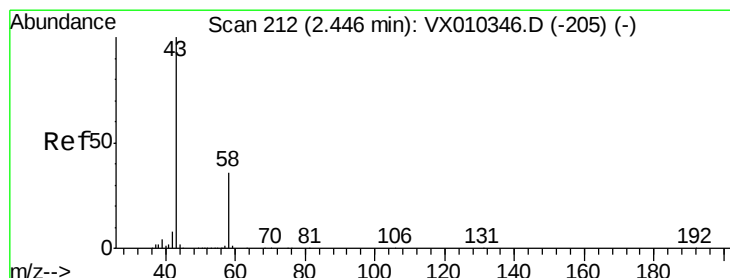
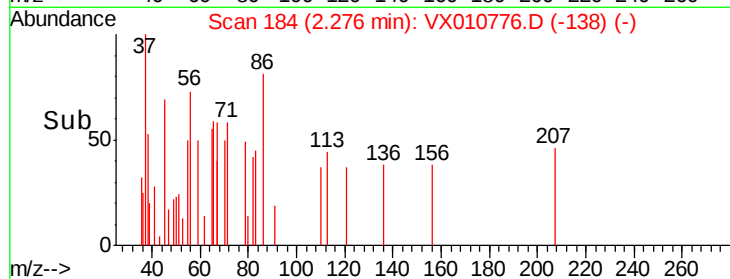
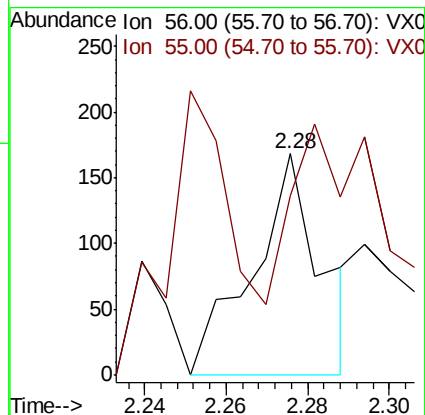
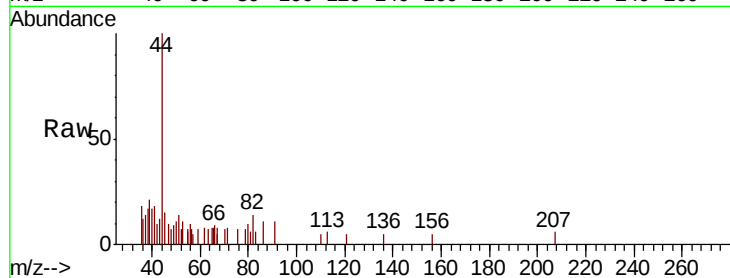
KY030LC001-SW-190709

Tot Ion: 56 Resp: 194

Ion Ratio Lower Upper

56 100

55 94.3 56.9 85.3#



#16

Acetone

Concen: 4.611 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010776.D

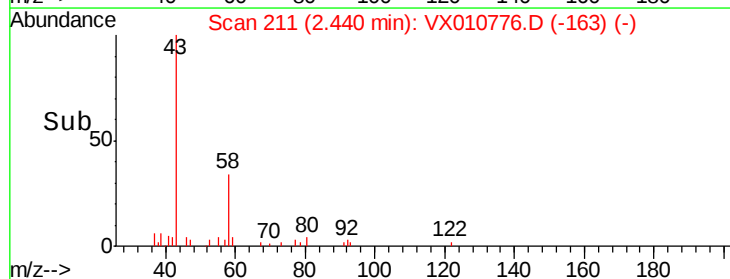
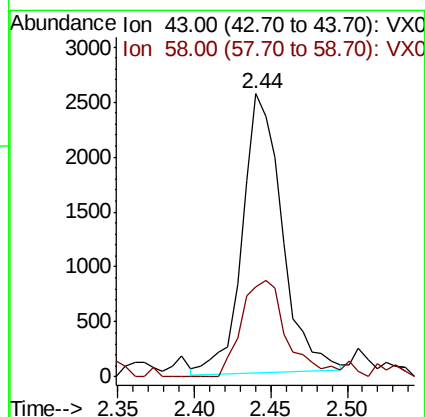
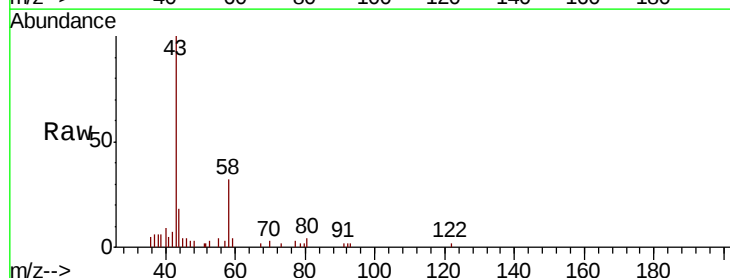
Acq: 10 Jul 2019 14:49

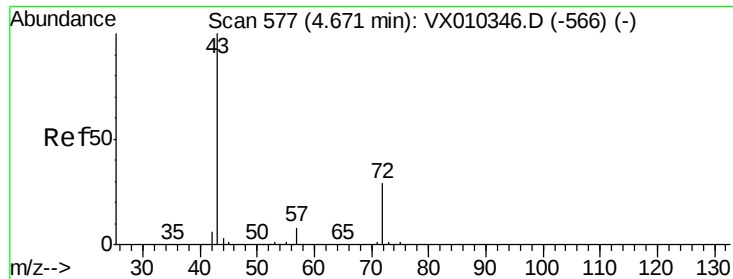
Tgt Ion: 43 Resp: 4573

Ion Ratio Lower Upper

43 100

58 32.9 28.9 43.3





#25

2-Butanone

Concen: 0.210 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

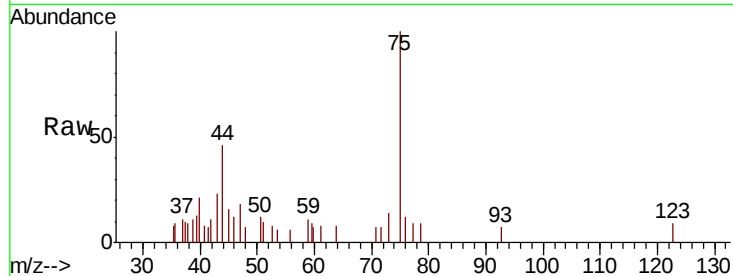
KY030LC001-SW-190709

Tot Ion: 43 Resp: 306

Ion Ratio Lower Upper

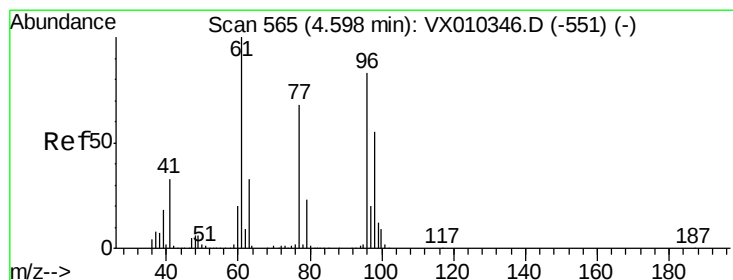
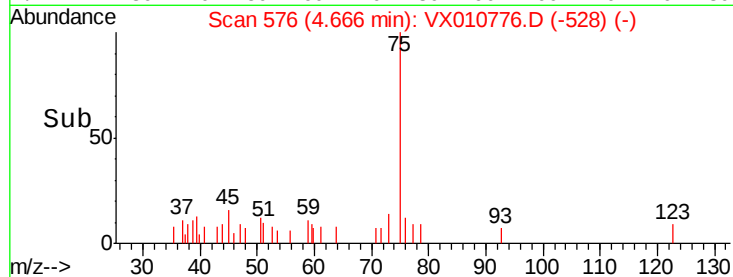
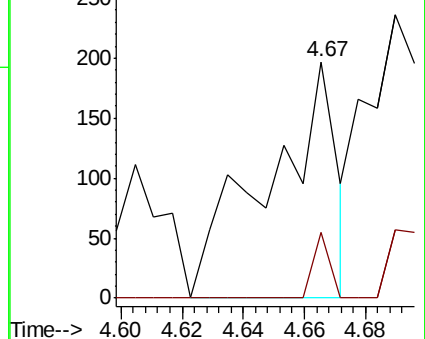
43 100

72 53.9 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.672 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

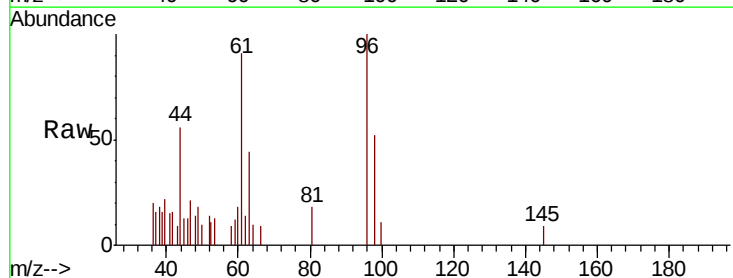
Tgt Ion: 96 Resp: 1529

Ion Ratio Lower Upper

96 100

61 107.3 0.0 251.8

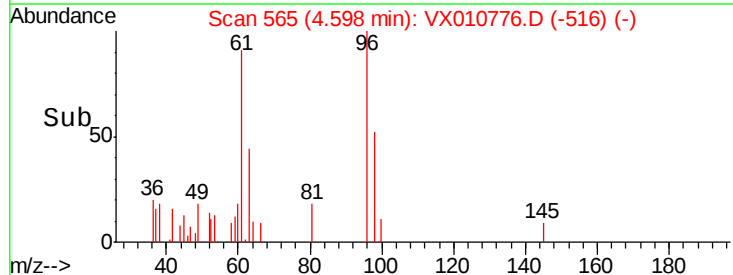
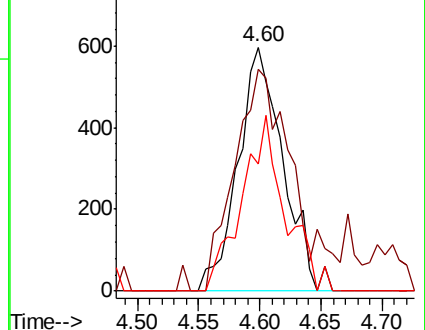
98 69.6 0.0 129.4

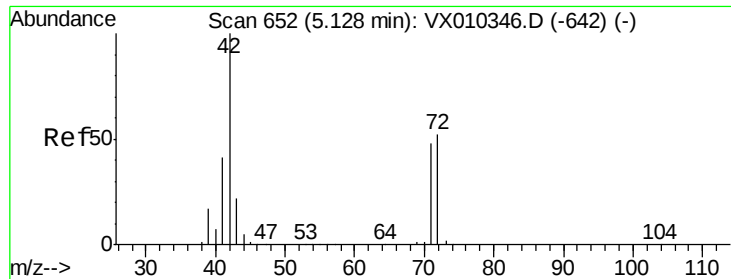


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

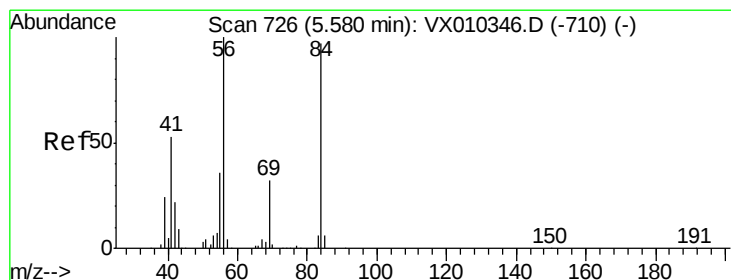
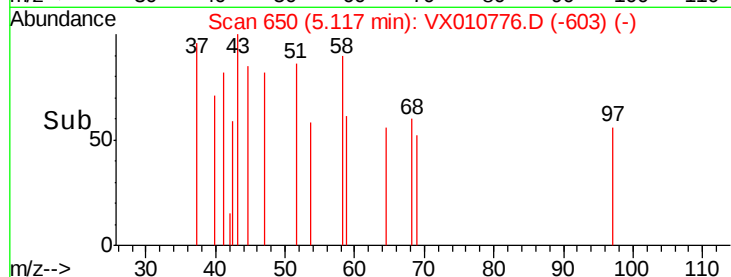
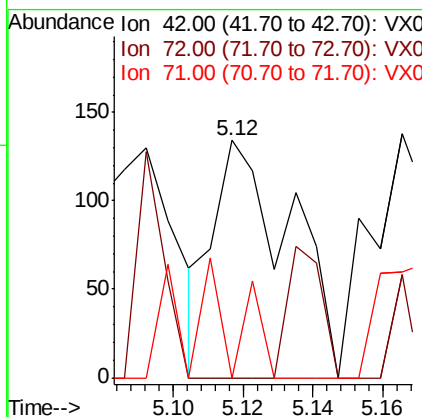
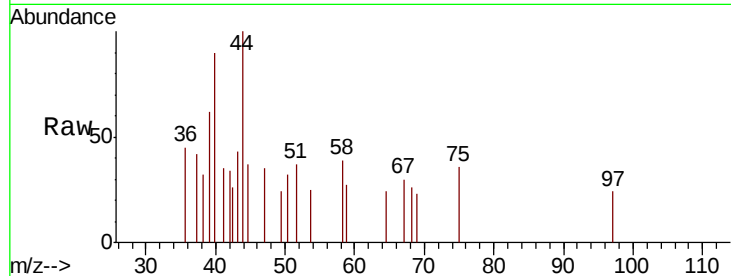




#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX010776.D
Acq: 10 Jul 2019 14:49

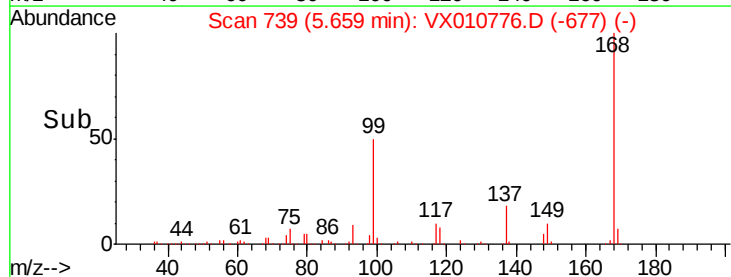
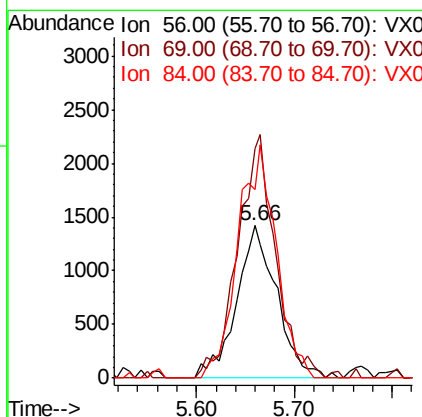
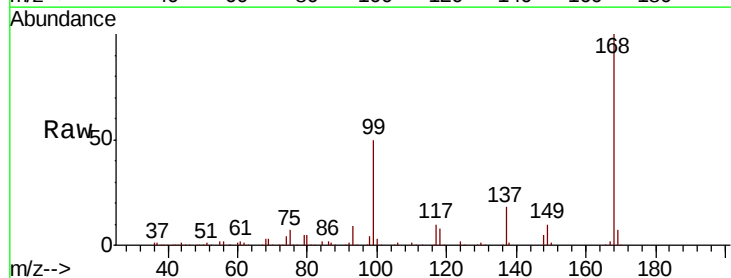
Instrument :
MSVOA_X
ClientSampleId :
KY030LC001-SW-190709

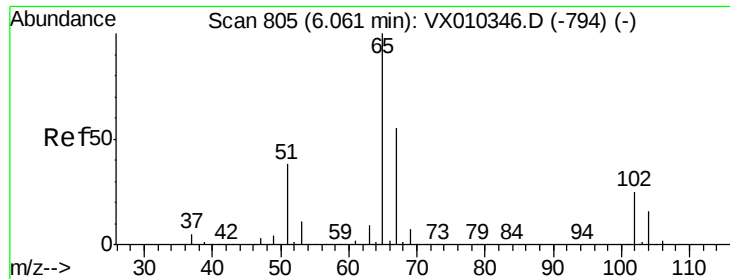
Tot Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 24.8 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010776.D
Acq: 10 Jul 2019 14:49

Tgt Ion: 56 Resp: 4066
Ion Ratio Lower Upper
56 100
69 150.8 25.9 38.9#
84 123.8 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 54.505 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

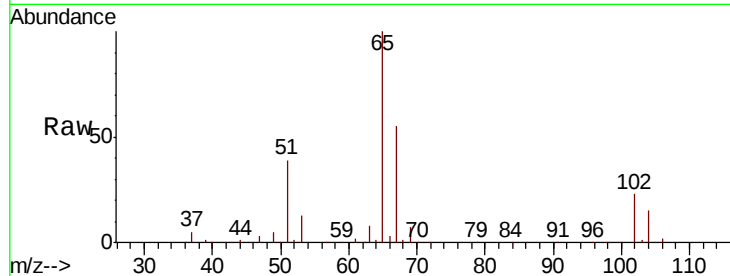
KY030LC001-SW-190709

Tot Ion: 65 Resp: 107871

Ion Ratio Lower Upper

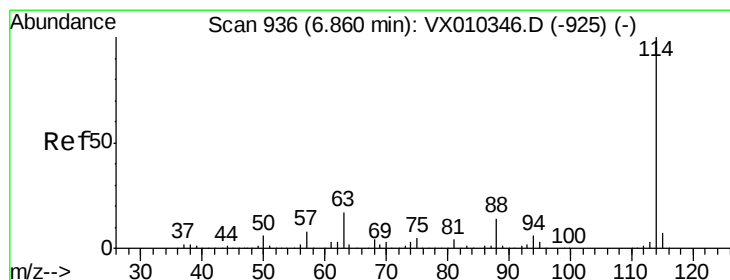
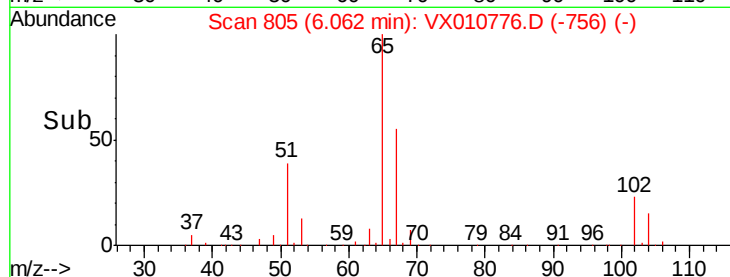
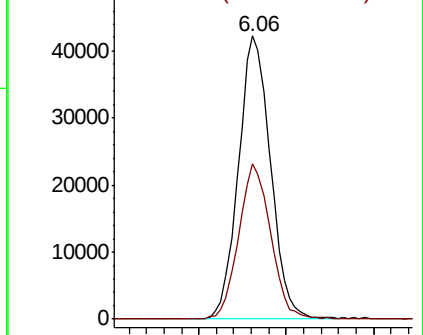
65 100

67 54.7 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: VX010776.D

Acq: 10 Jul 2019 14:49

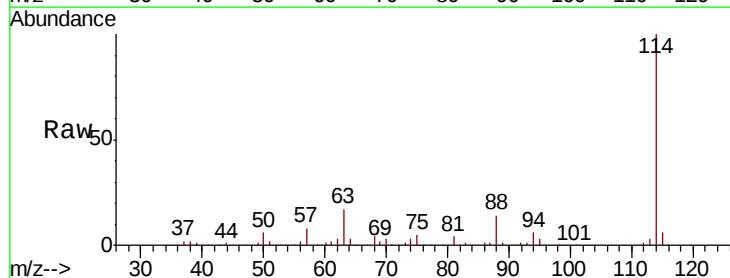
Tgt Ion: 114 Resp: 335206

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

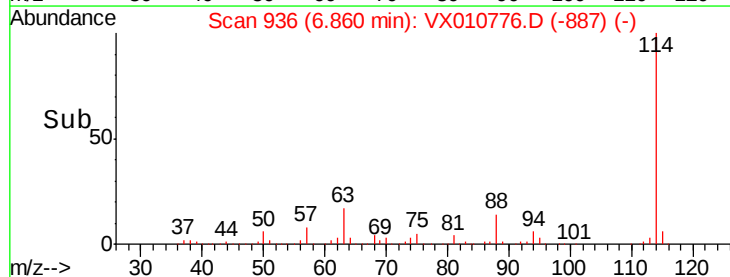
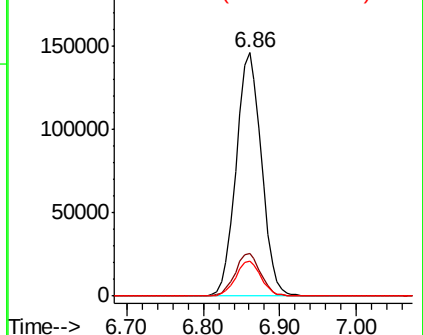
88 14.2 0.0 27.6

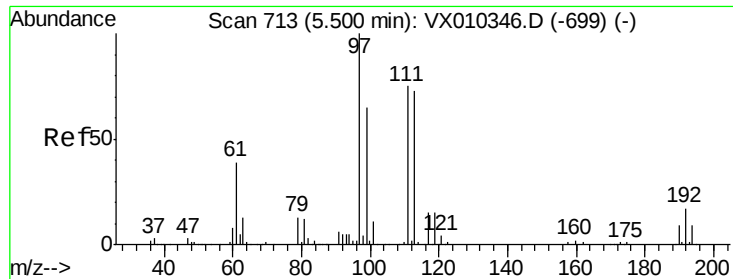


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.304 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

KY030LC001-SW-190709

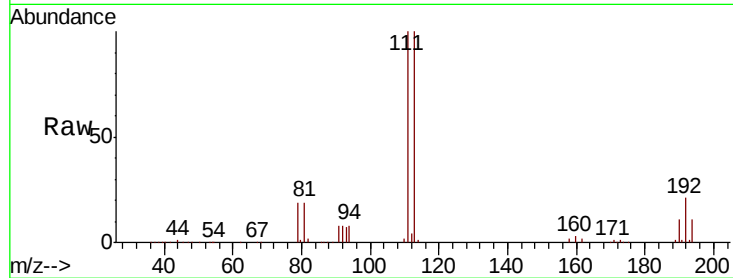
Tot Ion:113 Resp: 103170

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

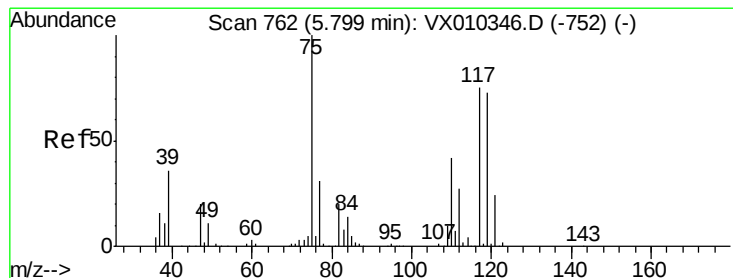
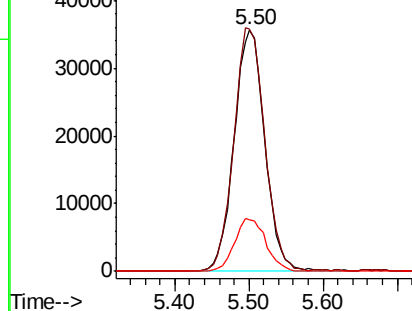
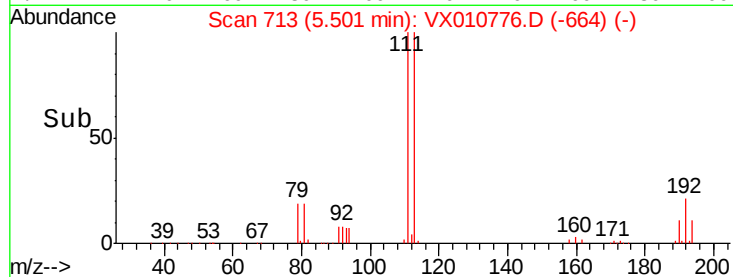
192 22.5 18.6 27.8



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: 5.189 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

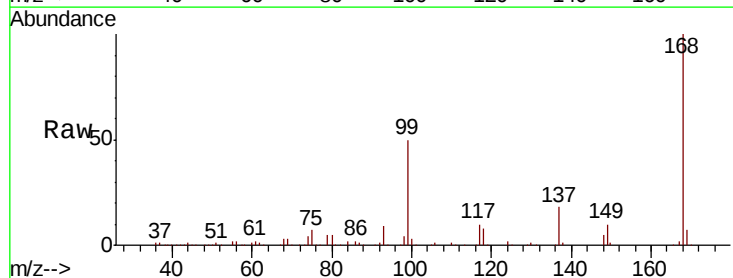
Tgt Ion: 75 Resp: 13822

Ion Ratio Lower Upper

75 100

110 10.2 20.8 62.2#

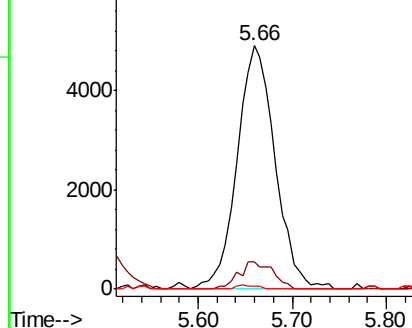
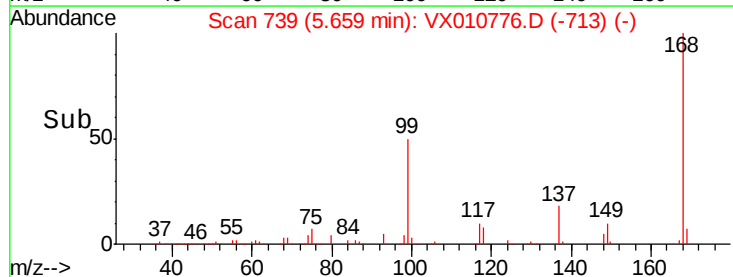
77 0.8 25.4 38.0#

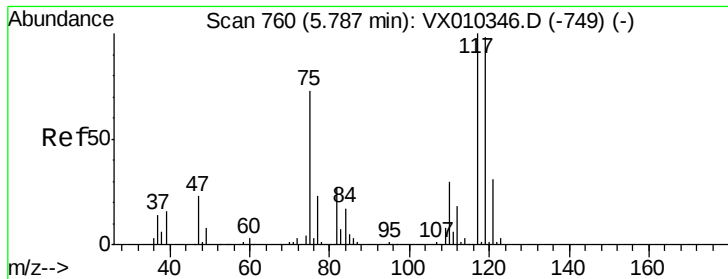


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

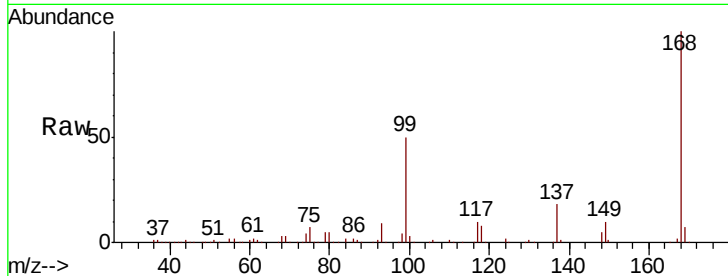




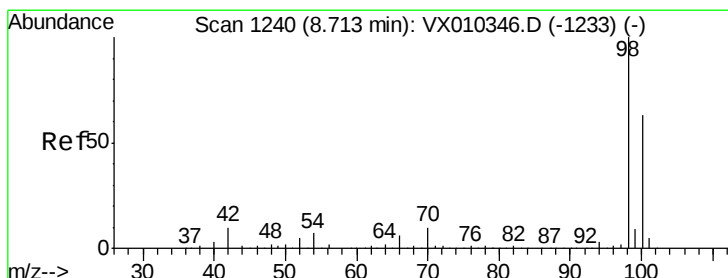
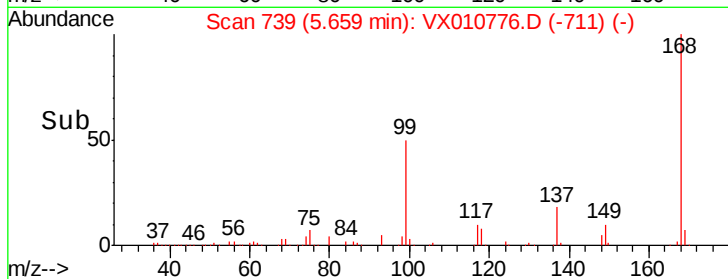
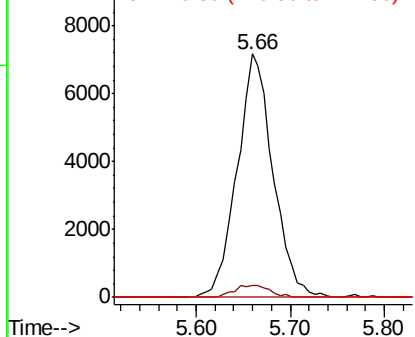
#38
Carbon Tetrachloride
Concen: 6.593 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010776.D
Acq: 10 Jul 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
KY030LC001-SW-190709

Tot Ion:117 Resp: 19018
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.4#
121 0.0 24.7 37.1#

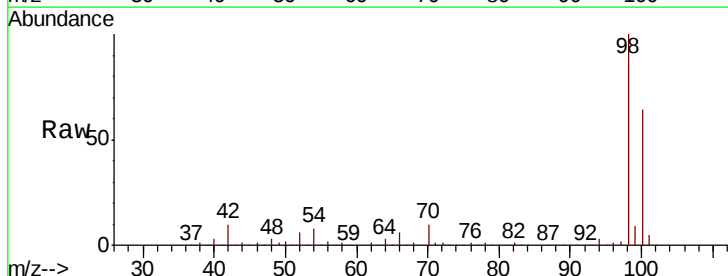


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

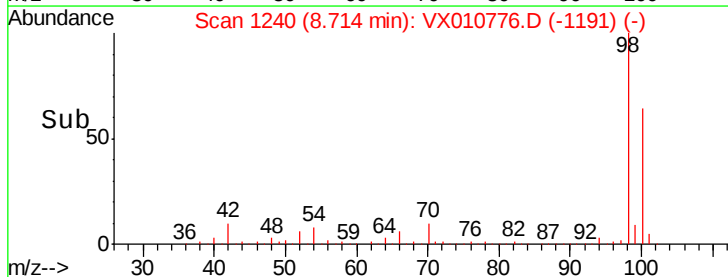
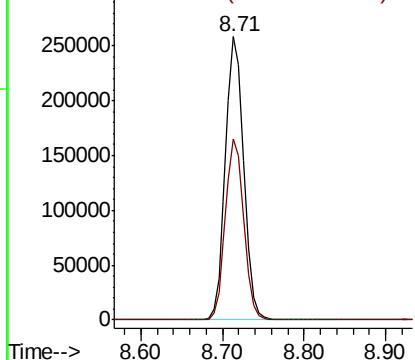


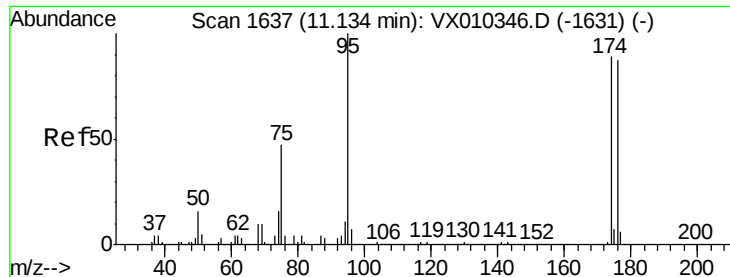
#50
Toluene-d8
Concen: 51.008 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010776.D
Acq: 10 Jul 2019 14:49

Tgt Ion: 98 Resp: 400225
Ion Ratio Lower Upper
98 100
100 64.3 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: 47.605 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

KY030LC001-SW-190709

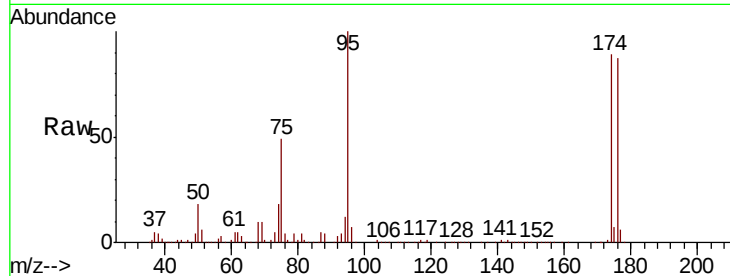
Tot Ion: 95 Resp: 134855

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.6

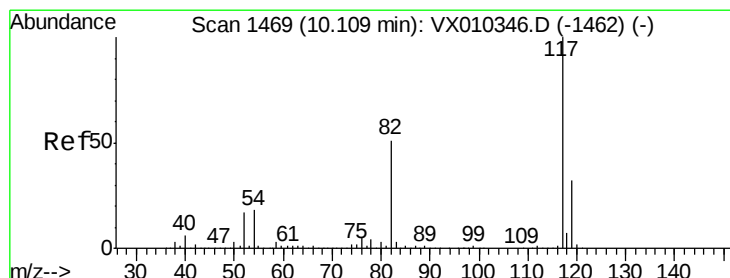
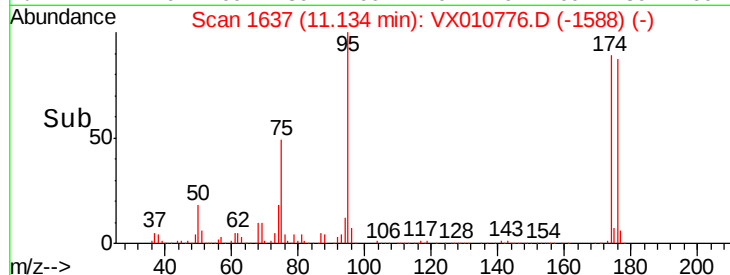
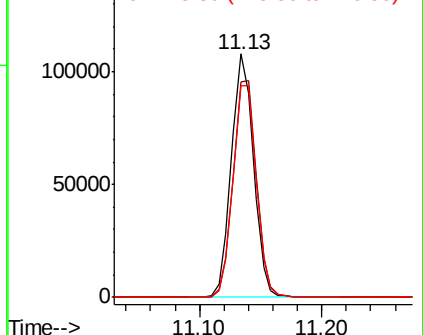
176 91.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010776.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010776.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010776.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

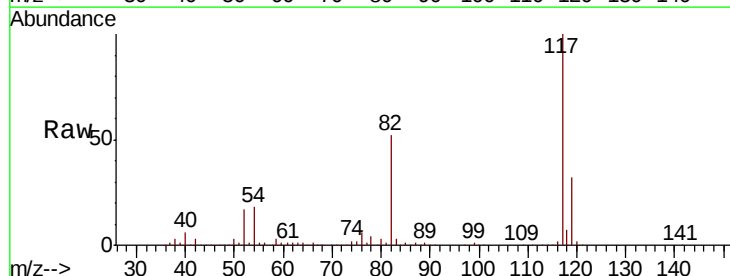
Tgt Ion: 117 Resp: 307923

Ion Ratio Lower Upper

117 100

82 51.8 41.2 61.8

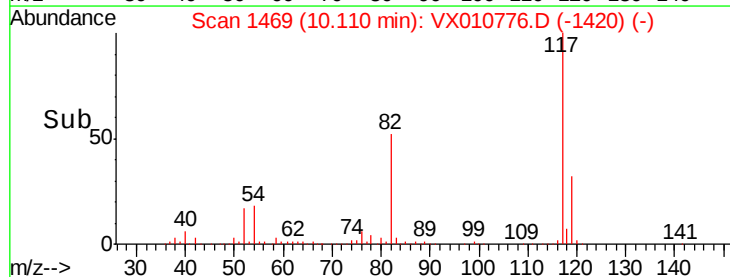
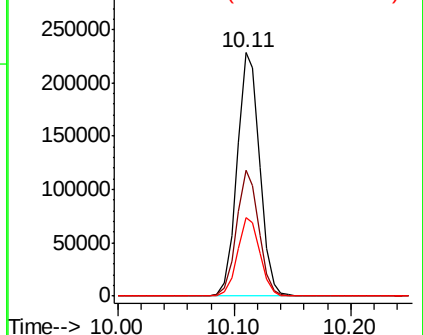
119 32.2 25.5 38.3

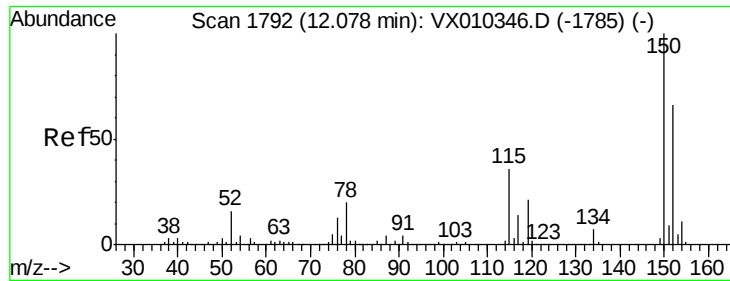


Abundance Ion 116.90 (116.60 to 117.60): VX010776.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010776.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010776.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: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

KY030LC001-SW-190709

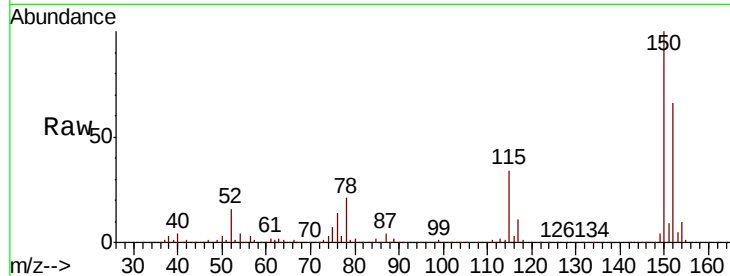
Tot Ion:152 Resp: 144301

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

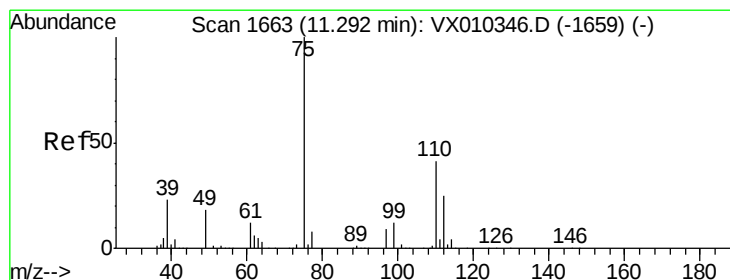
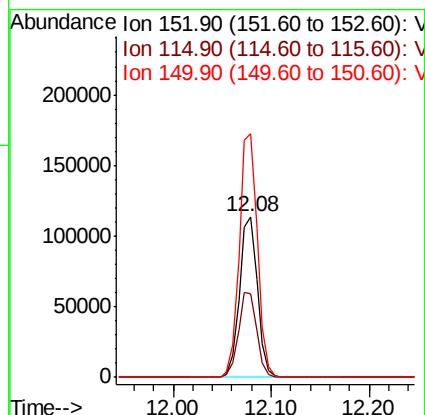
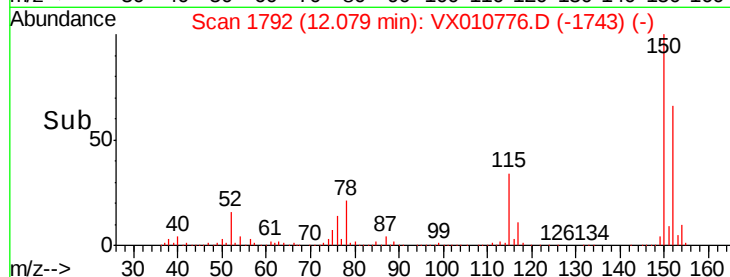
150 153.7 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.919 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010776.D

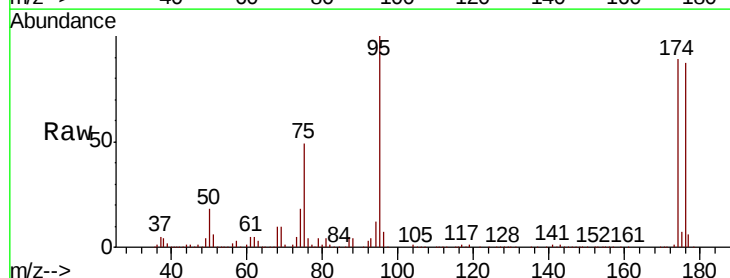
Acq: 10 Jul 2019 14:49

Tgt Ion: 75 Resp: 65526

Ion Ratio Lower Upper

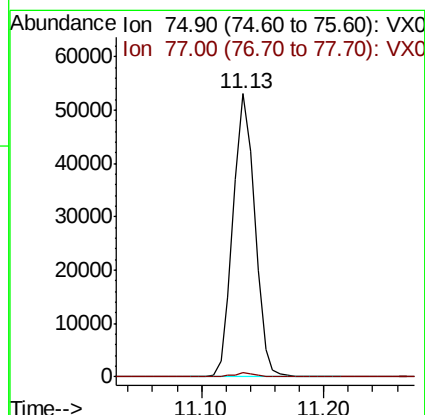
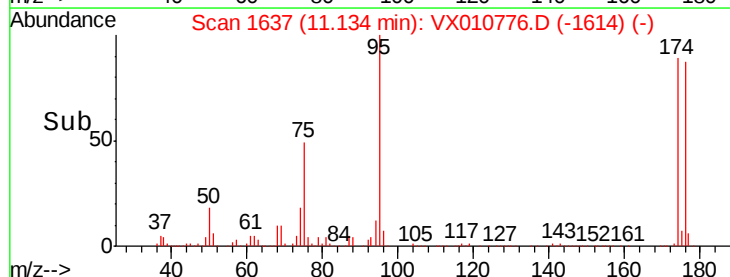
75 100

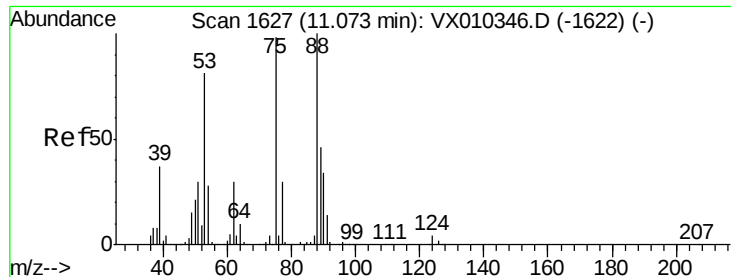
77 1.4 22.6 67.8#



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: 58.134 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010776.D

Acq: 10 Jul 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

KY030LC001-SW-190709

Tot Ion: 75 Resp: 65526

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

