

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004561.D
 Acq On : 15 Sep 2018 04:03
 Operator : JC/MD
 Sample : J4924-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-W-180913

Quant Time: Sep 15 06:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170454	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	169003	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	5.50	113	152973	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	503922	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.14	95	161737	42.85	ug/l	0.00
Spiked Amount			Recovery	=	85.70%	

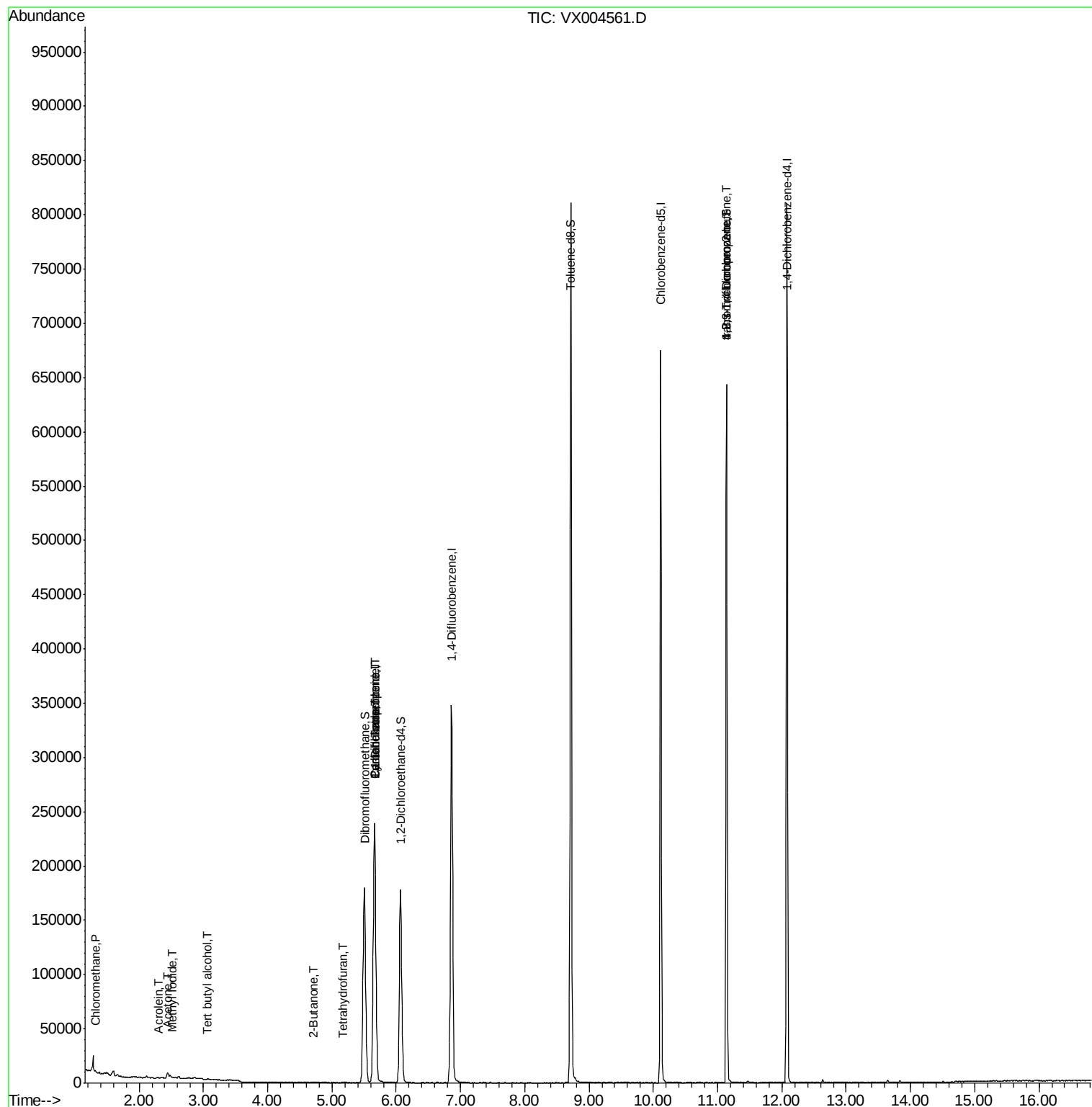
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	746	0.23	ug/l	92
5) Bromomethane	1.65	94	1081	Below Cal		99
10) Methyl Iodide	2.51	142	795	4.47	ug/l #	88
11) Tert butyl alcohol	3.06	59	242	0.31	ug/l #	72
13) Acrolein	2.30	56	199	0.65	ug/l #	16
16) Acetone	2.45	43	5720	3.62	ug/l	96
25) 2-Butanone	4.71	43	609	0.24	ug/l #	47
29) Tetrahydrofuran	5.17	42	481	0.32	ug/l #	40
31) Cyclohexane	5.67	56	4165	0.89	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16347	3.91	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21969	5.38	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	76826	22.40	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	76826	71.41	ug/l #	10

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

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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

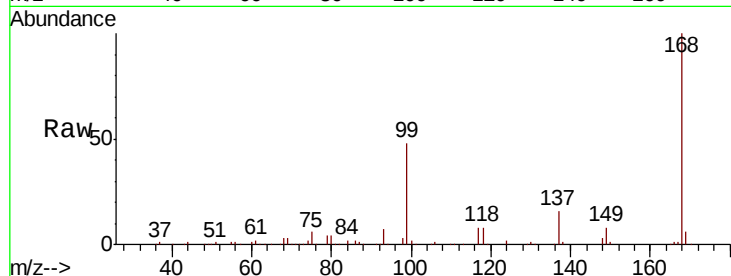
KY030LC018-W-180913

Tot Ion:168 Resp: 251182

Ion Ratio Lower Upper

168 100

99 48.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

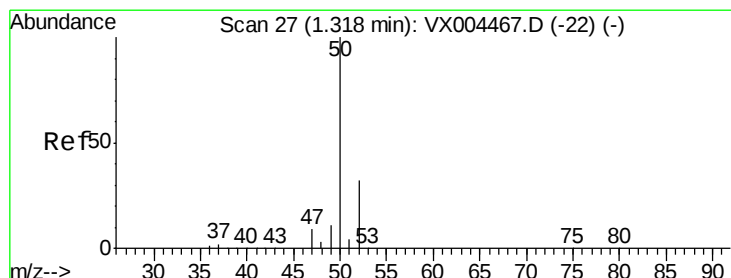
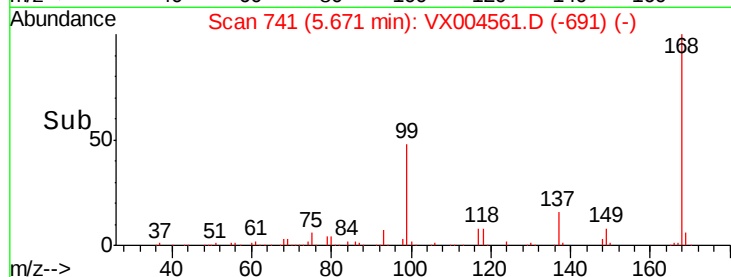
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004561.D

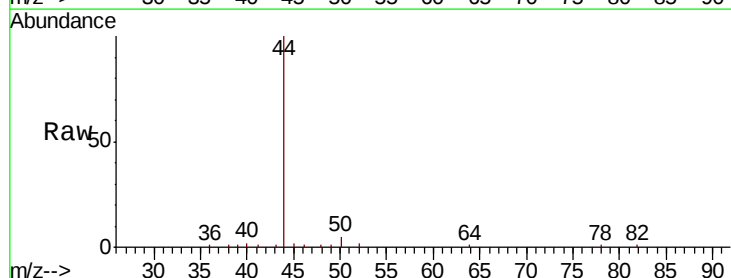
Acq: 15 Sep 2018 04:03

Tgt Ion: 50 Resp: 746

Ion Ratio Lower Upper

50 100

52 36.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

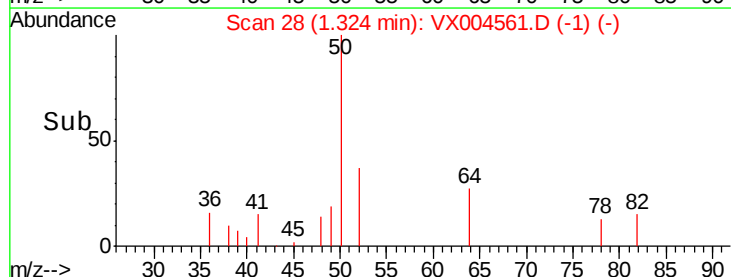
300

200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

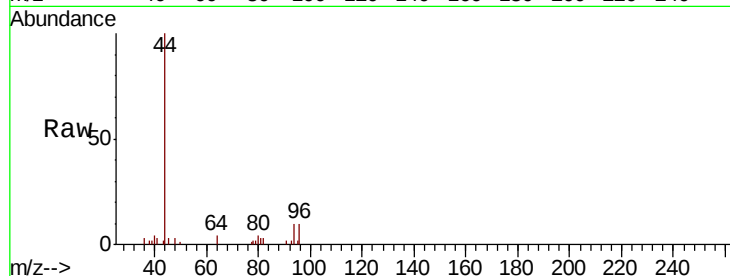
KY030LC018-W-180913

Tot Ion: 94 Resp: 1081

Ion Ratio Lower Upper

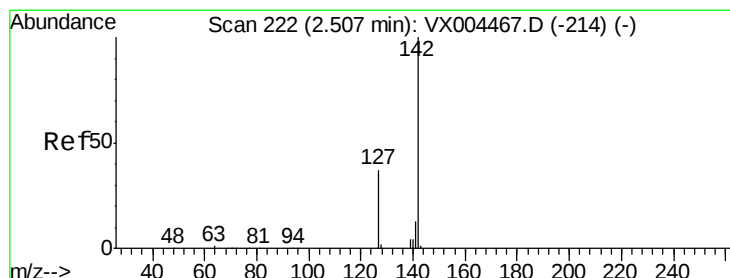
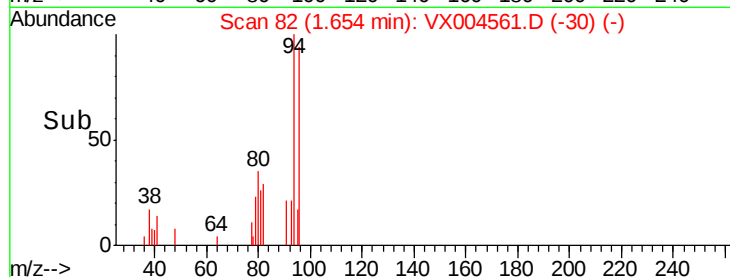
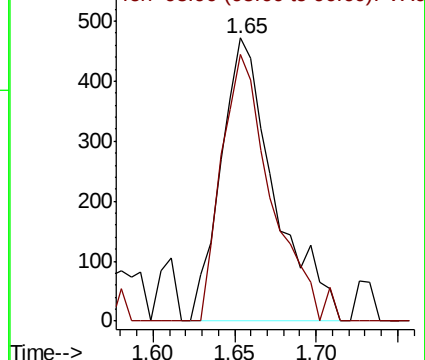
94 100

96 94.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.47 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

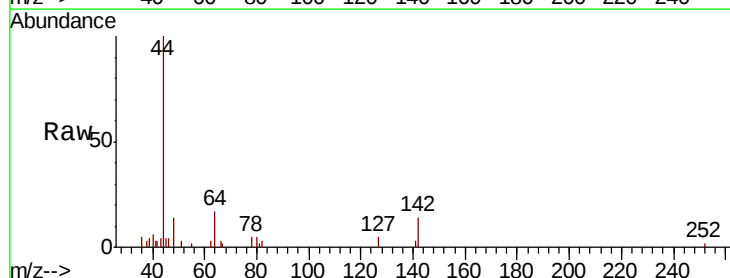
Tgt Ion: 142 Resp: 795

Ion Ratio Lower Upper

142 100

127 34.8 33.8 50.6

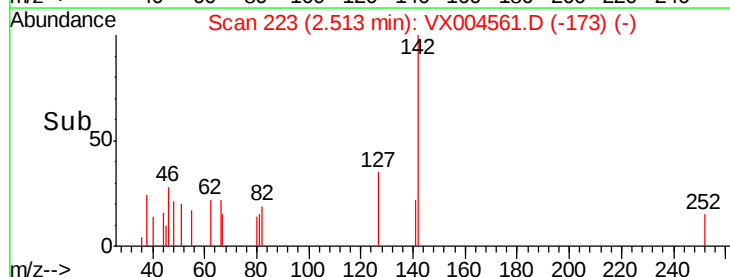
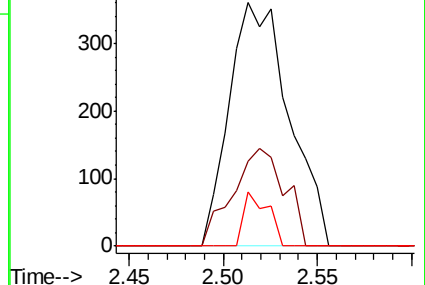
141 9.1 11.4 17.0#

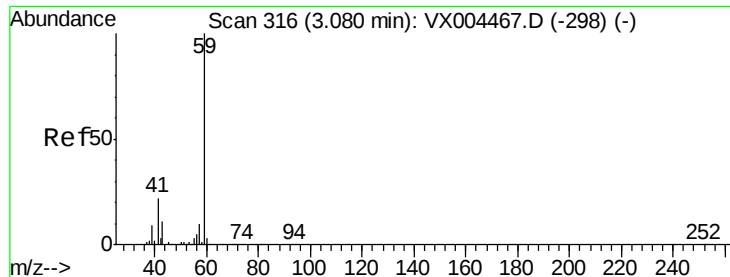


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.31 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

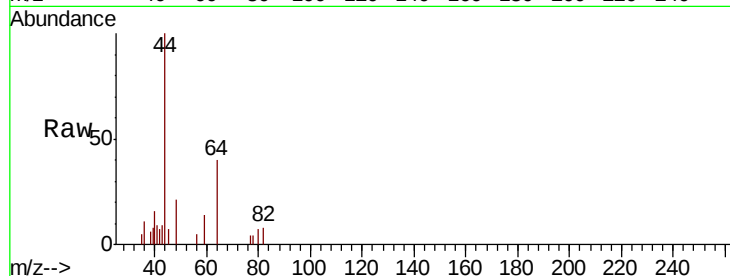
KY030LC018-W-180913

Tot Ion: 59 Resp: 242

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

200

150

100

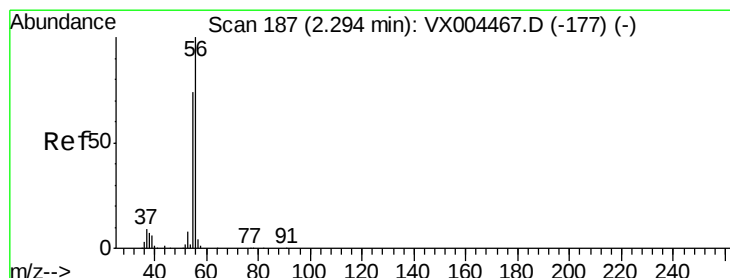
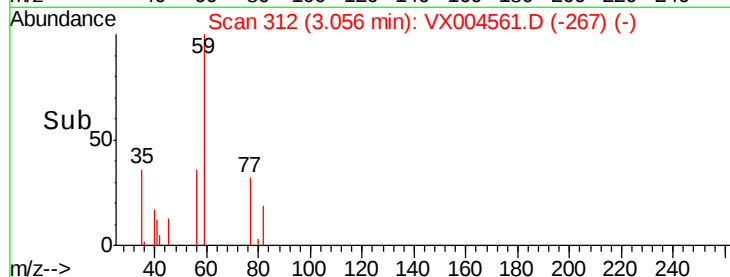
50

0

3.05

3.10

Time-->



#13

Acrolein

Concen: 0.65 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004561.D

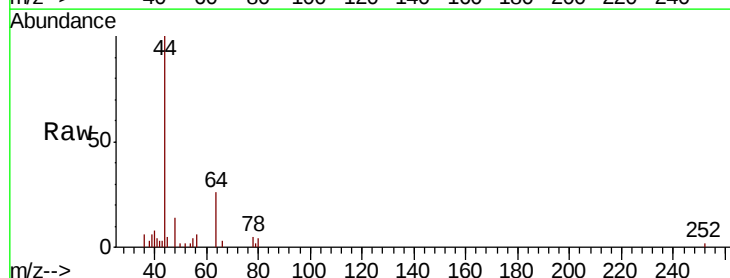
Acq: 15 Sep 2018 04:03

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

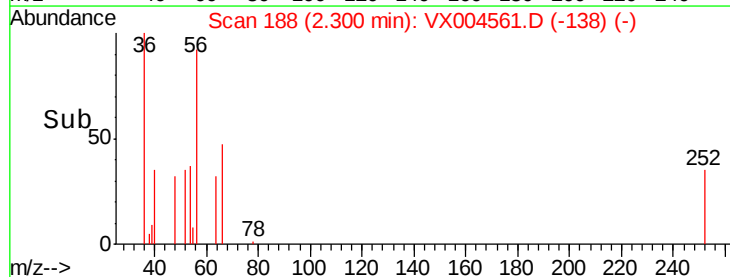
50

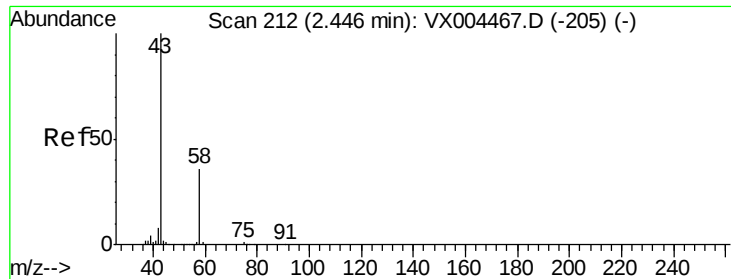
0

2.25

2.30

Time-->





#16

Acetone

Concen: 3.62 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

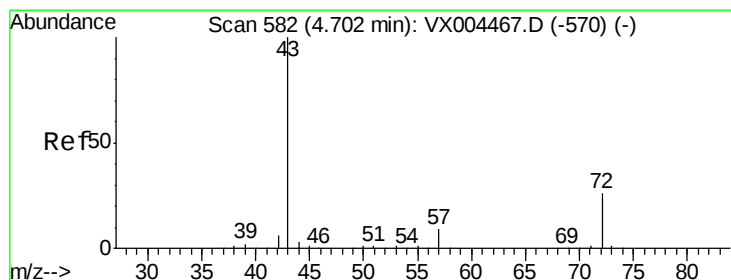
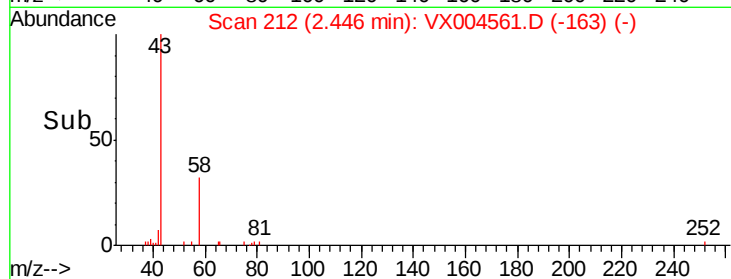
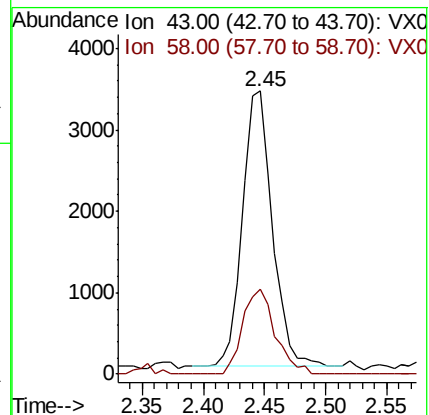
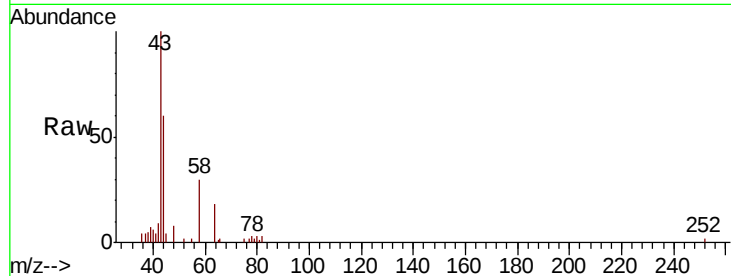
KY030LC018-W-180913

Tot Ion: 43 Resp: 5720

Ion Ratio Lower Upper

43 100

58 30.8 26.2 39.4



#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004561.D

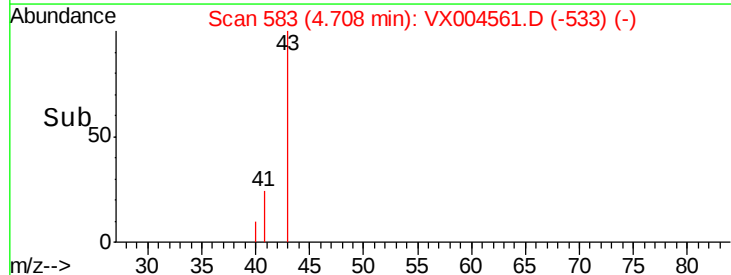
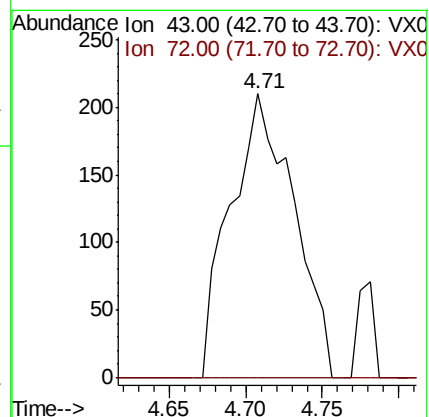
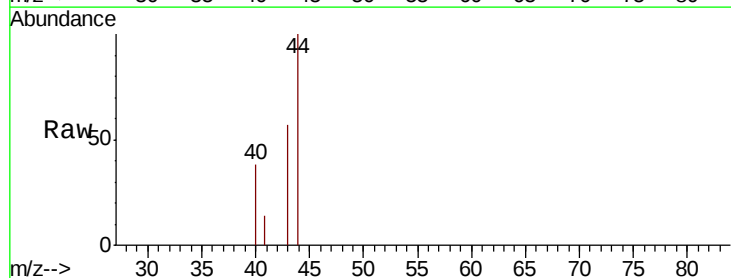
Acq: 15 Sep 2018 04:03

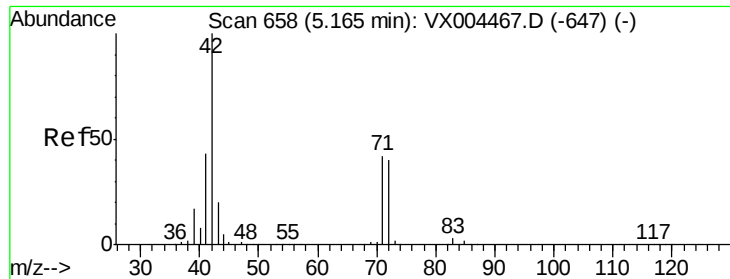
Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.17 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180913

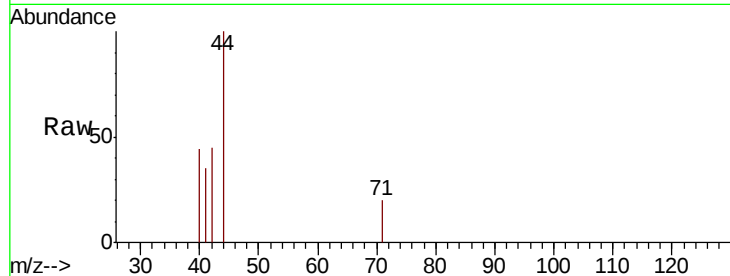
Tot Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

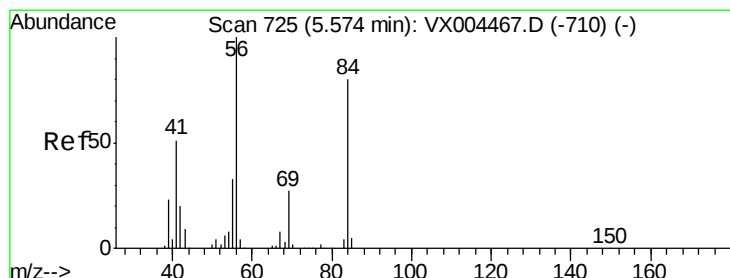
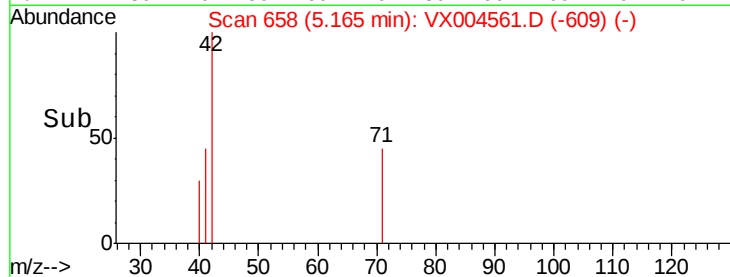
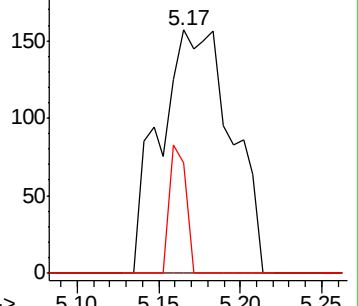
71 11.6 34.5 51.7#



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



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

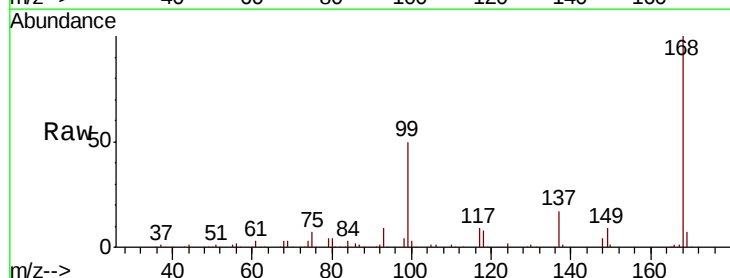
Tgt Ion: 56 Resp: 4165

Ion Ratio Lower Upper

56 100

69 195.1 25.4 38.2#

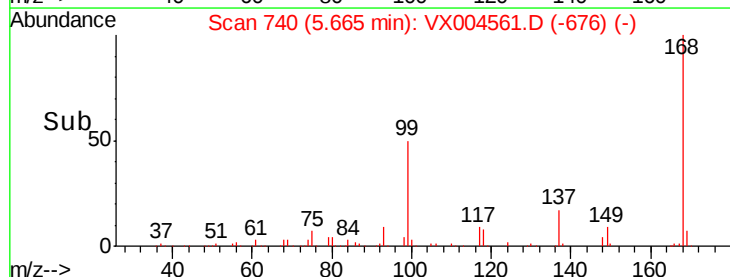
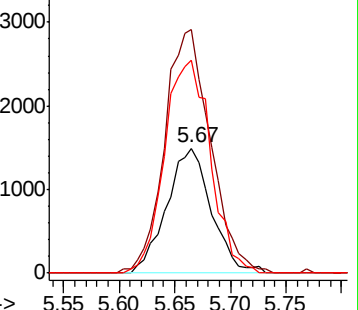
84 170.1 71.4 107.2#

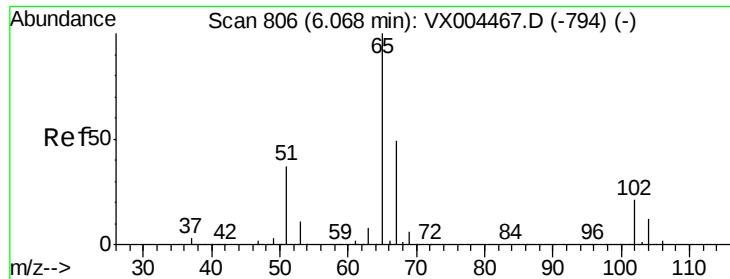


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.18 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

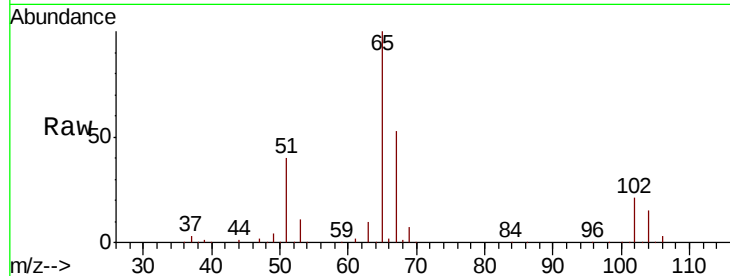
KY030LC018-W-180913

Tot Ion: 65 Resp: 169003

Ion Ratio Lower Upper

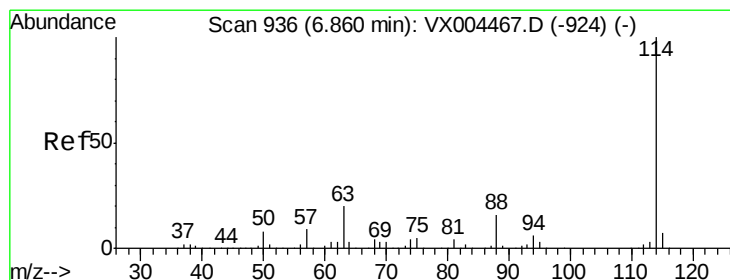
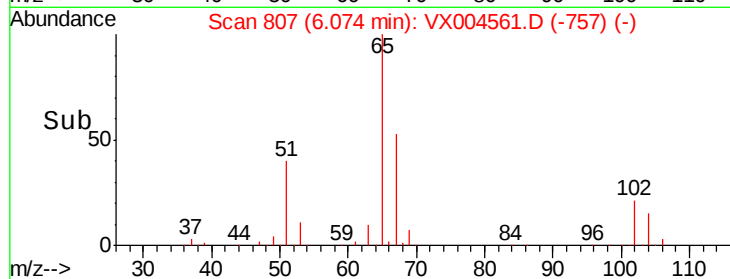
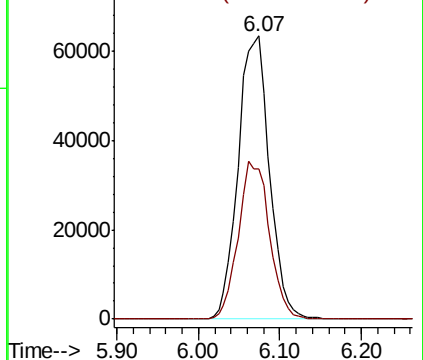
65 100

67 55.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

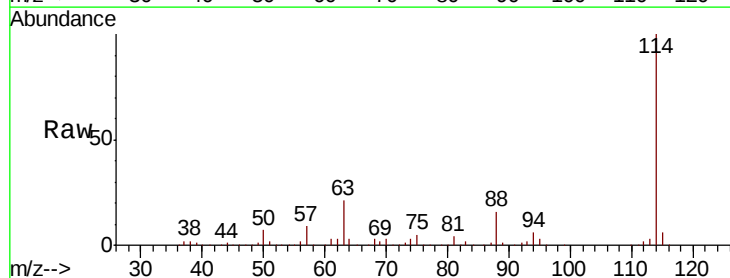
Tgt Ion: 114 Resp: 344567

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.0

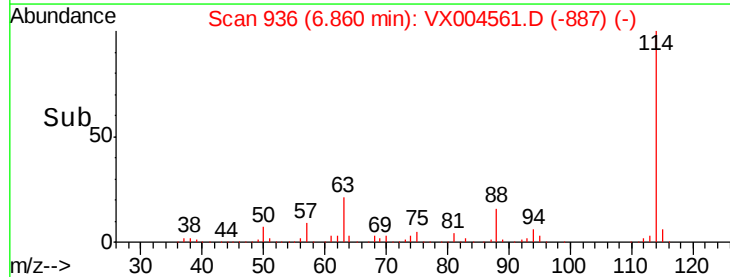
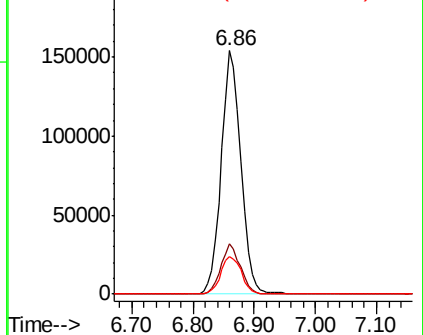
88 15.5 0.0 30.4

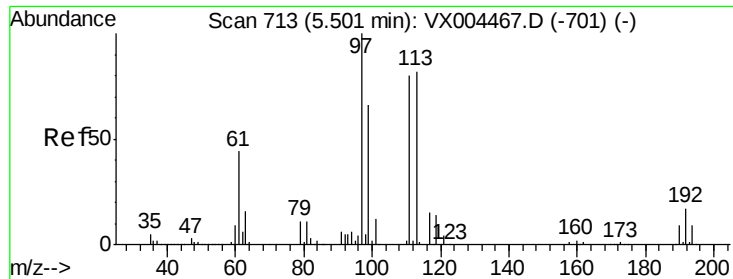


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

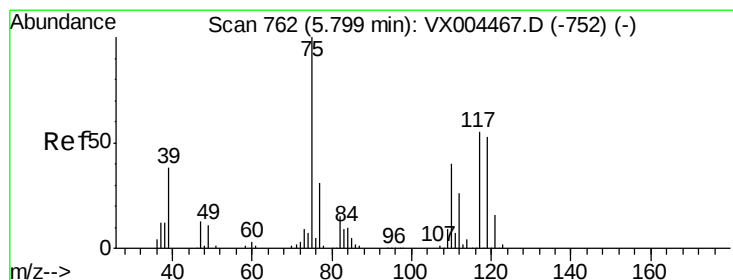
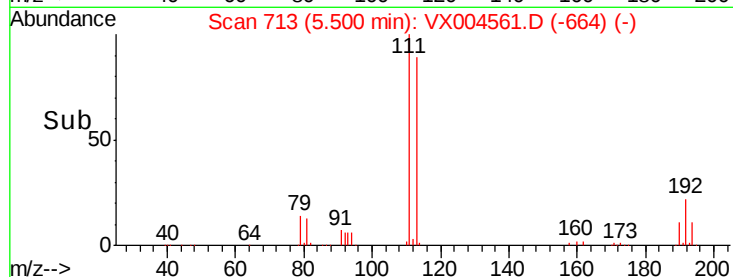
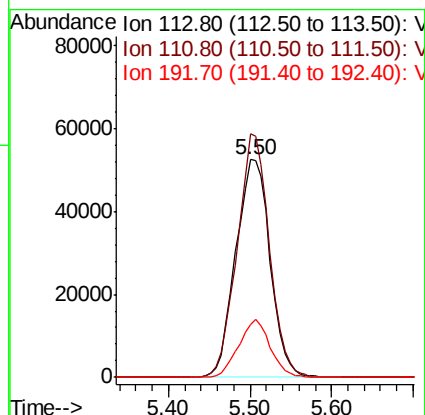
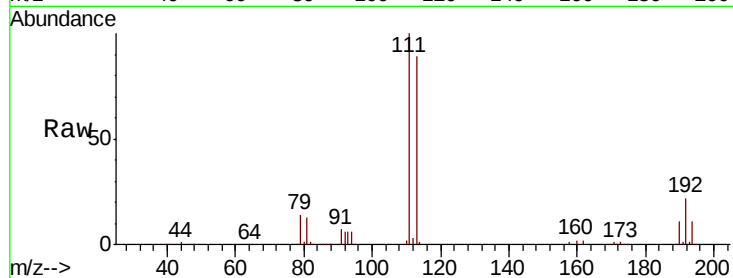




#35
 Dibromofluoromethane
 Concen: 48.52 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004561.D
 Acq: 15 Sep 2018 04:03

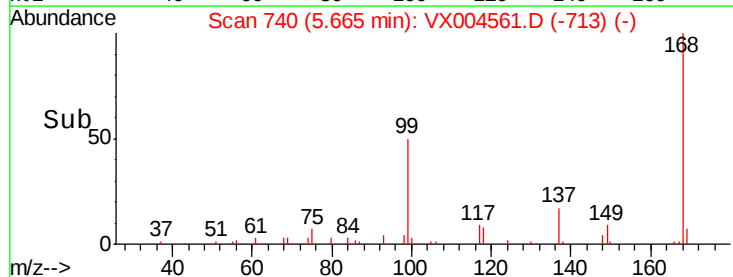
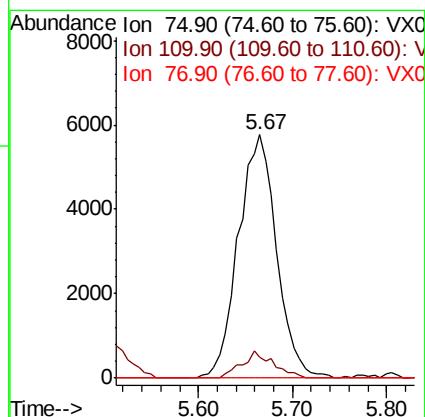
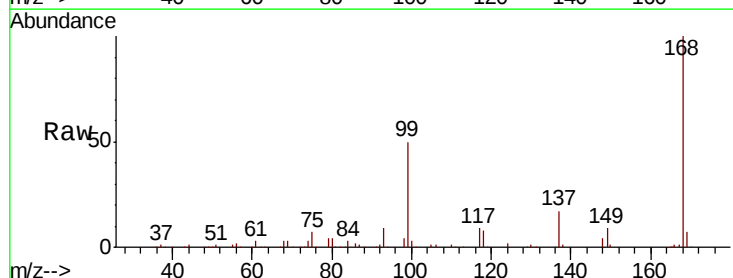
Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC018-W-180913

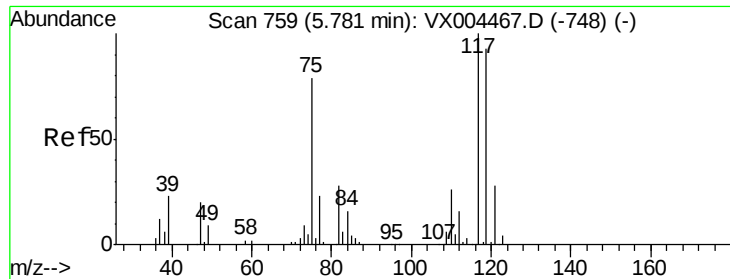
Tot Ion:113 Resp: 152973
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.4 123.6
 192 24.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004561.D
 Acq: 15 Sep 2018 04:03

Tgt Ion: 75 Resp: 16347
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.38 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180913

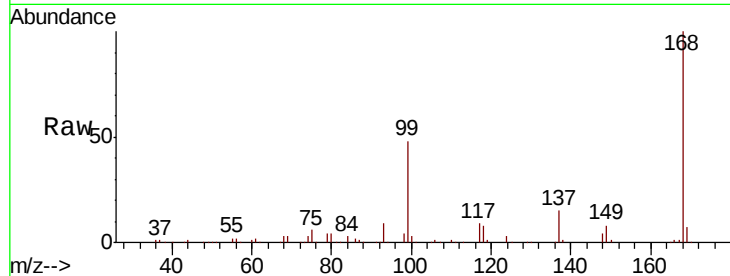
Tot Ion:117 Resp: 21969

Ion Ratio Lower Upper

117 100

119 5.8 78.8 118.2#

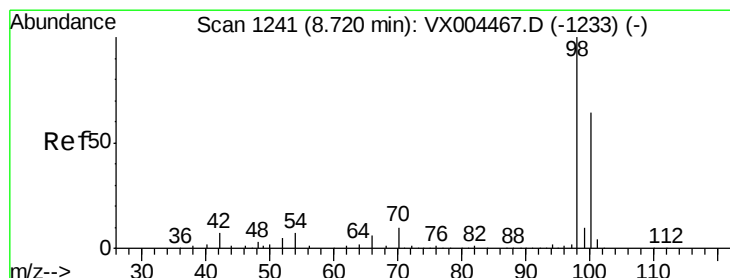
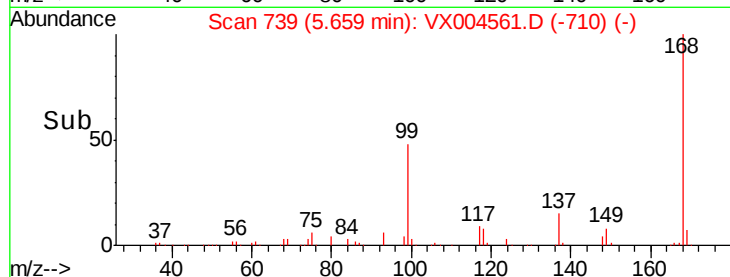
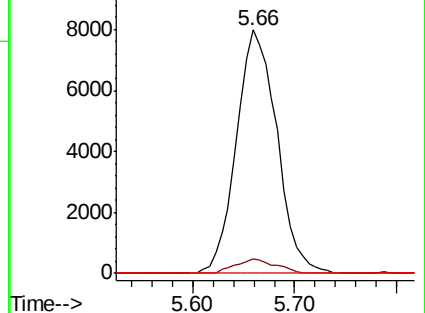
121 0.0 24.9 37.3#



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: 47.66 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004561.D

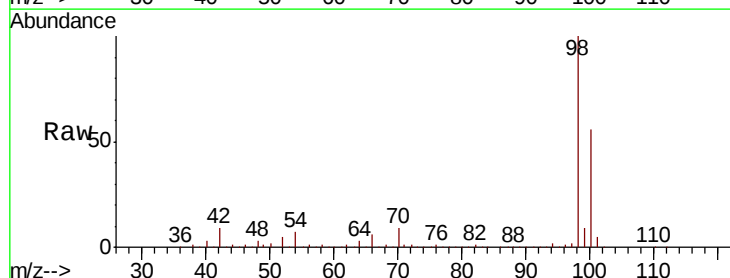
Acq: 15 Sep 2018 04:03

Tgt Ion: 98 Resp: 503922

Ion Ratio Lower Upper

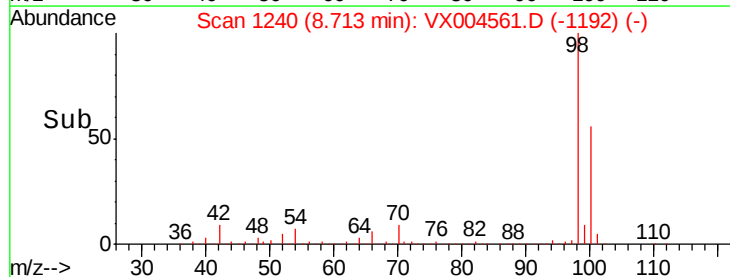
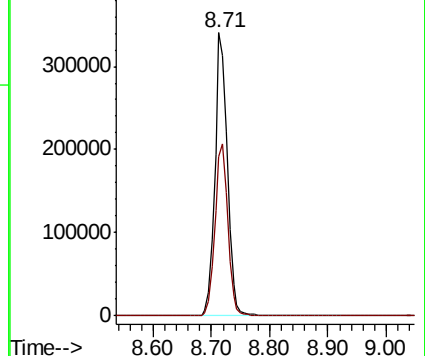
98 100

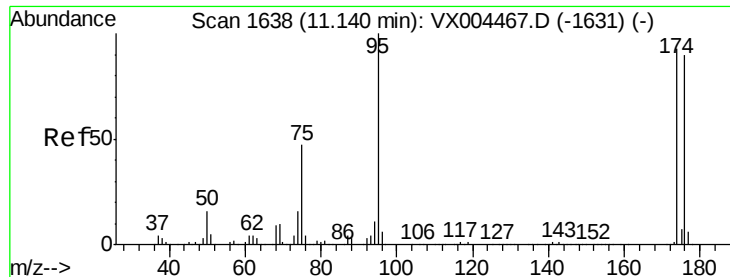
100 63.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.85 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180913

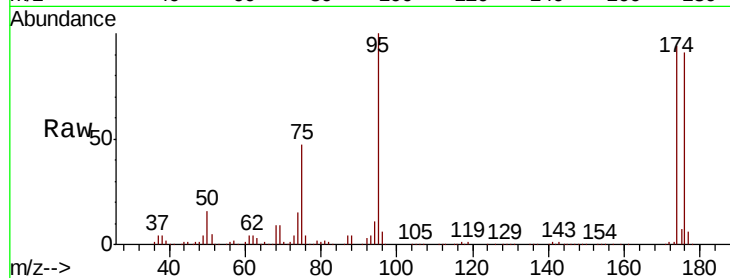
Tot Ion: 95 Resp: 161737

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

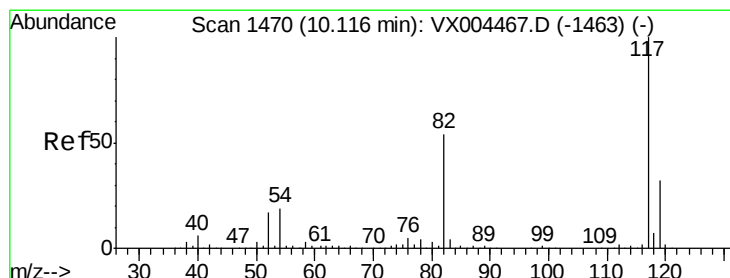
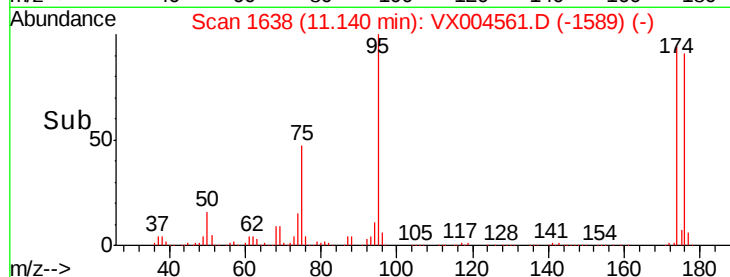
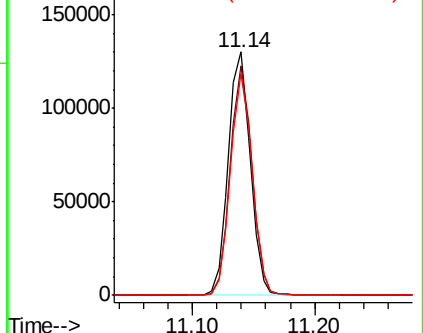
176 90.2 0.0 178.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

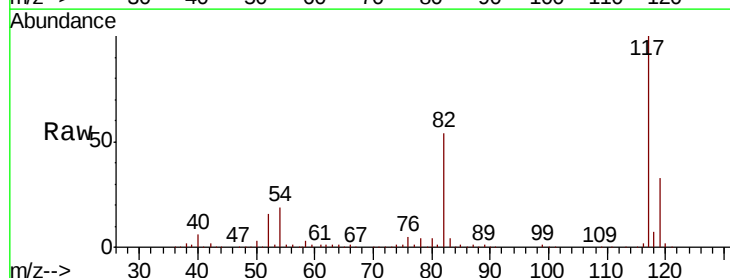
Tgt Ion: 117 Resp: 313716

Ion Ratio Lower Upper

117 100

82 54.1 47.8 71.6

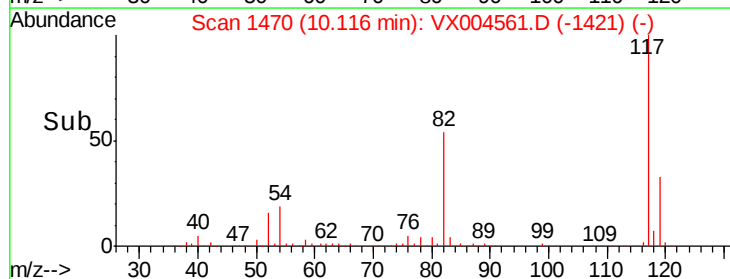
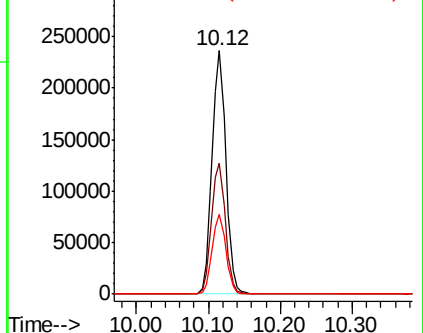
119 32.6 29.3 43.9

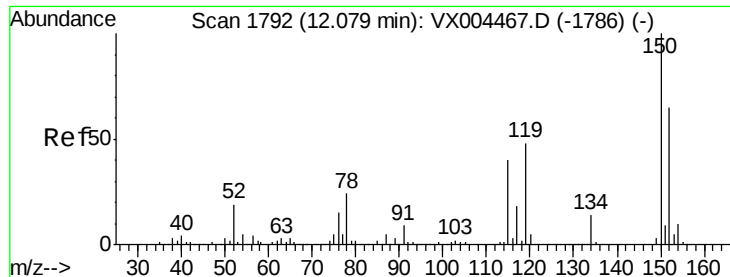


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180913

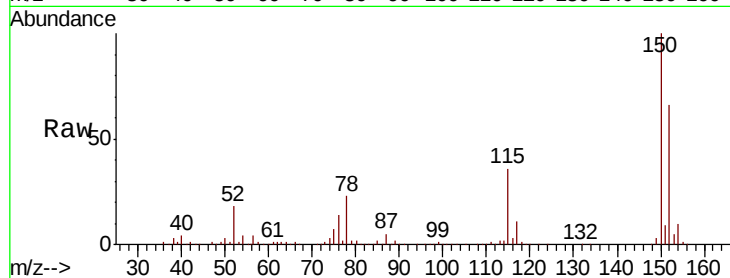
Tot Ion:152 Resp: 170454

Ion Ratio Lower Upper

152 100

115 54.5 39.0 117.0

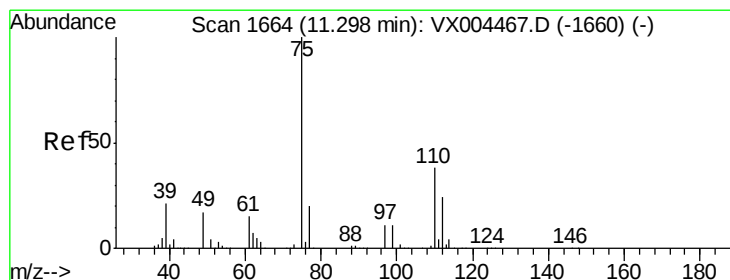
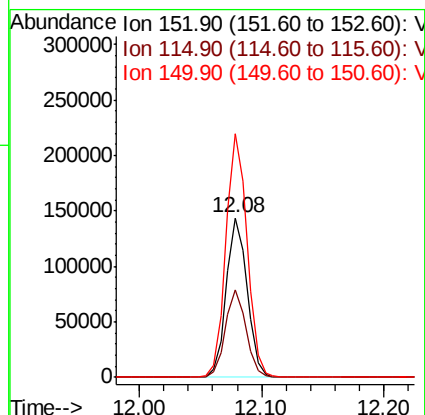
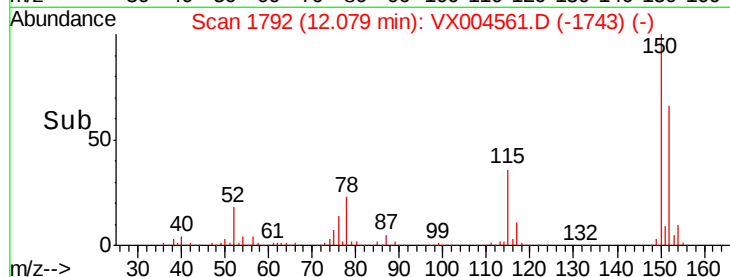
150 154.5 0.0 351.0



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: 22.40 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004561.D

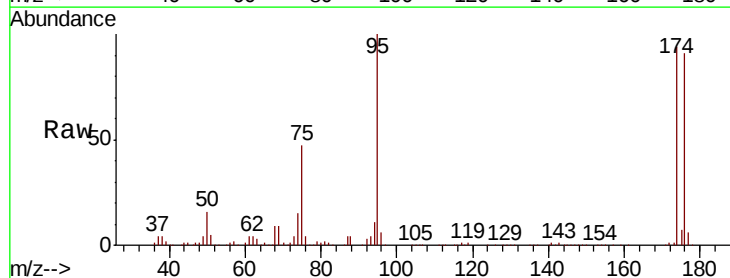
Acq: 15 Sep 2018 04:03

Tgt Ion: 75 Resp: 76826

Ion Ratio Lower Upper

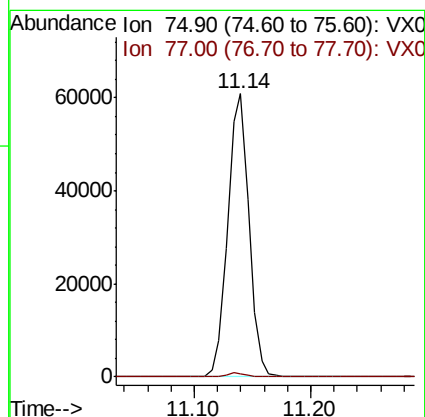
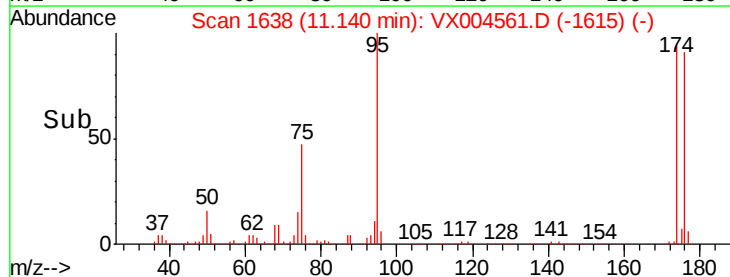
75 100

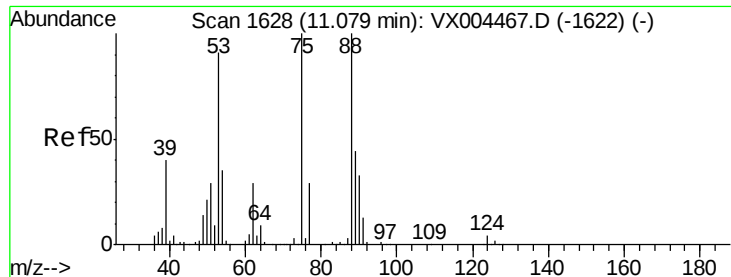
77 1.3 20.2 60.6#



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: 71.41 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004561.D

Acq: 15 Sep 2018 04:03

Instrument :

MSVOA_X

ClientSampleId :

KY030LC018-W-180913

Tot Ion: 75 Resp: 76826

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

