

Data File : VX001753.D

Acq On : 15 May 2018 18:43

Operator : JC/MD

Sample : J2796-02

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

Quant Time: May 16 04:16:41 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	241122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	141982	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	178233	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
35) Dibromofluoromethane	5.51	113	147543	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	8.72	98	493115	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.15	95	156481	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	601	0.23	ug/l	90
4) Vinyl Chloride	1.40	62	2251	0.80	ug/l #	86
5) Bromomethane	1.66	94	1211	Below Cal	#	74
6) Chloroethane	1.71	64	587	0.33	ug/l #	43
10) Methyl Iodide	2.51	142	1469	0.65	ug/l	98
11) Tert butyl alcohol	3.09	59	988	1.72	ug/l #	83
13) Acrolein	2.30	56	156	0.38	ug/l	96
16) Acetone	2.45	43	6190	4.88	ug/l #	81
21) trans-1,2-Dichloroethene	3.17	96	870	0.33	ug/l #	71
25) 2-Butanone	4.71	43	462	0.24	ug/l #	51
27) cis-1,2-Dichloroethene	4.60	96	198022	66.28	ug/l	91
29) Tetrahydrofuran	5.18	42	5422	4.28	ug/l	98
31) Cyclohexane	5.67	56	3888	0.96	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	1029	0.24	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	14642	3.93	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20676	5.30	ug/l #	16
41) Methacrylonitrile	5.19	41	3551	1.58	ug/l #	51
44) Trichloroethene	7.22	130	27084	7.96	ug/l	99
59) 2-Hexanone	9.32	43	646	0.23	ug/l	64
60) Dibromochloromethane	9.34	129	33224	12.04	ug/l #	11
64) Tetrachloroethene	9.34	164	39299	11.10	ug/l	96
65) Chlorobenzene	10.15	112	3482	0.47	ug/l	91
76) 1,2,3-Trichloropropane	11.15	75	75270	27.88	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	75270	80.89	ug/l #	10

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

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ClientSampleId :

KY038PS027-180507

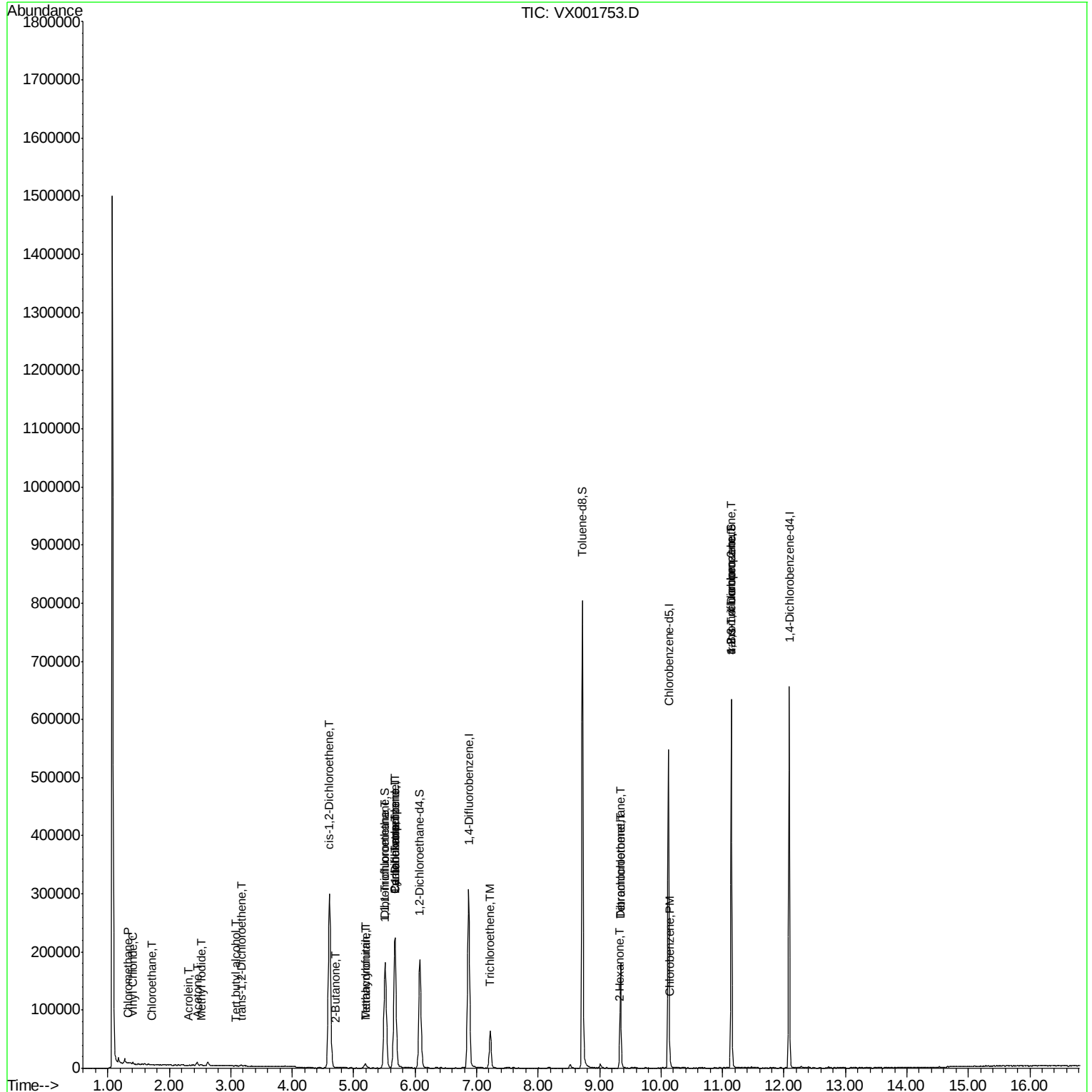
Quant Time: May 16 04:16:41 2018

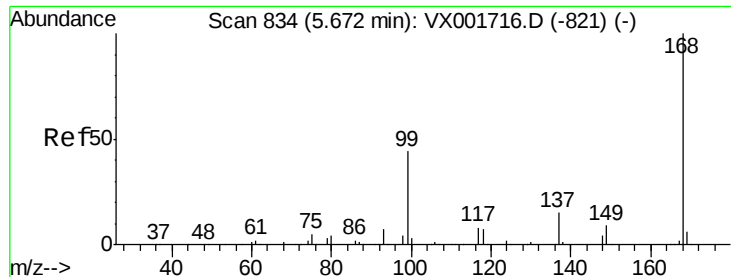
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

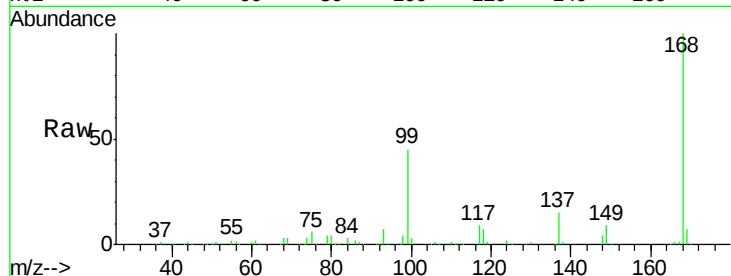
KY038PS027-180507

Tgt Ion:168 Resp: 241122

Ion Ratio Lower Upper

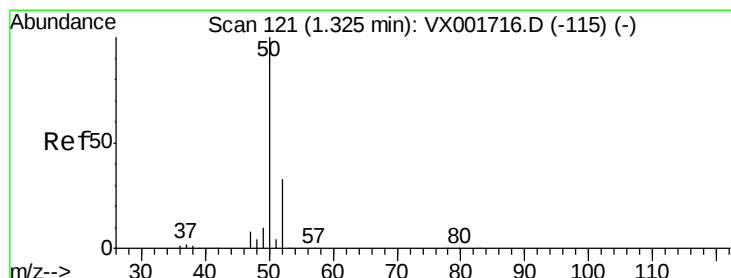
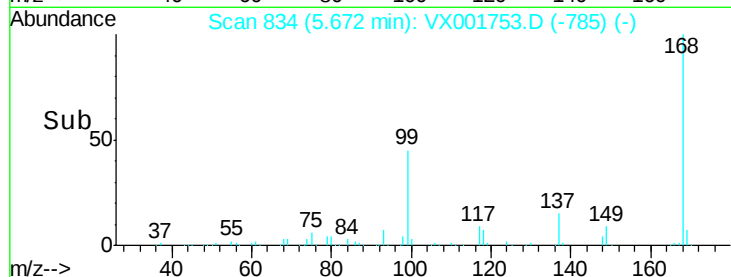
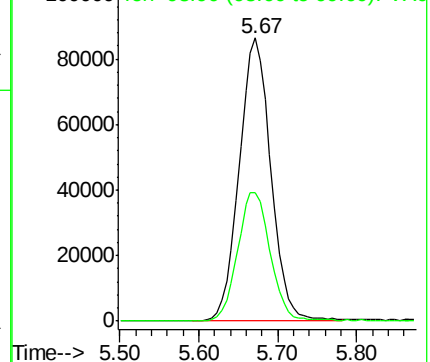
168 100

99 45.5 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001753.D

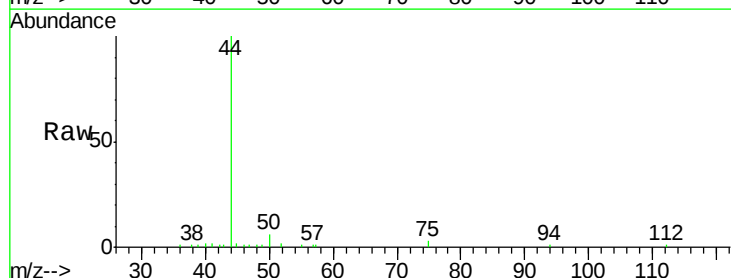
Acq: 15 May 2018 18:43

Tgt Ion: 50 Resp: 601

Ion Ratio Lower Upper

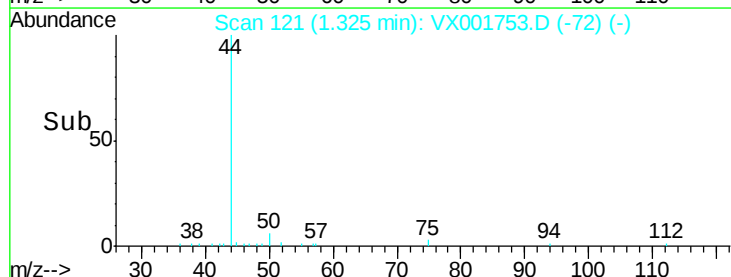
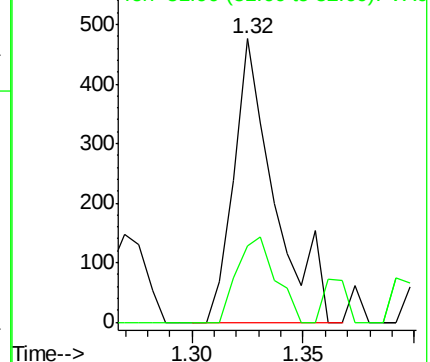
50 100

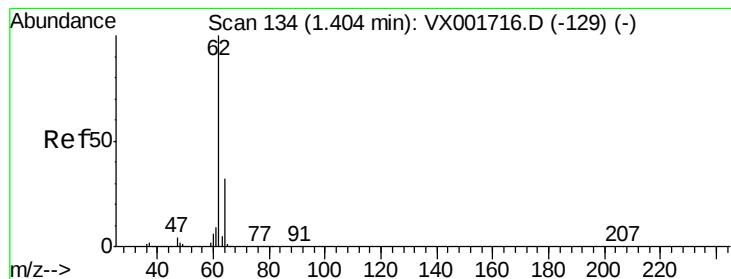
52 27.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

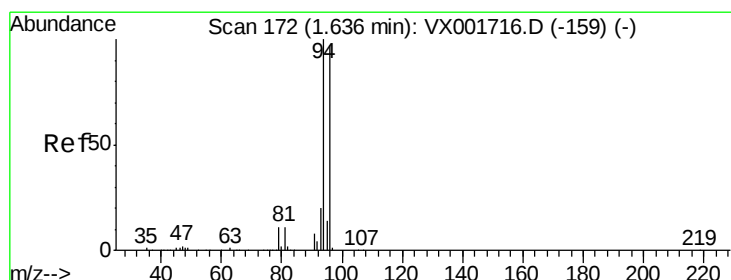
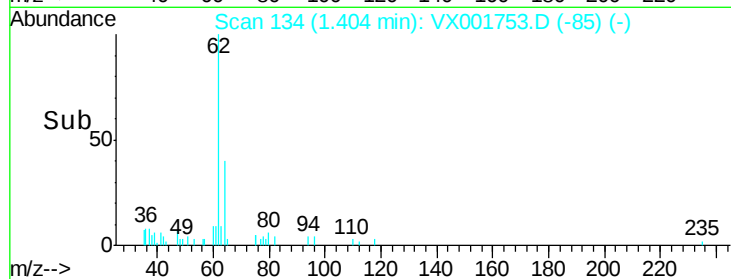
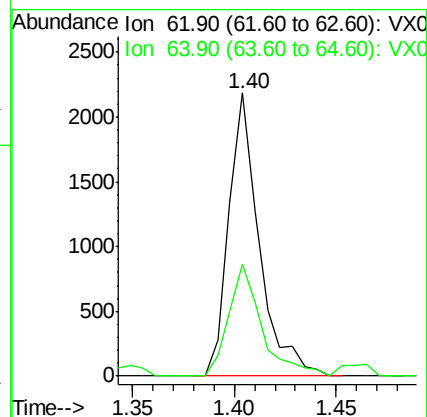
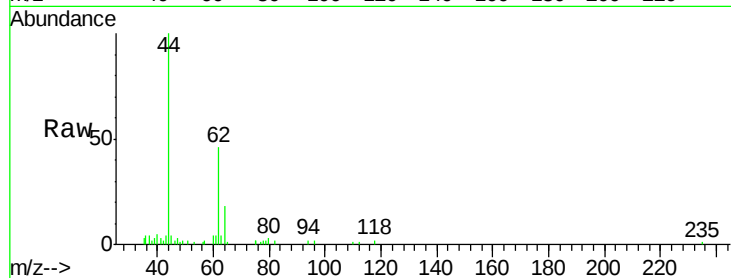
KY038PS027-180507

Tgt Ion: 62 Resp: 2251

Ion Ratio Lower Upper

62 100

64 39.5 25.6 38.4#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001753.D

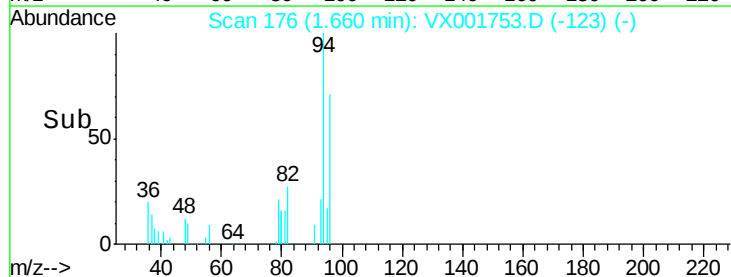
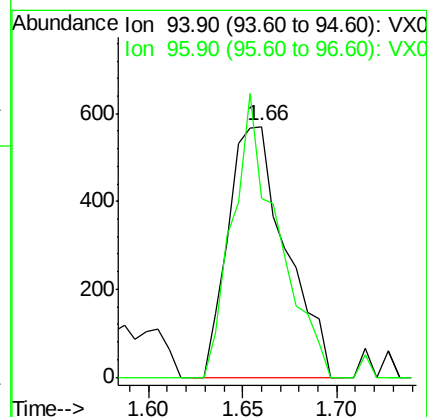
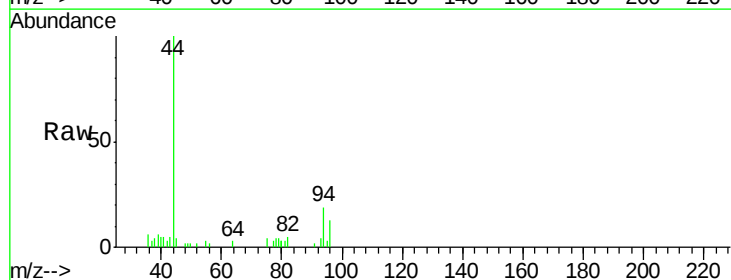
Acq: 15 May 2018 18:43

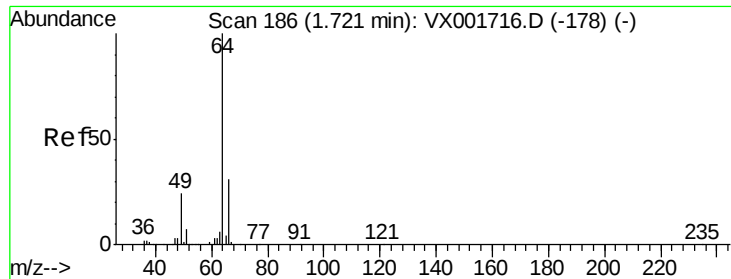
Tgt Ion: 94 Resp: 1211

Ion Ratio Lower Upper

94 100

96 71.2 77.4 116.0#





#6

Chloroethane

Concen: 0.33 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

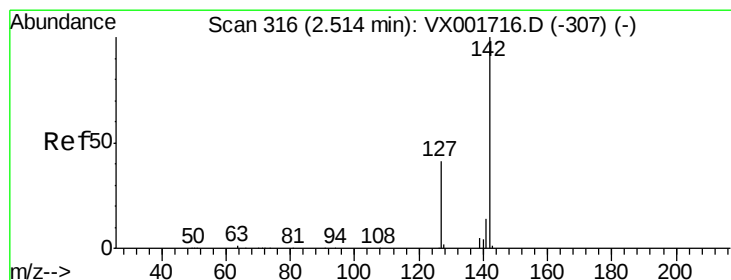
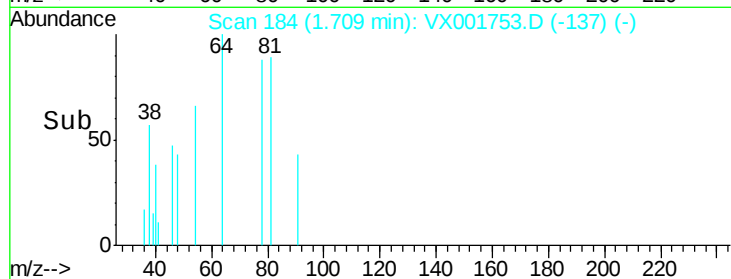
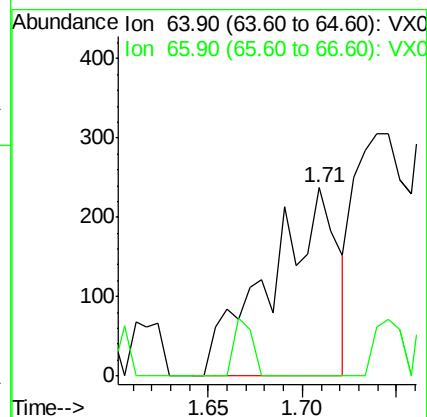
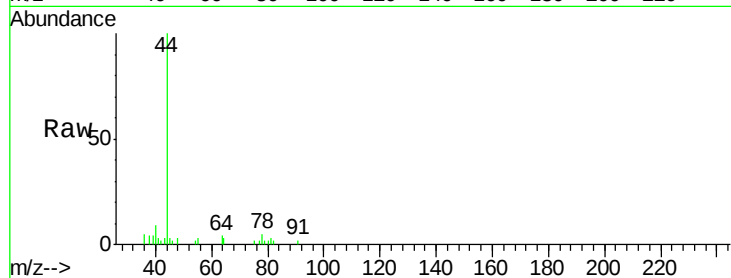
KY038PS027-180507

Tgt Ion: 64 Resp: 587

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#10

Methyl Iodide

Concen: 0.65 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

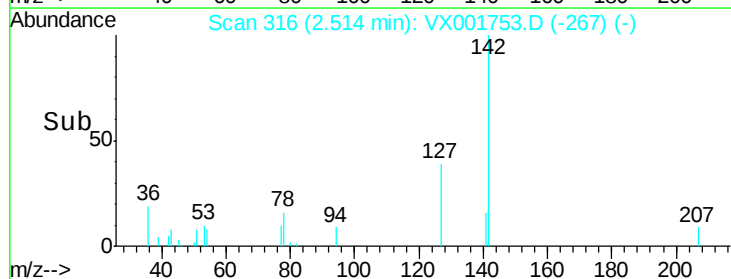
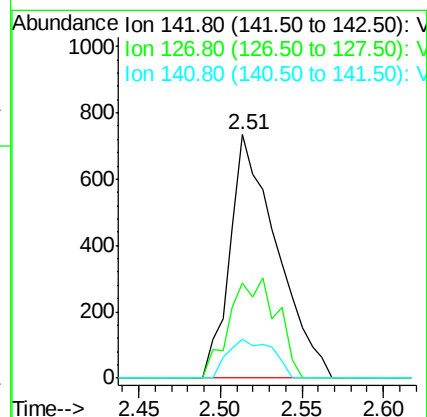
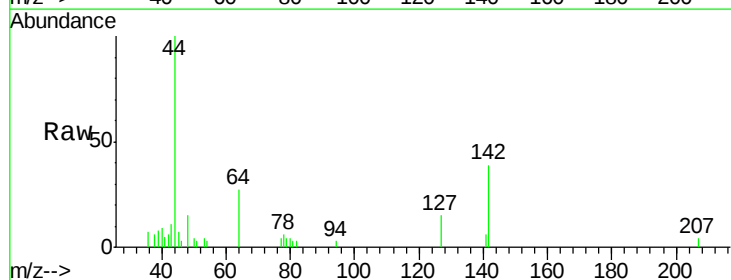
Tgt Ion: 142 Resp: 1469

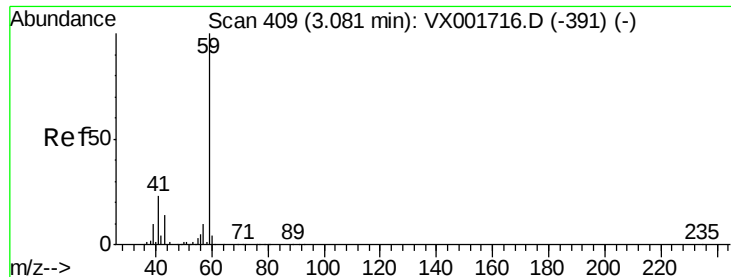
Ion Ratio Lower Upper

142 100

127 41.5 32.5 48.7

141 15.3 11.4 17.0

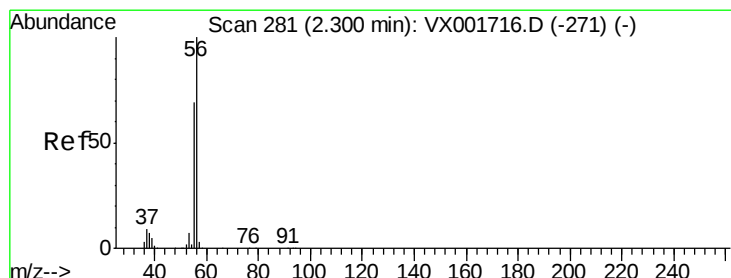
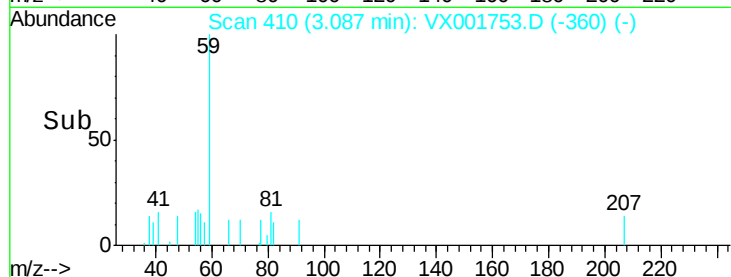
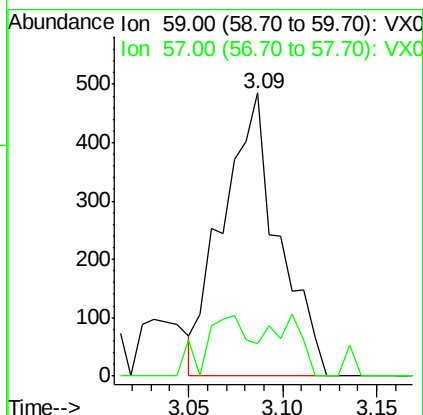
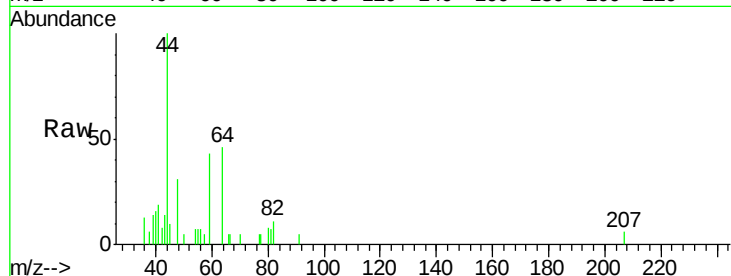




#11
Tert butyl alcohol
Concen: 1.72 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001753.D
Acq: 15 May 2018 18:43

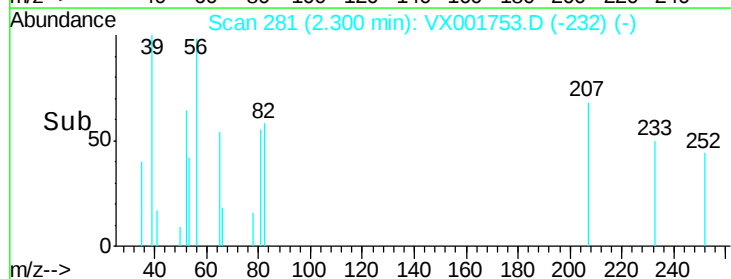
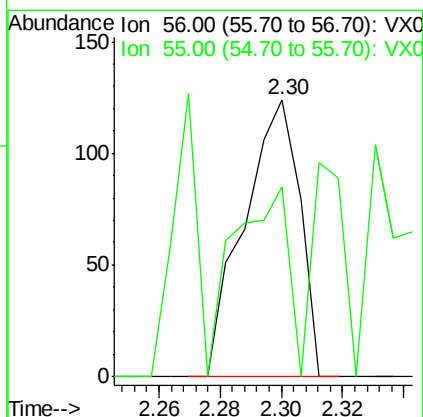
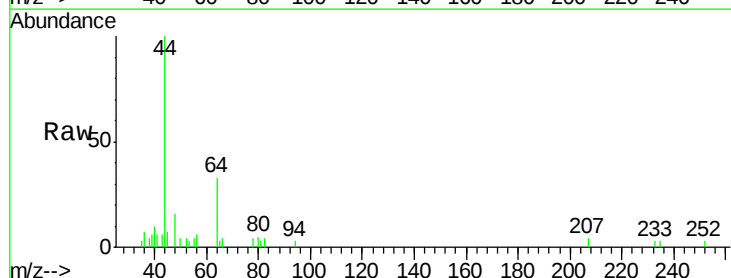
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-180507

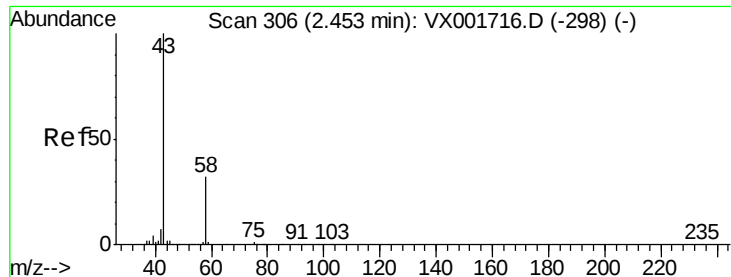
Tgt Ion: 59 Resp: 988
Ion Ratio Lower Upper
59 100
57 17.1 8.5 12.7#



#13
Acrolein
Concen: 0.38 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX001753.D
Acq: 15 May 2018 18:43

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 66.7 56.2 84.2





#16

Acetone

Concen: 4.88 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

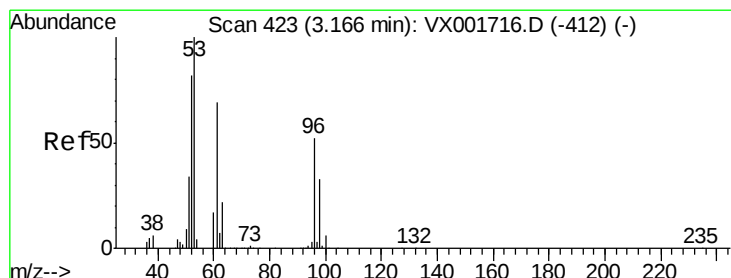
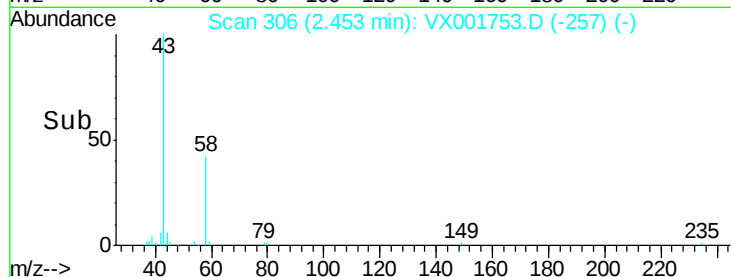
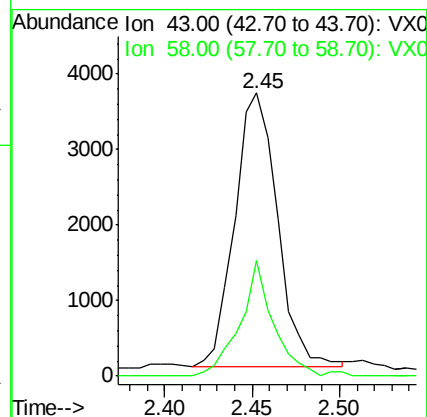
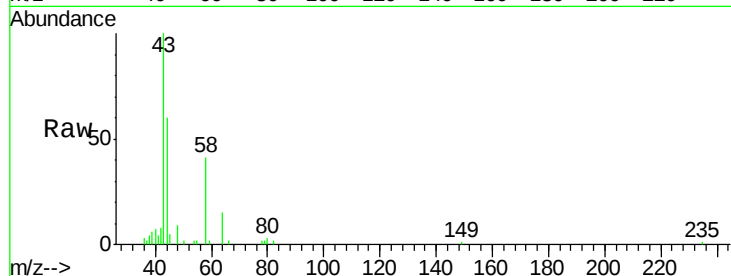
KY038PS027-180507

Tgt Ion: 43 Resp: 6190

Ion Ratio Lower Upper

43 100

58 42.3 25.3 37.9#



#21

trans-1,2-Dichloroethene

Concen: 0.33 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

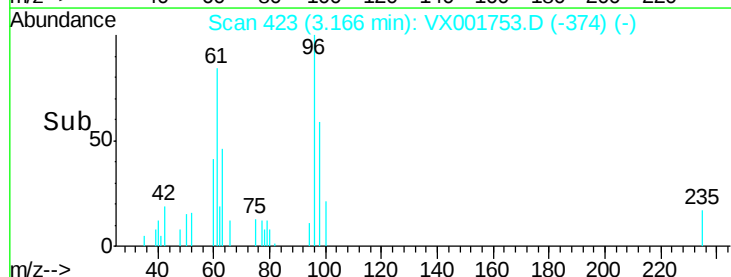
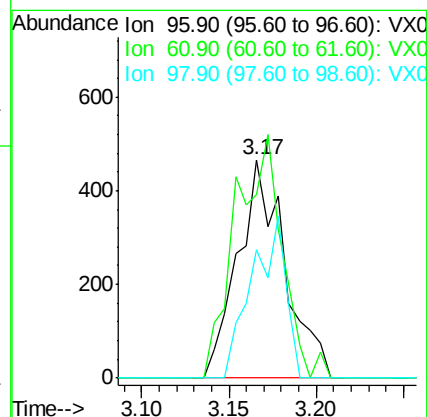
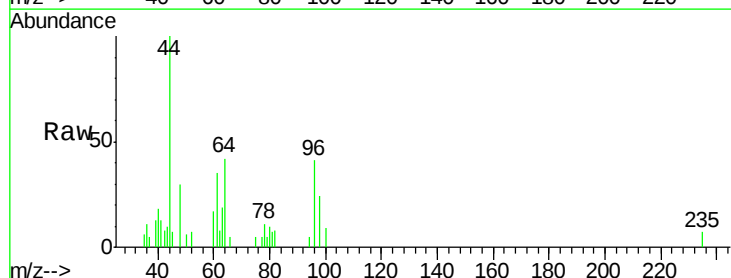
Tgt Ion: 96 Resp: 870

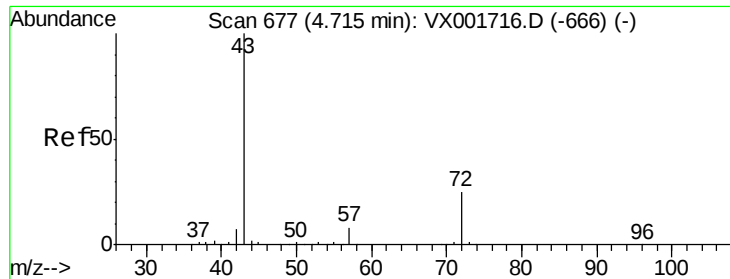
Ion Ratio Lower Upper

96 100

61 84.1 105.8 158.8#

98 59.0 50.2 75.4





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

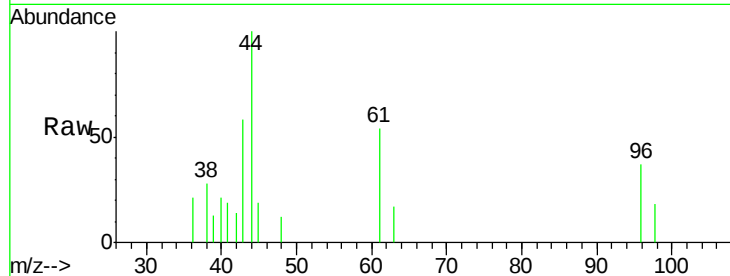
KY038PS027-180507

Tgt Ion: 43 Resp: 462

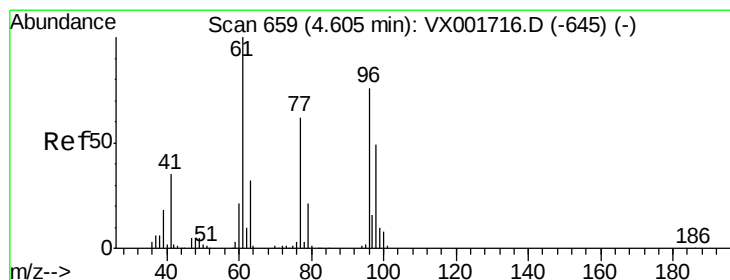
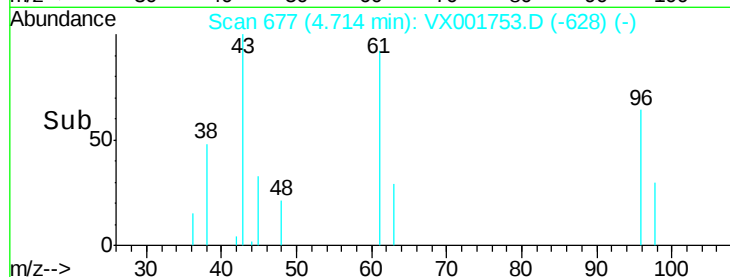
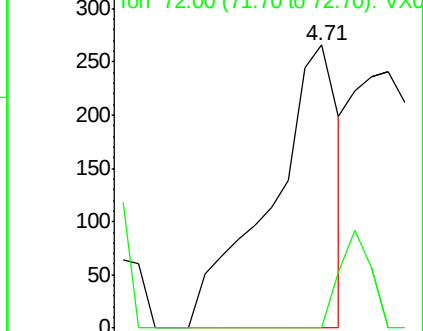
Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 66.28 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

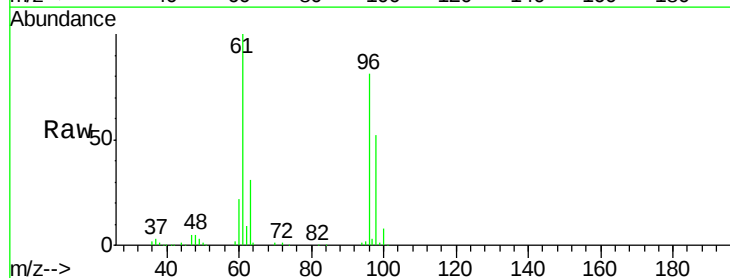
Tgt Ion: 96 Resp: 198022

Ion Ratio Lower Upper

96 100

61 125.2 0.0 280.4

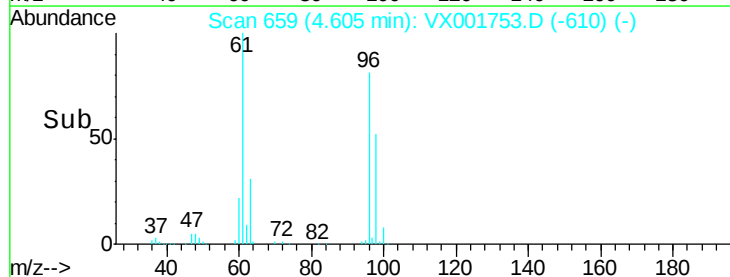
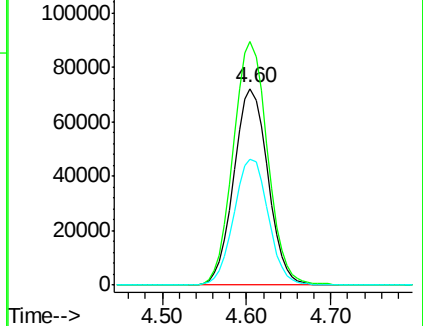
98 64.8 0.0 128.4

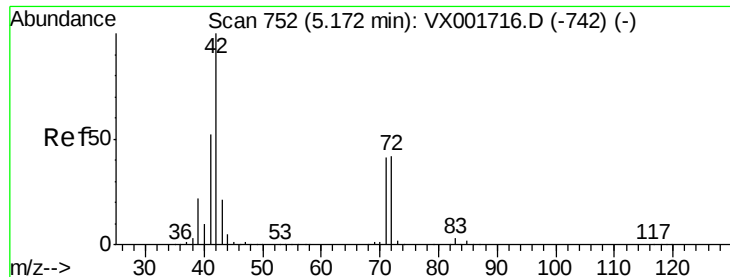


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 4.28 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

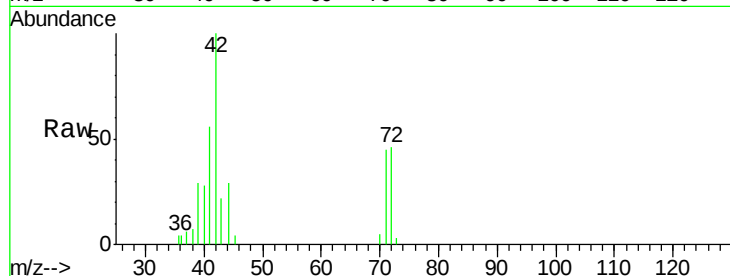
Tgt Ion: 42 Resp: 5422

Ion Ratio Lower Upper

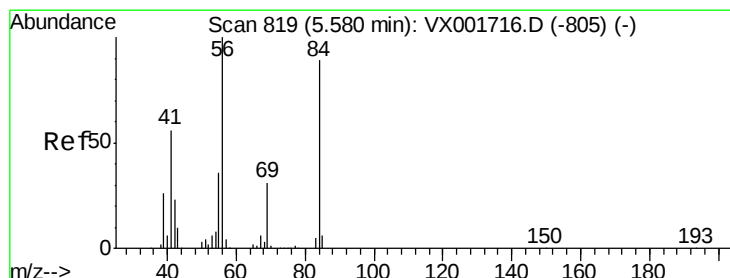
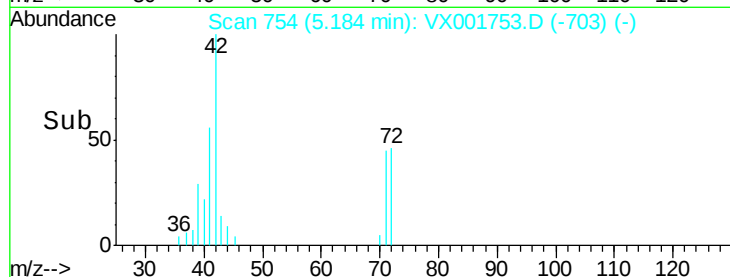
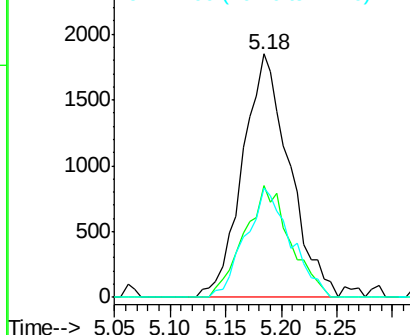
42 100

72 44.8 35.4 53.2

71 43.1 33.2 49.8



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



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

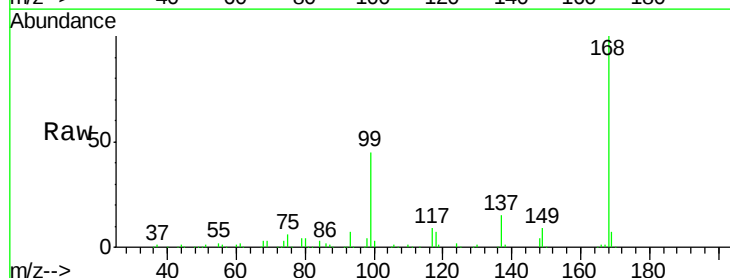
Tgt Ion: 56 Resp: 3888

Ion Ratio Lower Upper

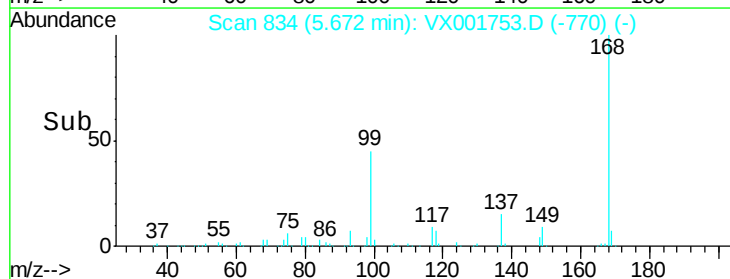
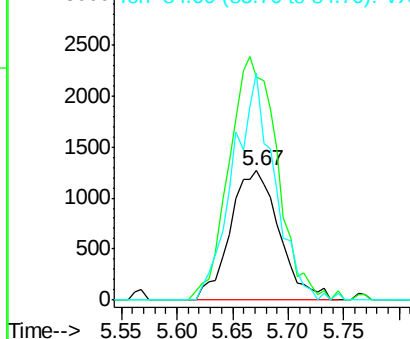
56 100

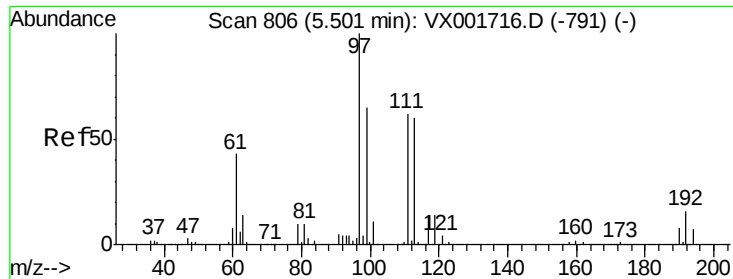
69 172.1 25.0 37.6#

84 175.7 71.0 106.4#



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





#32

1,1,1-Trichloroethane

Concen: 0.24 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

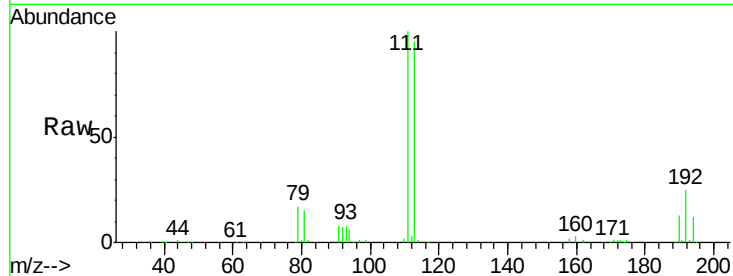
Tgt Ion: 97 Resp: 1029

Ion Ratio Lower Upper

97 100

99 0.0 51.3 76.9#

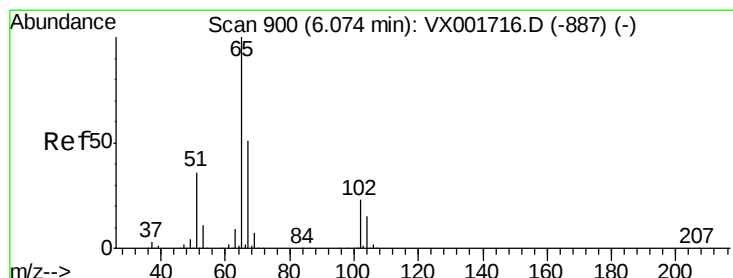
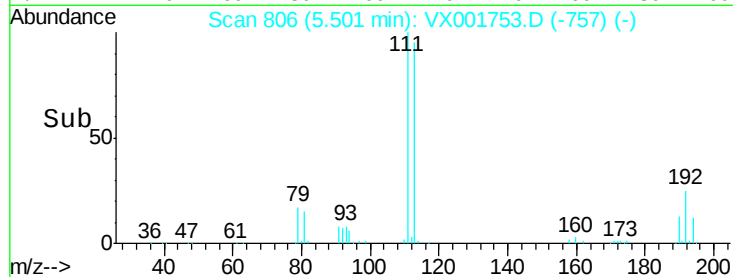
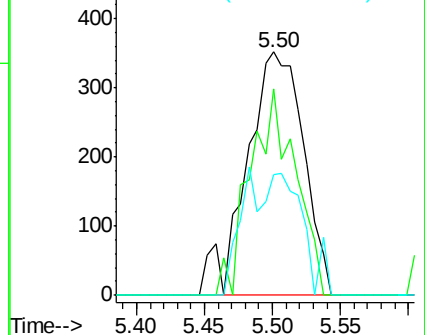
61 29.3 34.0 51.0#



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.15 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001753.D

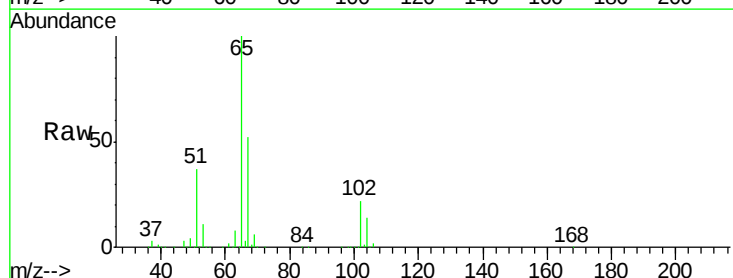
Acq: 15 May 2018 18:43

Tgt Ion: 65 Resp: 178233

Ion Ratio Lower Upper

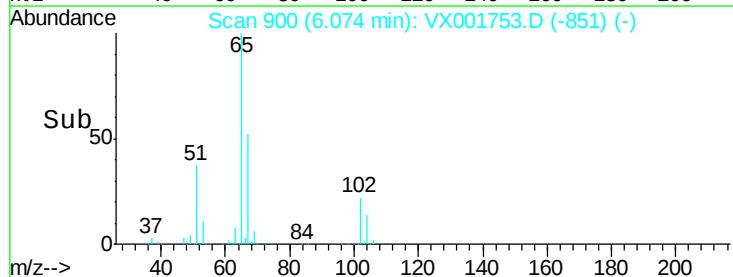
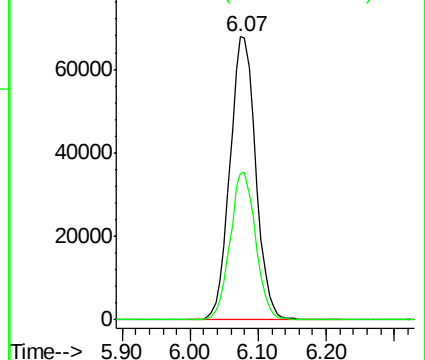
65 100

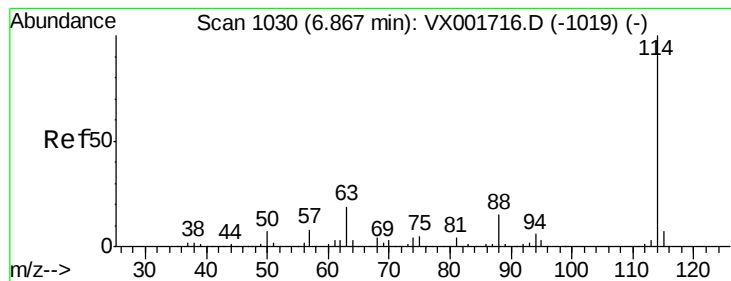
67 51.7 0.0 102.8



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: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

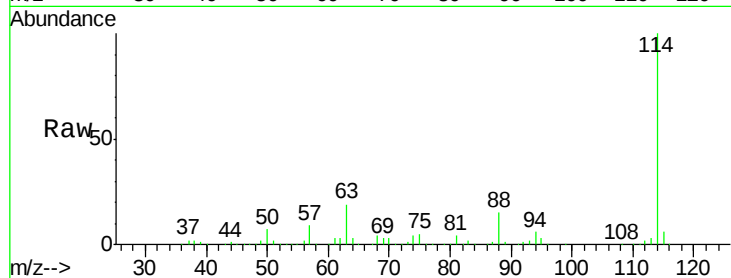
Tgt Ion:114 Resp: 323338

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

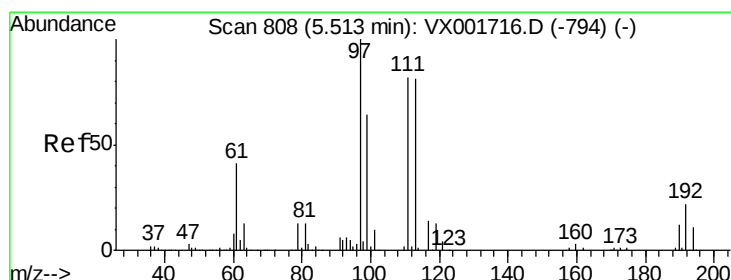
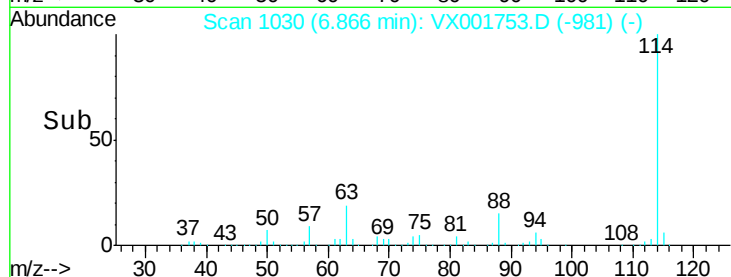
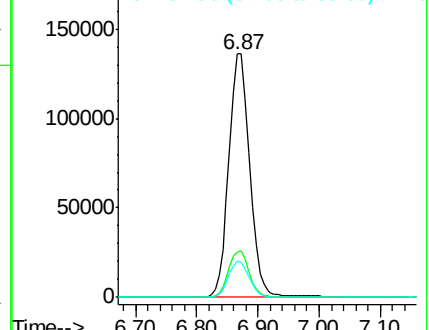
88 14.9 0.0 29.8



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: 54.07 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

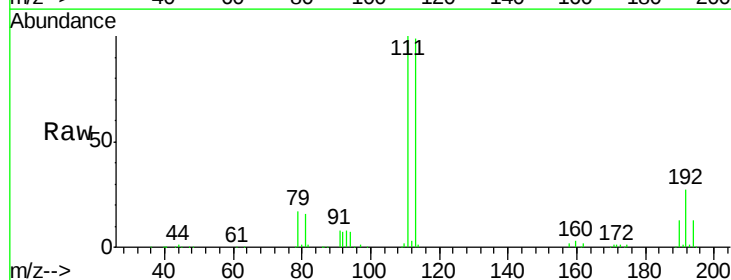
Tgt Ion:113 Resp: 147543

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

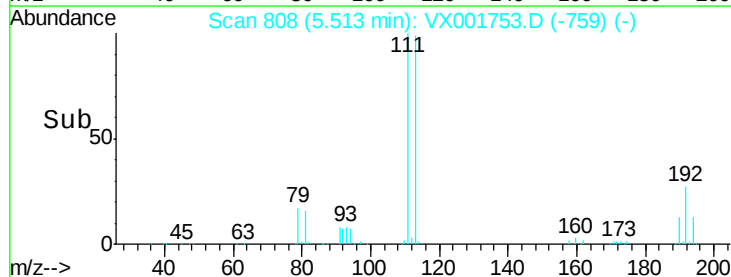
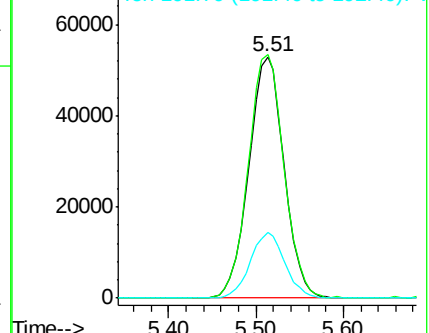
192 26.7 21.6 32.4

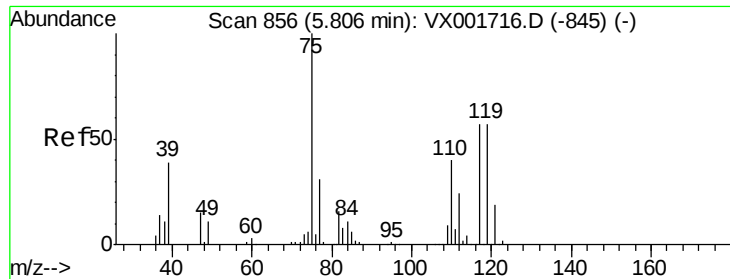


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

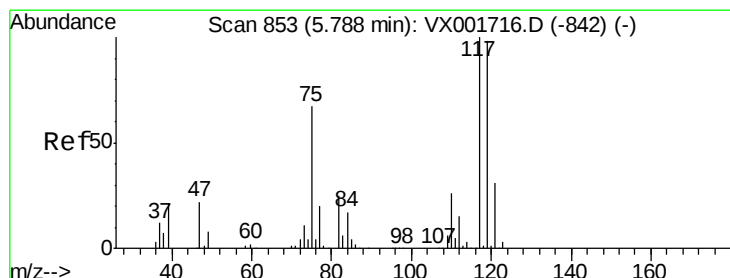
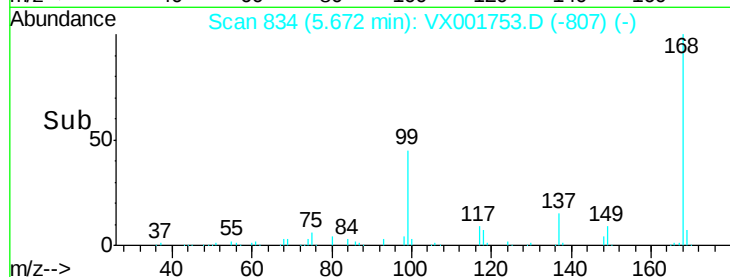
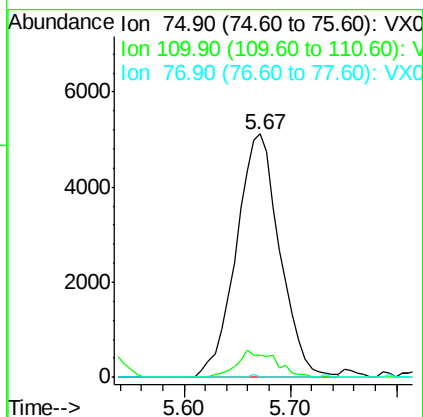
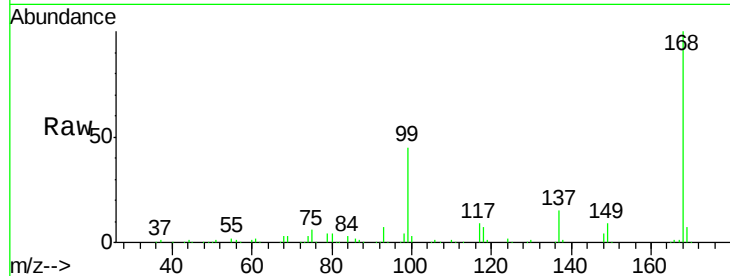




#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001753.D
 Acq: 15 May 2018 18:43

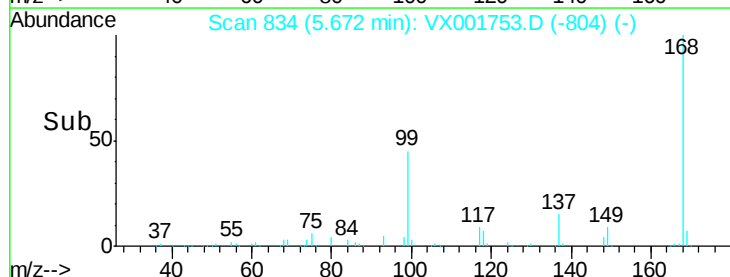
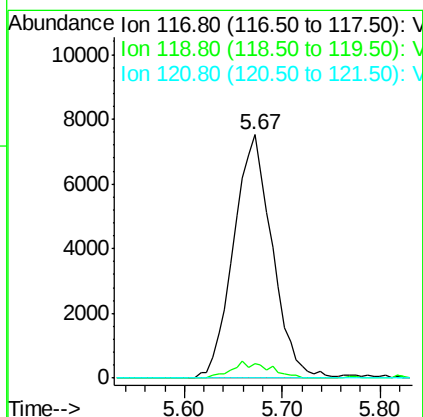
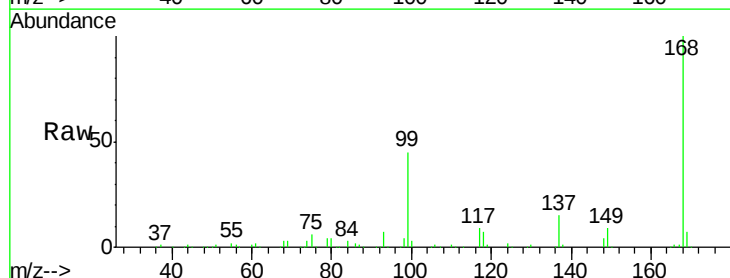
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS027-180507

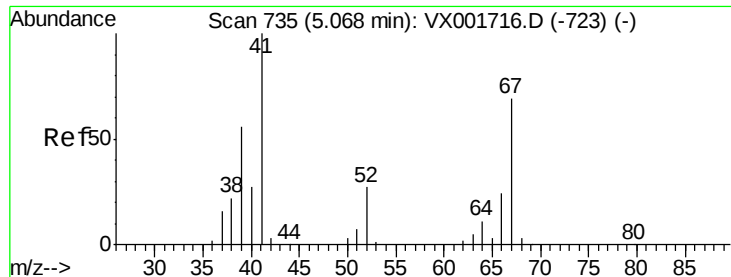
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.1#
77	0.2	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.30 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001753.D
 Acq: 15 May 2018 18:43

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





#41

Methacrylonitrile

Concen: 1.58 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.12 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

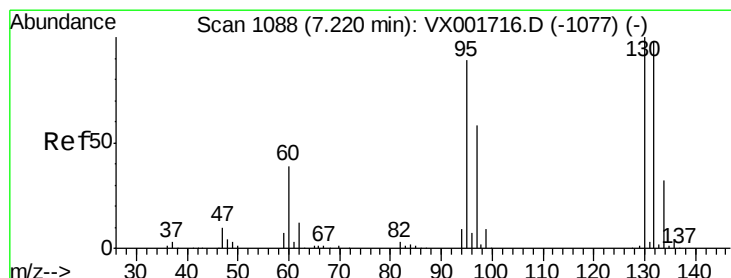
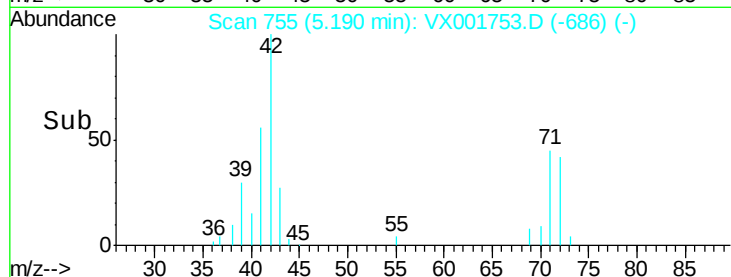
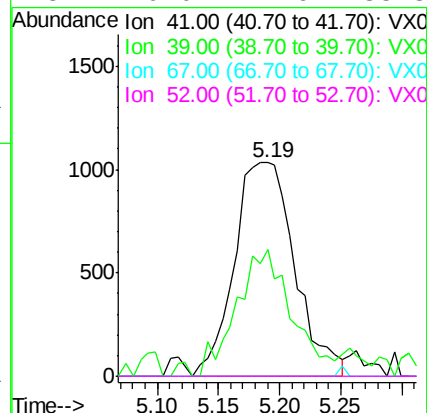
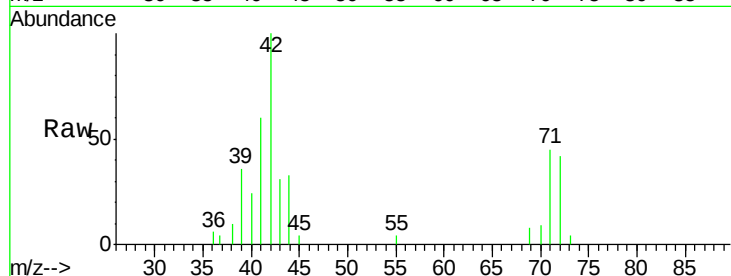
Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

Tgt Ion:	41	Resp:	3551
Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.2	66.4
67	0.0	56.0	84.0#
52	0.0	22.6	33.8#



#44

Trichloroethene

Concen: 7.96 ug/l

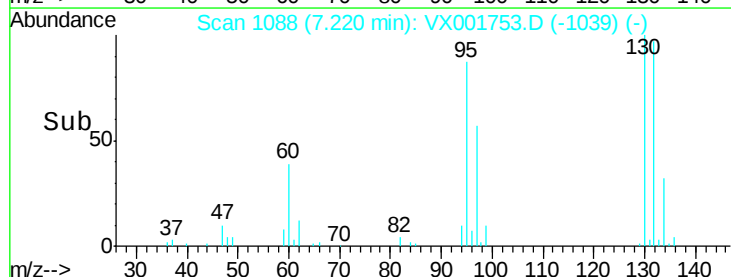
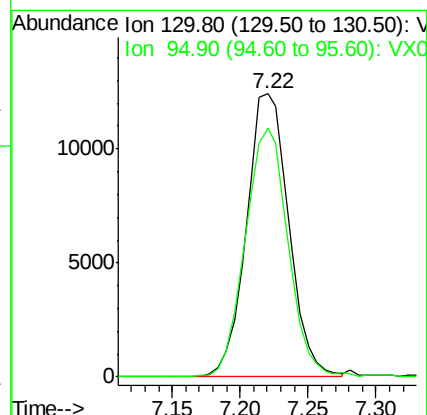
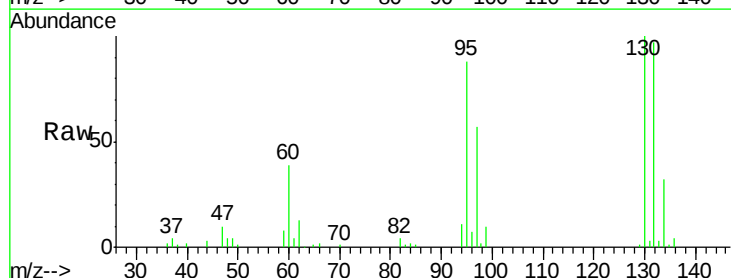
RT: 7.22 min Scan# 1088

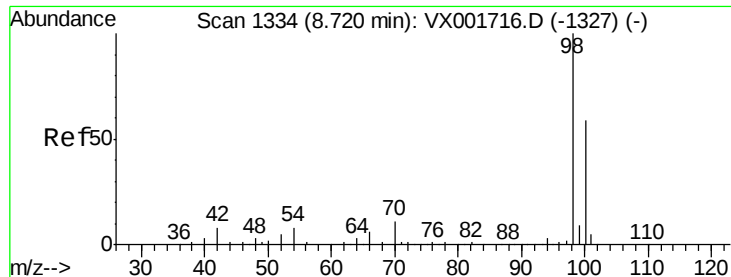
Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Tgt Ion:	130	Resp:	27084
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	177.2

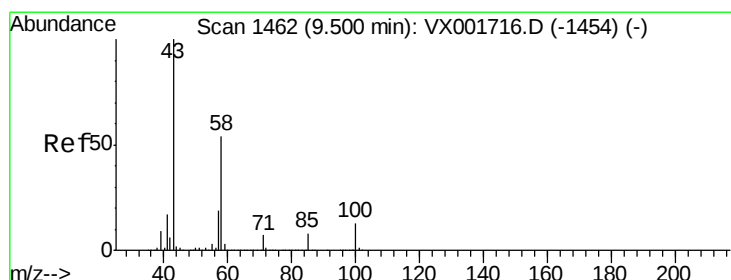
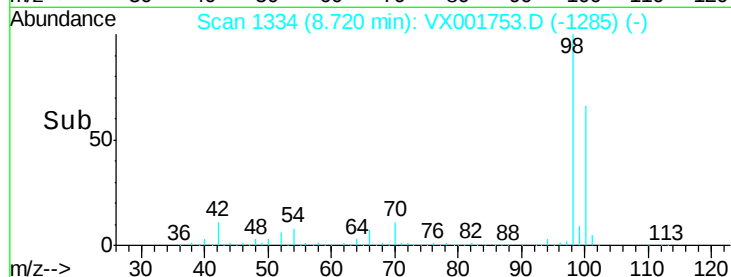
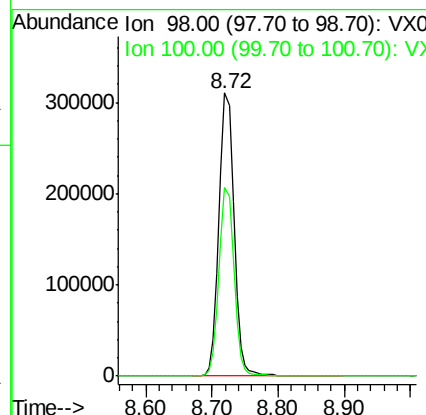
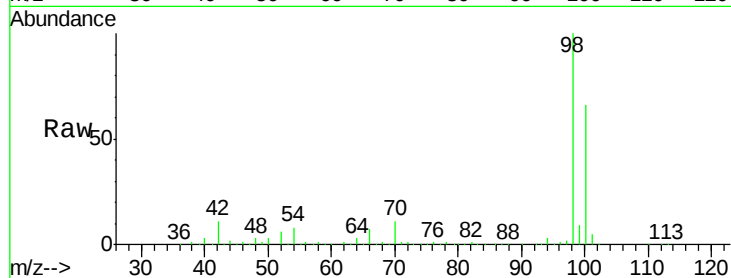




#50
Toluene-d8
Concen: 50.46 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001753.D
Acq: 15 May 2018 18:43

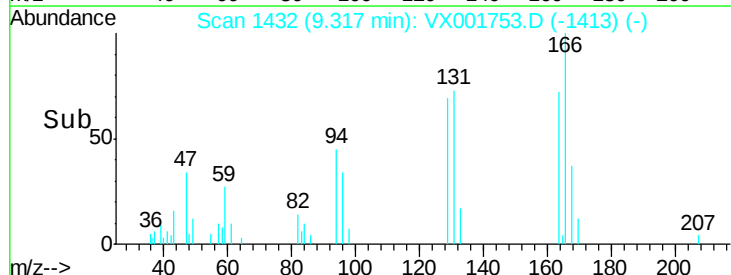
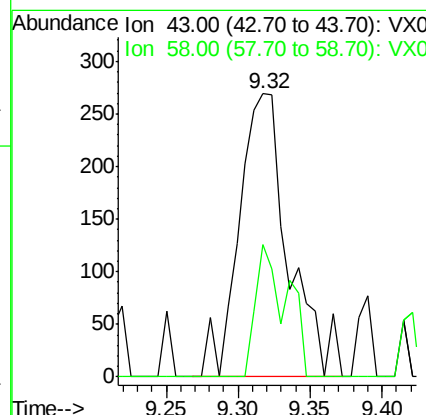
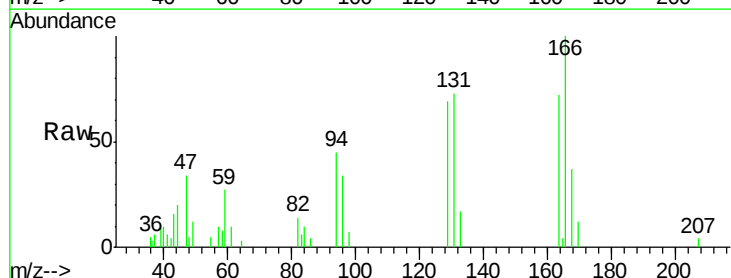
Instrument :
MSVOA_X
ClientSampleId :
KY038PS027-180507

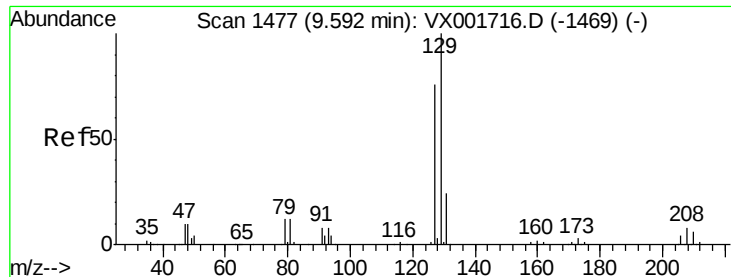
Tgt Ion: 98 Resp: 493115
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0



#59
2-Hexanone
Concen: 0.23 ug/l
RT: 9.32 min Scan# 1432
Delta R.T. -0.18 min
Lab File: VX001753.D
Acq: 15 May 2018 18:43

Tgt Ion: 43 Resp: 646
Ion Ratio Lower Upper
43 100
58 29.1 27.7 83.1





#60

Dibromochloromethane

Concen: 12.04 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

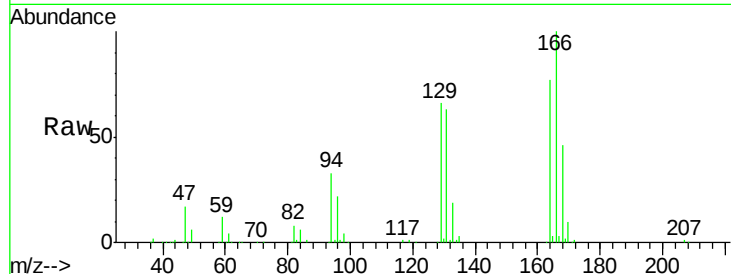
KY038PS027-180507

Tgt Ion:129 Resp: 33224

Ion Ratio Lower Upper

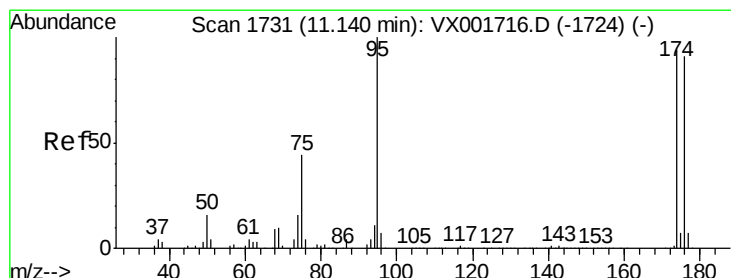
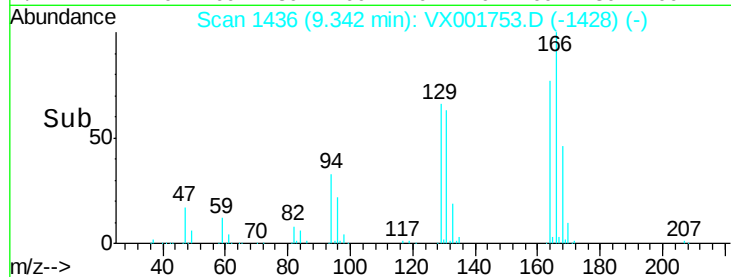
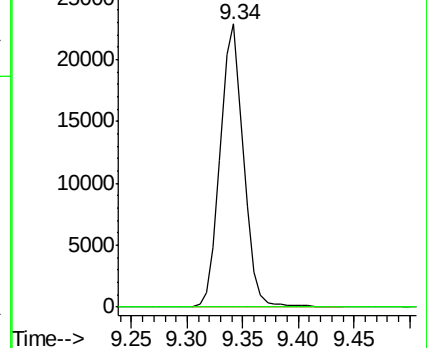
129 100

127 0.1 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

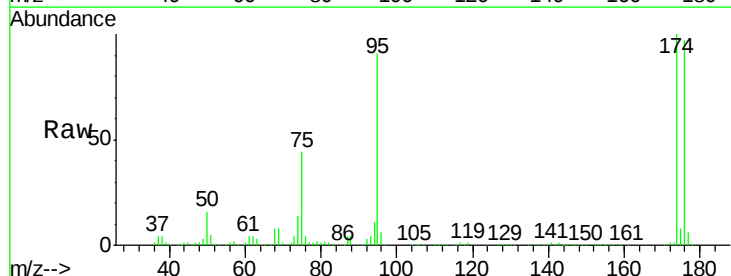
Tgt Ion: 95 Resp: 156481

Ion Ratio Lower Upper

95 100

174 103.0 0.0 201.8

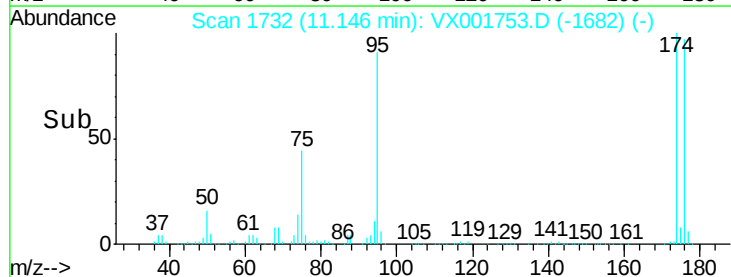
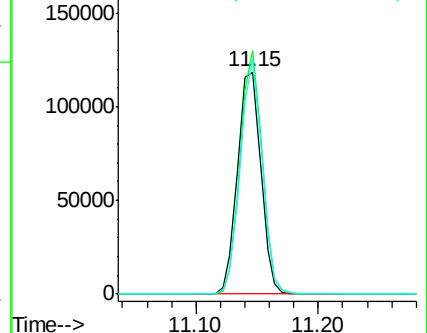
176 98.9 0.0 196.8

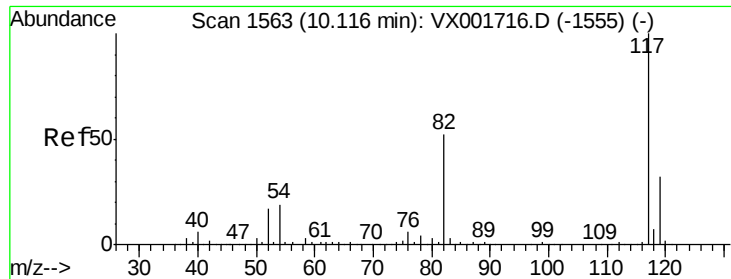


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1564

Delta R.T. 0.01 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY038PS027-180507

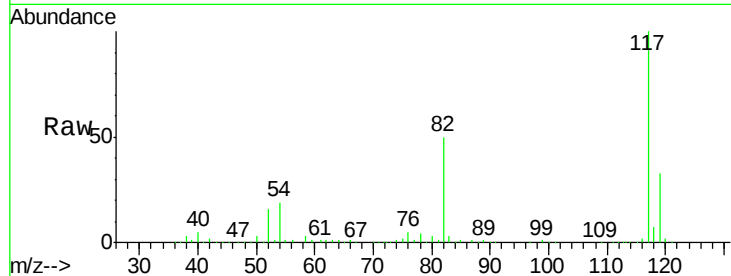
Tgt Ion:117 Resp: 272082

Ion Ratio Lower Upper

117 100

82 49.5 41.4 62.2

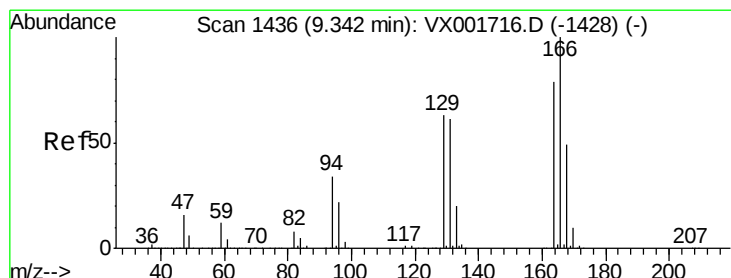
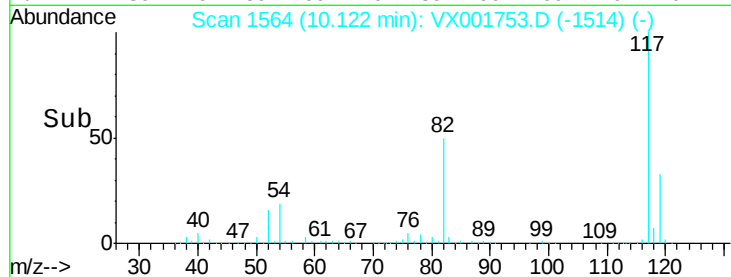
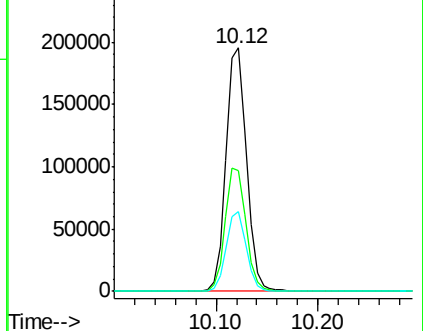
119 32.8 25.6 38.4



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



#64

Tetrachloroethene

Concen: 11.10 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Tgt Ion:164 Resp: 39299

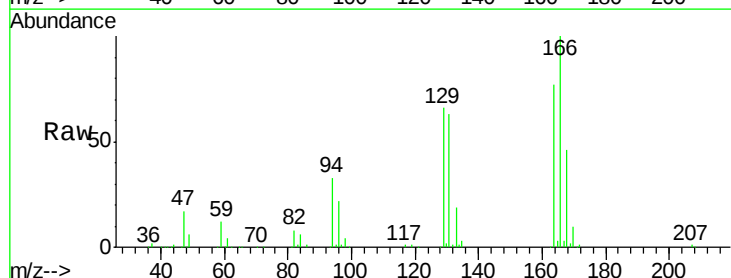
Ion Ratio Lower Upper

164 100

166 129.2 101.8 152.8

129 85.0 63.8 95.6

131 81.3 62.2 93.2

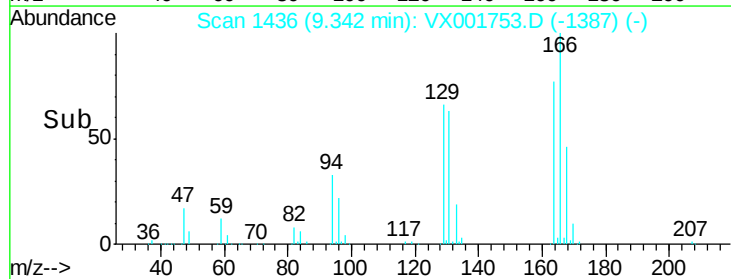
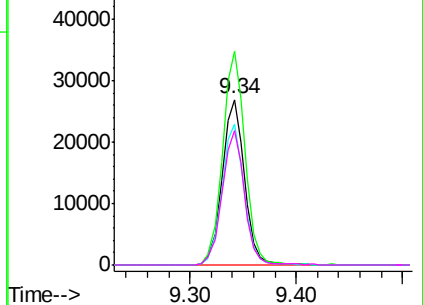


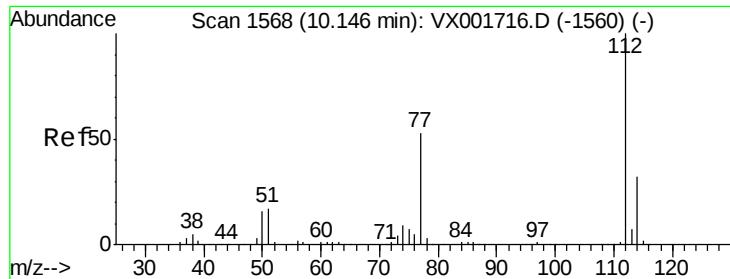
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.47 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

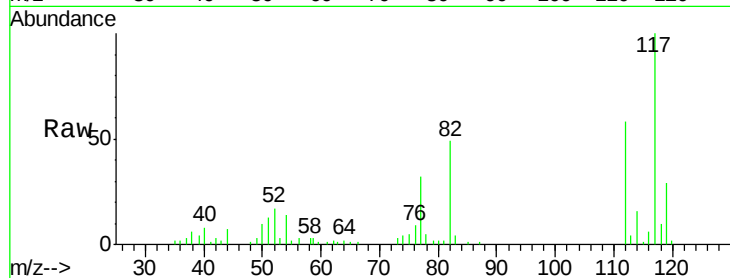
KY038PS027-180507

Tgt Ion:112 Resp: 3482

Ion Ratio Lower Upper

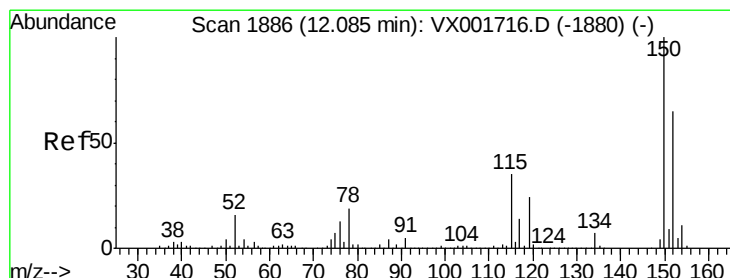
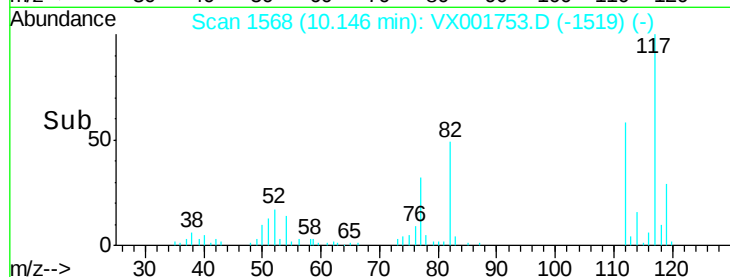
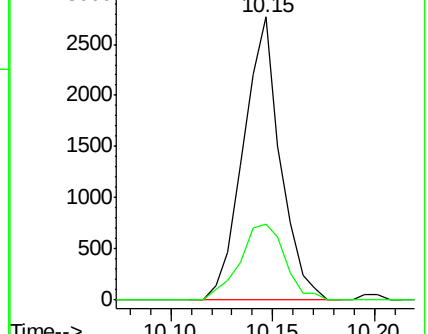
112 100

114 27.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

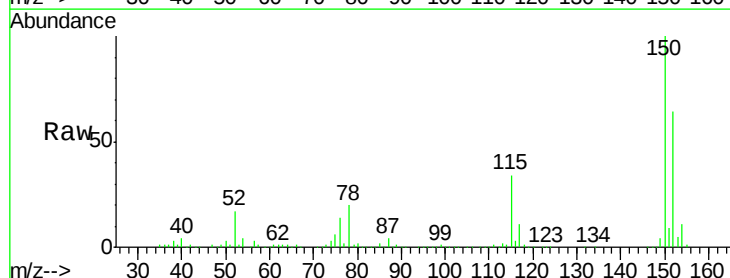
Tgt Ion:152 Resp: 141982

Ion Ratio Lower Upper

152 100

115 52.5 37.4 112.2

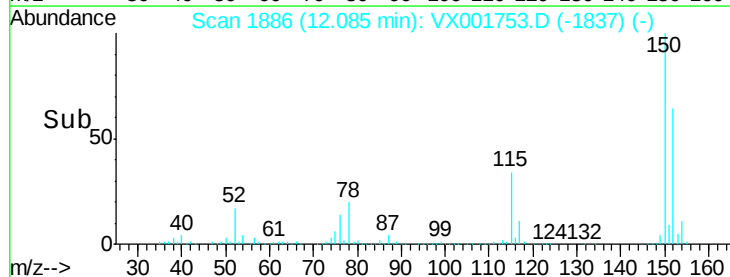
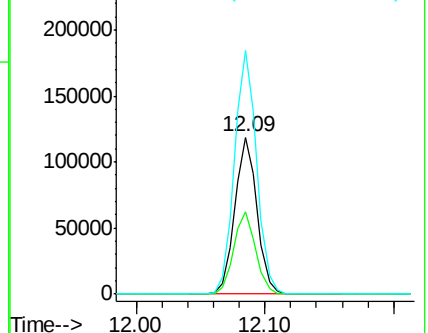
150 156.7 0.0 344.8

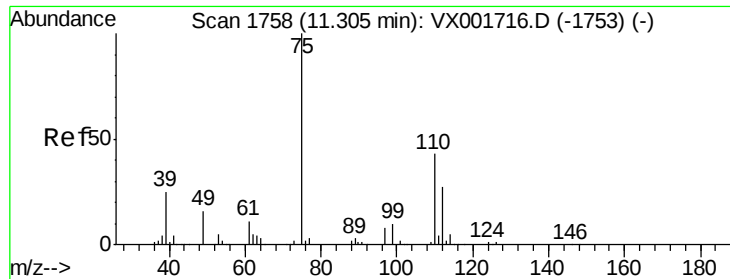


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

Instrument :

MSVOA_X

ClientSampleId :

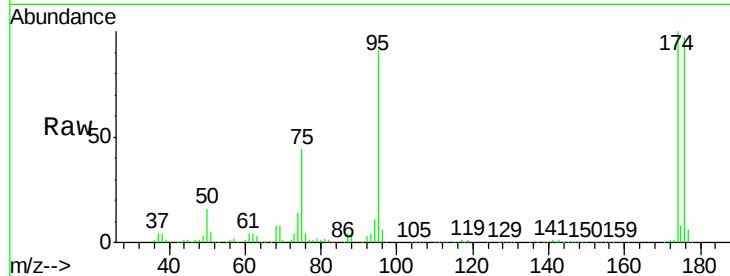
KY038PS027-180507

Tgt Ion: 75 Resp: 75270

Ion Ratio Lower Upper

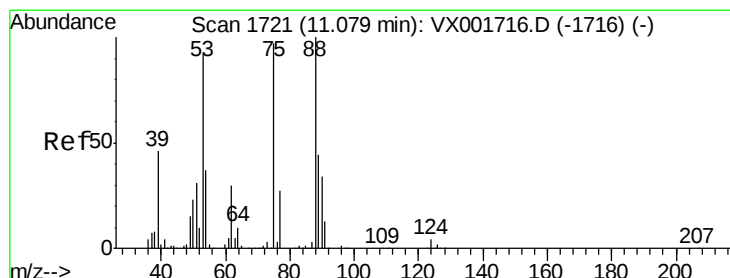
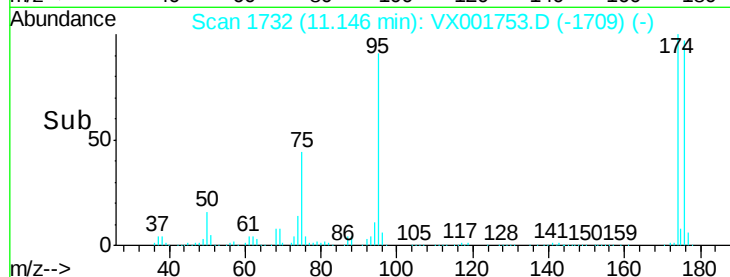
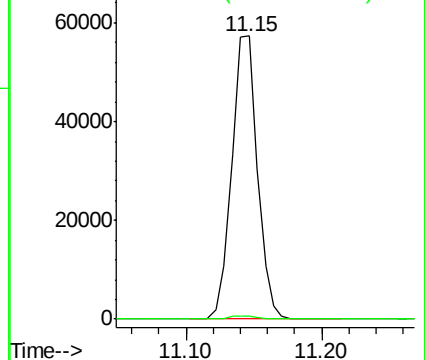
75 100

77 1.4 18.9 56.7#



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: 80.89 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001753.D

Acq: 15 May 2018 18:43

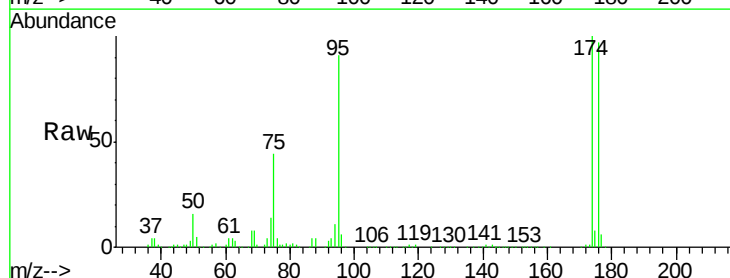
Tgt Ion: 75 Resp: 75270

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.2#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

