

Data File : VX001096.D

Acq On : 25 Apr 2018 00:26

Operator : JC/MD

Sample : J2463-05

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 24 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

Quant Time: Apr 25 07:25:44 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	239213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	169092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174181	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
35) Dibromofluoromethane	5.51	113	133235	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	8.72	98	511830	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
62) 4-Bromofluorobenzene	11.14	95	175951	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.40	62	673	0.24	ug/l	# 81
5) Bromomethane	1.67	94	315	Below	Cal	# 69
10) Methyl Iodide	2.51	142	85	7.63	ug/l	# 41
11) Tert butyl alcohol	3.07	59	7012	15.33	ug/l	# 72
12) 1,1-Dichloroethene	2.38	96	998	0.43	ug/l	# 75
13) Acrolein	2.31	56	99	11.60	ug/l	# 1
16) Acetone	2.45	43	1494	1.31	ug/l	90
19) Methyl tert-butyl Ether	3.21	73	299225	38.19	ug/l	99
20) Methylene Chloride	2.86	84	582	Below	Cal	91
21) trans-1,2-Dichloroethene	3.17	96	205967	79.38	ug/l	96
26) 2,2-Dichloropropane	4.76	77	1365	0.35	ug/l	# 53
27) cis-1,2-Dichloroethene	4.60	96	70271	24.31	ug/l	88
29) Tetrahydrofuran	5.20	42	282	0.25	ug/l	# 34
31) Cyclohexane	5.67	56	4486	1.05	ug/l	# 6
36) 1,1-Dichloropropene	5.67	75	14642	3.74	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	21466	5.42	ug/l	# 17
39) Methylcyclohexane	7.22	83	4804	1.05	ug/l	# 1
42) 1,2-Dichloroethane	6.21	62	57272	13.72	ug/l	99
44) Trichloroethene	7.22	130	422928	127.26	ug/l	98
45) 1,2-Dichloropropane	7.54	63	637	0.23	ug/l	# 88
51) 4-Methyl-2-Pentanone	8.72	43	2523	0.67	ug/l	# 1
55) 1,1,2-Trichloroethane	9.22	97	1468	0.52	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	91460	31.18	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	91460	92.71	ug/l	# 8

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

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Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

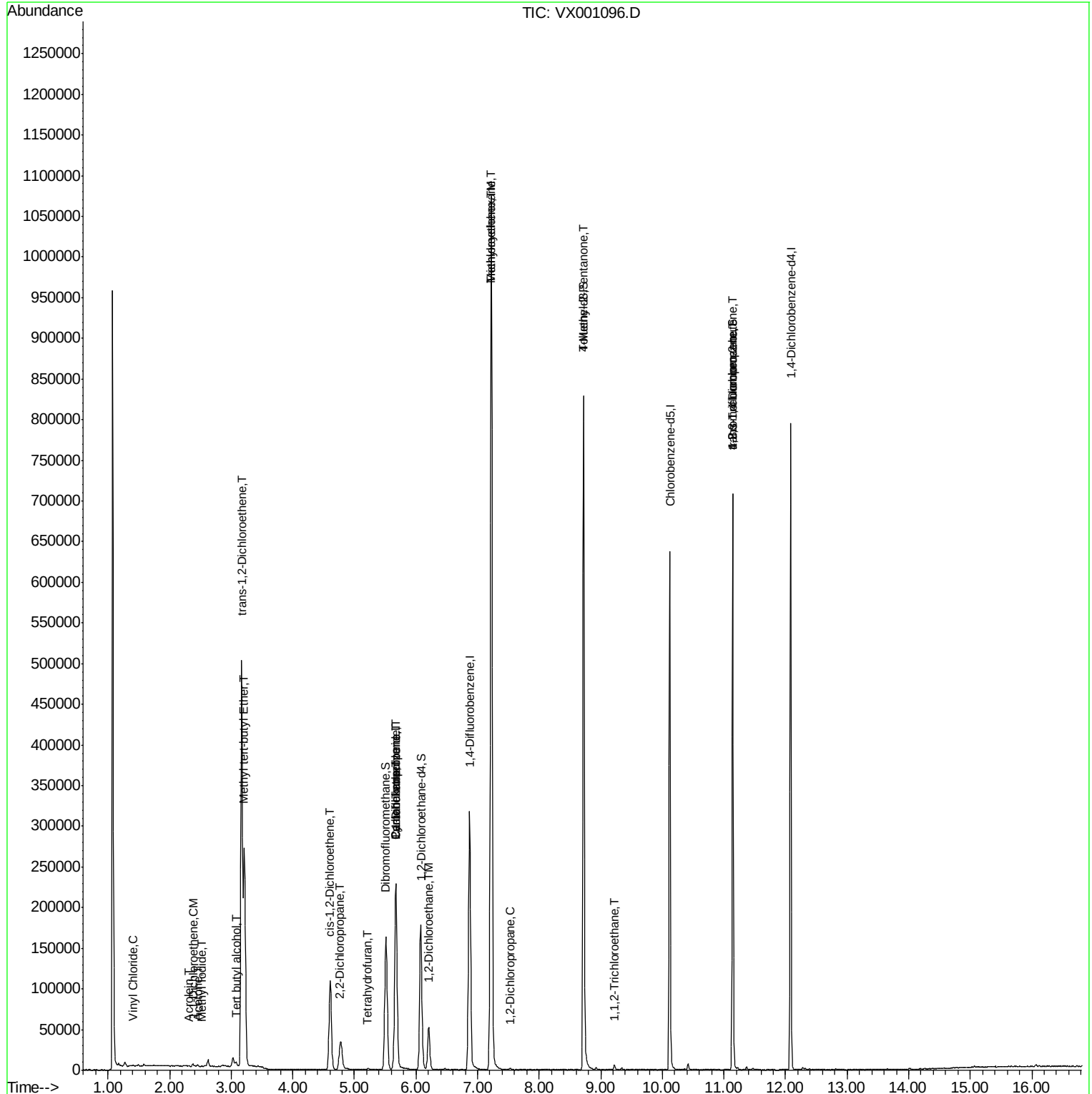
Quant Time: Apr 25 07:25:44 2018

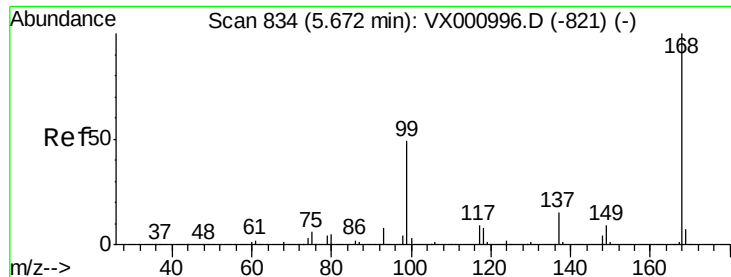
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 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: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

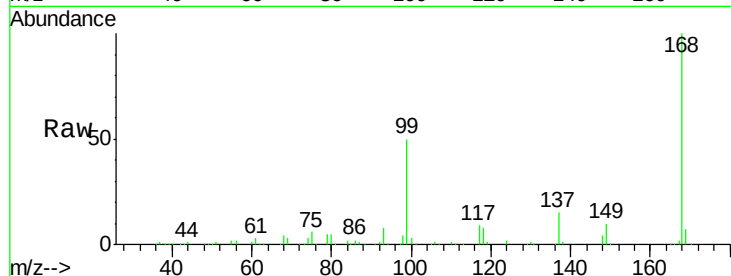
KY024MW068-180417

Tgt Ion:168 Resp: 239213

Ion Ratio Lower Upper

168 100

99 49.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

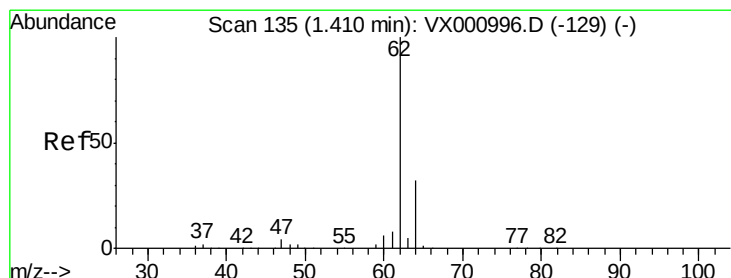
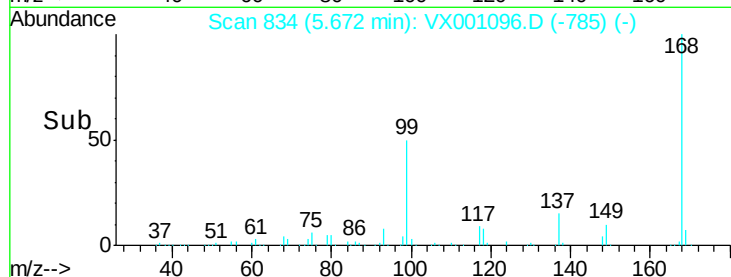
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.24 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001096.D

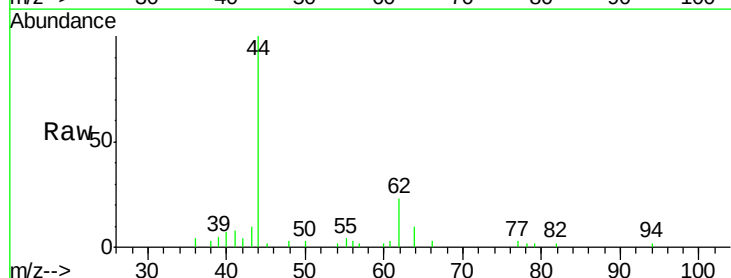
Acq: 25 Apr 2018 00:26

Tgt Ion: 62 Resp: 673

Ion Ratio Lower Upper

62 100

64 21.6 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

800

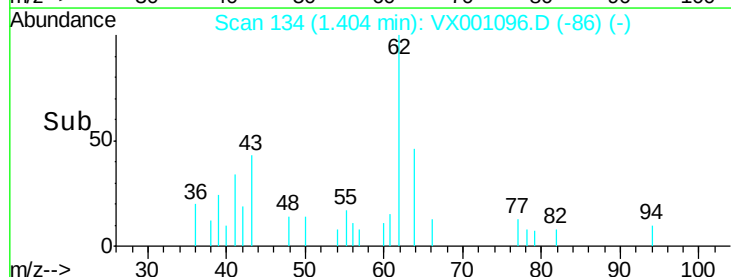
600

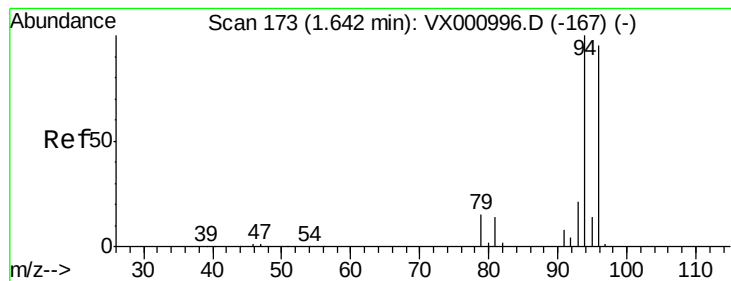
400

200

0

Time--> 1.38 1.40 1.42 1.44





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

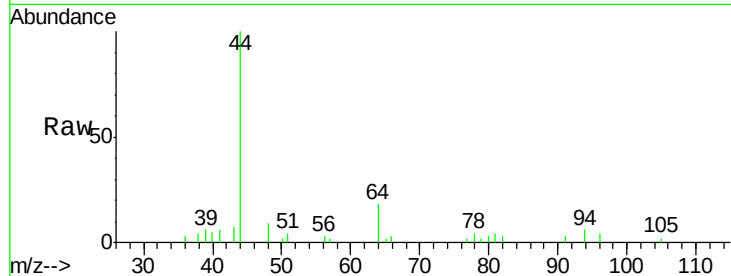
KY024MW068-180417

Tgt Ion: 94 Resp: 315

Ion Ratio Lower Upper

94 100

96 64.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

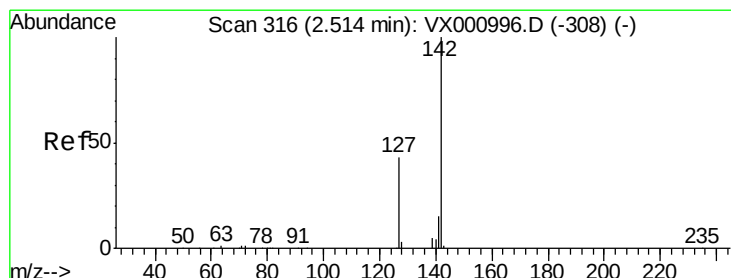
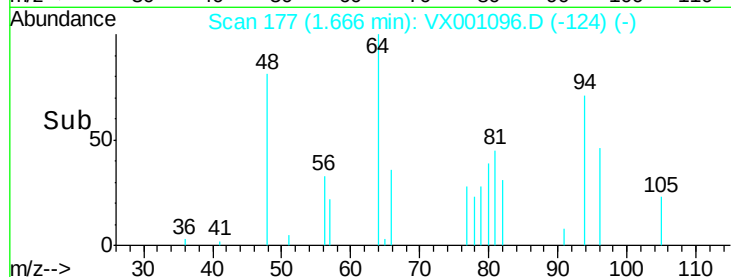
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 7.63 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

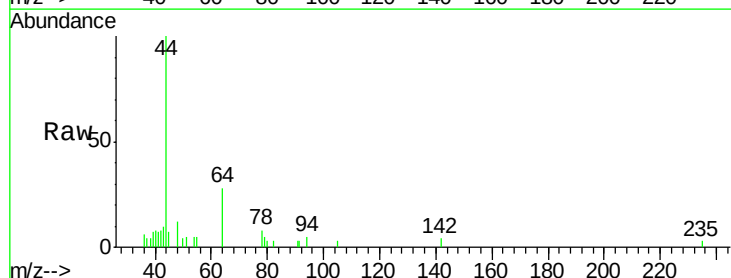
Tgt Ion: 142 Resp: 85

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#



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

120

100

80

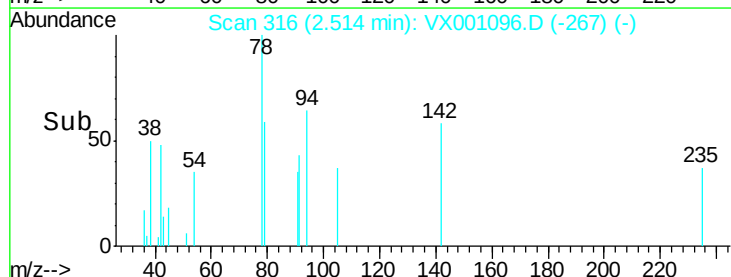
60

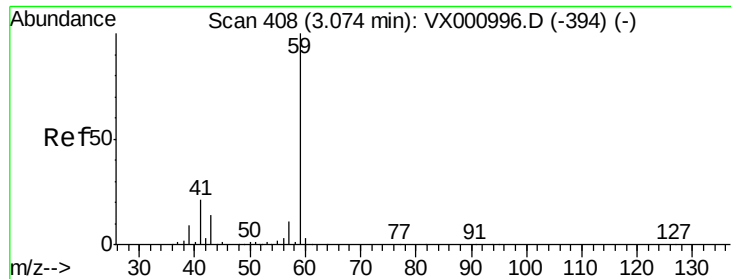
40

20

0

Time-->

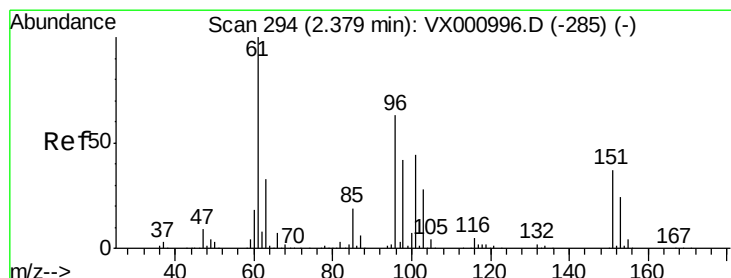
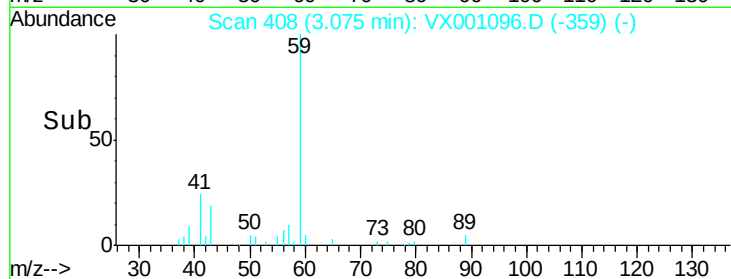
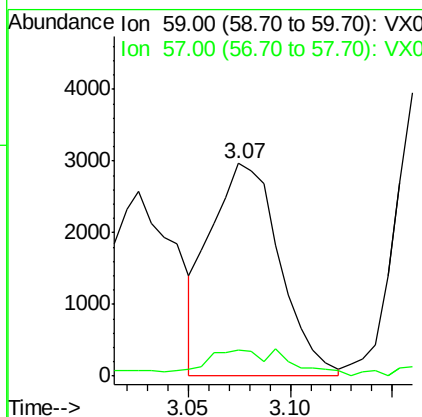
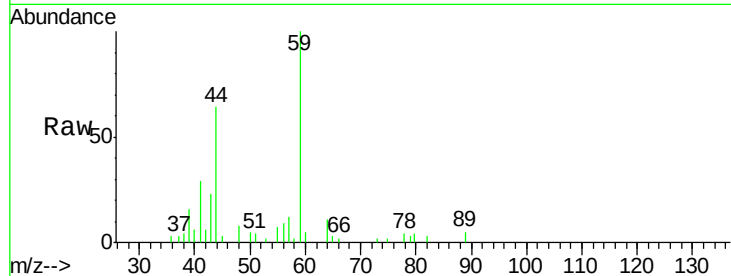




#11
Tert butyl alcohol
Concen: 15.33 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

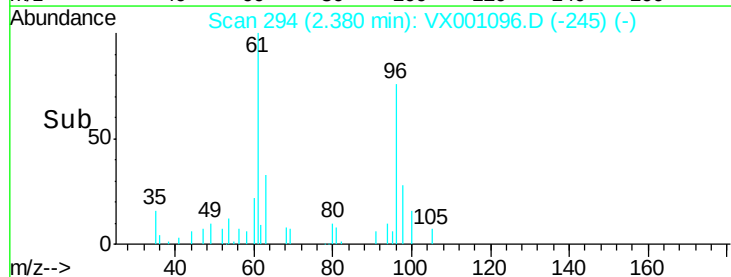
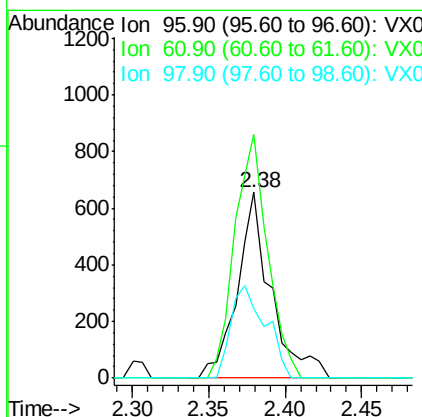
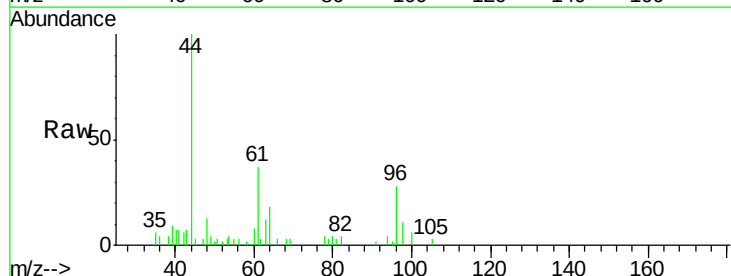
Instrument :
MSVOA_X
ClientSampleId :
KY024MW068-180417

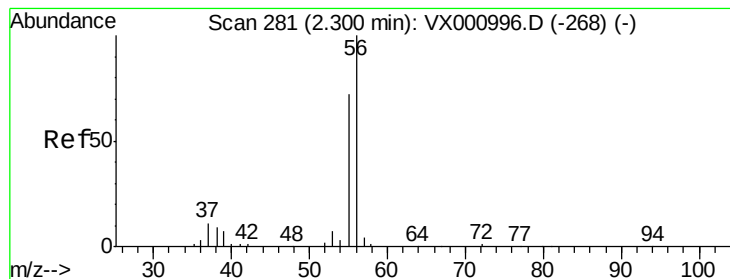
Tgt Ion: 59 Resp: 7012
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.43 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

Tgt Ion: 96 Resp: 998
Ion Ratio Lower Upper
96 100
61 131.3 126.4 189.6
98 37.4 52.6 78.8#





#13

Acrolein

Concen: 11.60 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

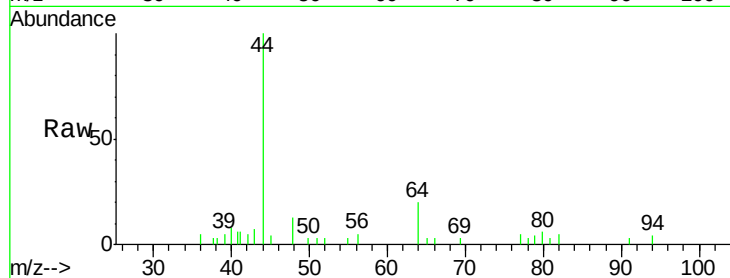
KY024MW068-180417

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

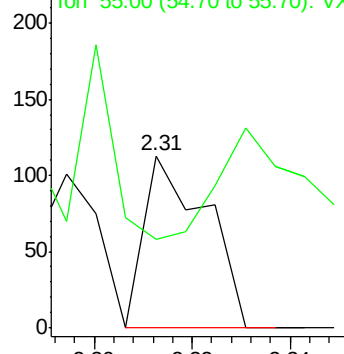
56 100

55 222.2 57.4 86.2#

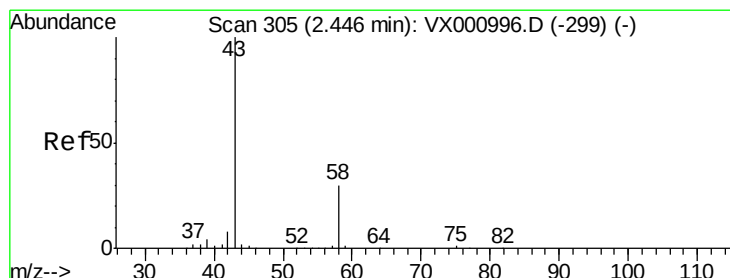
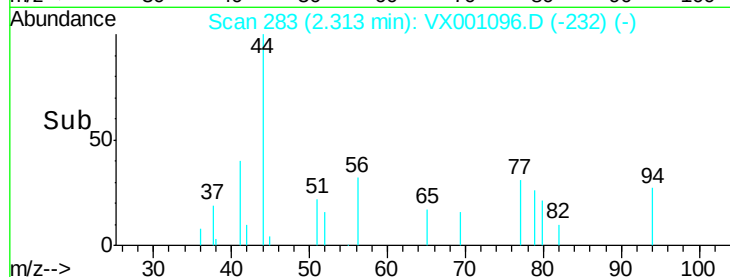


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 1.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001096.D

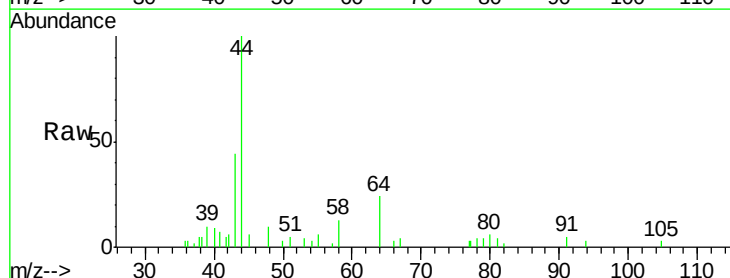
Acq: 25 Apr 2018 00:26

Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

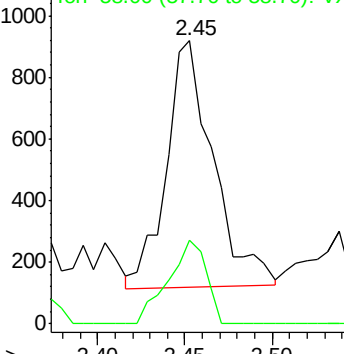
43 100

58 35.1 23.7 35.5

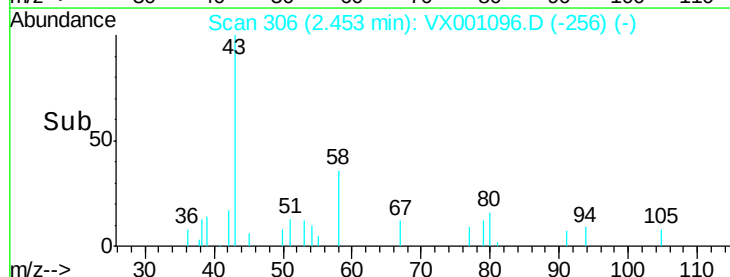


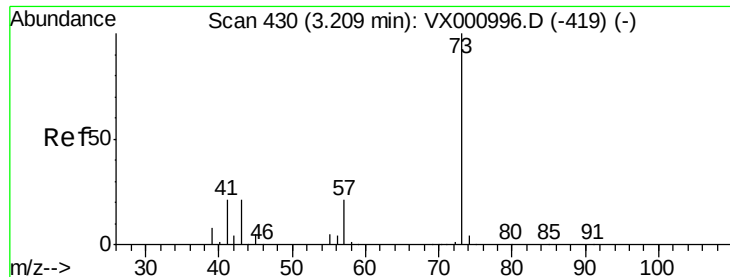
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#19

Methyl tert-butyl Ether

Concen: 38.19 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

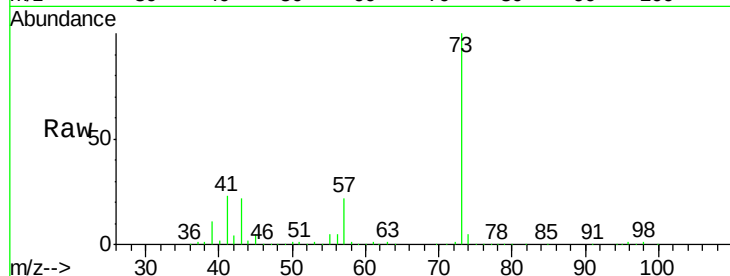
KY024MW068-180417

Tgt Ion: 73 Resp: 299225

Ion Ratio Lower Upper

73 100

57 21.8 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

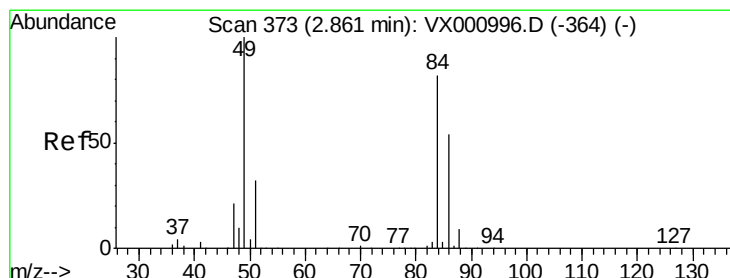
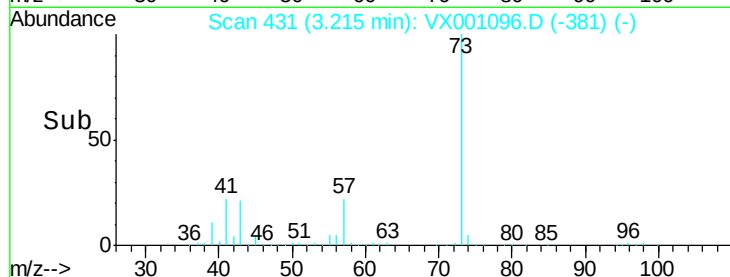
3.21

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Tgt Ion: 84 Resp: 582

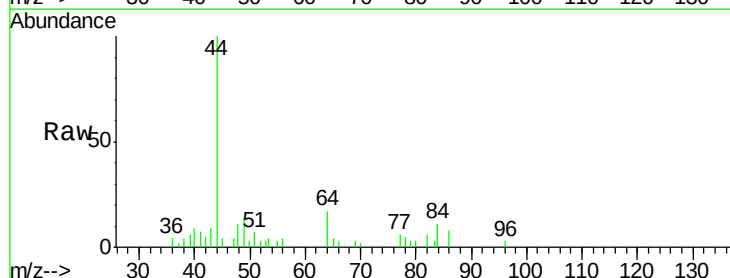
Ion Ratio Lower Upper

84 100

49 129.3 97.1 145.7

51 40.6 30.8 46.2

86 76.7 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

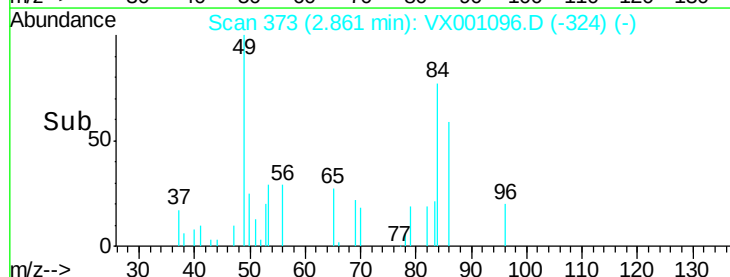
300

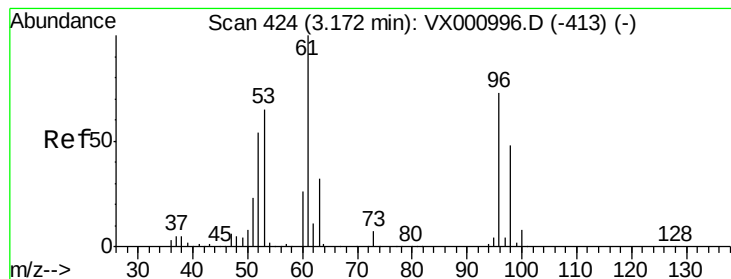
200

100

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 79.38 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

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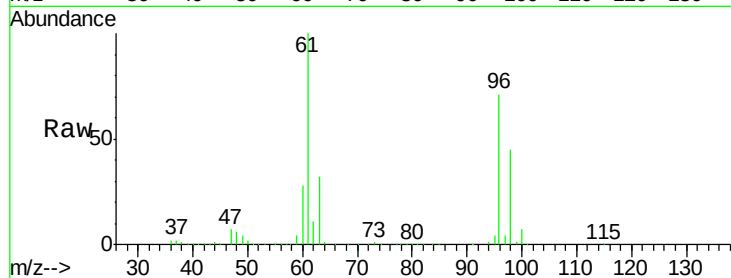
Tgt Ion: 96 Resp: 205967

Ion Ratio Lower Upper

96 100

61 141.4 109.4 164.2

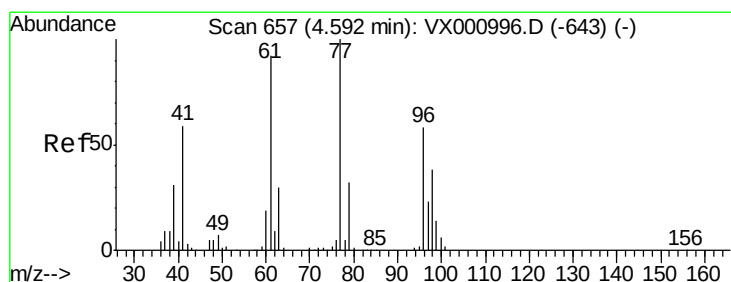
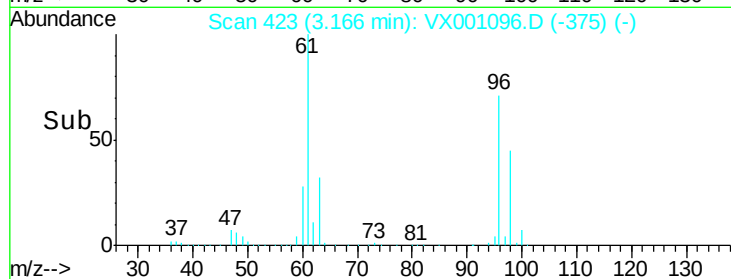
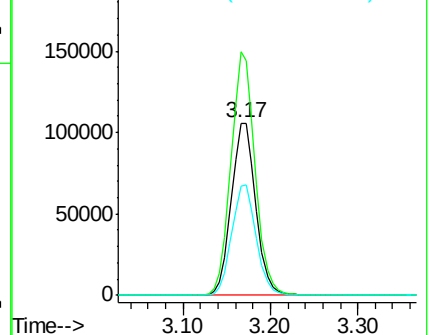
98 63.3 52.6 78.8



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



#26

2,2-Dichloropropane

Concen: 0.35 ug/l

RT: 4.76 min Scan# 685

Delta R.T. 0.17 min

Lab File: VX001096.D

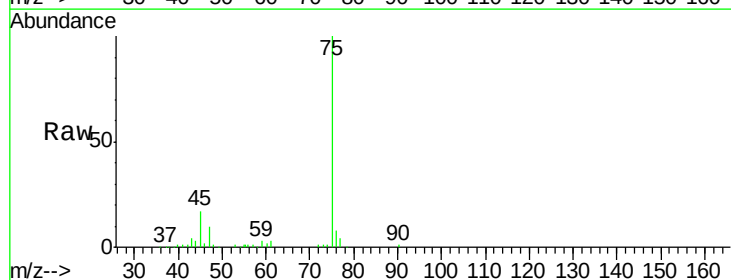
Acq: 25 Apr 2018 00:26

Tgt Ion: 77 Resp: 1365

Ion Ratio Lower Upper

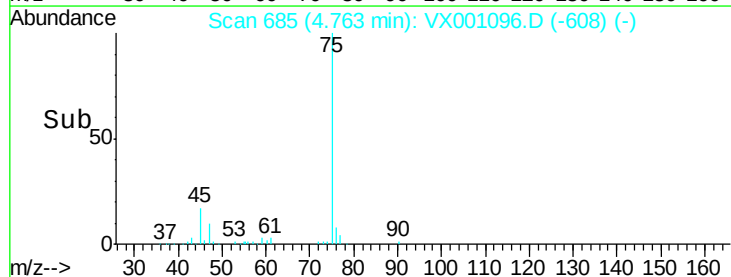
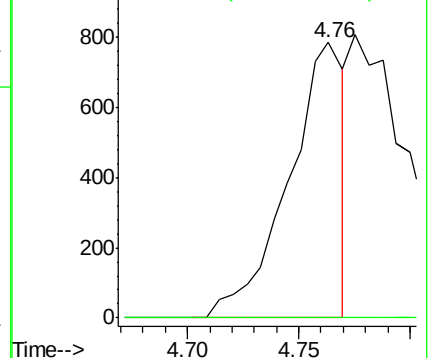
77 100

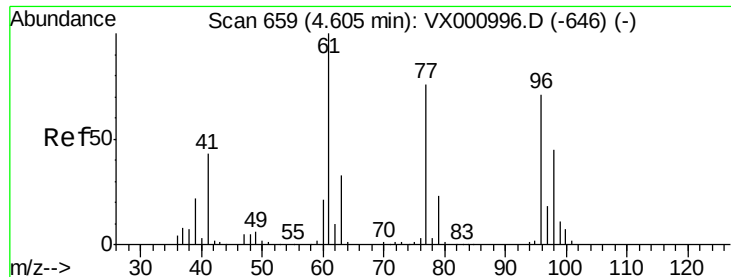
97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 24.31 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

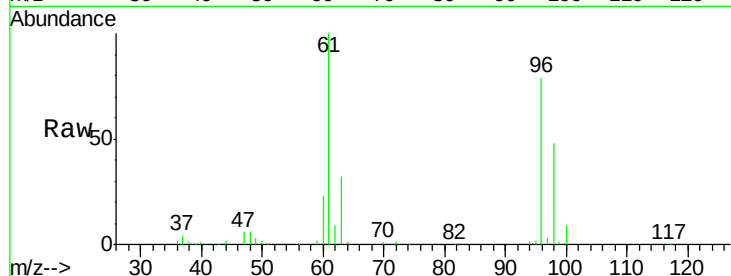
Tgt Ion: 96 Resp: 70271

Ion Ratio Lower Upper

96 100

61 127.4 0.0 297.0

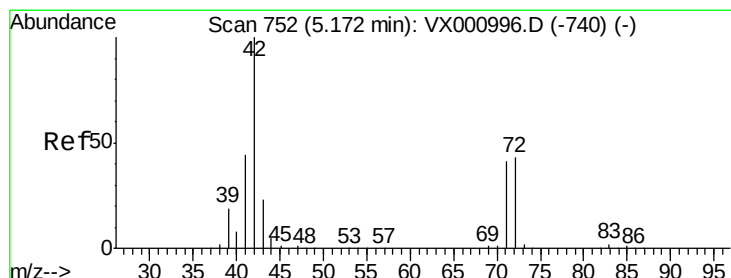
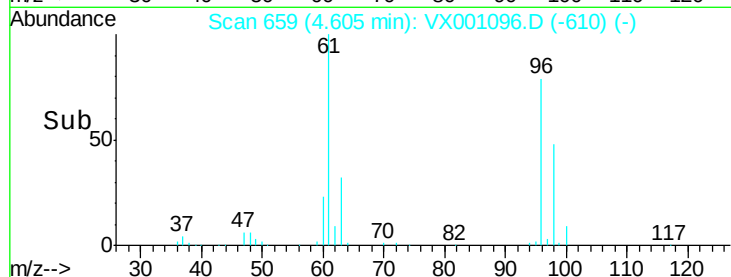
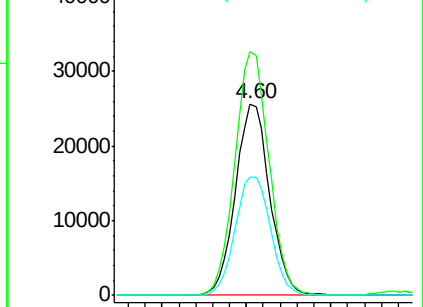
98 64.2 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

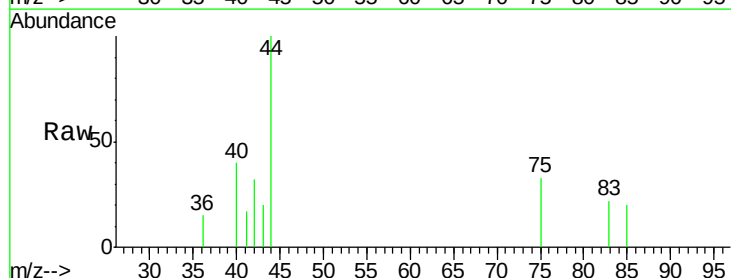
Tgt Ion: 42 Resp: 282

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

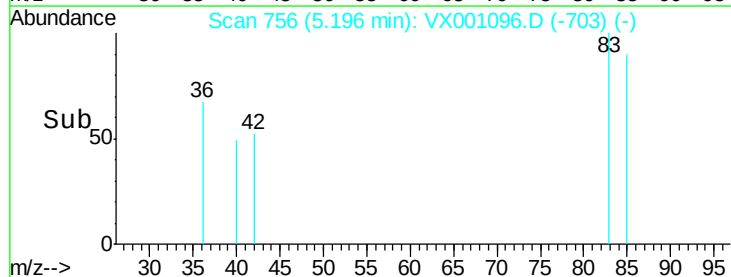
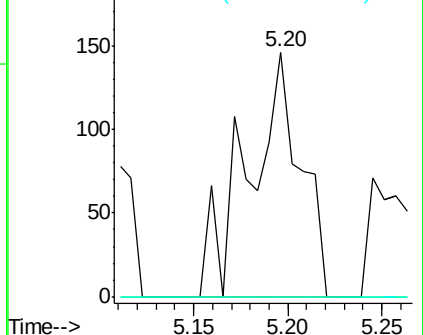
71 0.0 32.6 49.0#

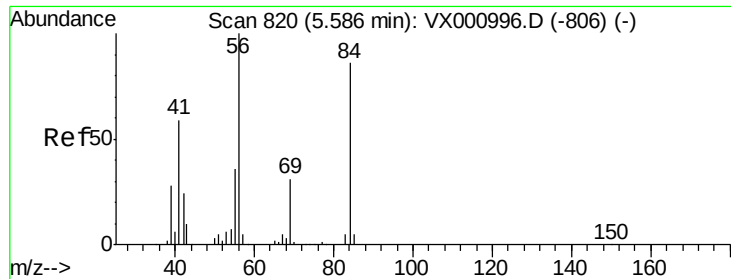


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

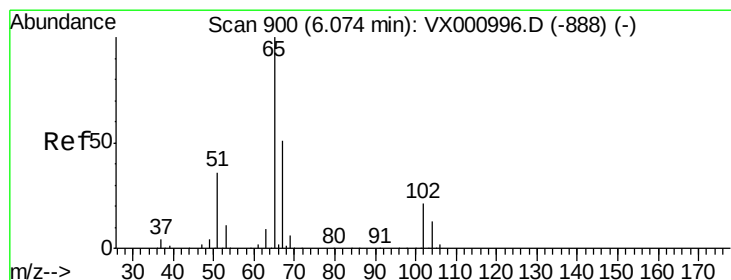
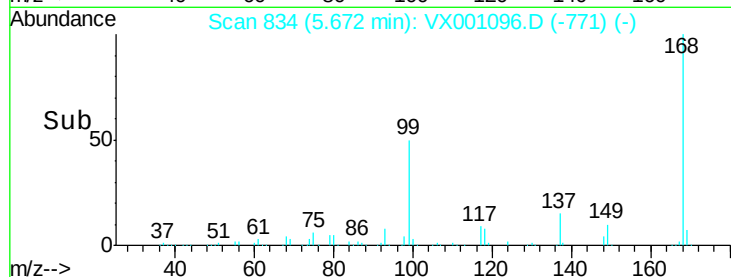
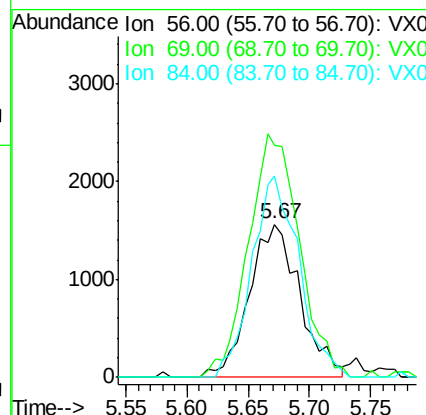
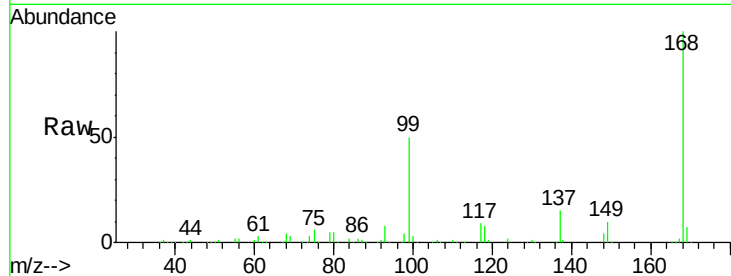




#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

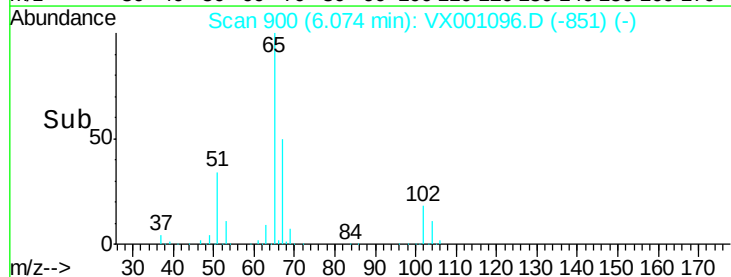
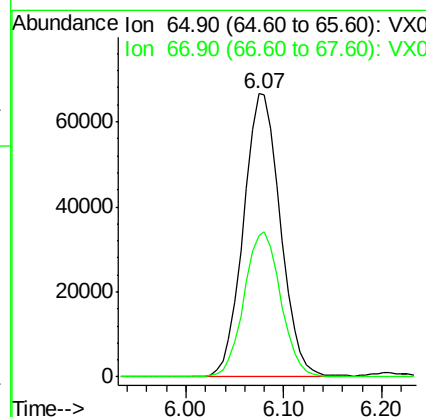
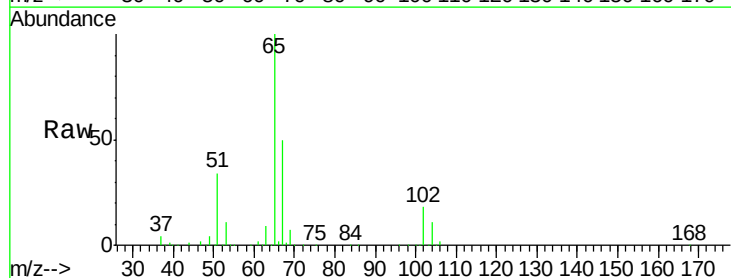
Instrument :
MSVOA_X
ClientSampleId :
KY024MW068-180417

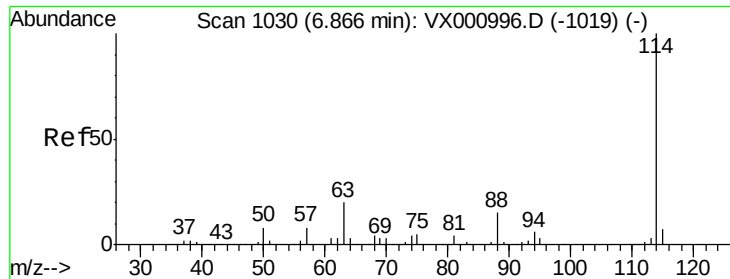
Tgt Ion: 56 Resp: 4486
Ion Ratio Lower Upper
56 100
69 151.3 24.6 36.8#
84 131.3 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 57.44 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

Tgt Ion: 65 Resp: 174181
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

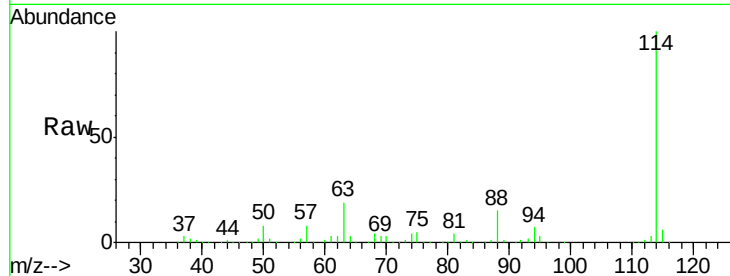
Tgt Ion:114 Resp: 332965

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

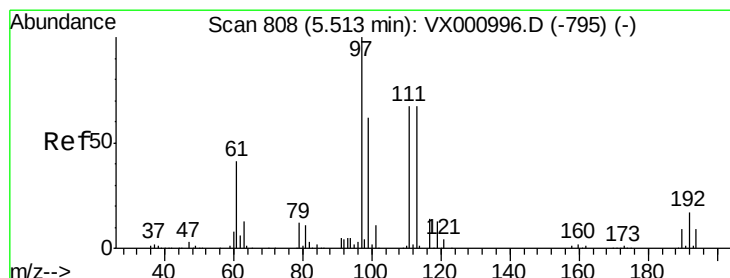
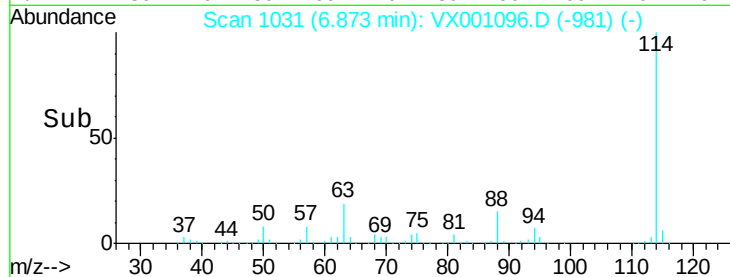
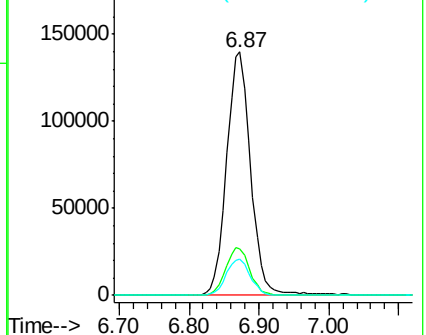
88 15.1 0.0 29.8



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: 52.48 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

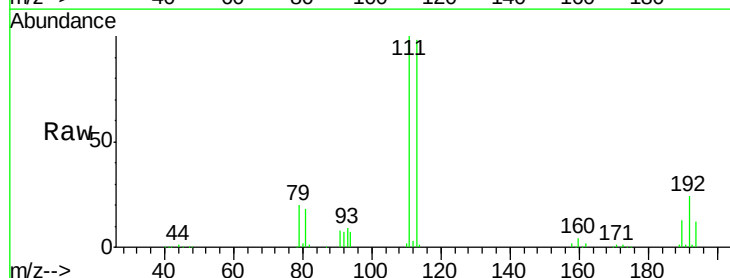
Tgt Ion:113 Resp: 133235

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

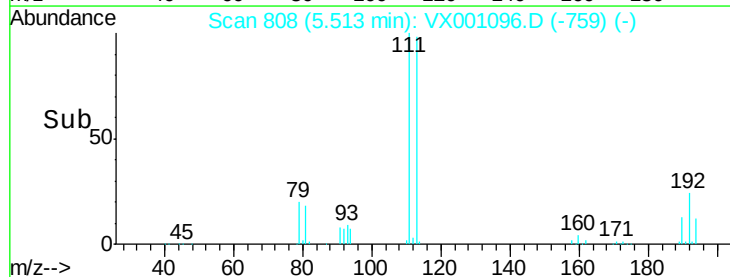
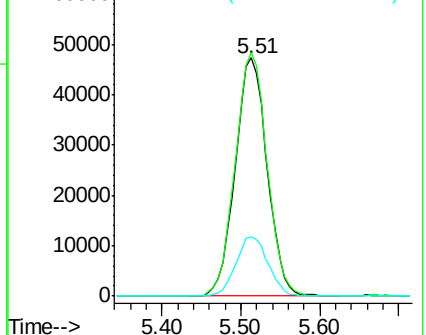
192 25.3 20.4 30.6

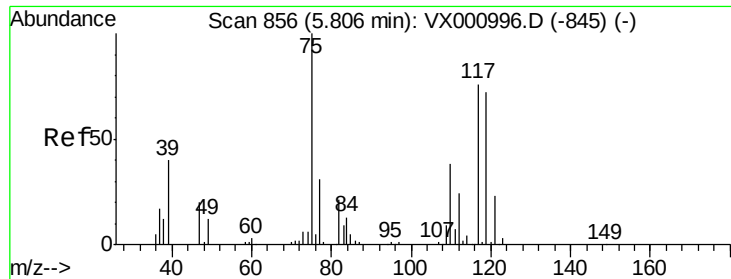


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

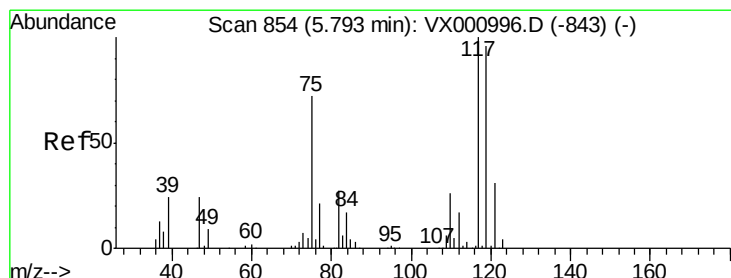
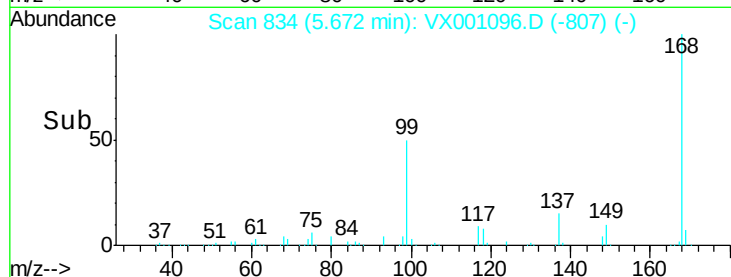
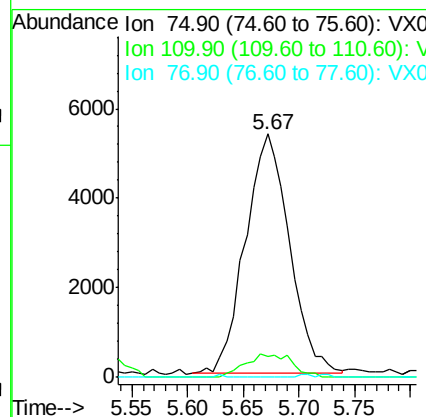
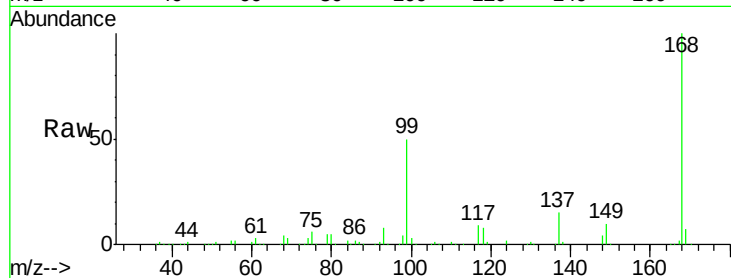




#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001096.D
 Acq: 25 Apr 2018 00:26

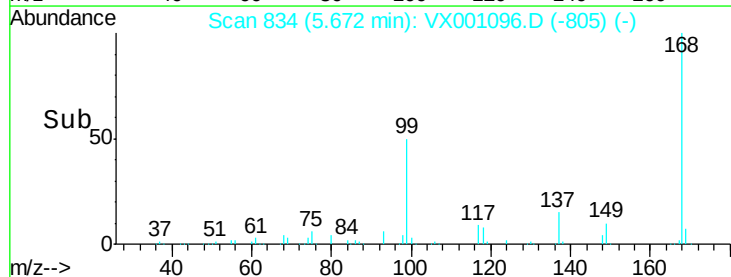
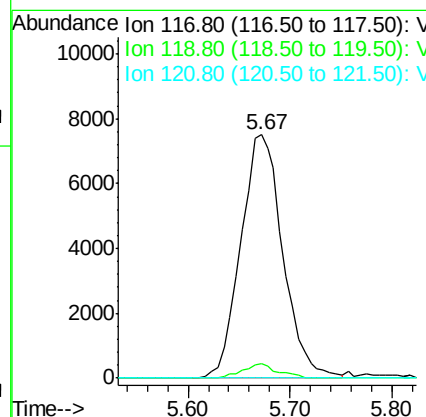
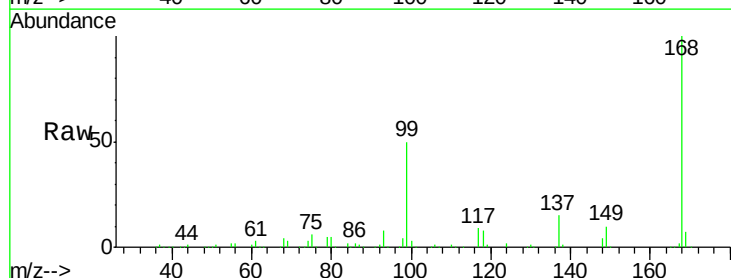
Instrument :
 MSVOA_X
 ClientSampleId :
 KY024MW068-180417

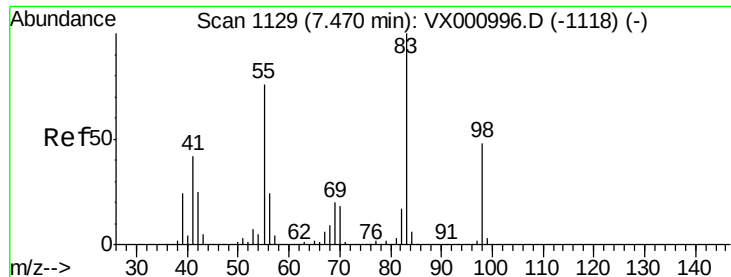
Tgt Ion: 75 Resp: 14642
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.7 56.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.42 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001096.D
 Acq: 25 Apr 2018 00:26

Tgt Ion: 117 Resp: 21466
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.5 114.7#
 121 0.0 24.5 36.7#

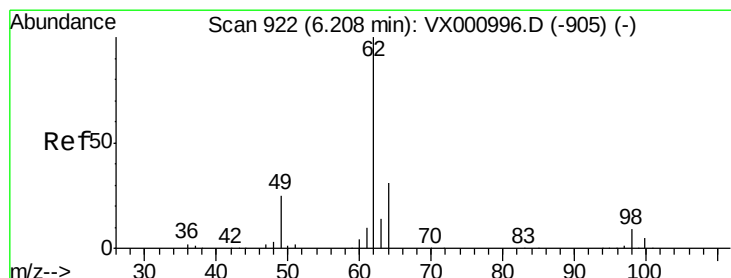
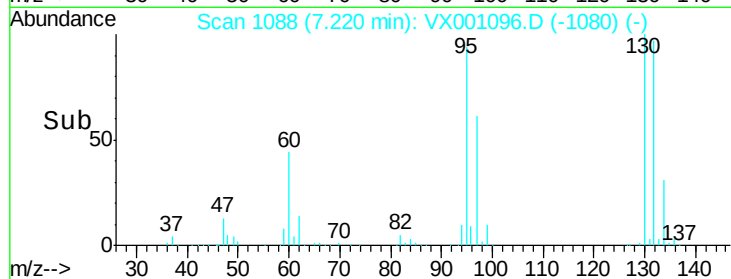
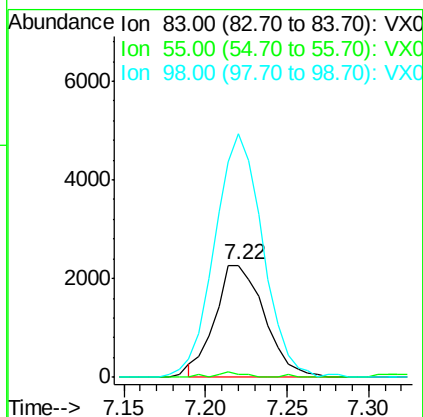
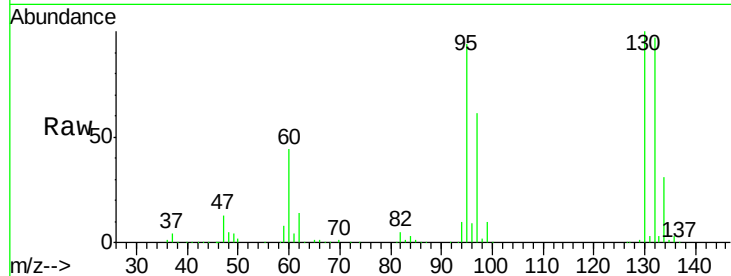




#39
Methylcyclohexane
Concen: 1.05 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.25 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

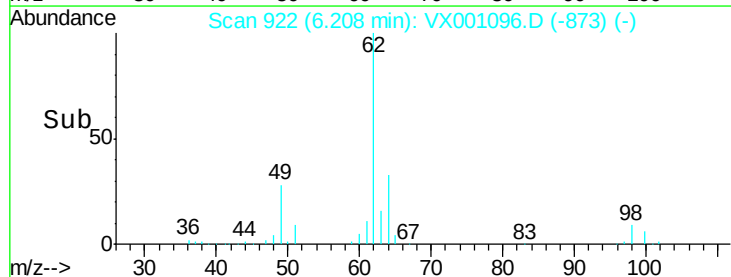
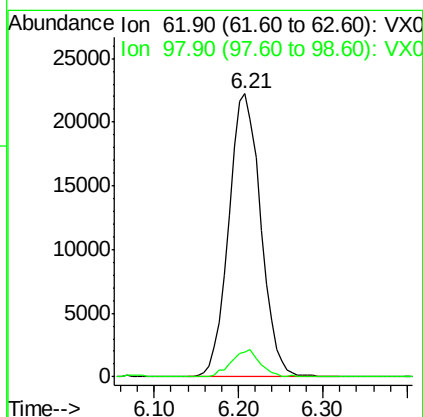
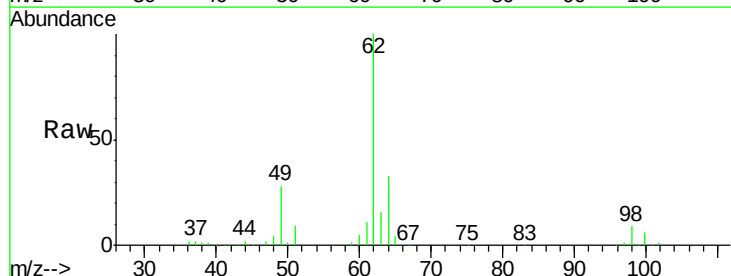
Instrument :
MSVOA_X
ClientSampleId :
KY024MW068-180417

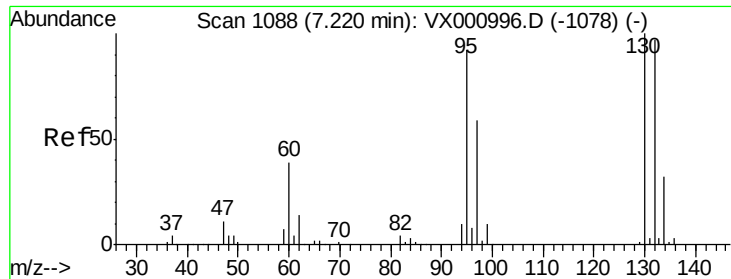
Tgt Ion: 83 Resp: 4804
Ion Ratio Lower Upper
83 100
55 2.3 60.6 91.0#
98 213.9 38.2 57.4#



#42
1,2-Dichloroethane
Concen: 13.72 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

Tgt Ion: 62 Resp: 57272
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.6





#44

Trichloroethene

Concen: 127.26 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

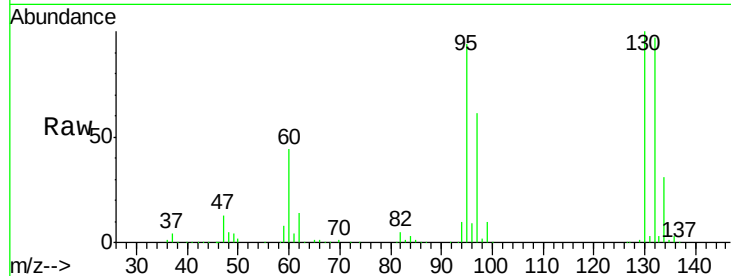
KY024MW068-180417

Tgt Ion:130 Resp: 422928

Ion Ratio Lower Upper

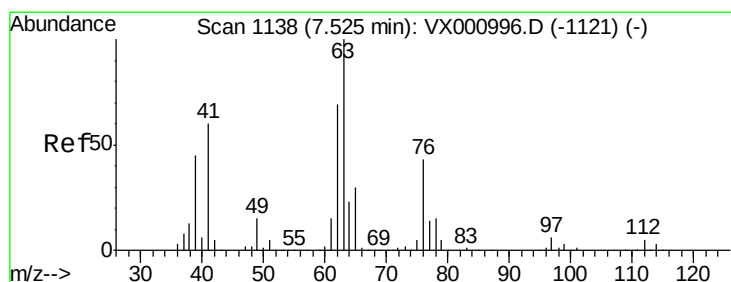
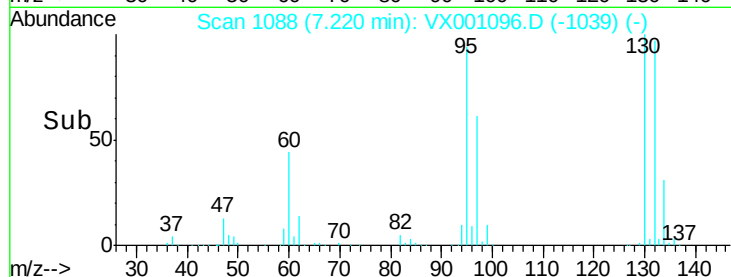
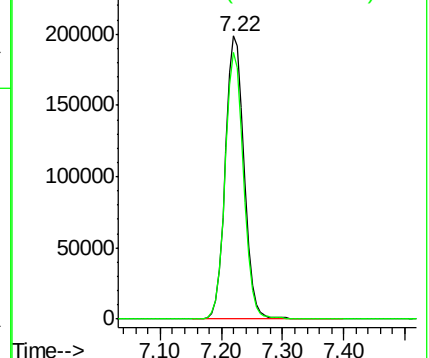
130 100

95 94.3 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.23 ug/l

RT: 7.54 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VX001096.D

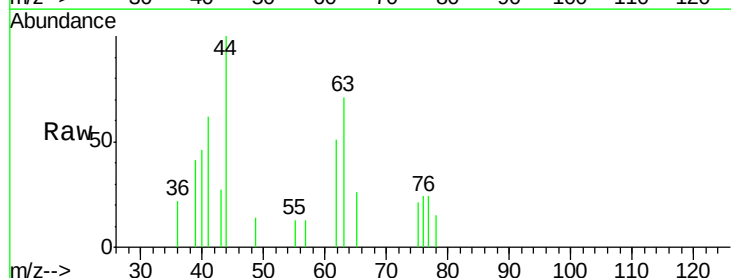
Acq: 25 Apr 2018 00:26

Tgt Ion: 63 Resp: 637

Ion Ratio Lower Upper

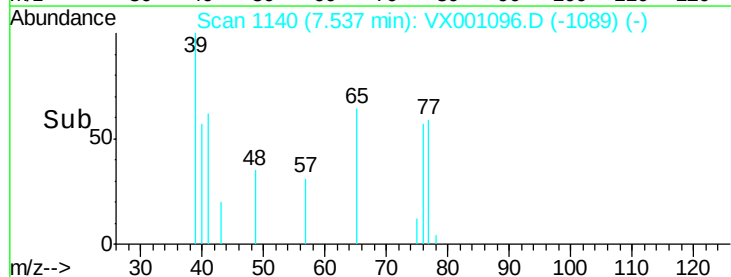
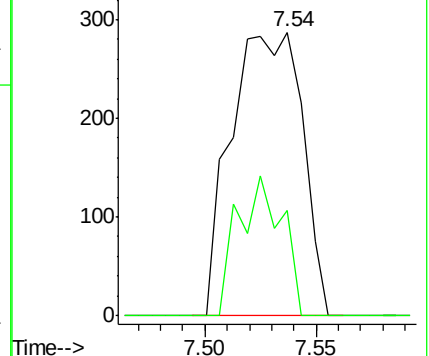
63 100

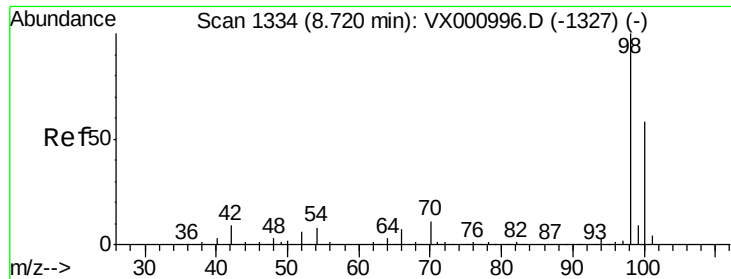
65 36.9 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

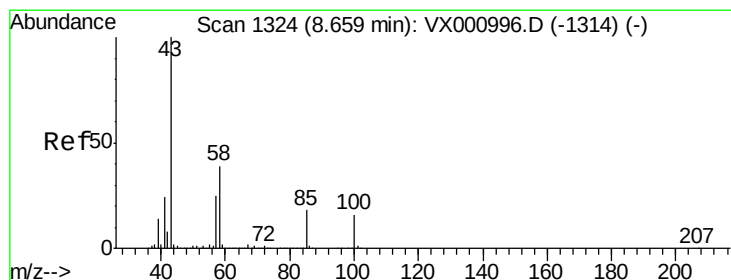
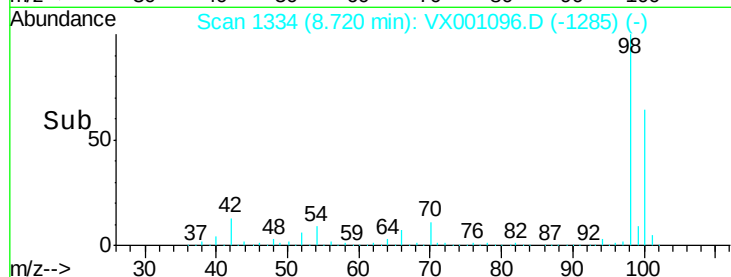
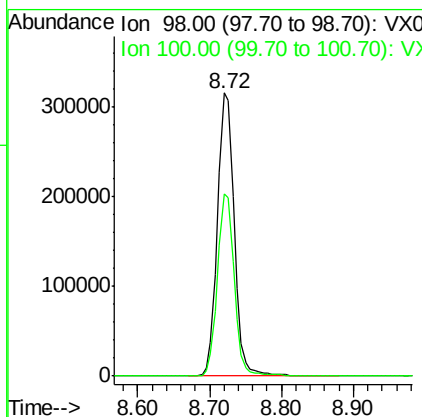
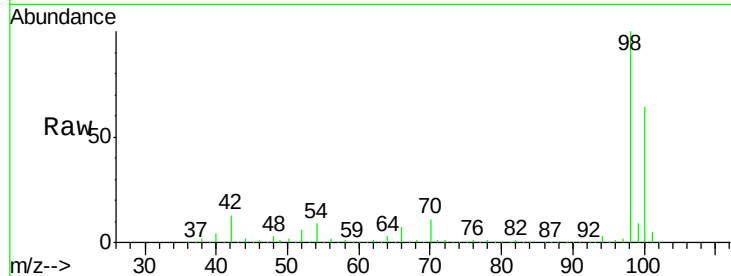




#50
Toluene-d8
Concen: 54.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

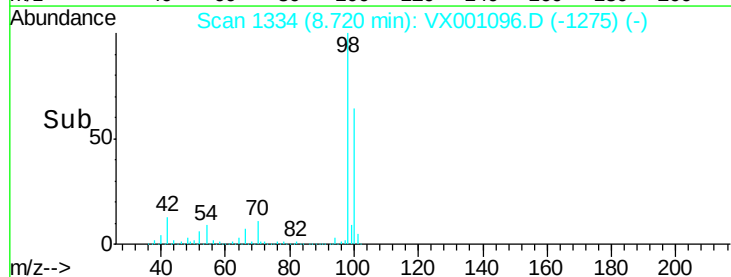
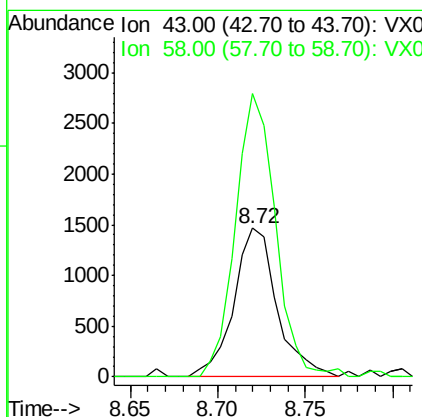
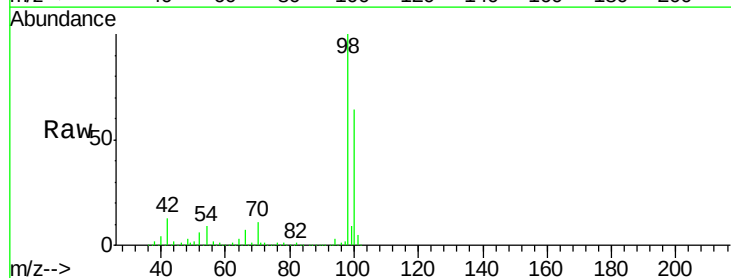
Instrument :
MSVOA_X
ClientSampleId :
KY024MW068-180417

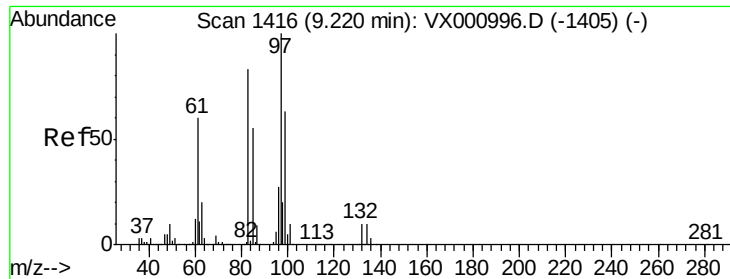
Tgt Ion: 98 Resp: 511830
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.67 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001096.D
Acq: 25 Apr 2018 00:26

Tgt Ion: 43 Resp: 2523
Ion Ratio Lower Upper
43 100
58 176.2 30.2 45.4#





#55

1,1,2-Trichloroethane

Concen: 0.52 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

Tgt Ion: 97 Resp: 1468

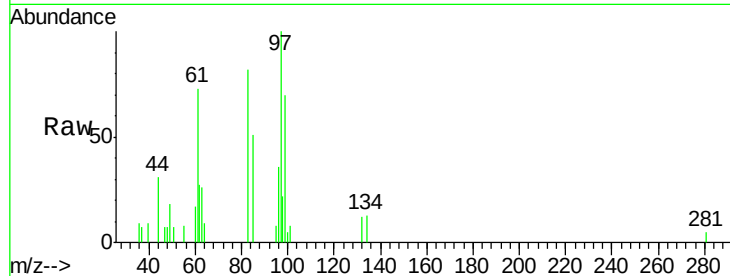
Ion Ratio Lower Upper

97 100

83 81.8 66.2 99.4

85 51.4 44.2 66.4

99 69.8 50.2 75.4

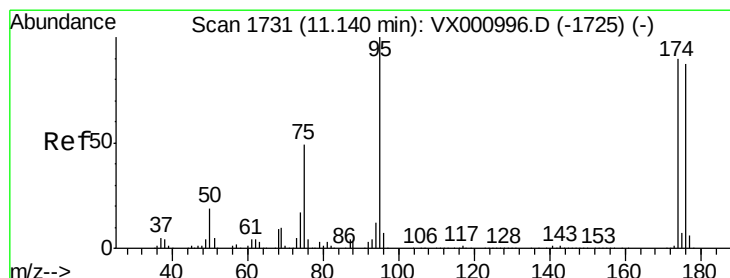
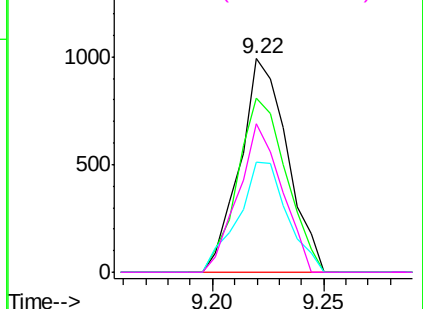
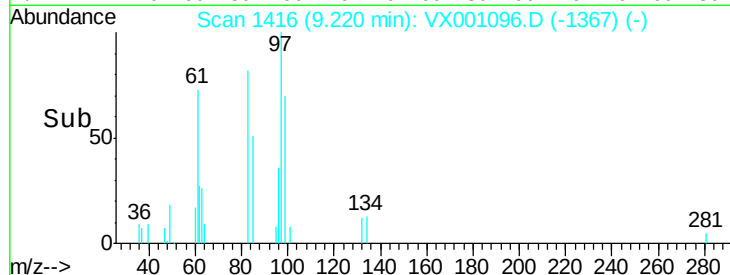


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#62

4-Bromofluorobenzene

Concen: 44.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

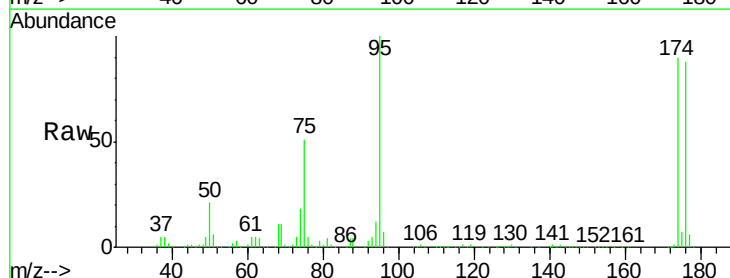
Tgt Ion: 95 Resp: 175951

Ion Ratio Lower Upper

95 100

174 99.3 0.0 198.4

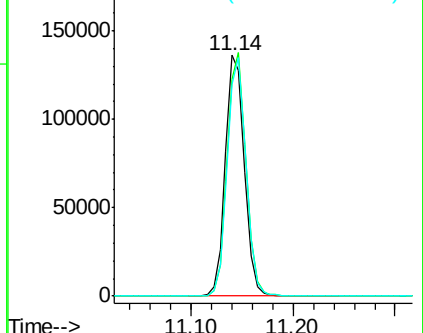
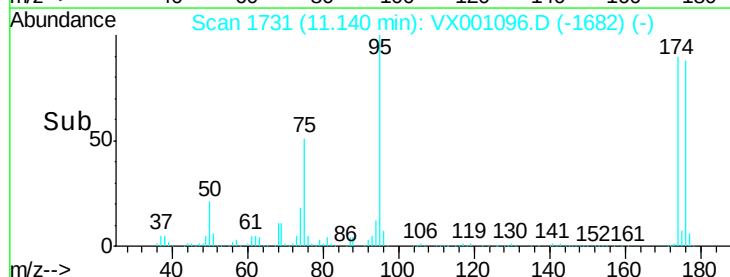
176 97.2 0.0 192.0

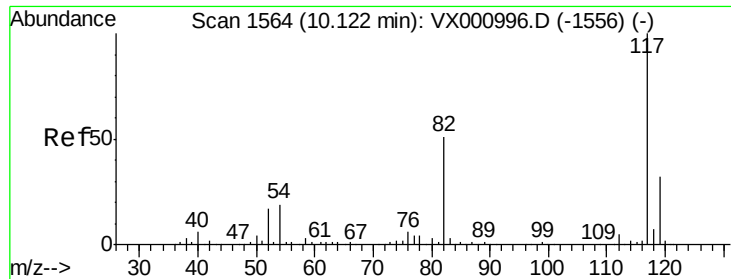


Abundance Ion 94.90 (94.60 to 95.60): VX0

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. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

Instrument :

MSVOA_X

ClientSampleId :

KY024MW068-180417

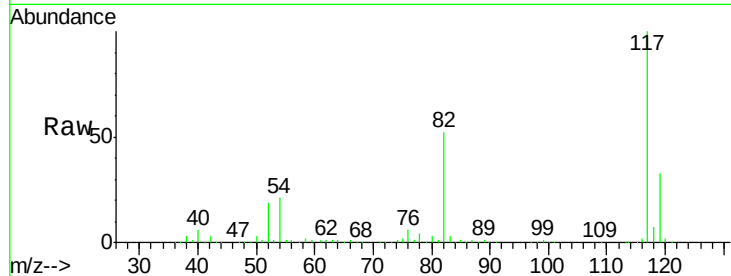
Tgt Ion:117 Resp: 299722

Ion Ratio Lower Upper

117 100

82 52.1 40.6 60.8

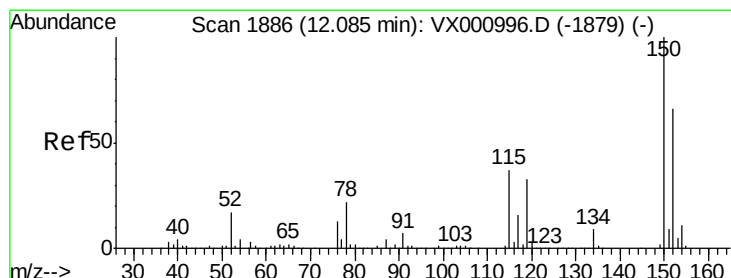
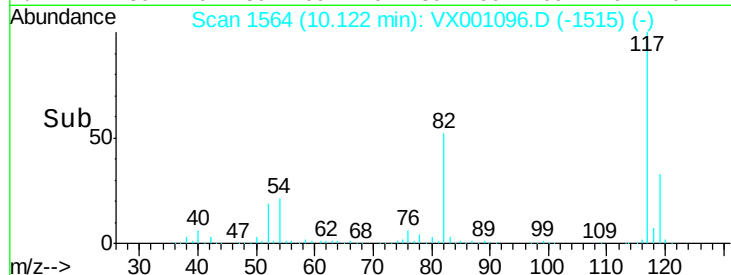
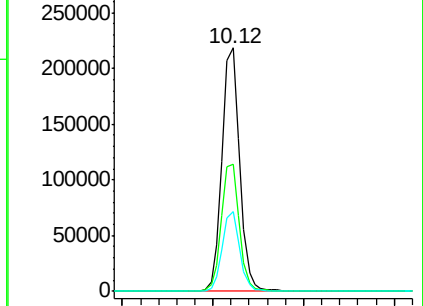
119 32.6 26.0 39.0



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001096.D

Acq: 25 Apr 2018 00:26

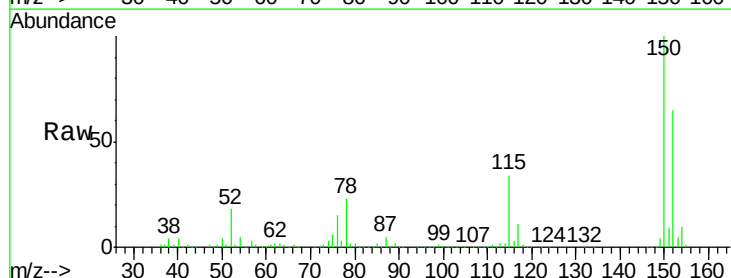
Tgt Ion:152 Resp: 169092

Ion Ratio Lower Upper

152 100

115 53.6 38.2 114.6

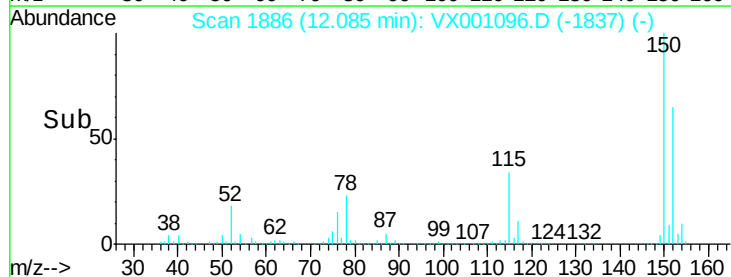
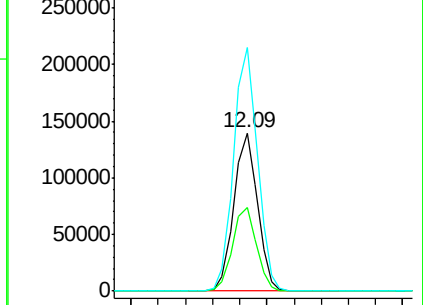
150 156.1 0.0 350.4

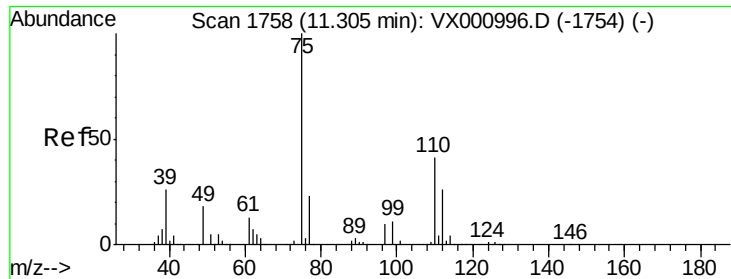


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

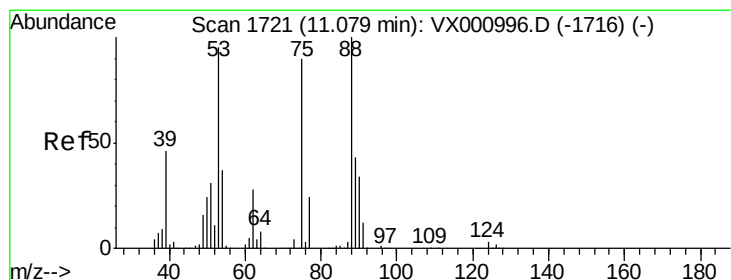
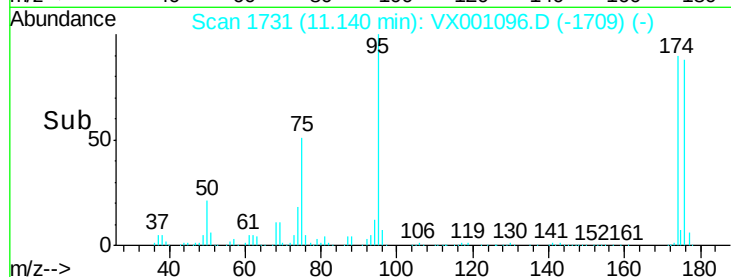
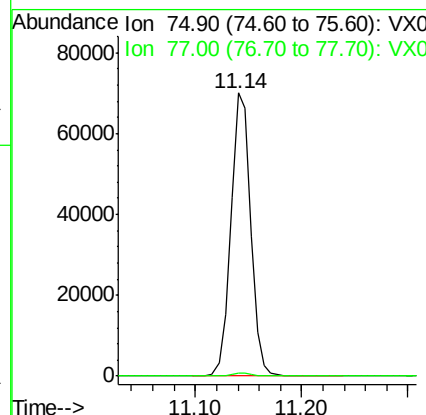
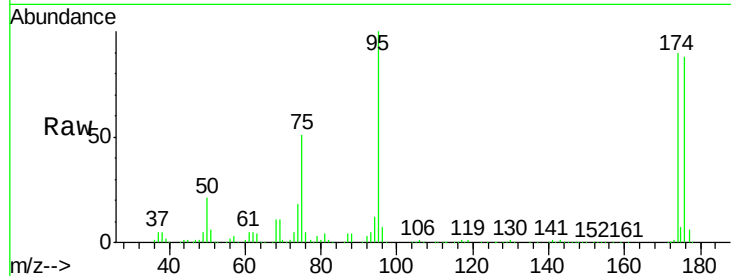




#76
 1,2,3-Trichloropropane
 Concen: 31.18 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001096.D
 Acq: 25 Apr 2018 00:26

Instrument :
 MSVOA_X
 ClientSampleId :
 KY024MW068-180417

Tgt Ion: 75 Resp: 91460
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.71 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001096.D
 Acq: 25 Apr 2018 00:26

Tgt Ion: 75 Resp: 91460
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 39.7 59.5#

