

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010774.D
 Acq On : 10 Jul 2019 14:02
 Operator : JC/SP
 Sample : K3732-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709

Quant Time: Jul 11 01:14:26 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	210130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142847	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	106382	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
35) Dibromofluoromethane	5.50	113	101405	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.71	98	397071	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.13	95	133007	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

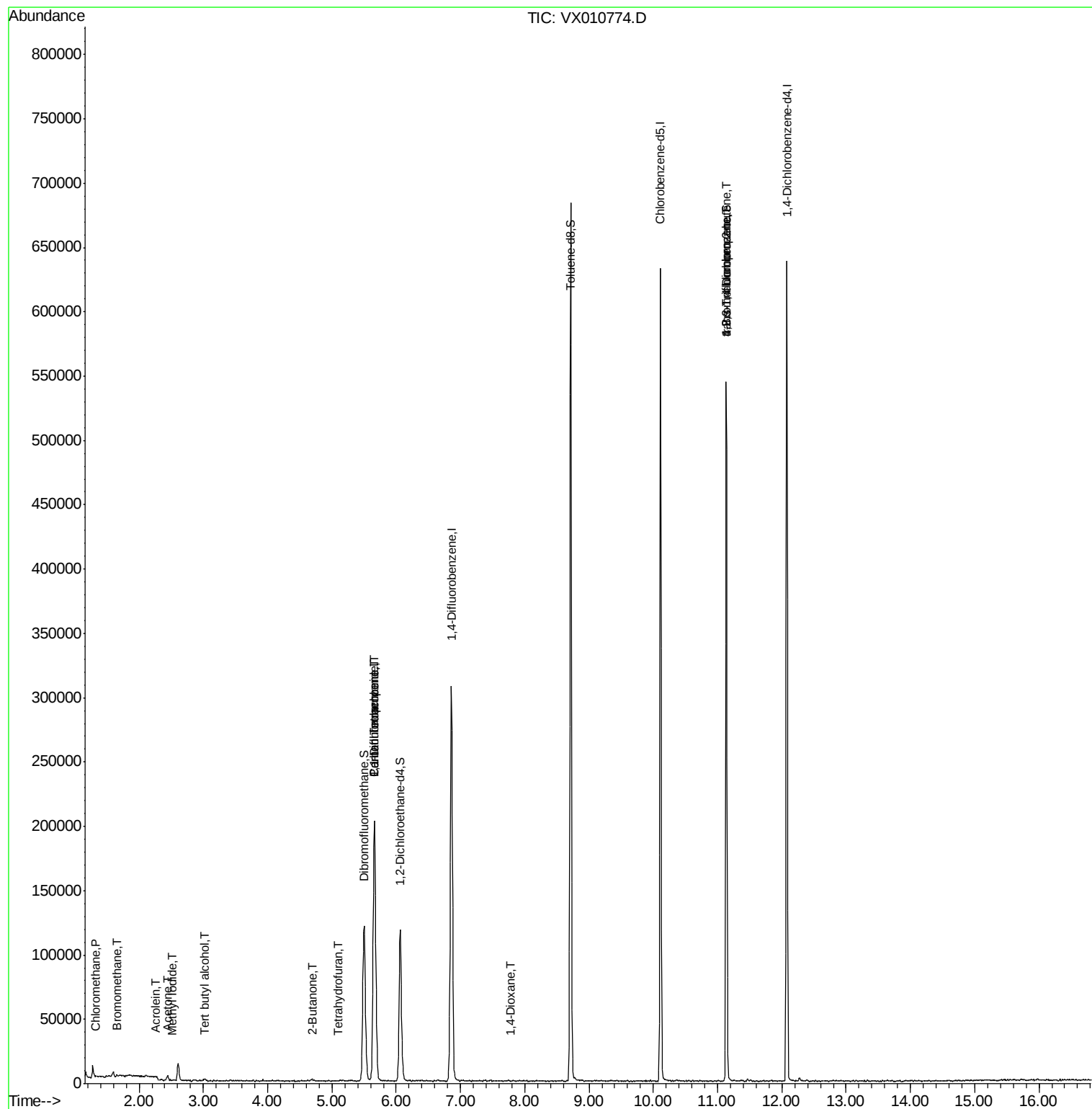
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	850	0.500	ug/l #	84
5) Bromomethane	1.65	94	629	0.693	ug/l #	48
10) Methyl Iodide	2.52	142	532	0.208	ug/l #	52
11) Tert butyl alcohol	3.01	59	906	1.757	ug/l #	94
13) Acrolein	2.26	56	229	0.670	ug/l #	39
16) Acetone	2.45	43	3988	4.039	ug/l	90
25) 2-Butanone	4.69	43	437	0.302	ug/l #	46
29) Tetrahydrofuran	5.10	42	311	0.347	ug/l #	33
36) 1,1-Dichloropropene	5.66	75	13788	5.243	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19219	6.749	ug/l #	16
49) 1,4-Dioxane	7.77	88	19	0.317	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64997	24.970	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64997	58.251	ug/l #	16

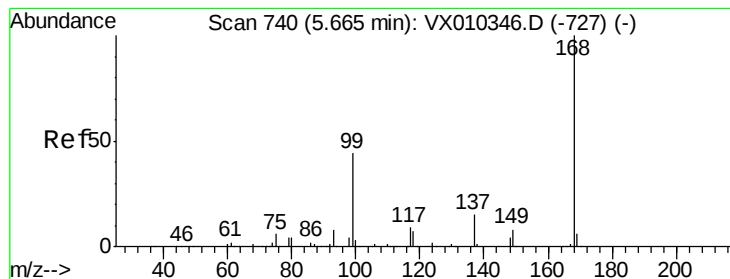
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

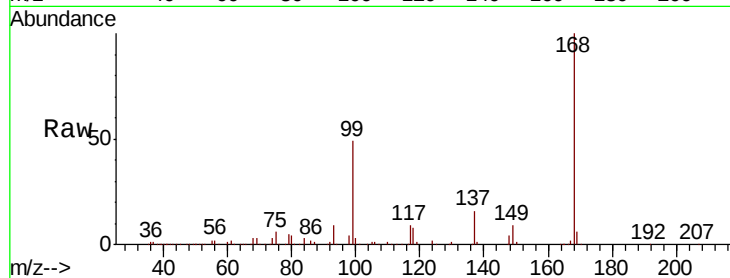
KY030LC068-SW-190709

Tot Ion:168 Resp: 210130

Ion Ratio Lower Upper

168 100

99 48.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

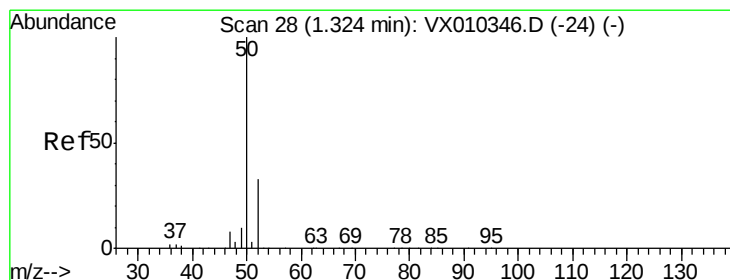
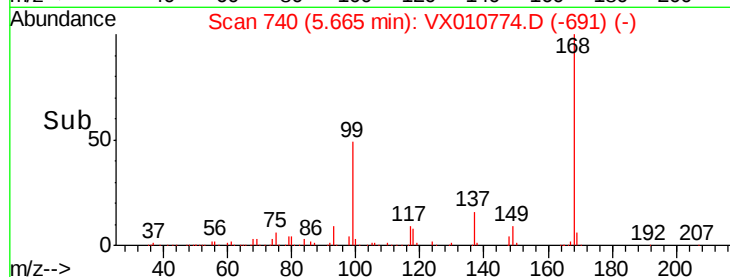
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 0.500 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010774.D

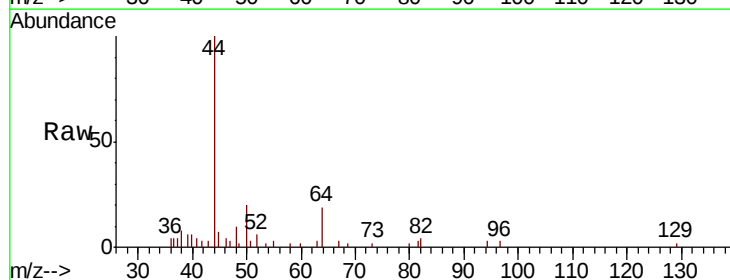
Acq: 10 Jul 2019 14:02

Tgt Ion: 50 Resp: 850

Ion Ratio Lower Upper

50 100

52 24.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

200

100

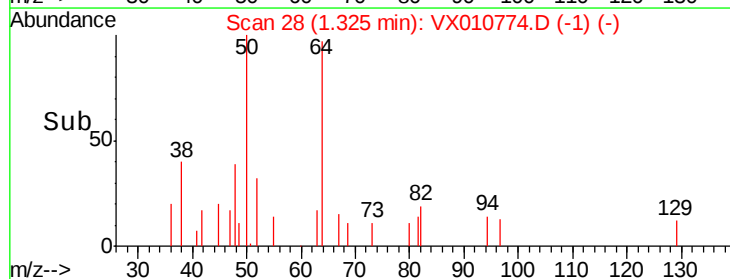
0

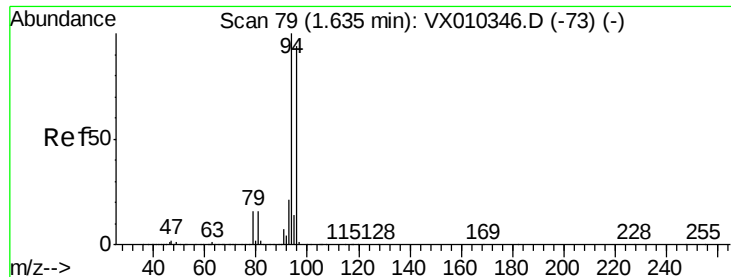
Time-->

1.30

1.35

1.40





#5

Bromomethane

Concen: 0.693 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

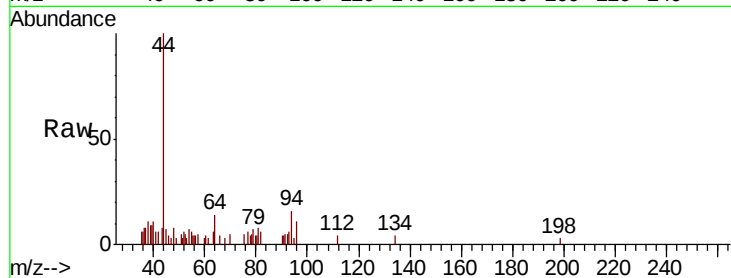
KY030LC068-SW-190709

Tot Ion: 94 Resp: 629

Ion Ratio Lower Upper

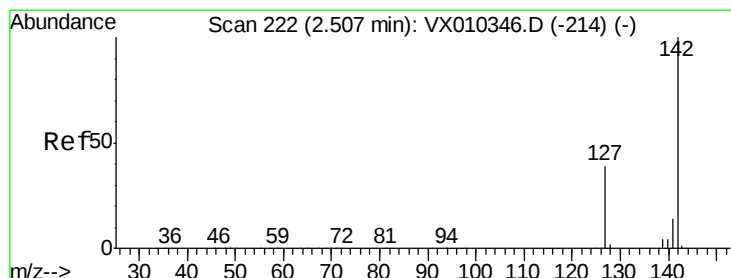
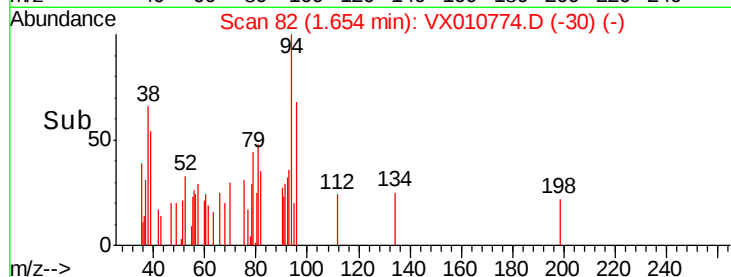
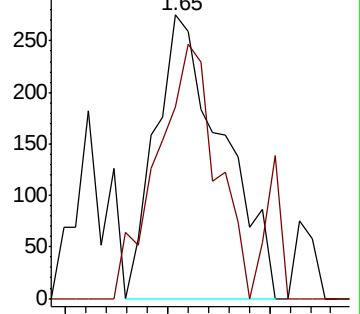
94 100

96 44.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.208 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

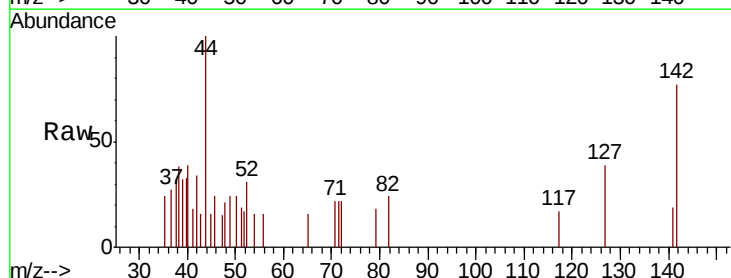
Tgt Ion: 142 Resp: 532

Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

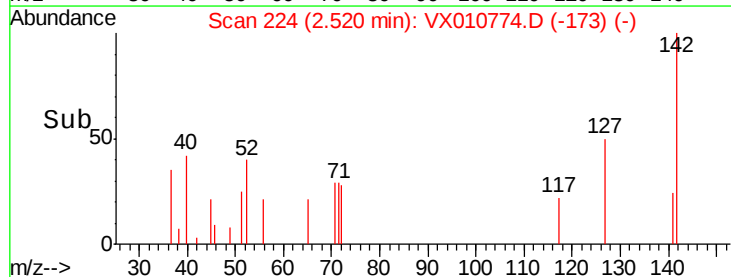
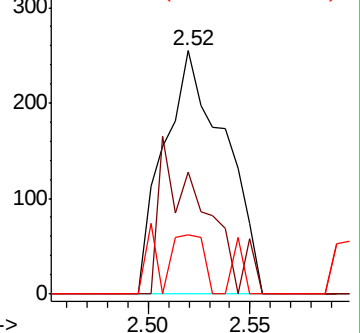
141 12.4 11.2 16.8

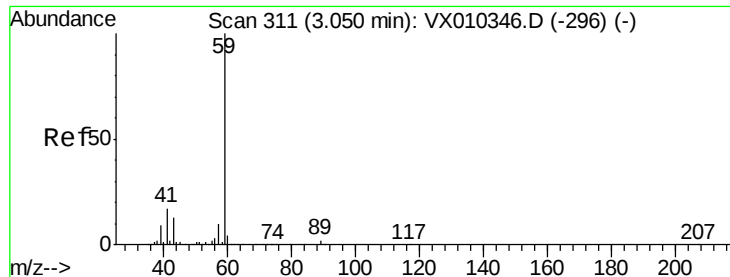


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



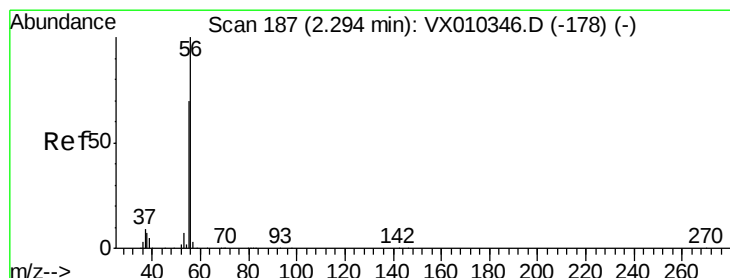
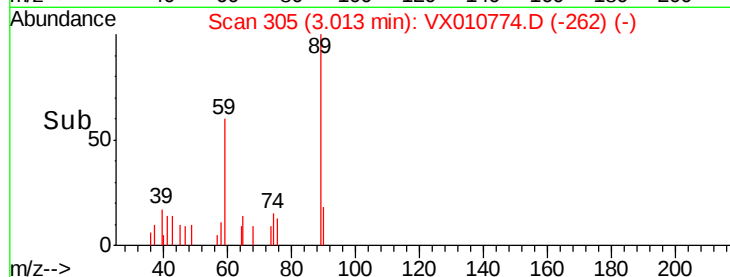
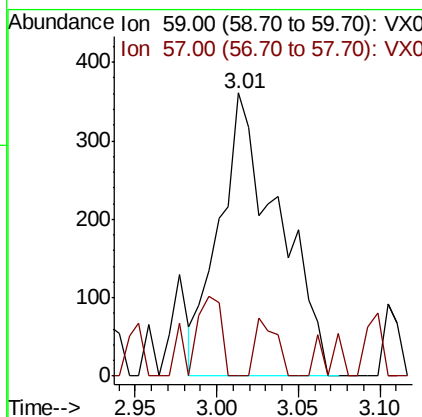
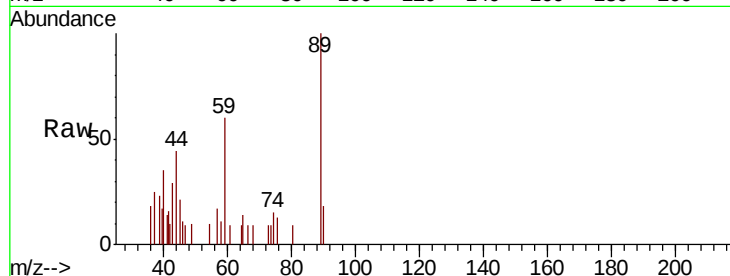


#11

Tert butyl alcohol
 Concen: 1.757 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010774.D
 Acq: 10 Jul 2019 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709

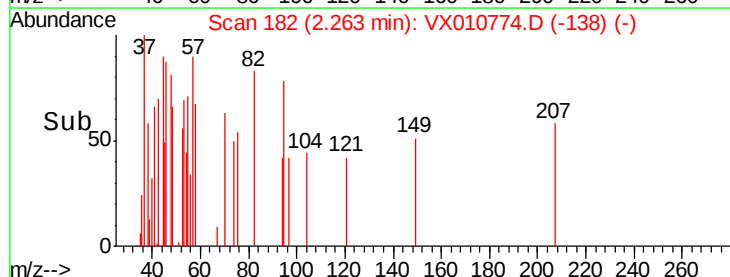
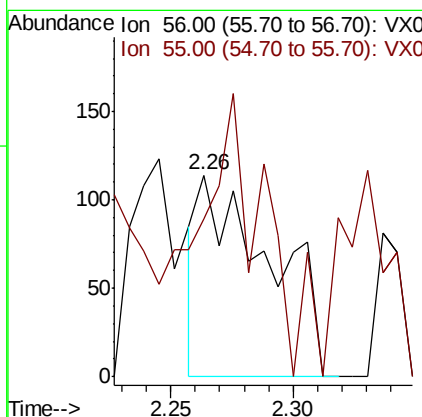
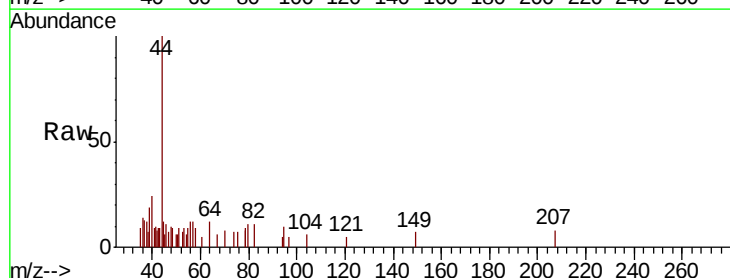
Tot Ion: 59 Resp: 906
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.7 11.5#

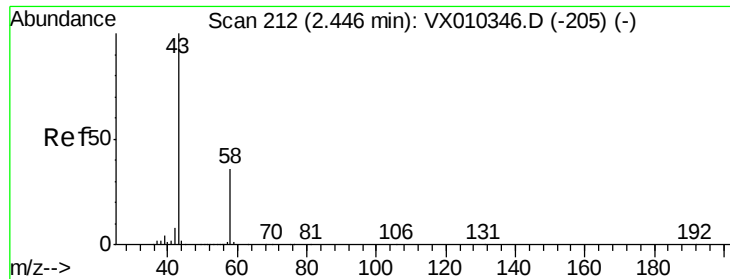


#13

Acrolein
 Concen: 0.670 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX010774.D
 Acq: 10 Jul 2019 14:02

Tgt Ion: 56 Resp: 229
 Ion Ratio Lower Upper
 56 100
 55 121.4 56.9 85.3#





#16

Acetone

Concen: 4.039 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

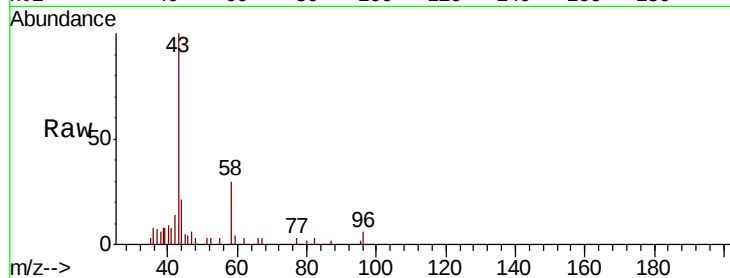
KY030LC068-SW-190709

Tot Ion: 43 Resp: 3988

Ion Ratio Lower Upper

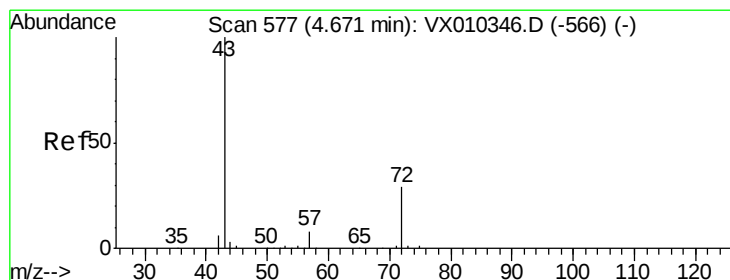
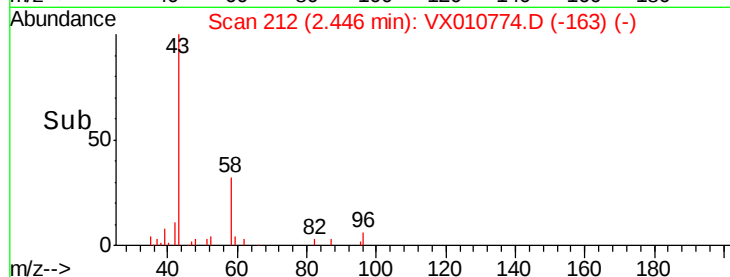
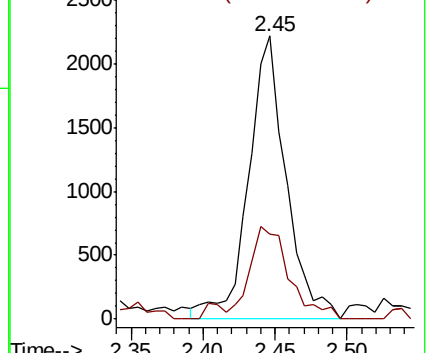
43 100

58 30.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.302 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010774.D

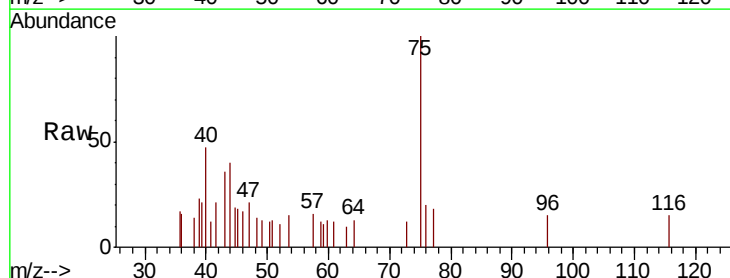
Acq: 10 Jul 2019 14:02

Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

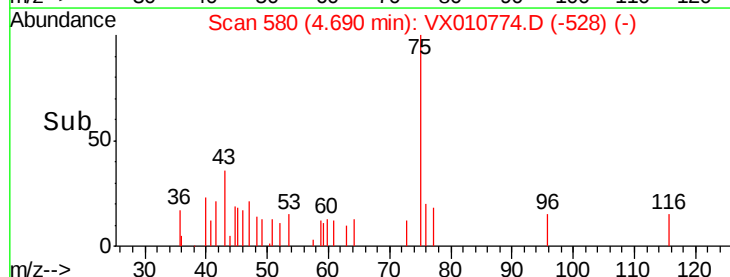
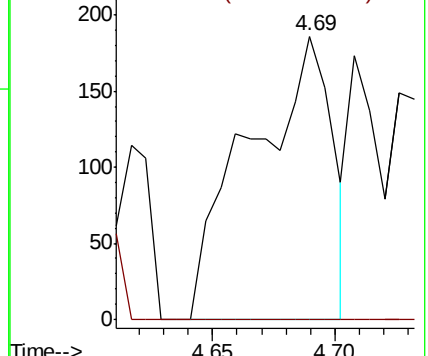
43 100

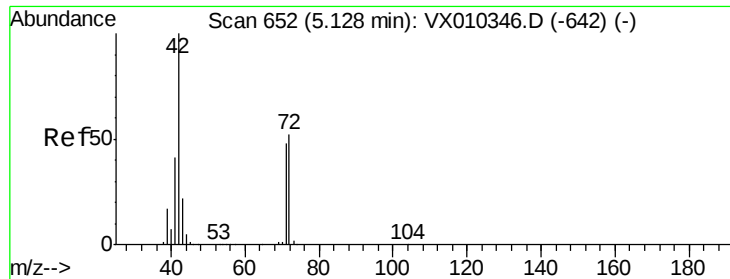
72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.347 ug/l

RT: 5.10 min Scan# 648

Delta R.T. -0.02 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709

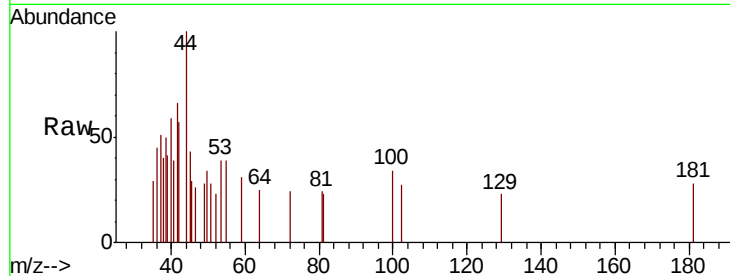
Tot Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

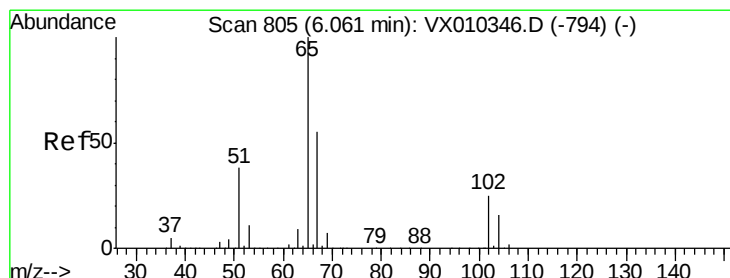
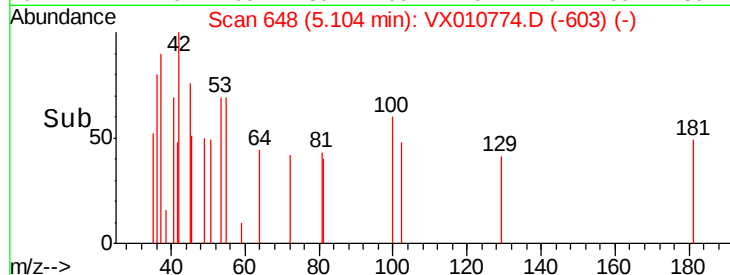
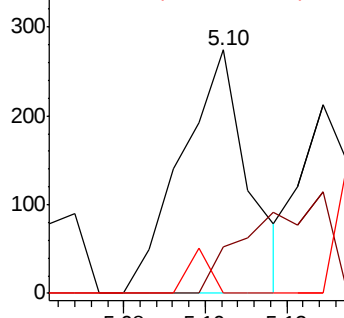
71 6.1 37.8 56.8#



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: 53.996 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010774.D

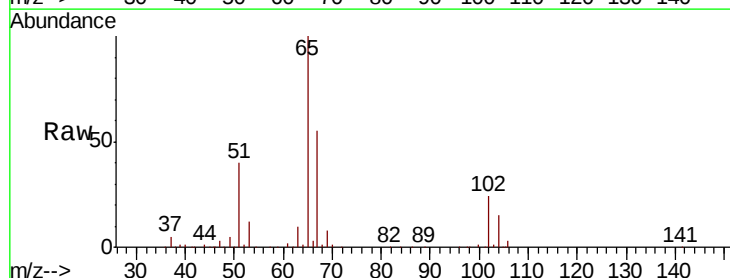
Acq: 10 Jul 2019 14:02

Tgt Ion: 65 Resp: 106382

Ion Ratio Lower Upper

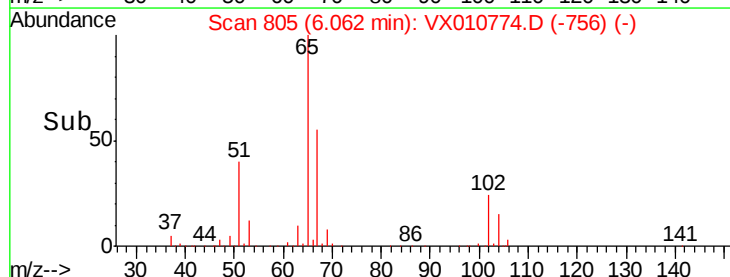
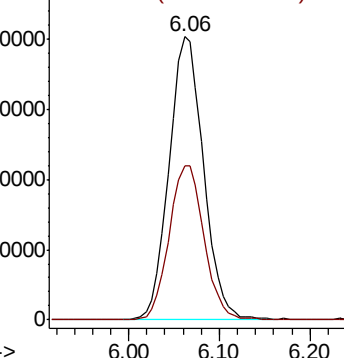
65 100

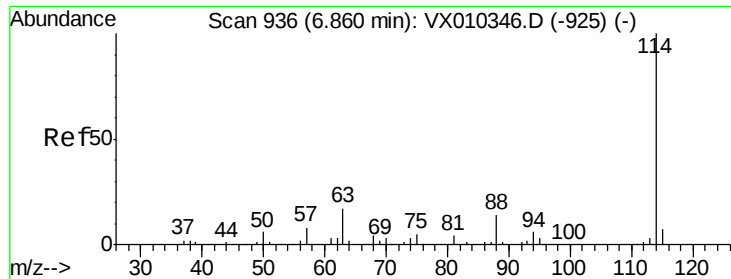
67 55.3 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

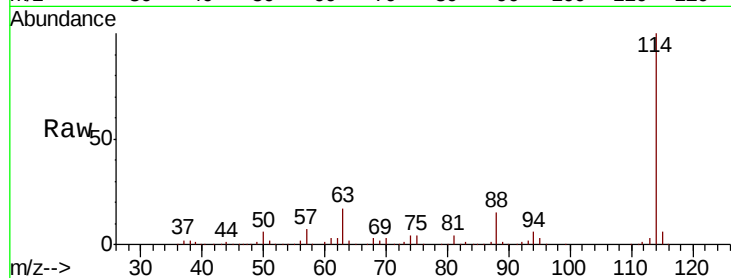




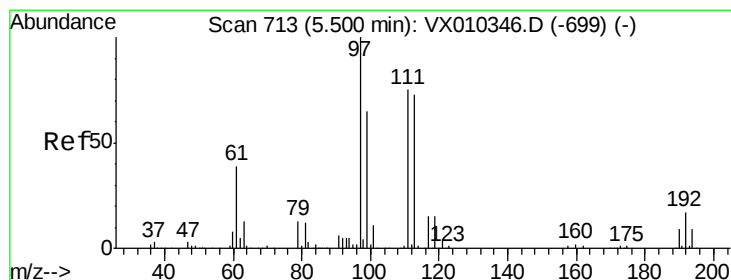
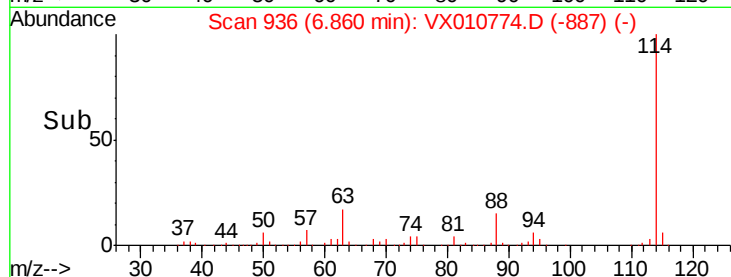
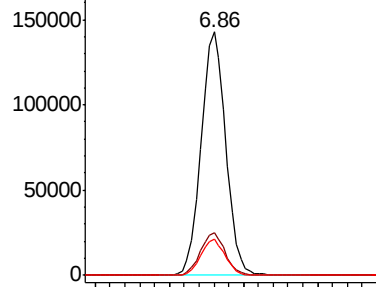
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010774.D
Acq: 10 Jul 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709

Tot Ion:114 Resp: 330924
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.8 0.0 27.6

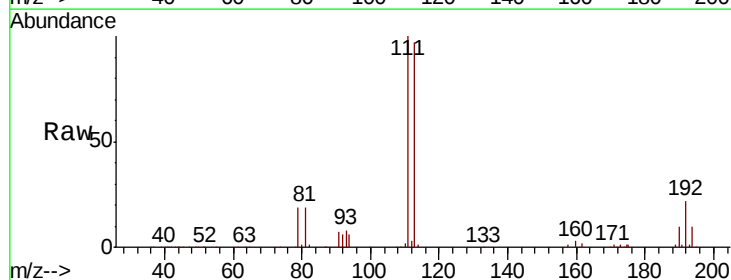


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

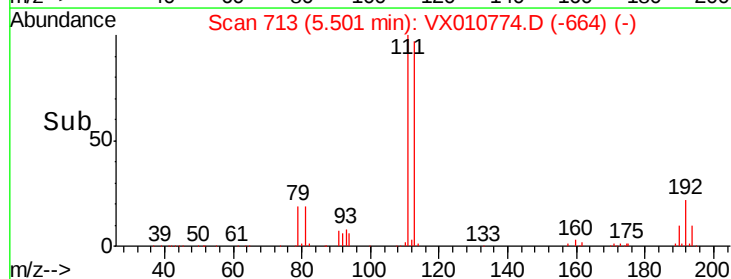
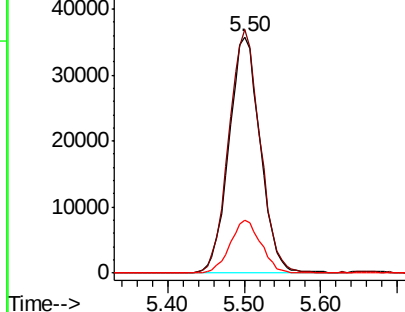


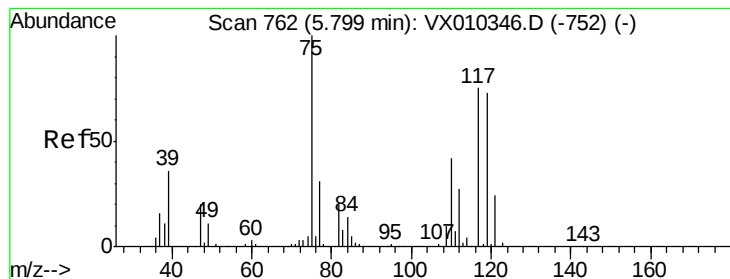
#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010774.D
Acq: 10 Jul 2019 14:02

Tgt Ion:113 Resp: 101405
Ion Ratio Lower Upper
113 100
111 102.9 81.2 121.8
192 22.1 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.243 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709

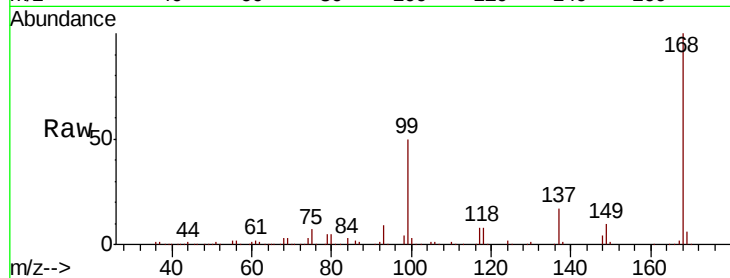
Tot Ion: 75 Resp: 13788

Ion Ratio Lower Upper

75 100

110 11.9 20.8 62.2#

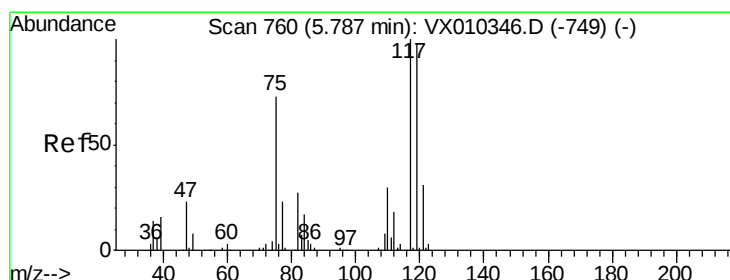
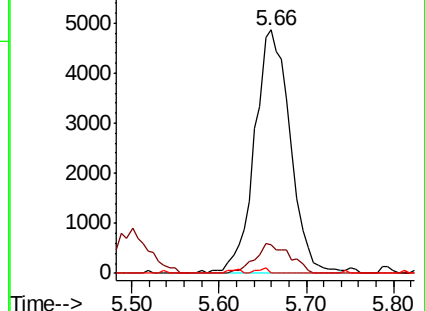
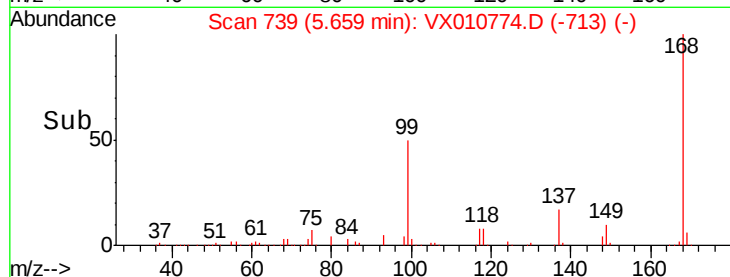
77 0.6 25.4 38.0#



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: 6.749 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

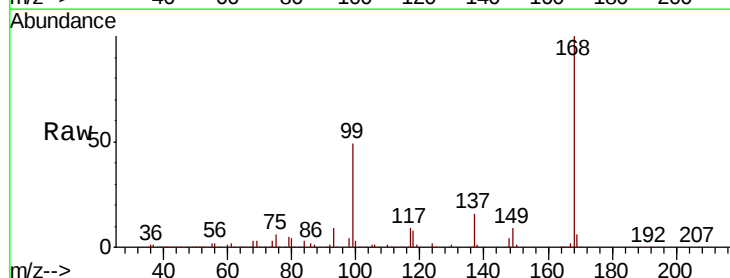
Tgt Ion: 117 Resp: 19219

Ion Ratio Lower Upper

117 100

119 6.1 78.2 117.4#

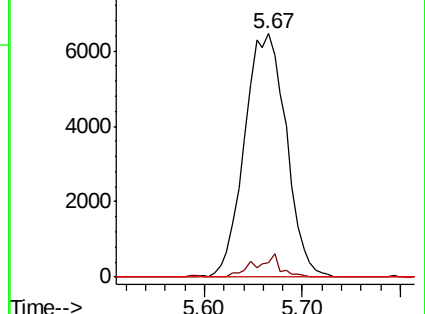
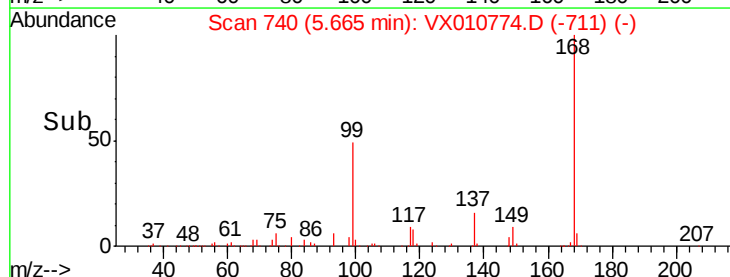
121 0.0 24.7 37.1#

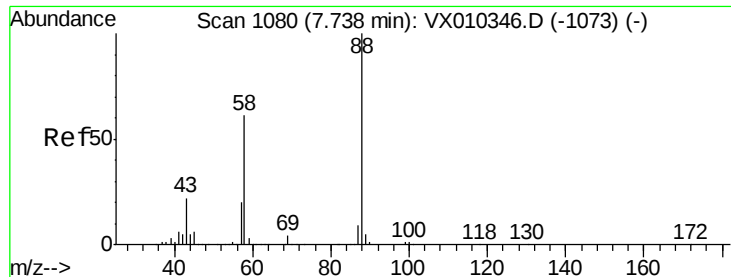


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

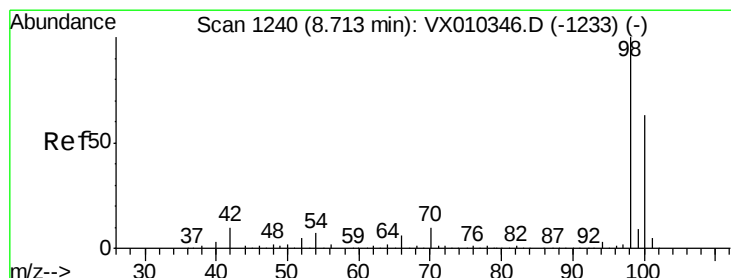
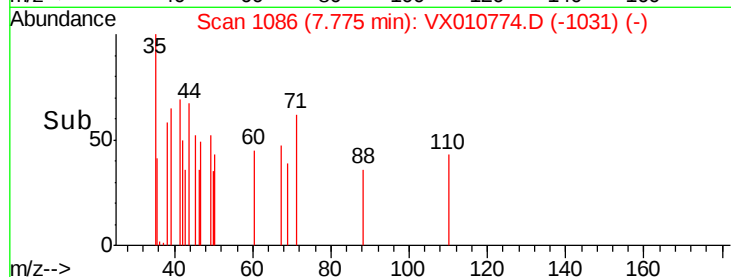
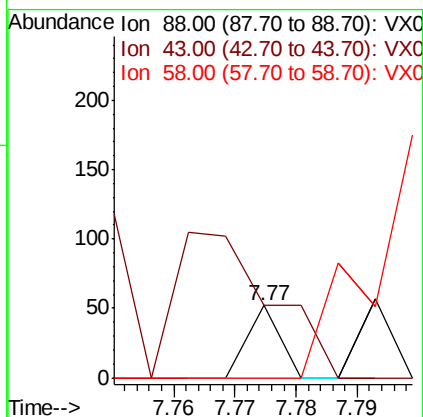
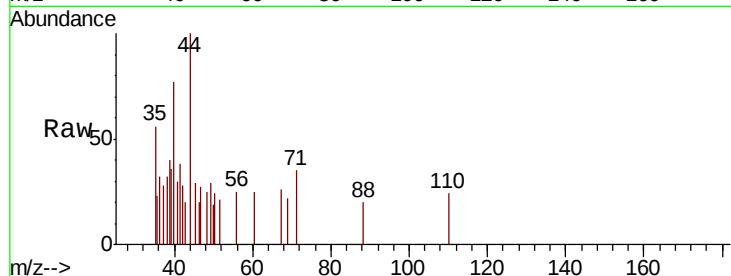




#49
1,4-Dioxane
Concen: 0.317 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX010774.D
Acq: 10 Jul 2019 14:02

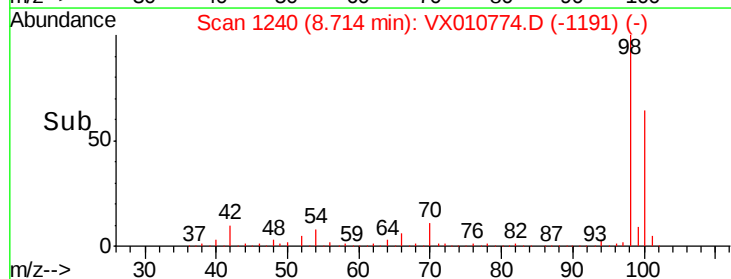
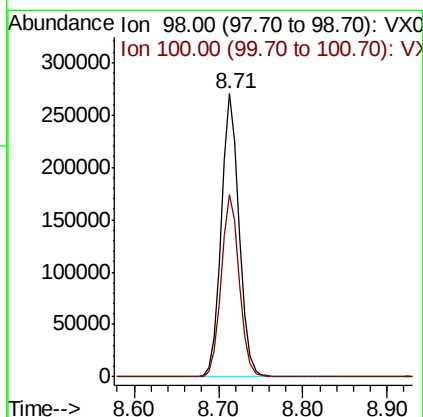
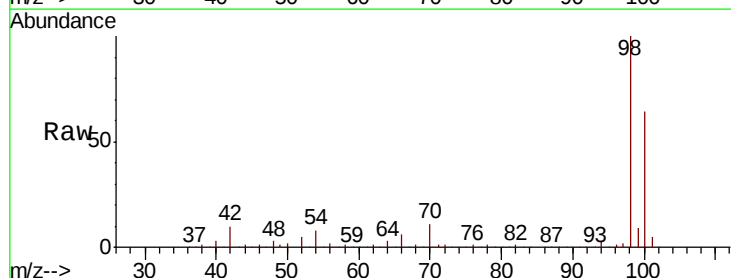
Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709

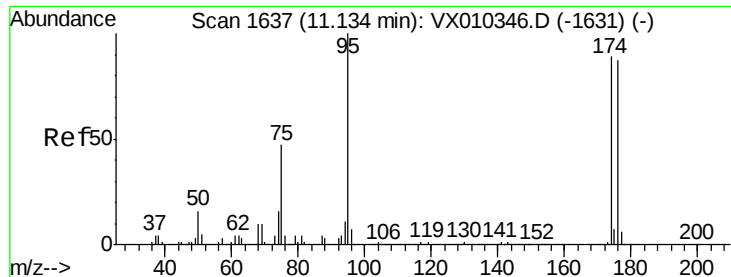
Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 600.0 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 51.260 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010774.D
Acq: 10 Jul 2019 14:02

Tgt Ion: 98 Resp: 397071
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 47.561 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709

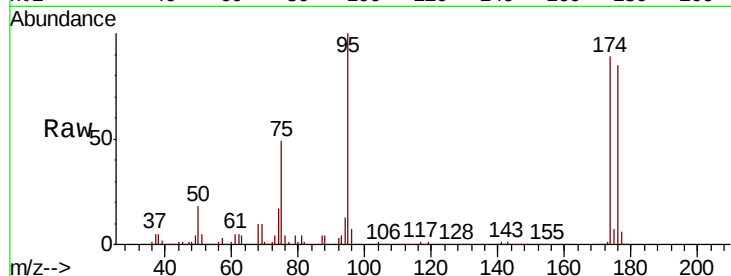
Tot Ion: 95 Resp: 133007

Ion Ratio Lower Upper

95 100

174 93.8 0.0 187.6

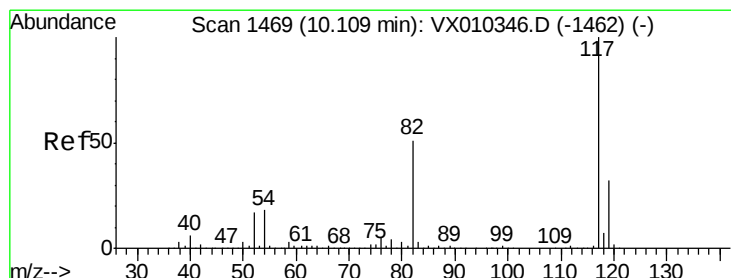
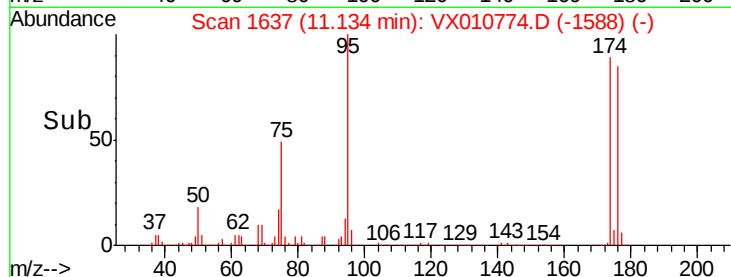
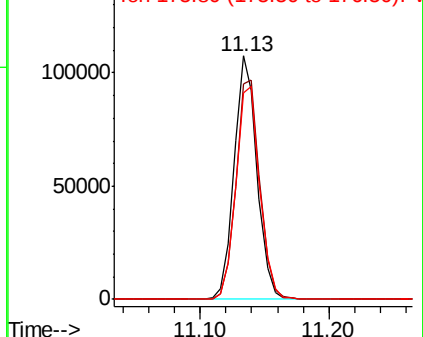
176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010774.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010774.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010774.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

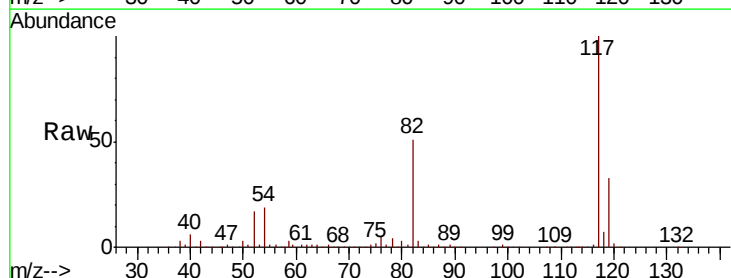
Tgt Ion: 117 Resp: 304631

Ion Ratio Lower Upper

117 100

82 50.8 41.2 61.8

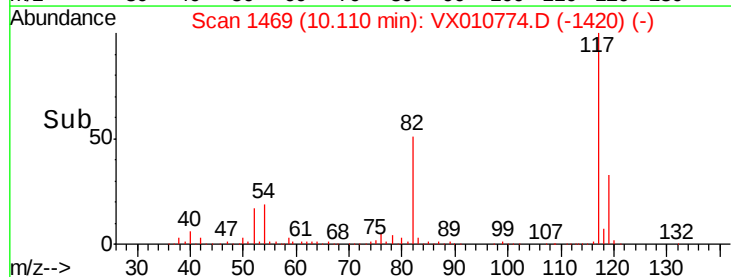
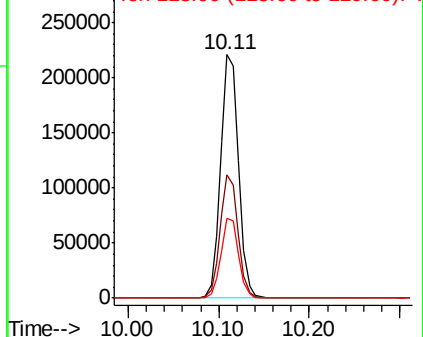
119 32.6 25.5 38.3

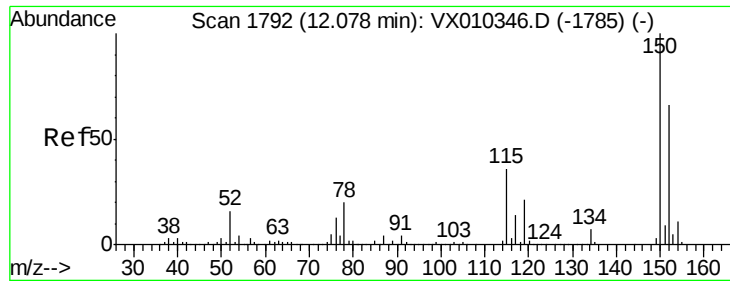


Abundance Ion 116.90 (116.60 to 117.60): VX010774.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010774.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010774.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: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709

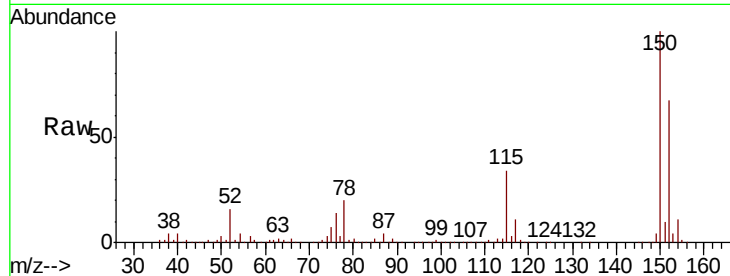
Tot Ion:152 Resp: 142847

Ion Ratio Lower Upper

152 100

115 54.5 38.6 115.7

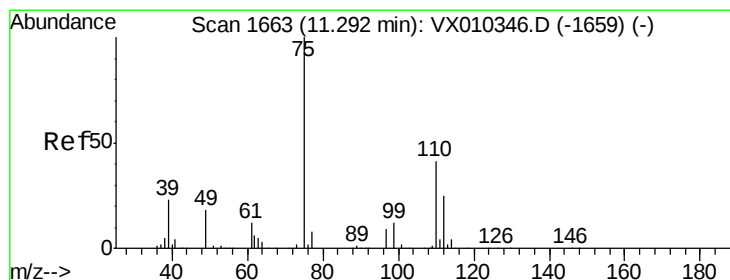
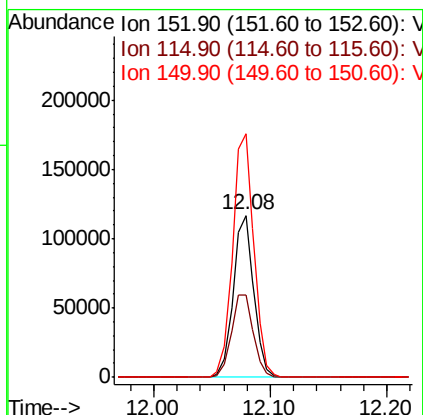
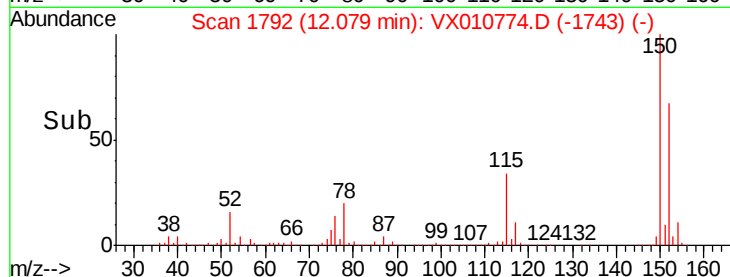
150 155.6 0.0 347.4



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: 24.970 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010774.D

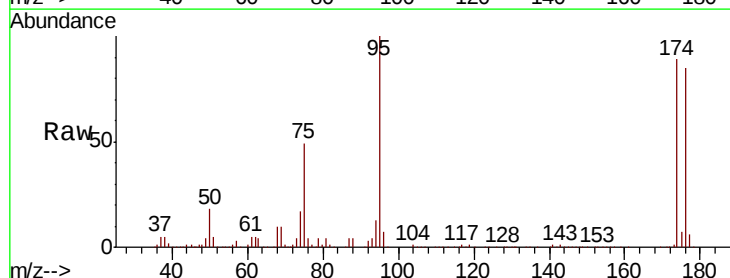
Acq: 10 Jul 2019 14:02

Tgt Ion: 75 Resp: 64997

Ion Ratio Lower Upper

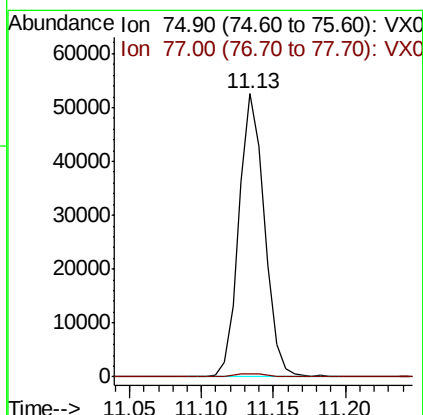
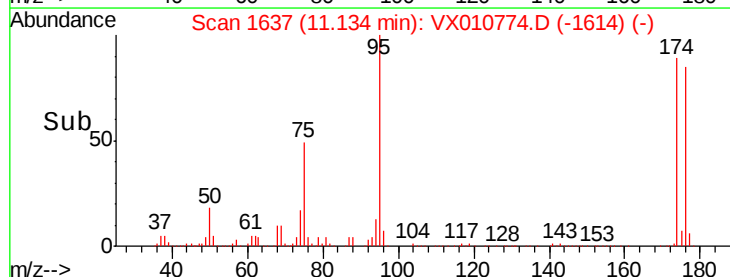
75 100

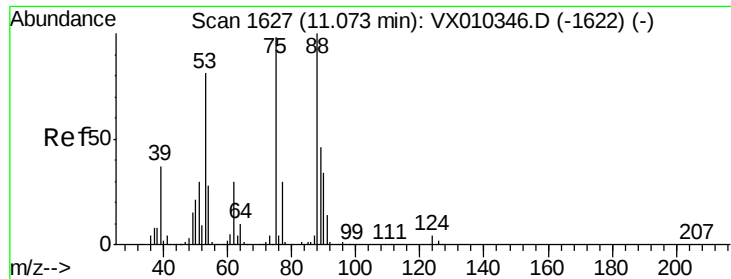
77 1.4 22.6 67.8#



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: 58.251 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010774.D

Acq: 10 Jul 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709

Tot Ion: 75 Resp: 64997

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

