

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051718\
 Data File : VX001785.D
 Acq On : 17 May 2018 12:52
 Operator : JC/MD
 Sample : J2796-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS034-180507

Quant Time: May 18 03:54:49 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	302010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	410140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174561	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	225965	55.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.64%	
35) Dibromofluoromethane	5.51	113	192186	55.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.06%	
50) Toluene-d8	8.72	98	682594	55.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.12%	
62) 4-Bromofluorobenzene	11.14	95	196959	44.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.26%	

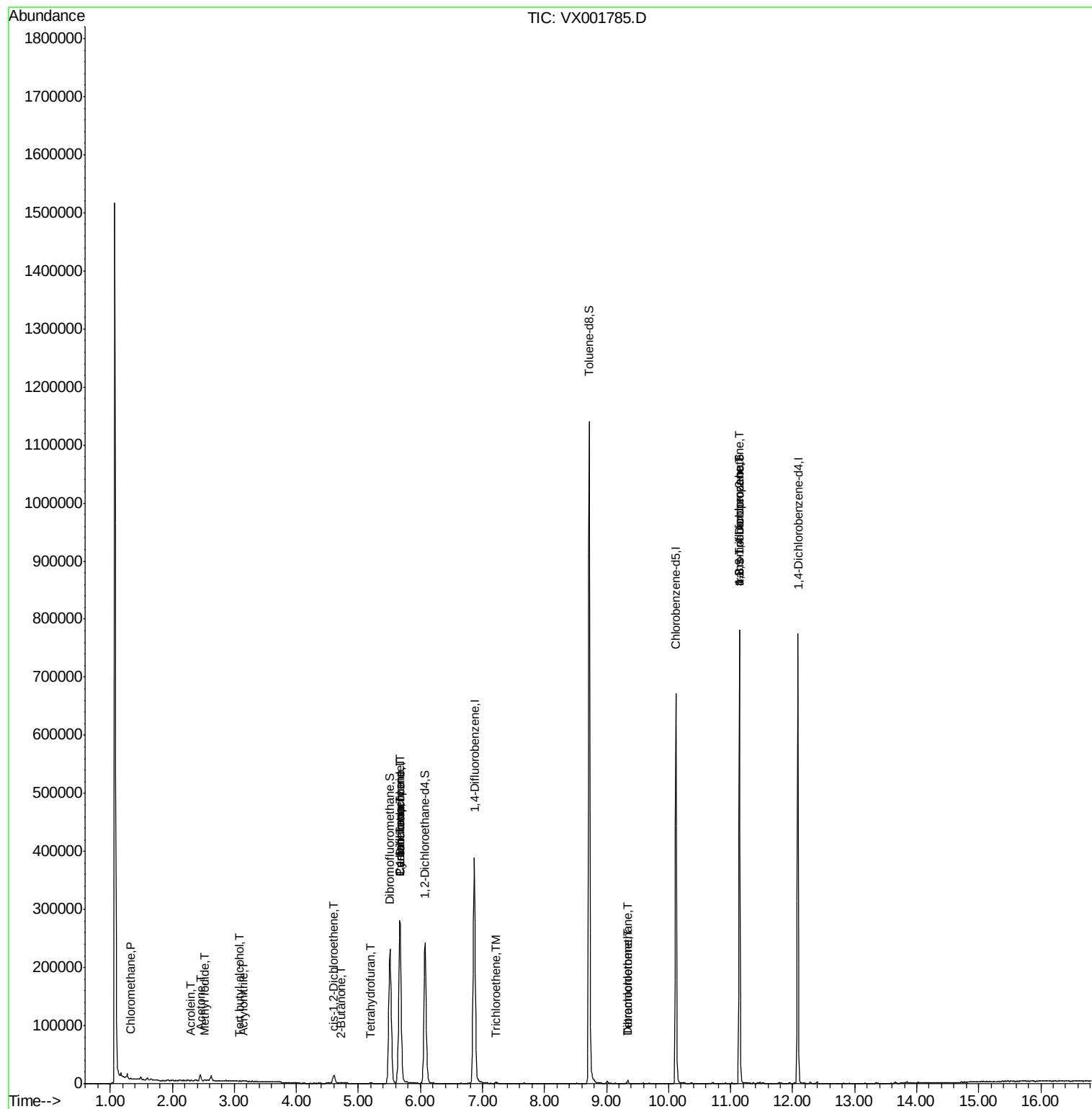
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	732	0.22	ug/l	93
5) Bromomethane	1.65	94	1190	Below Cal		98
10) Methyl Iodide	2.52	142	1976	0.69	ug/l	95
11) Tert butyl alcohol	3.07	59	492	0.68	ug/l #	72
13) Acrolein	2.29	56	307	0.60	ug/l #	75
15) Acrylonitrile	3.15	53	481	0.27	ug/l #	75
16) Acetone	2.45	43	10833	6.81	ug/l	95
25) 2-Butanone	4.72	43	1540	0.63	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	8819	2.36	ug/l	95
29) Tetrahydrofuran	5.19	42	537	0.34	ug/l #	55
31) Cyclohexane	5.67	56	4670	0.92	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17544	3.72	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24652	4.98	ug/l #	16
44) Trichloroethene	7.22	130	949	0.22	ug/l	84
60) Dibromochloromethane	9.34	129	1101	0.31	ug/l #	11
64) Tetrachloroethene	9.34	164	1261	0.29	ug/l #	89
76) 1,2,3-Trichloropropane	11.14	75	93829	28.27	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	93829	81.97	ug/l #	10

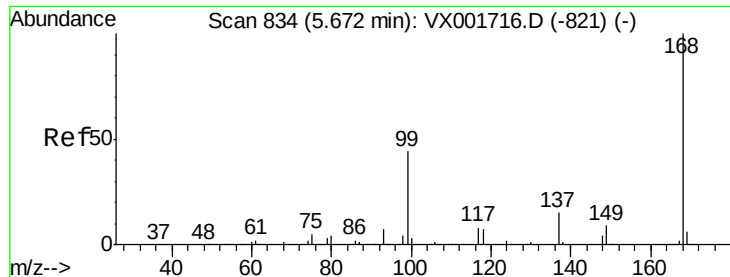
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 01:36:22 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

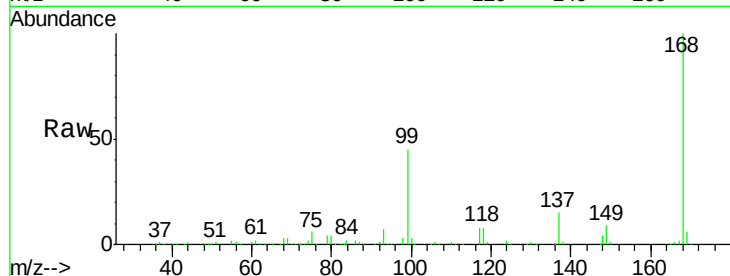
KY038PS034-180507

Tgt Ion:168 Resp: 302010

Ion Ratio Lower Upper

168 100

99 44.6 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

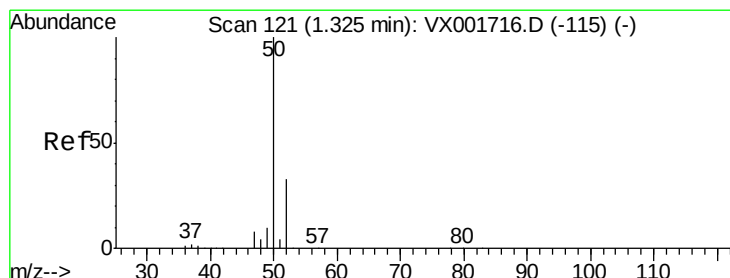
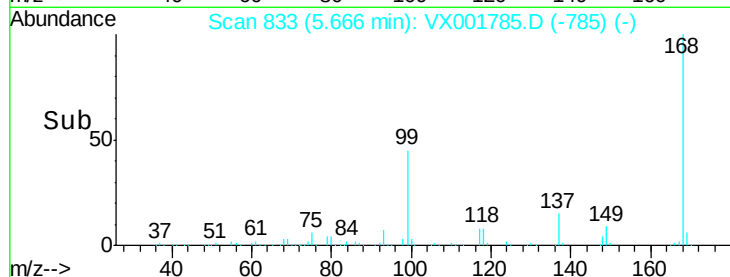
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001785.D

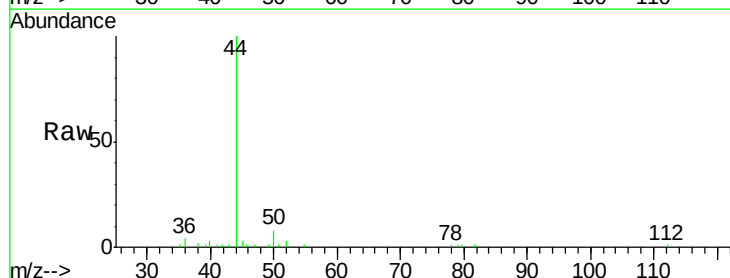
Acq: 17 May 2018 12:52

Tgt Ion: 50 Resp: 732

Ion Ratio Lower Upper

50 100

52 37.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

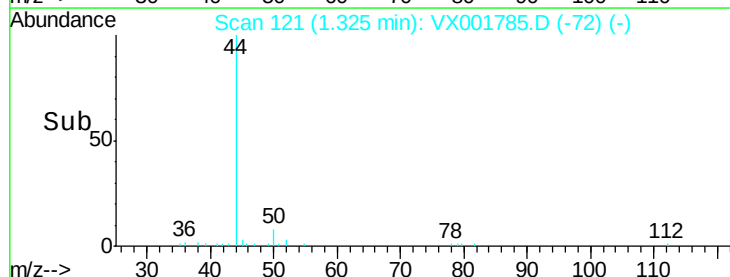
300

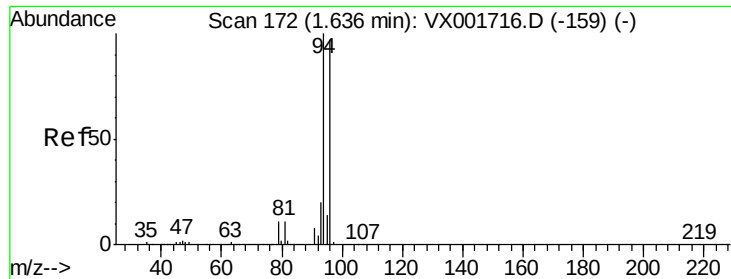
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

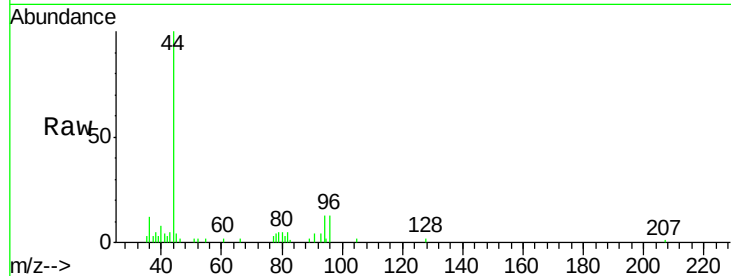
KY038PS034-180507

Tgt Ion: 94 Resp: 1190

Ion Ratio Lower Upper

94 100

96 98.5 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

300

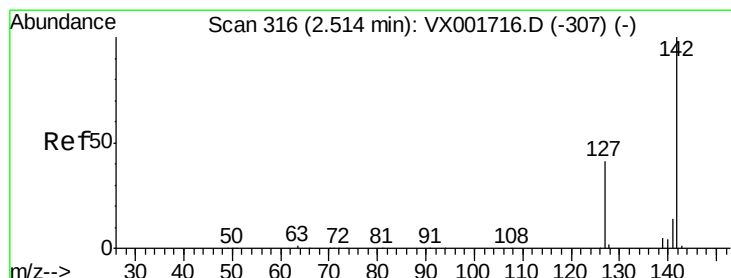
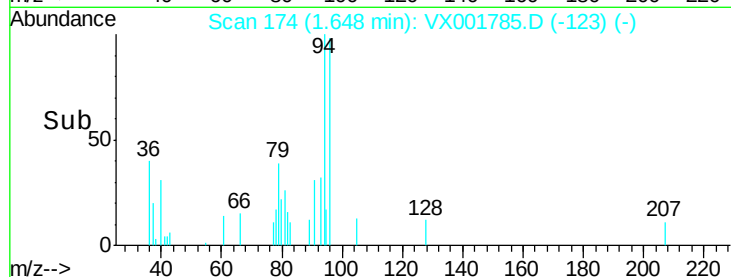
200

100

0

1.60 1.65 1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 0.69 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

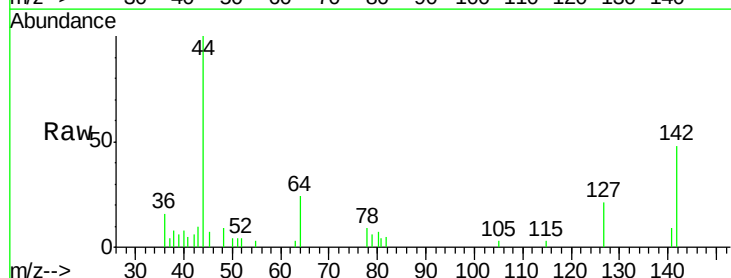
Tgt Ion: 142 Resp: 1976

Ion Ratio Lower Upper

142 100

127 43.7 32.5 48.7

141 15.7 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

2.52

1200

1000

800

600

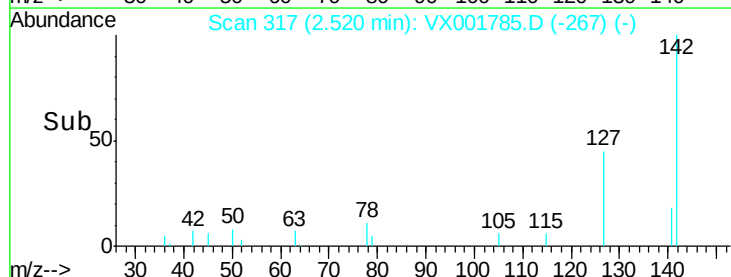
400

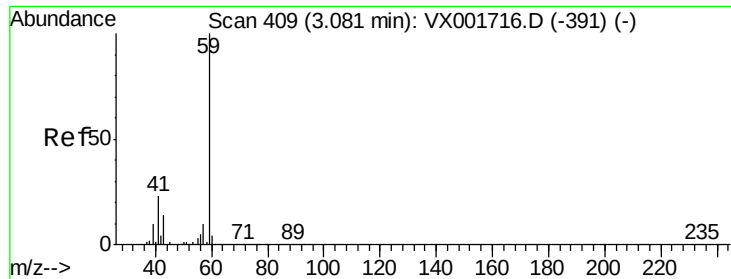
200

0

2.45 2.50 2.55 2.60

Time-->

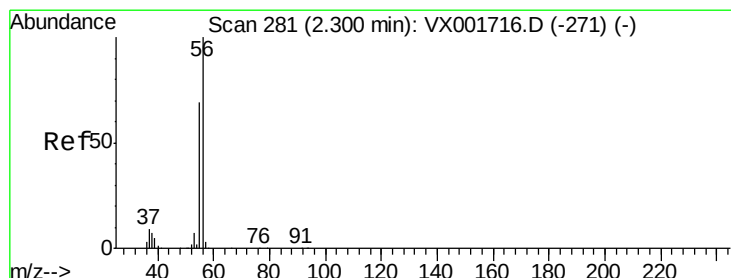
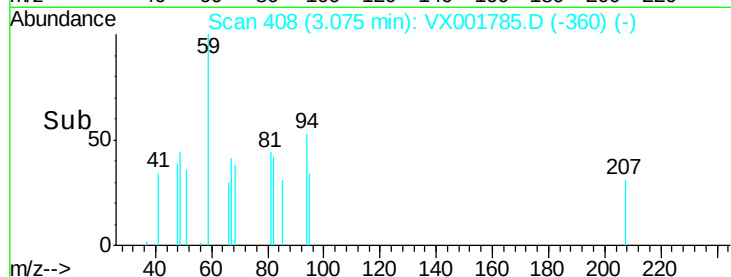
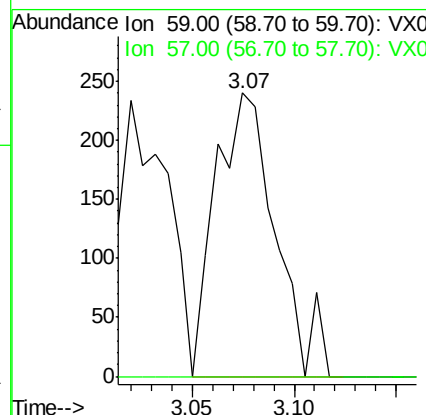
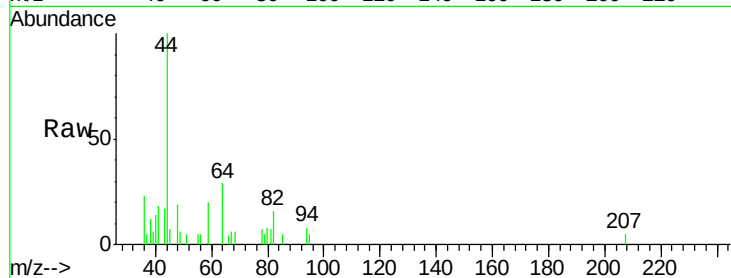




#11
Tert butyl alcohol
Concen: 0.68 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

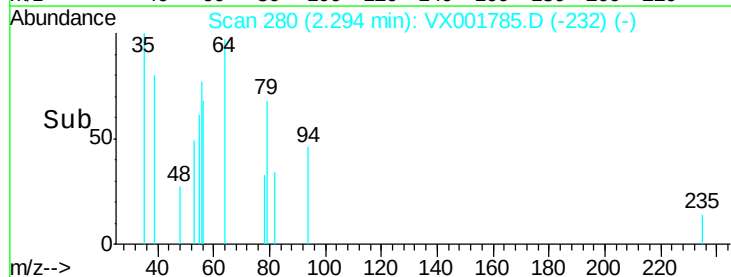
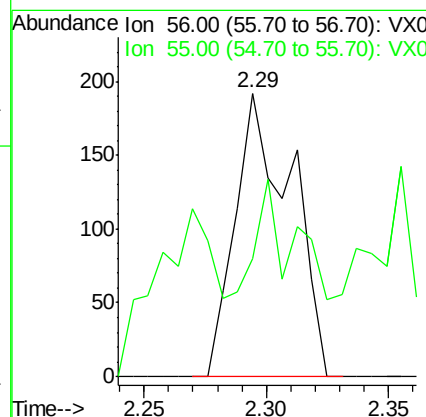
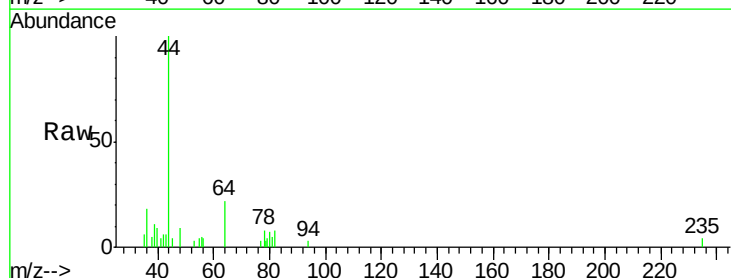
Instrument :
MSVOA_X
ClientSampleId :
KY038PS034-180507

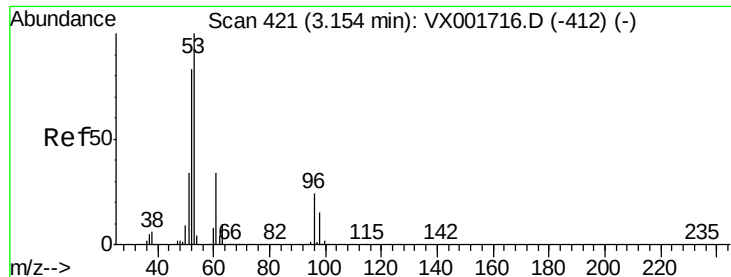
Tgt Ion: 59 Resp: 492
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.60 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

Tgt Ion: 56 Resp: 307
Ion Ratio Lower Upper
56 100
55 49.5 56.2 84.2#





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS034-180507

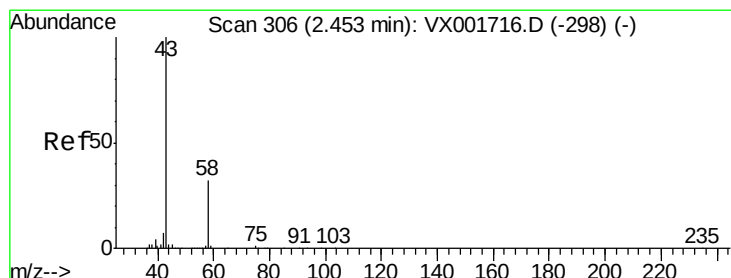
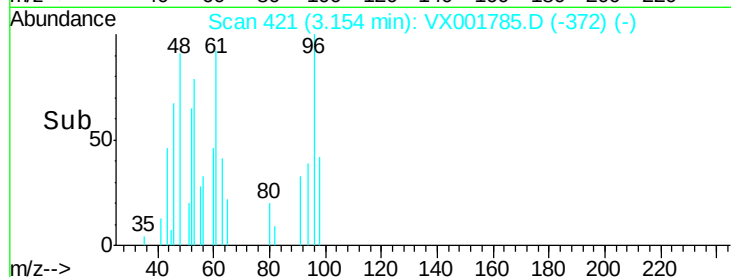
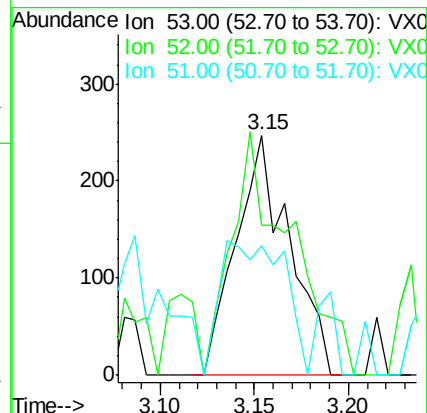
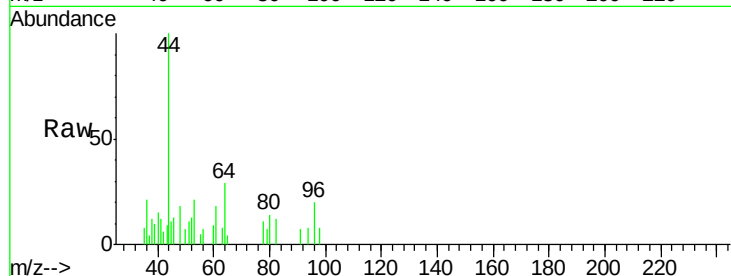
Tgt Ion: 53 Resp: 481

Ion Ratio Lower Upper

53 100

52 113.9 65.6 98.4#

51 34.5 28.1 42.1



#16

Acetone

Concen: 6.81 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001785.D

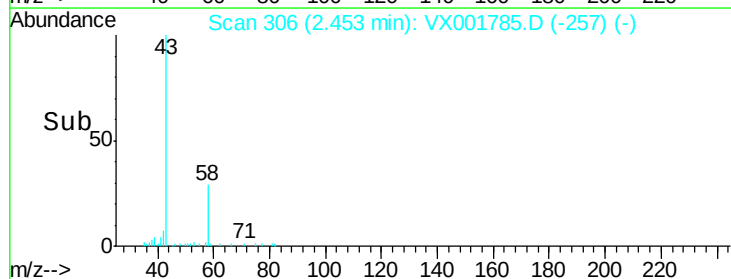
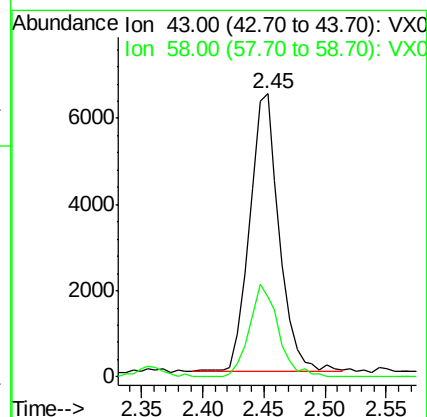
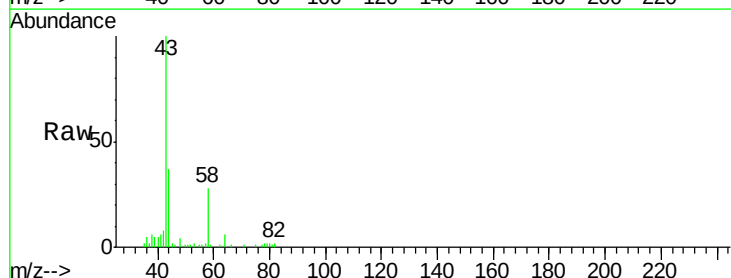
Acq: 17 May 2018 12:52

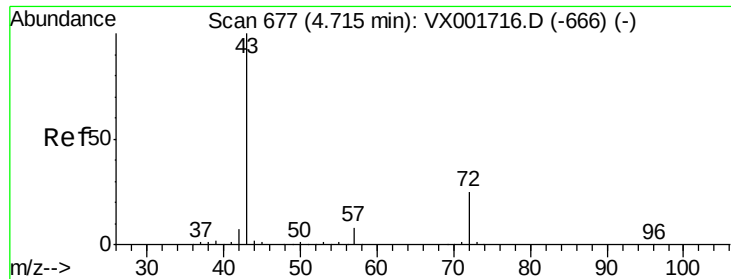
Tgt Ion: 43 Resp: 10833

Ion Ratio Lower Upper

43 100

58 29.0 25.3 37.9





#25

2-Butanone

Concen: 0.63 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

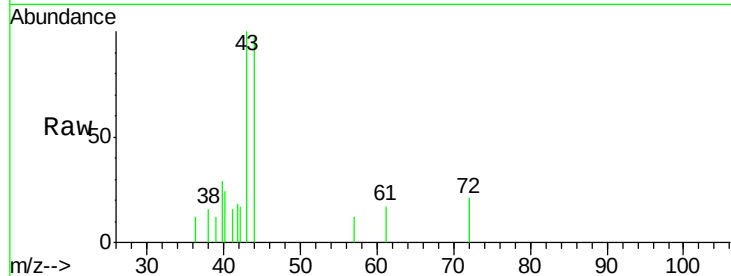
KY038PS034-180507

Tgt Ion: 43 Resp: 1540

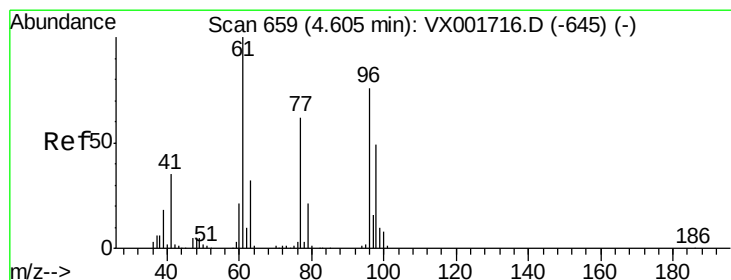
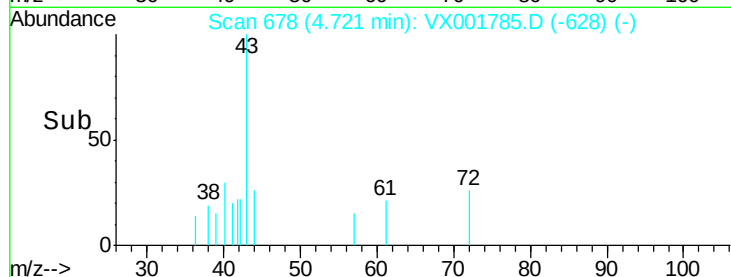
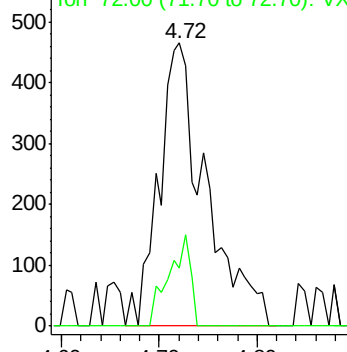
Ion Ratio Lower Upper

43 100

72 20.6 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX001716.D (-666) (-)



#27

cis-1,2-Dichloroethene

Concen: 2.36 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

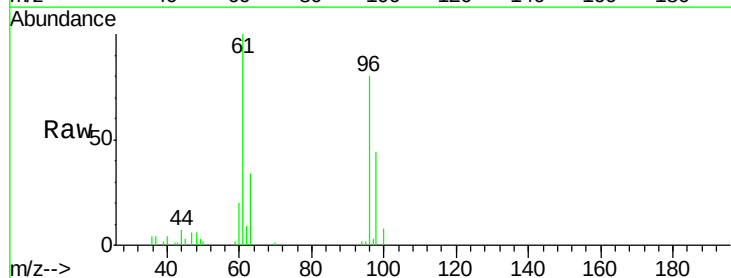
Tgt Ion: 96 Resp: 8819

Ion Ratio Lower Upper

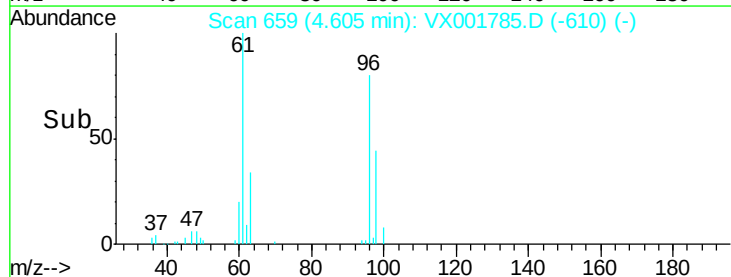
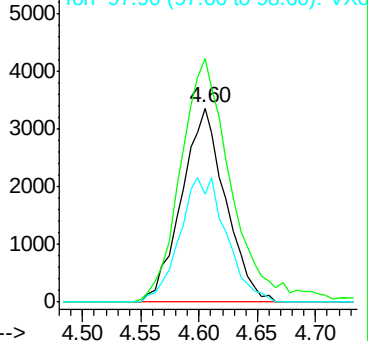
96 100

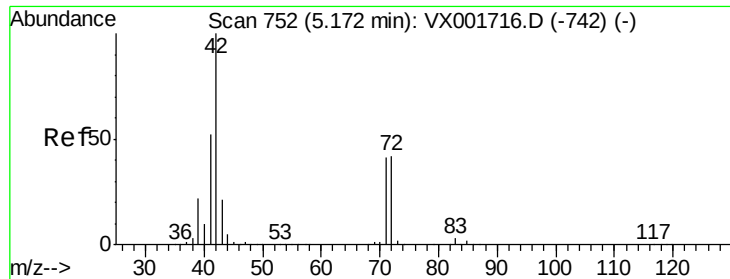
61 146.2 0.0 280.4

98 68.2 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VX001716.D (-645) (-)





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

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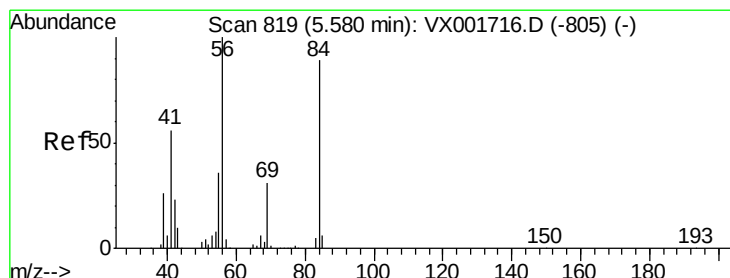
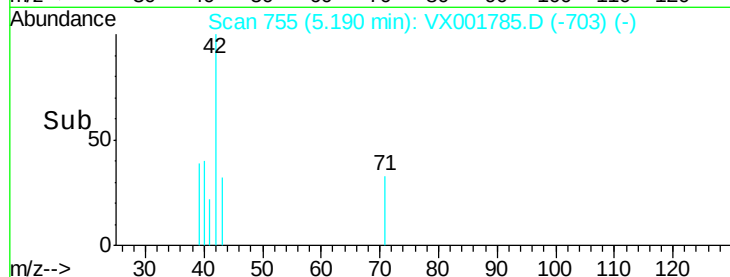
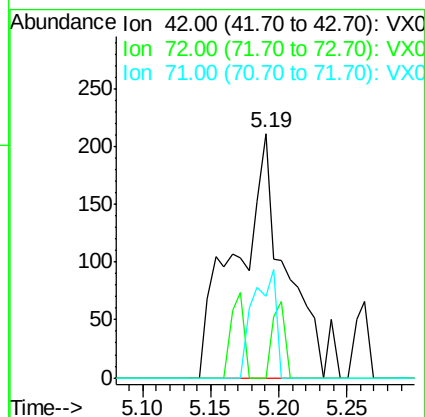
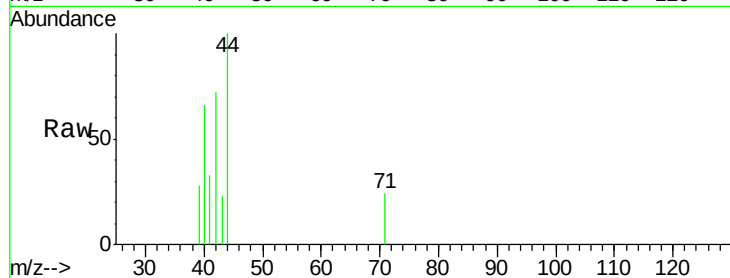
Tgt Ion: 42 Resp: 537

Ion Ratio Lower Upper

42 100

72 8.2 35.4 53.2#

71 20.5 33.2 49.8#



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

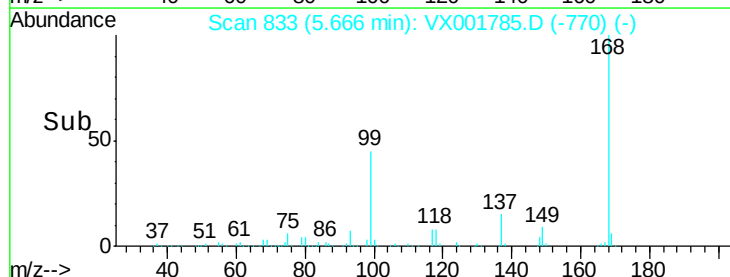
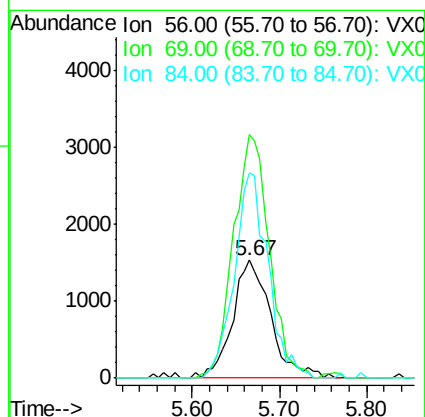
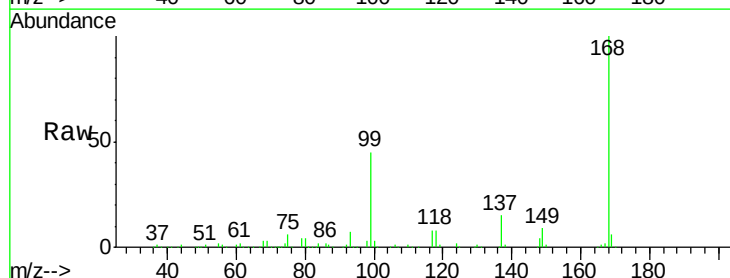
Tgt Ion: 56 Resp: 4670

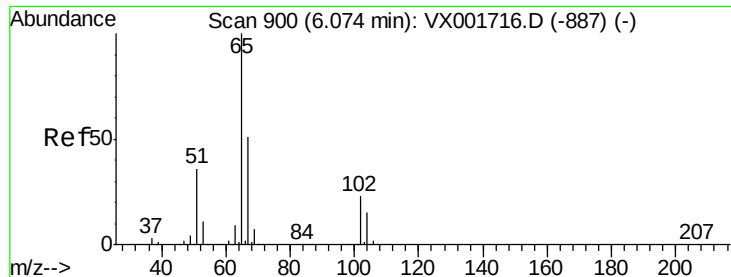
Ion Ratio Lower Upper

56 100

69 207.0 25.0 37.6#

84 174.1 71.0 106.4#

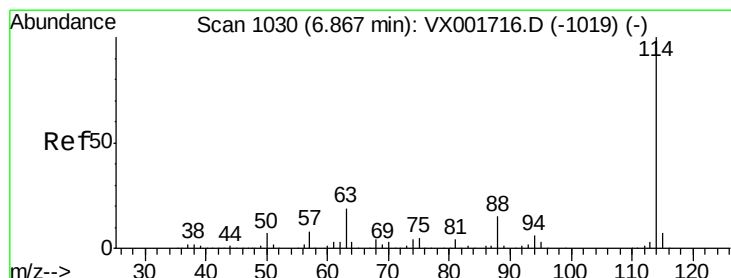
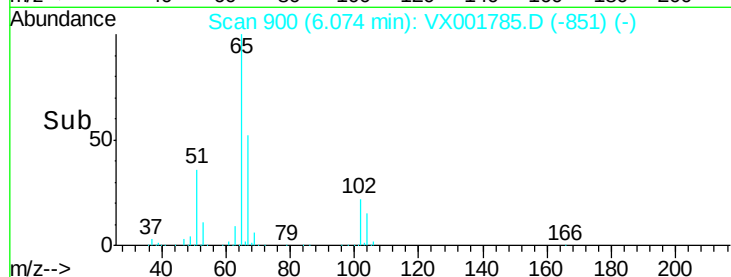
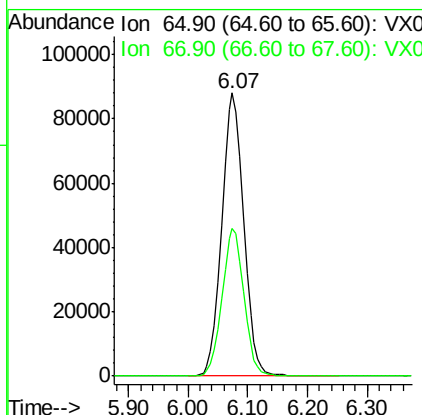
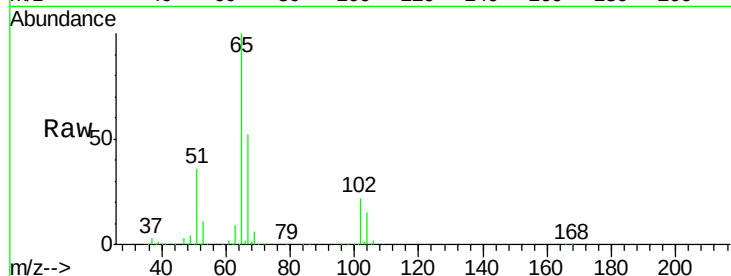




#33
 1,2-Dichloroethane-d4
 Concen: 55.82 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001785.D
 Acq: 17 May 2018 12:52

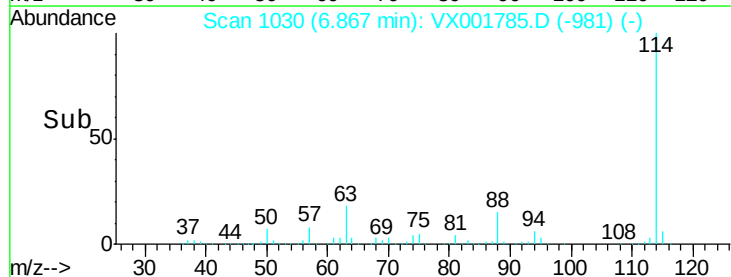
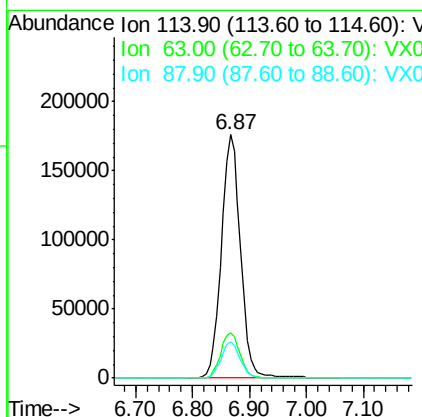
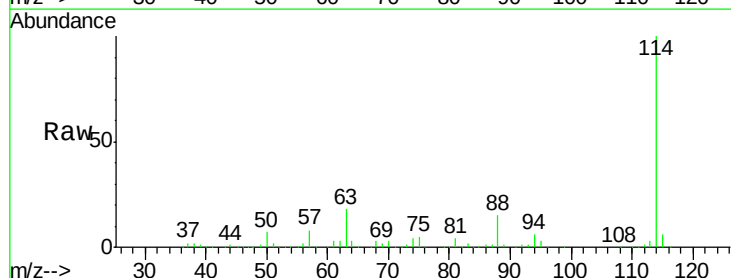
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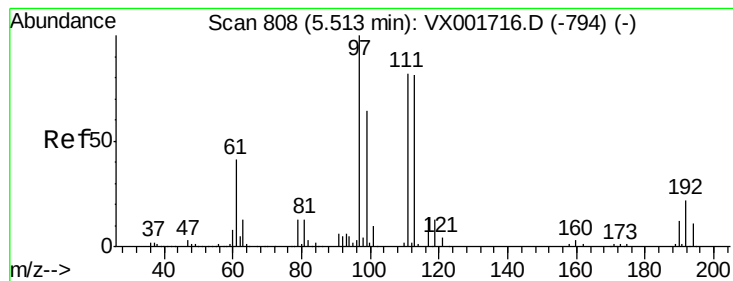
Tgt Ion: 65 Resp: 225965
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001785.D
 Acq: 17 May 2018 12:52

Tgt Ion: 114 Resp: 410140
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.0
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 55.53 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS034-180507

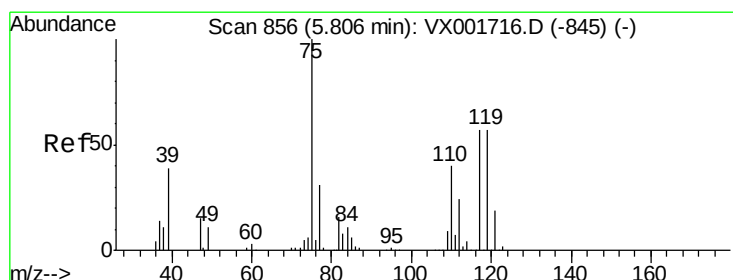
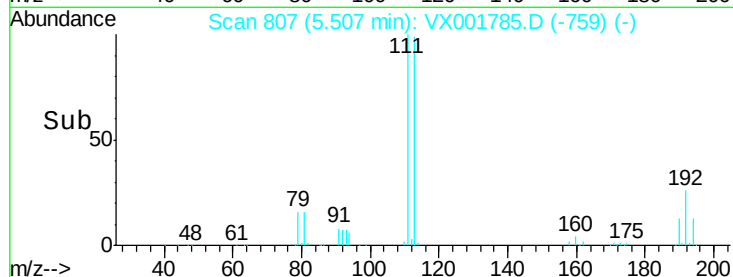
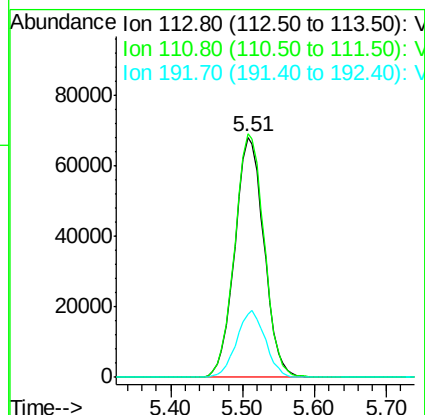
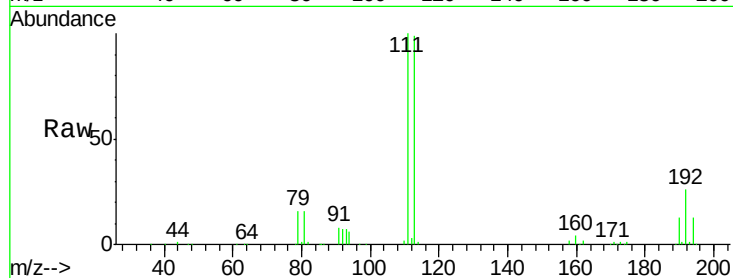
Tgt Ion:113 Resp: 192186

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 27.4 21.6 32.4



#36

1,1-Dichloropropene

Concen: 3.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

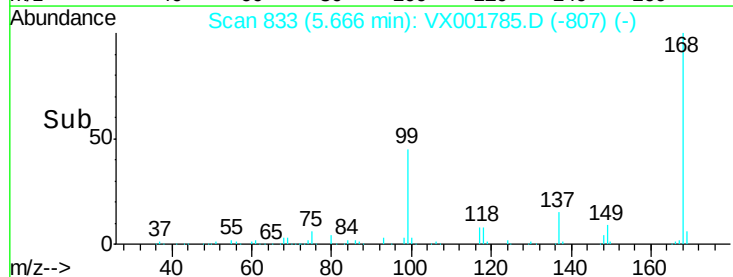
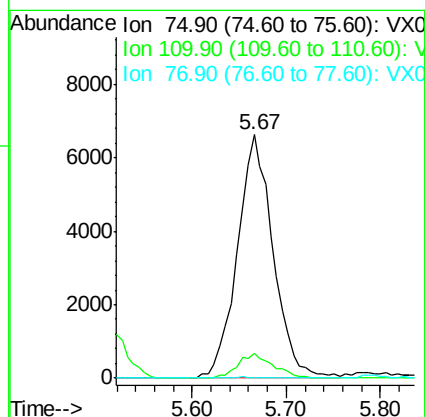
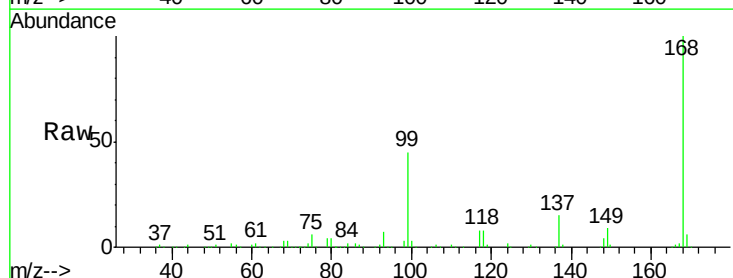
Tgt Ion: 75 Resp: 17544

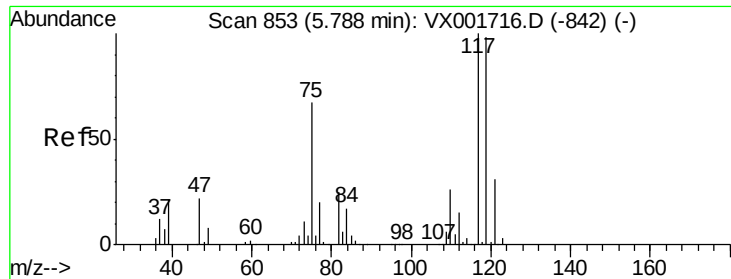
Ion Ratio Lower Upper

75 100

110 9.8 19.1 57.1#

77 0.1 24.6 37.0#

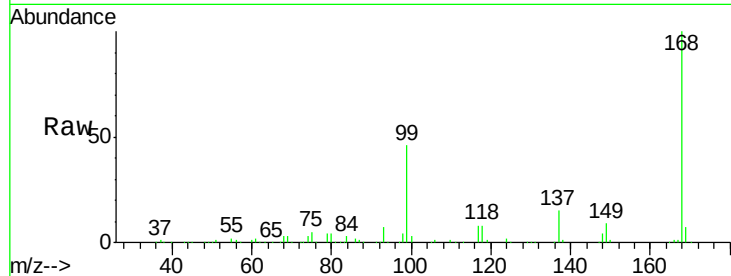




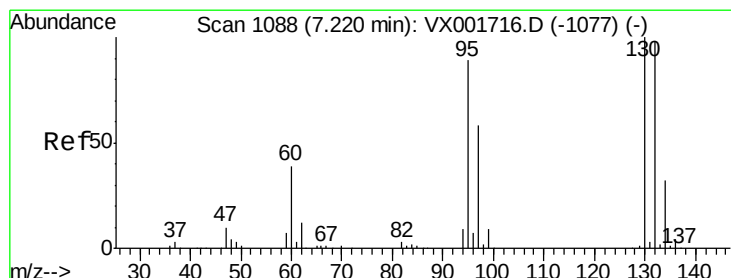
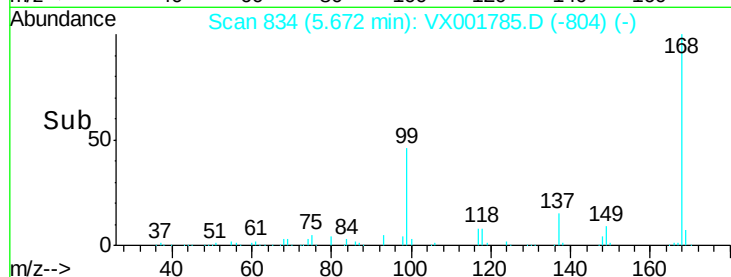
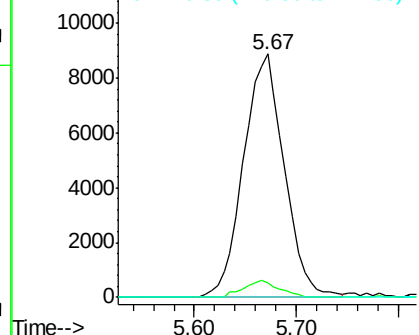
#38
Carbon Tetrachloride
Concen: 4.98 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
KY038PS034-180507

Tgt Ion:117 Resp: 24652
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 24.6 36.8#

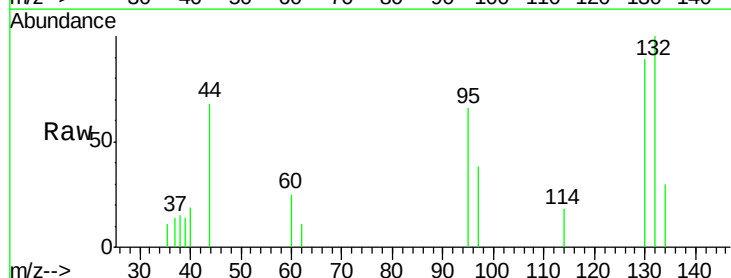


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

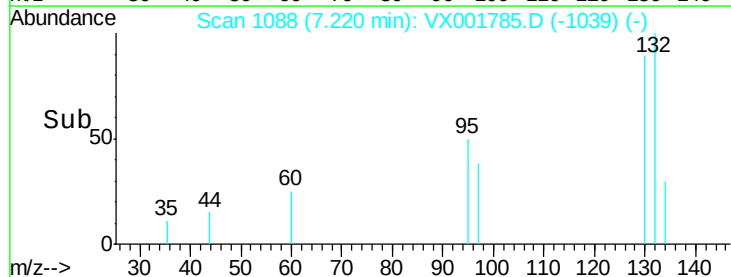
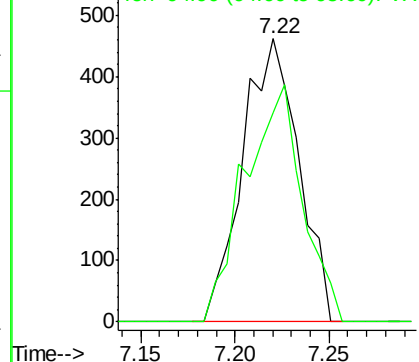


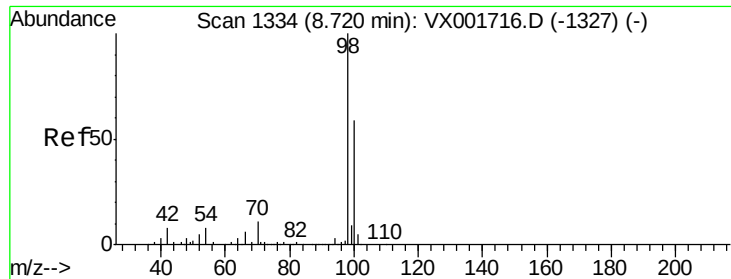
#44
Trichloroethene
Concen: 0.22 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

Tgt Ion:130 Resp: 949
Ion Ratio Lower Upper
130 100
95 74.0 0.0 177.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

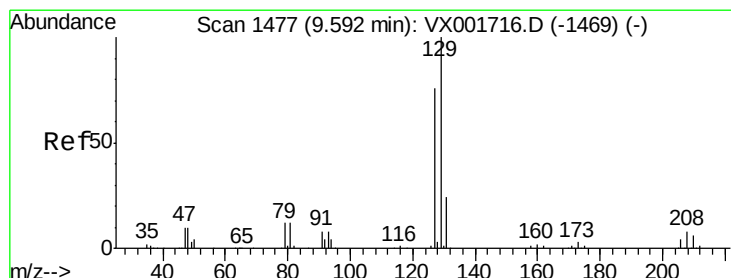
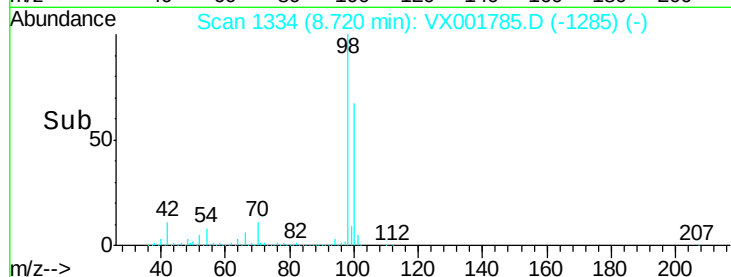
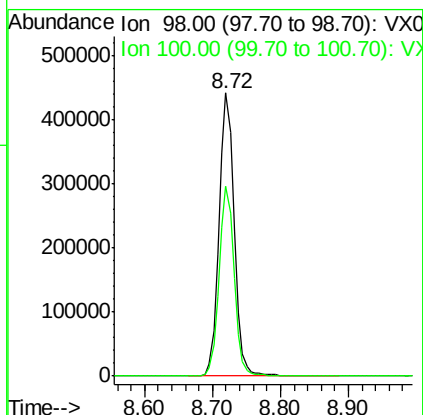
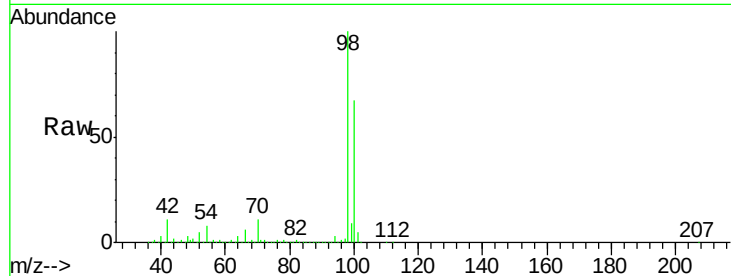




#50
Toluene-d8
Concen: 55.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

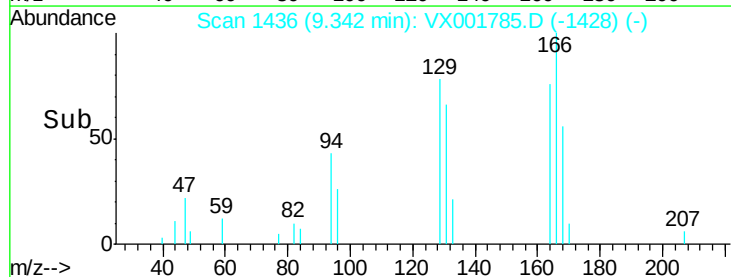
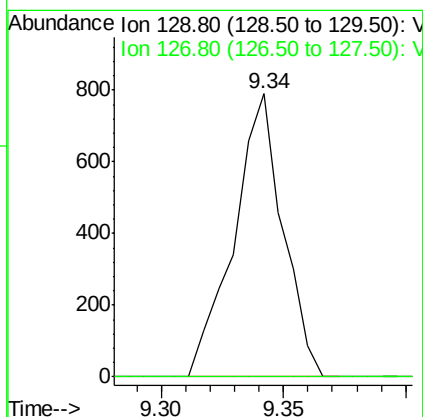
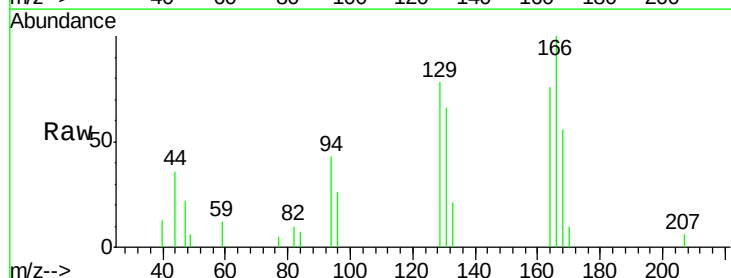
Instrument :
MSVOA_X
ClientSampleId :
KY038PS034-180507

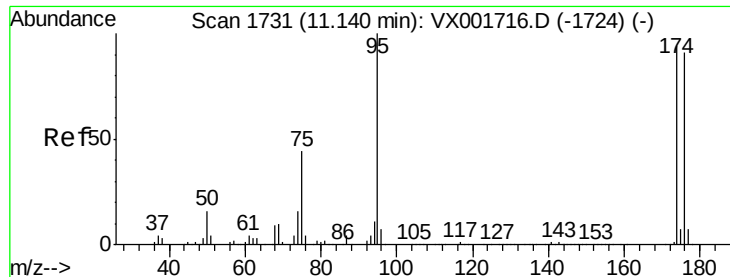
Tgt Ion: 98 Resp: 682594
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0



#60
Dibromochloromethane
Concen: 0.31 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.25 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

Tgt Ion: 129 Resp: 1101
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

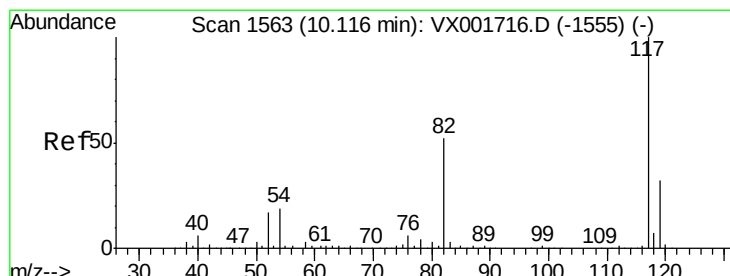
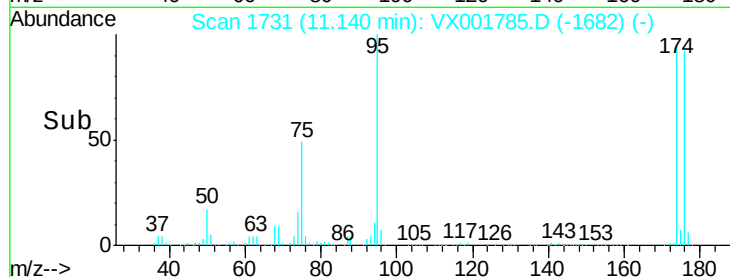
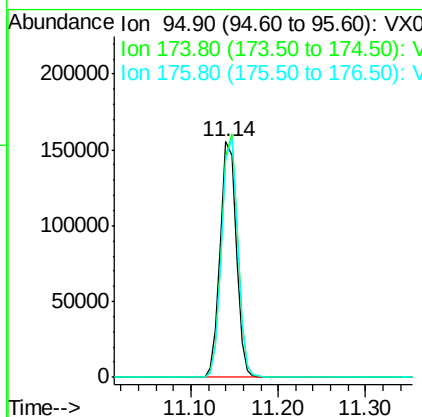
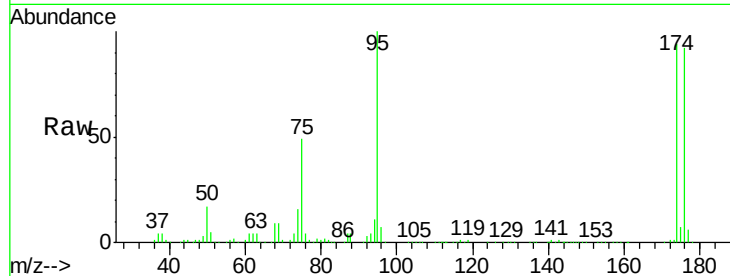




#62
4-Bromofluorobenzene
Concen: 44.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

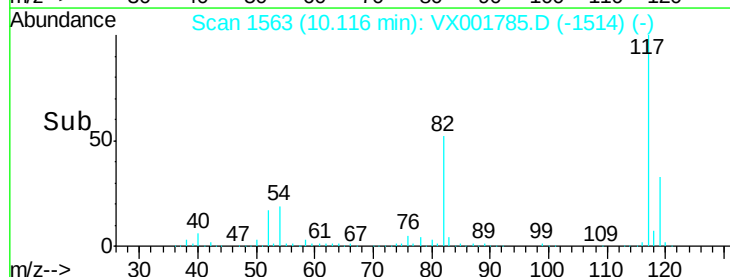
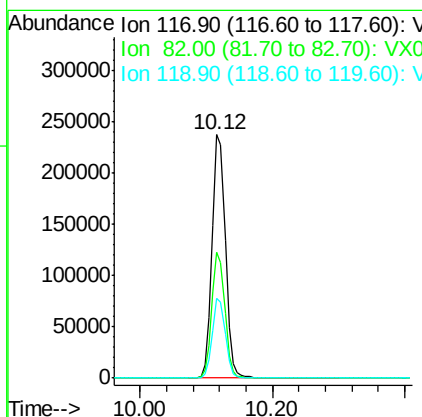
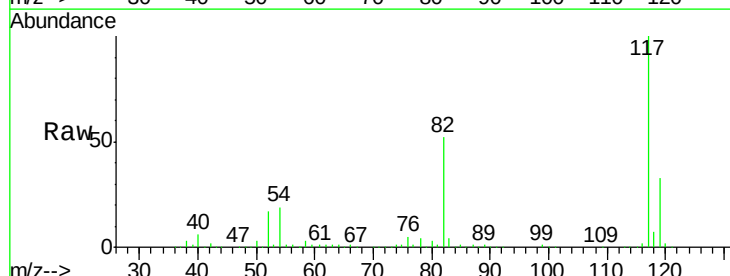
Instrument :
MSVOA_X
ClientSampleId :
KY038PS034-180507

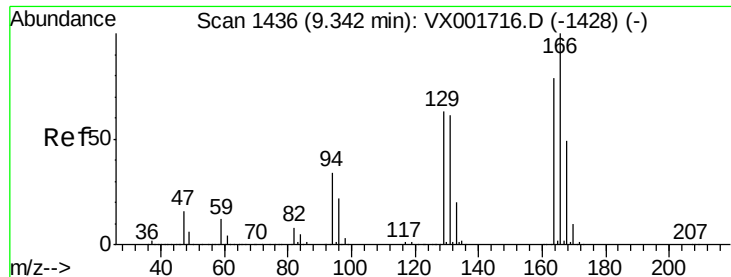
Tgt Ion: 95 Resp: 196959
Ion Ratio Lower Upper
95 100
174 103.0 0.0 201.8
176 101.0 0.0 196.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001785.D
Acq: 17 May 2018 12:52

Tgt Ion: 117 Resp: 328413
Ion Ratio Lower Upper
117 100
82 51.6 41.4 62.2
119 32.6 25.6 38.4





#64

Tetrachloroethene

Concen: 0.29 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

KY038PS034-180507

Tgt Ion:164 Resp: 1261

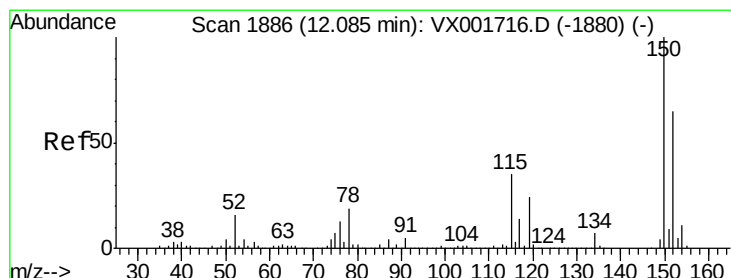
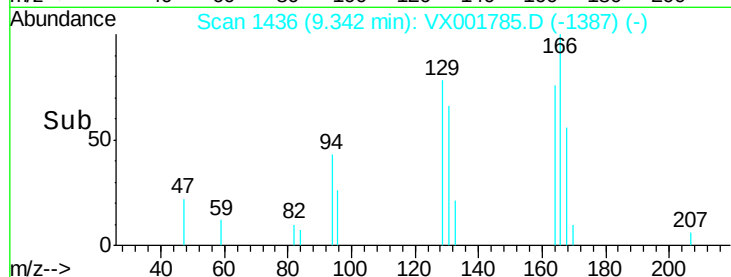
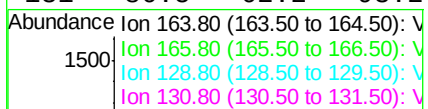
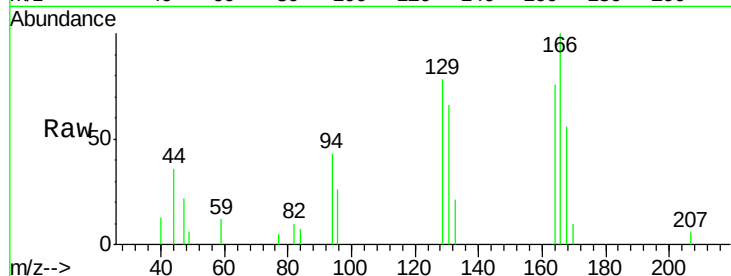
Ion Ratio Lower Upper

164 100

166 131.0 101.8 152.8

129 102.6 63.8 95.6#

131 86.5 62.2 93.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001785.D

Acq: 17 May 2018 12:52

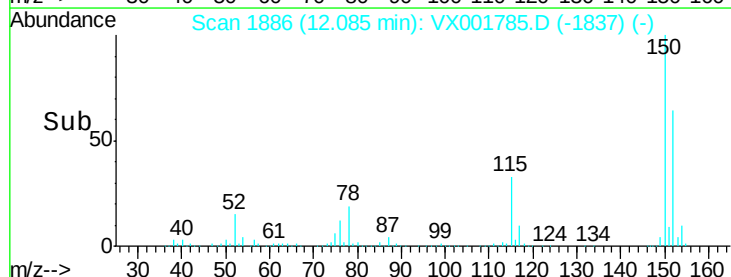
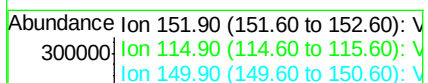
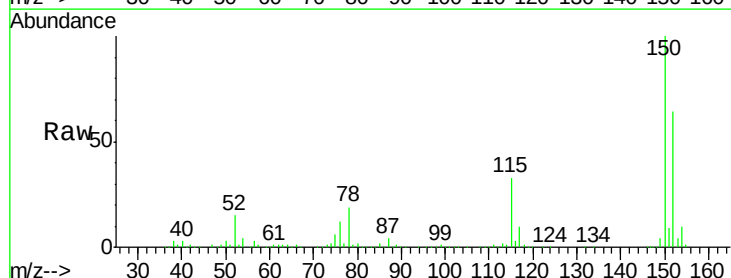
Tgt Ion:152 Resp: 174561

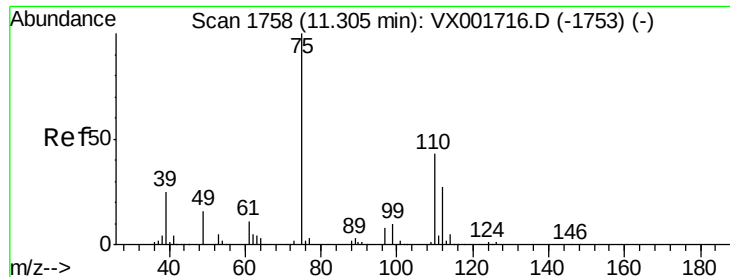
Ion Ratio Lower Upper

152 100

115 51.1 37.4 112.2

150 155.5 0.0 344.8

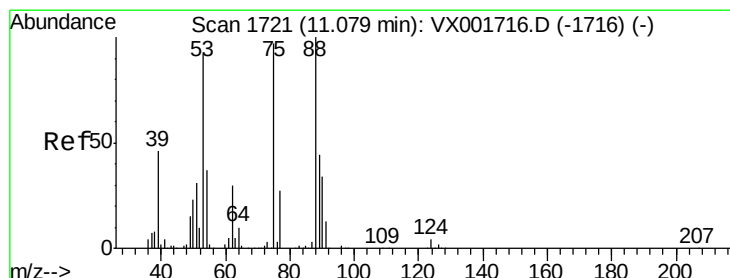
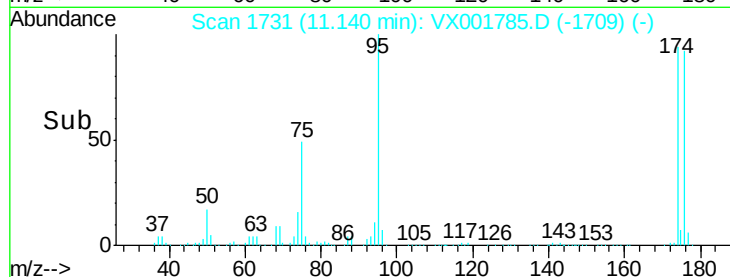
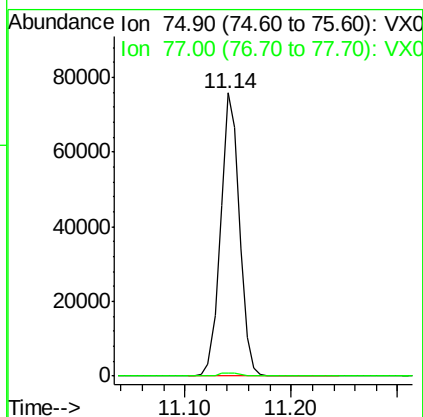
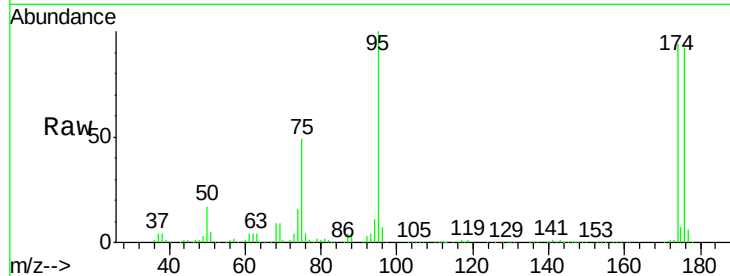




#76
 1,2,3-Trichloropropane
 Concen: 28.27 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001785.D
 Acq: 17 May 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS034-180507

Tgt Ion: 75 Resp: 93829
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.97 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001785.D
 Acq: 17 May 2018 12:52

Tgt Ion: 75 Resp: 93829
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.4 119.2#
 89 0.0 38.8 58.2#

