

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000929.D
 Acq On : 16 Apr 2018 19:40
 Operator : JC/MD
 Sample : J2308-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 02:36:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	364199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221668	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	160482	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	5.51	113	127586	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
50) Toluene-d8	8.72	98	507216	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.15	95	197603	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

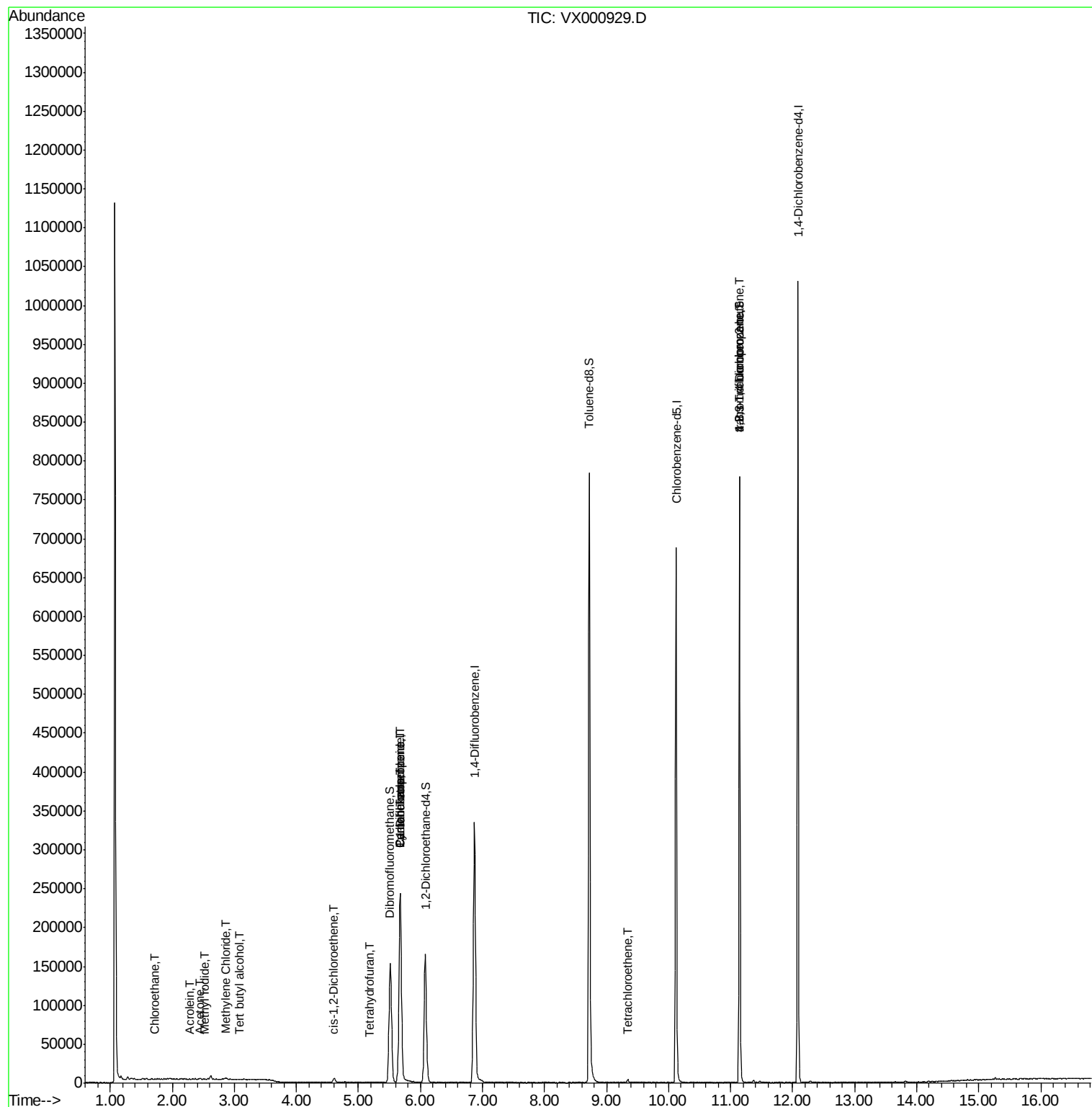
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	323	Below Cal		92
6) Chloroethane	1.72	64	1337	0.750	ug/l #	43
10) Methyl Iodide	2.51	142	132	8.284	ug/l #	42
11) Tert butyl alcohol	3.08	59	354	0.585	ug/l #	78
13) Acrolein	2.29	56	66	0.225	ug/l #	5
16) Acetone	2.45	43	766	0.652	ug/l	95
20) Methylene Chloride	2.86	84	905	0.331	ug/l #	73
27) cis-1,2-Dichloroethene	4.60	96	3237	1.043	ug/l	86
29) Tetrahydrofuran	5.17	42	1027	0.834	ug/l #	65
31) Cyclohexane	5.67	56	4375	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16021	3.994	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22338	4.976	ug/l #	15
64) Tetrachloroethene	9.34	164	701	0.212	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	97359	25.467	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	97359	70.055	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

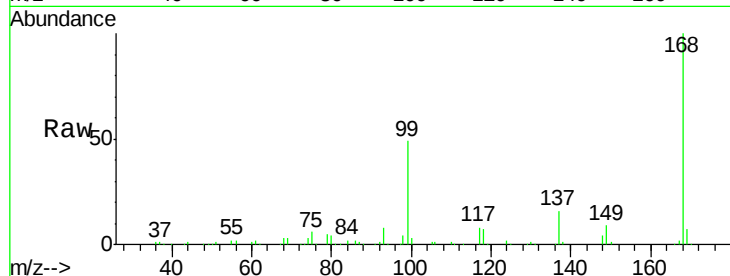
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 270156

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

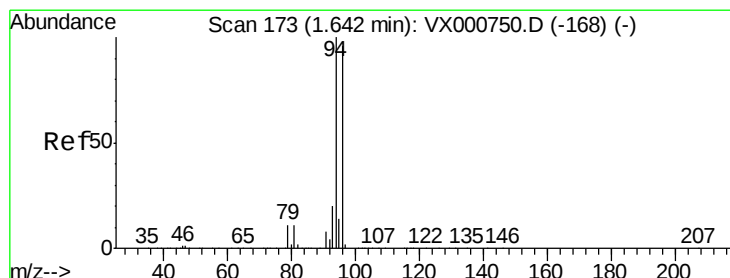
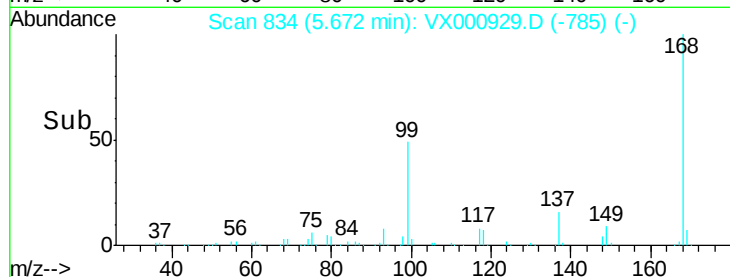
20000

0

Time-->

5.60

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000929.D

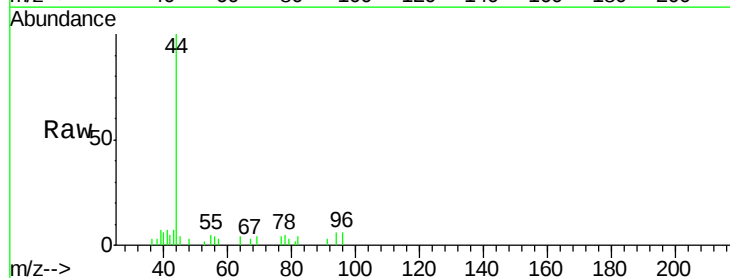
Acq: 16 Apr 2018 19:40

Tgt Ion: 94 Resp: 323

Ion Ratio Lower Upper

94 100

96 104.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

150

100

50

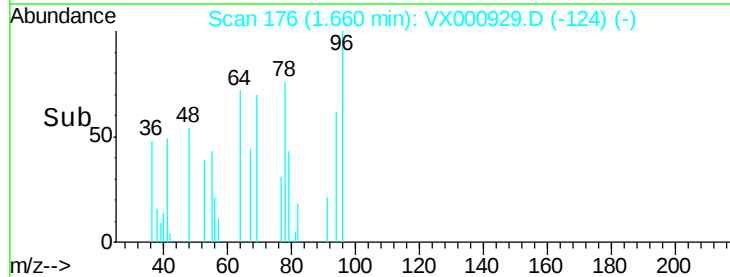
0

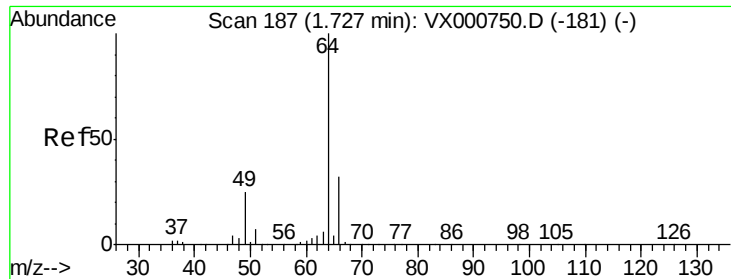
Time-->

1.60

1.65

1.70





#6

Chloroethane

Concen: 0.750 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Instrument :

MSVOA_X

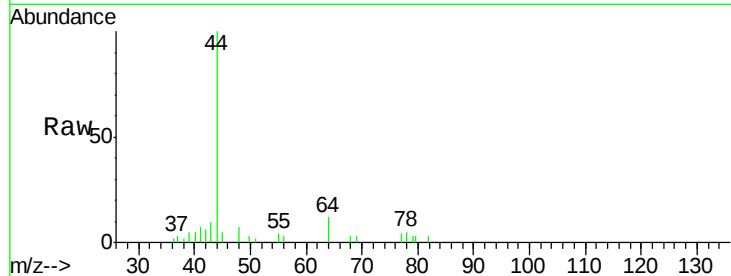
ClientSampled :

Tot Ion: 64 Resp: 1337

Ion Ratio Lower Upper

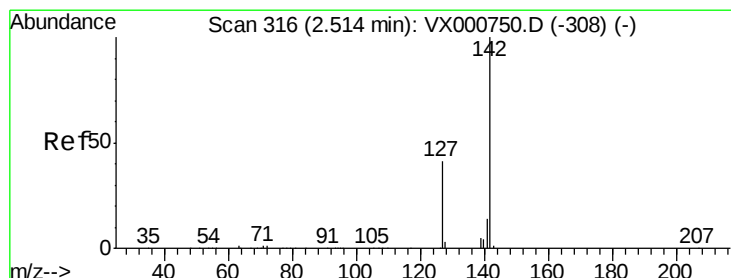
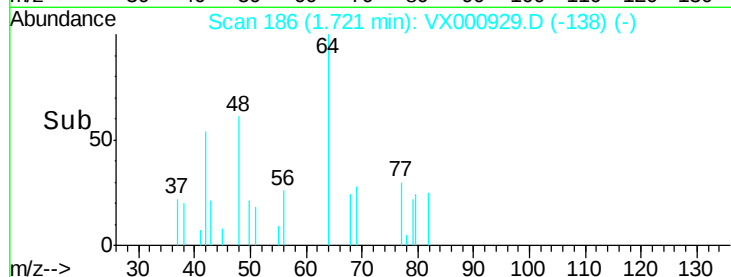
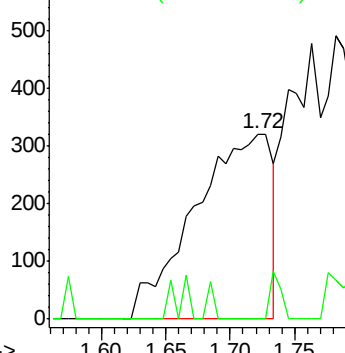
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 8.284 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

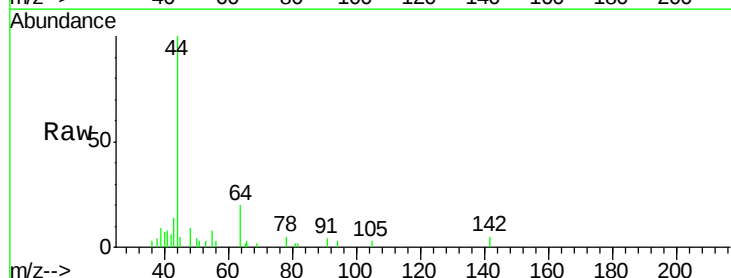
Tgt Ion:142 Resp: 132

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

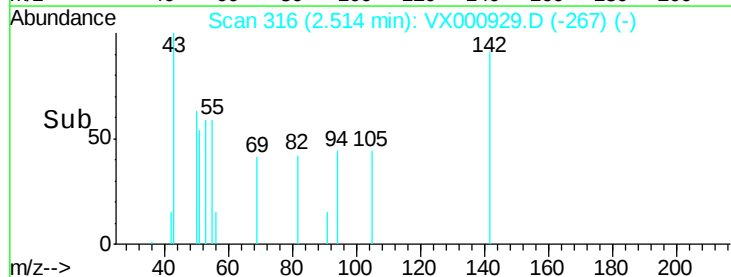
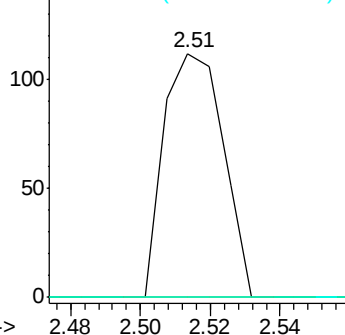
141 0.0 11.5 17.3#

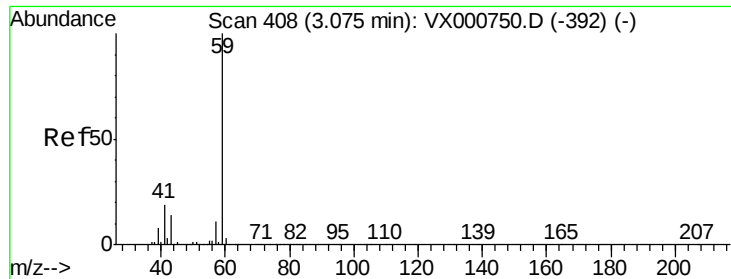


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



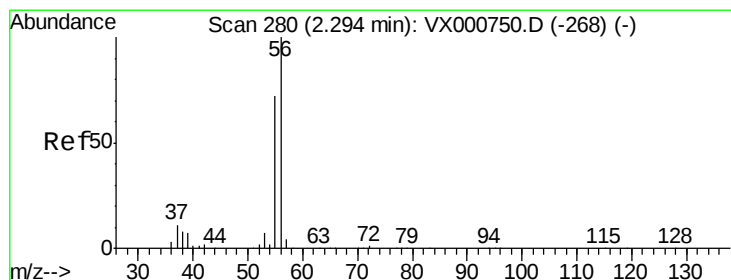
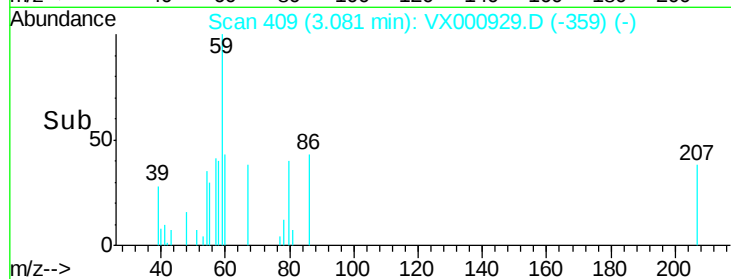
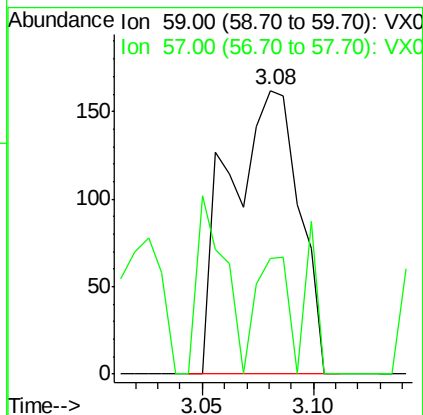
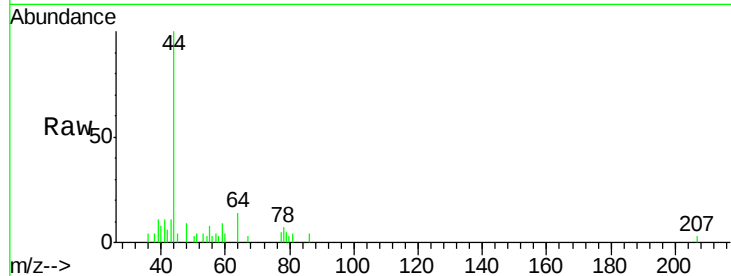


#11

Tert butvl alcohol
Concen: 0.585 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

Instrument :
MSVOA_X
ClientSampled :

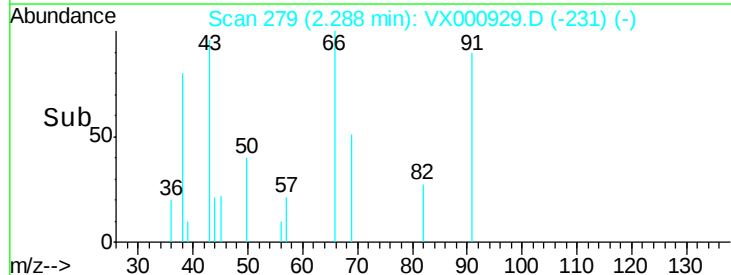
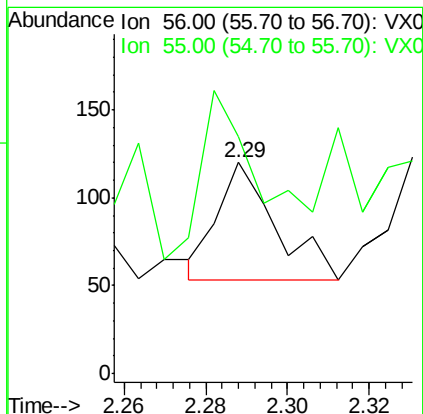
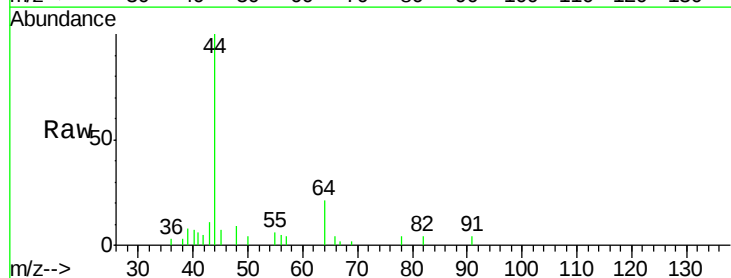
Tot Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 18.9 8.4 12.6#

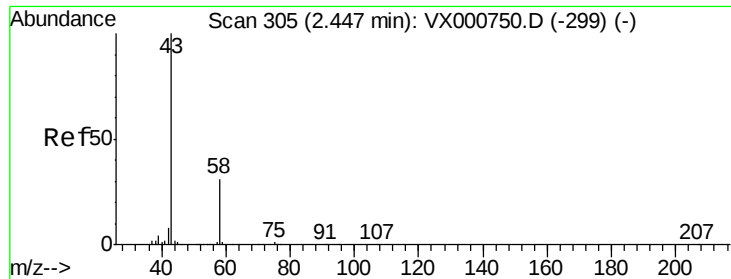


#13

Acrolein
Concen: 0.225 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

Tgt Ion: 56 Resp: 66
Ion Ratio Lower Upper
56 100
55 153.0 58.7 88.1#





#16

Acetone

Concen: 0.652 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

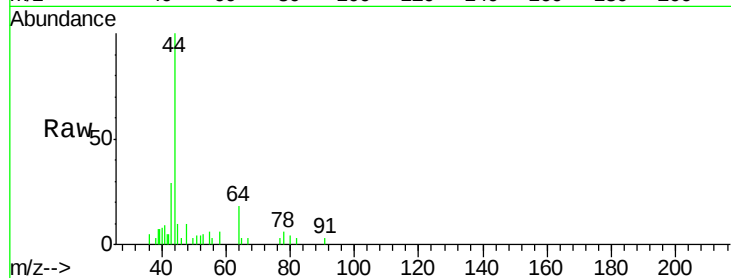
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 766

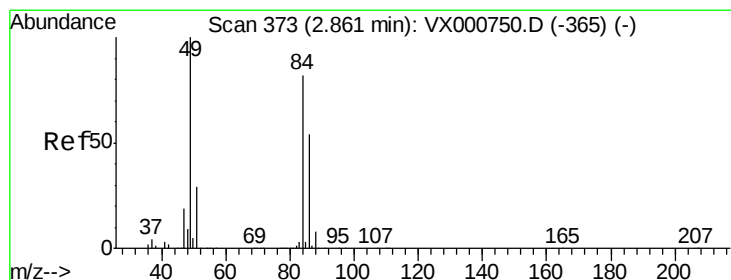
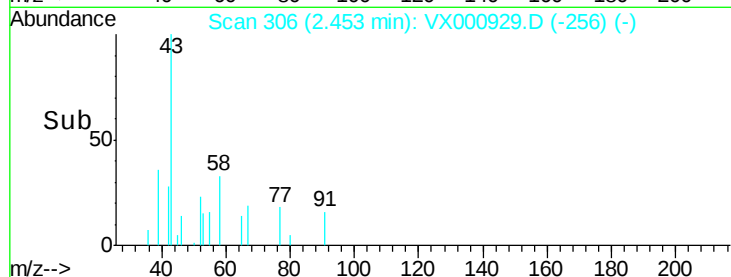
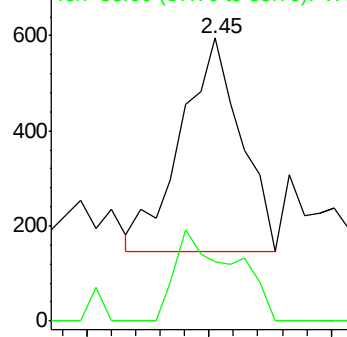
Ion Ratio Lower Upper

43 100

58 28.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.331 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Tgt Ion: 84 Resp: 905

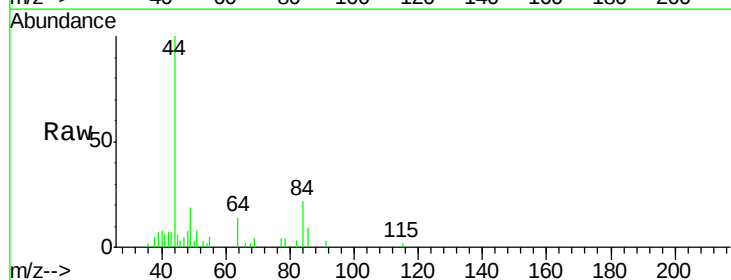
Ion Ratio Lower Upper

84 100

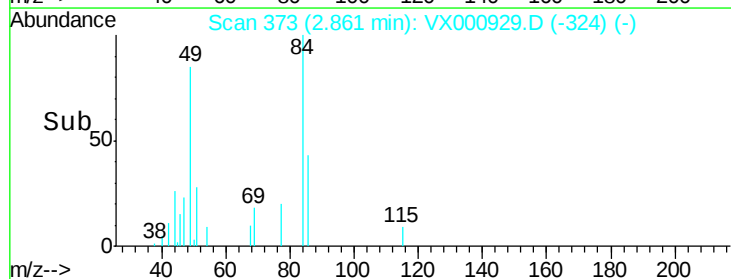
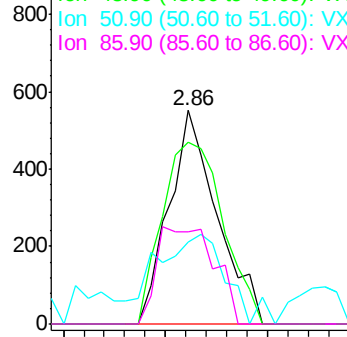
49 85.0 98.1 147.1#

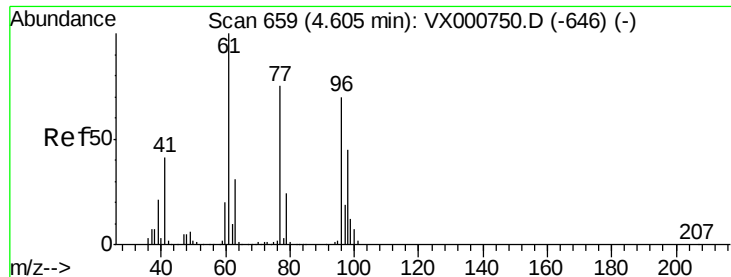
51 38.4 28.9 43.3

86 43.1 52.7 79.1#



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





#27

cis-1,2-Dichloroethene

Concen: 1.043 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

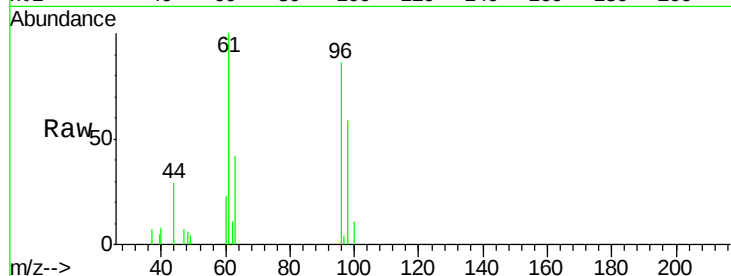
Tot Ion: 96 Resp: 3237

Ion Ratio Lower Upper

96 100

61 124.2 0.0 292.4

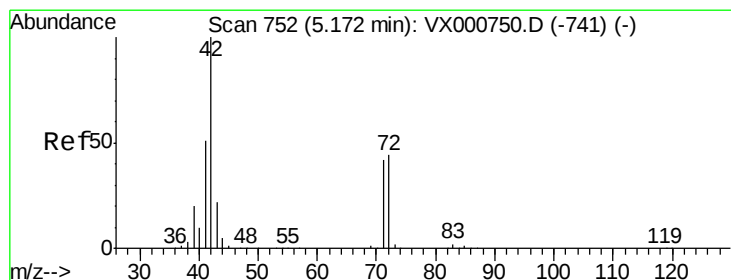
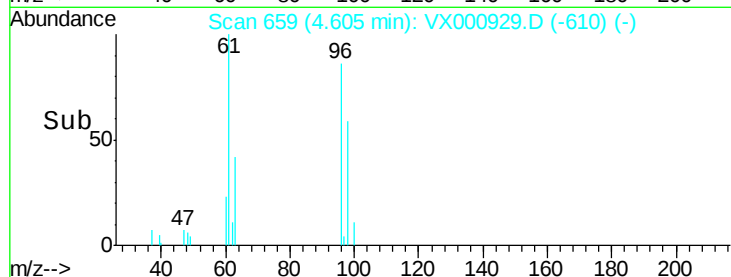
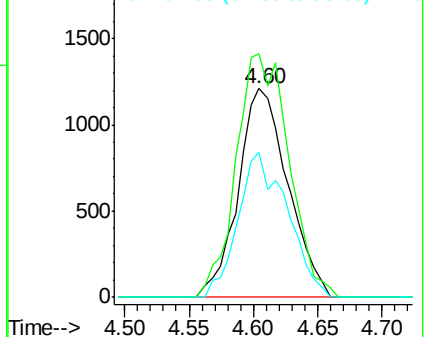
98 69.0 0.0 130.2



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: 0.834 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

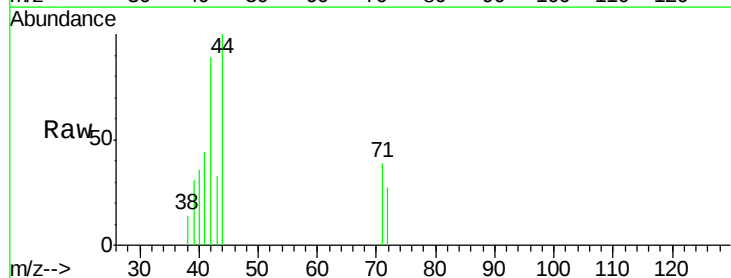
Tgt Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 14.5 35.1 52.7#

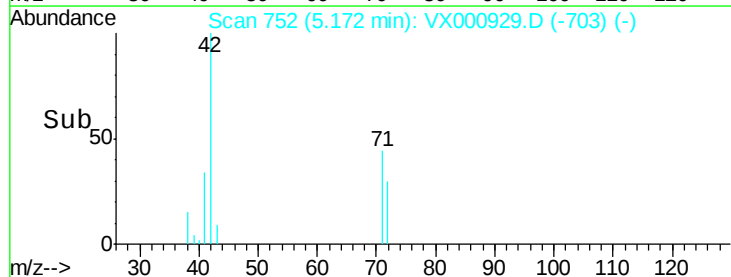
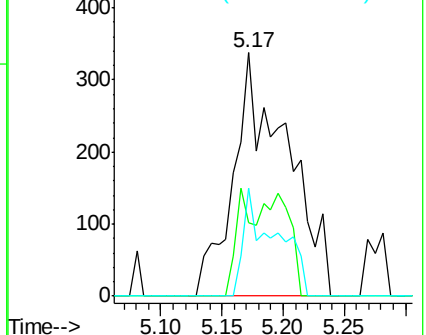
71 26.7 32.8 49.2#

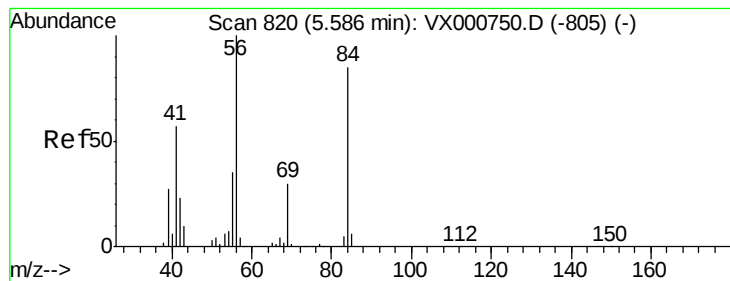


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Instrument :

MSVOA_X

ClientSampled :

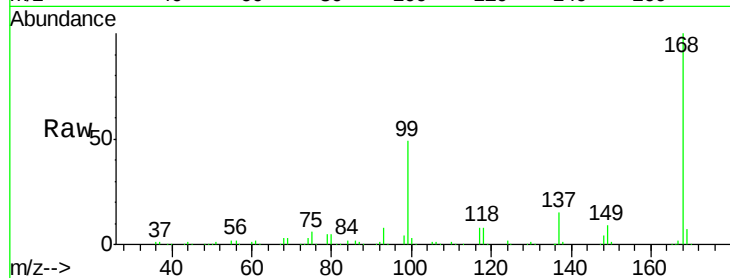
Tot Ion: 56 Resp: 4375

Ion Ratio Lower Upper

56 100

69 174.7 24.2 36.4#

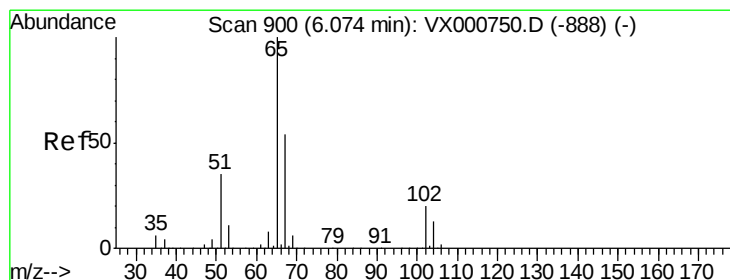
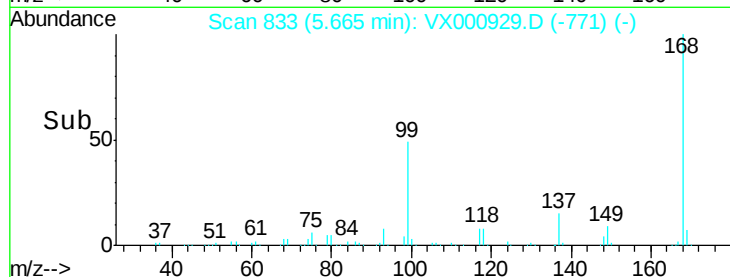
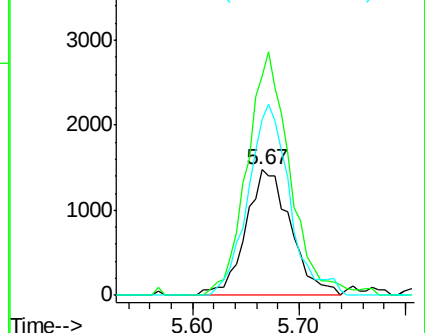
84 140.1 67.6 101.4#



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



#33

1,2-Dichloroethane-d4

Concen: 47.112 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000929.D

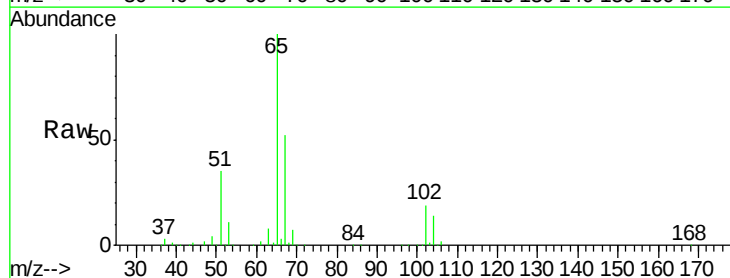
Acq: 16 Apr 2018 19:40

Tgt Ion: 65 Resp: 160482

Ion Ratio Lower Upper

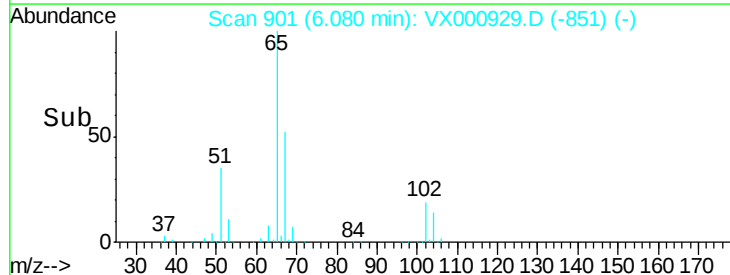
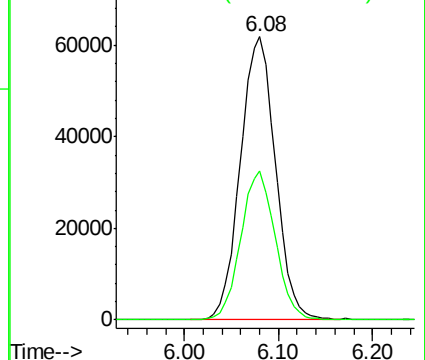
65 100

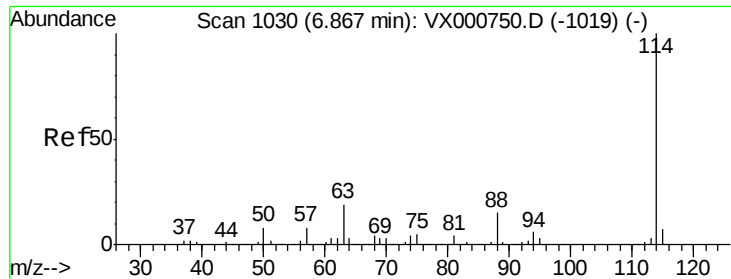
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

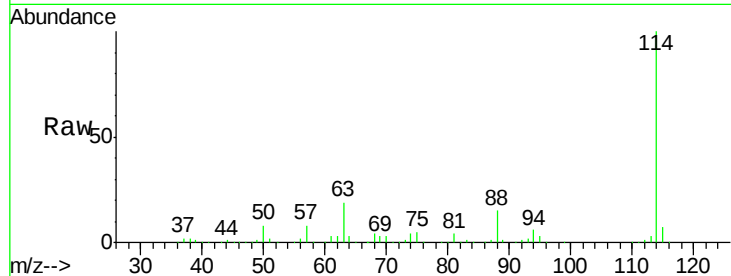
Tot Ion:114 Resp: 364199

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

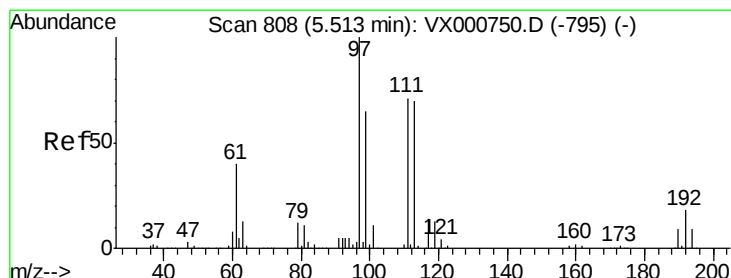
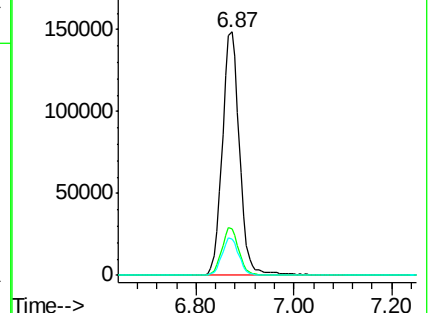
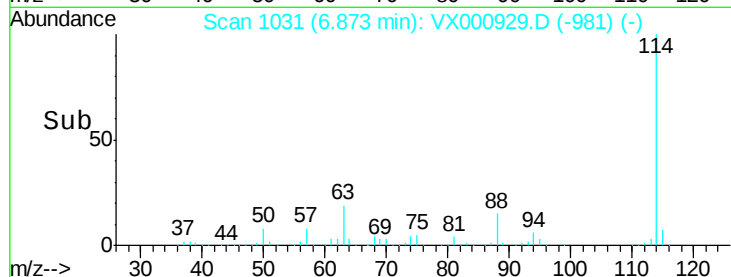
88 14.9 0.0 31.0



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: 45.470 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

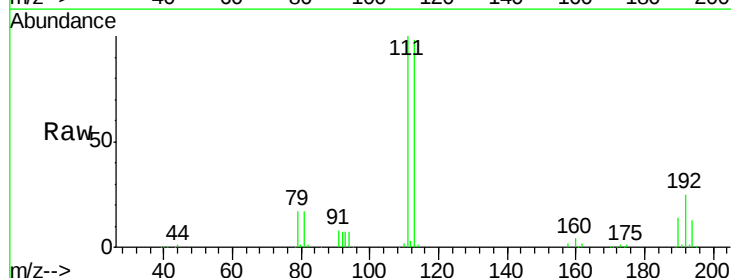
Tgt Ion:113 Resp: 127586

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

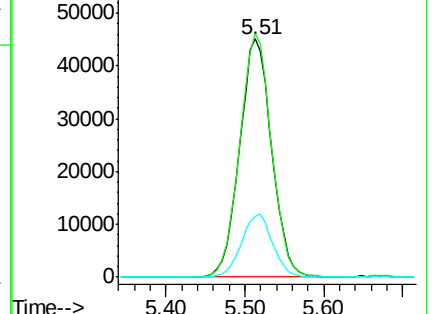
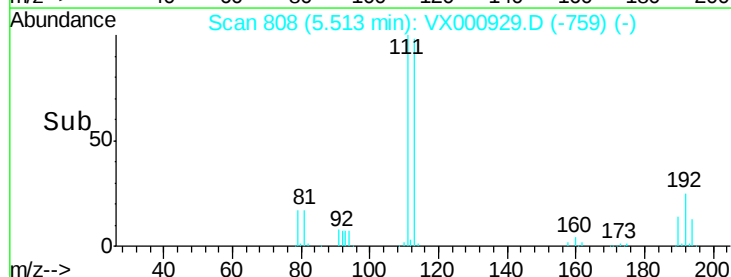
192 25.8 20.4 30.6

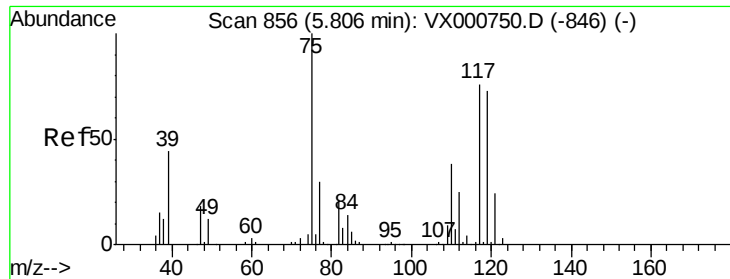


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

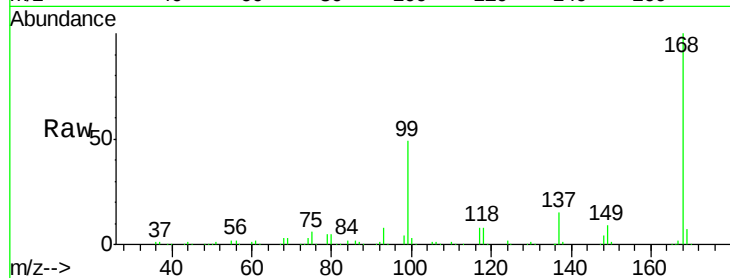




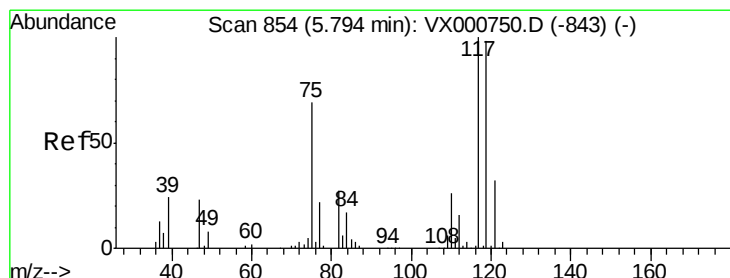
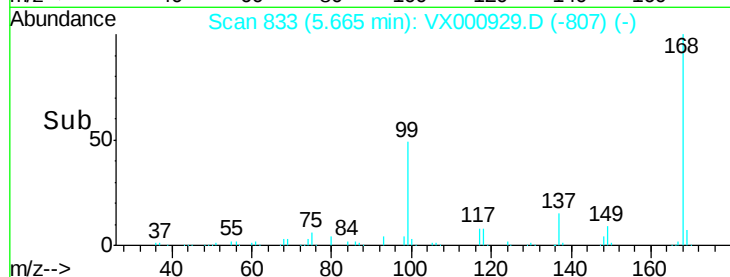
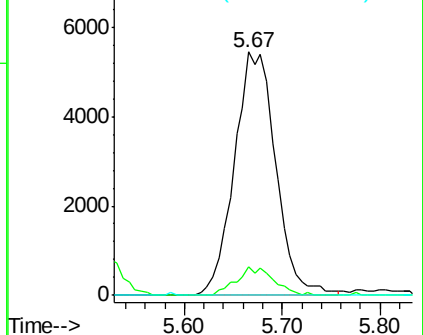
#36
 1,1-Dichloropropene
 Concen: 3.994 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX000929.D
 Acq: 16 Apr 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 16021
 Ion Ratio Lower Upper
 75 100
 110 10.5 19.2 57.6#
 77 0.0 25.4 38.2#

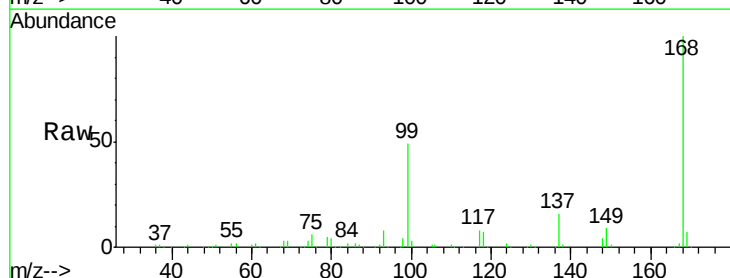


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

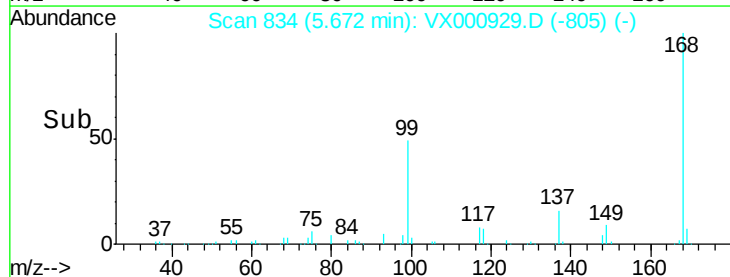
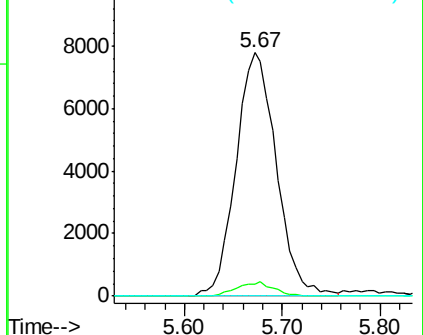


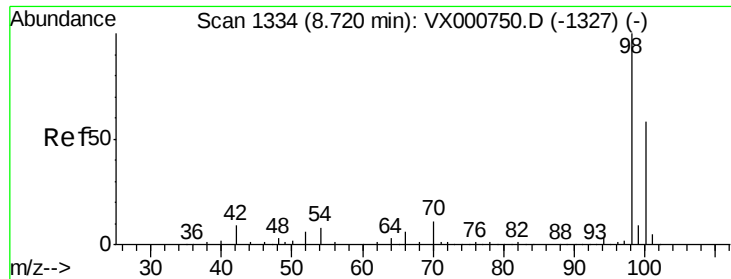
#38
 Carbon Tetrachloride
 Concen: 4.976 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000929.D
 Acq: 16 Apr 2018 19:40

Tgt Ion: 117 Resp: 22338
 Ion Ratio Lower Upper
 117 100
 119 4.7 78.4 117.6#
 121 0.0 25.4 38.0#



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

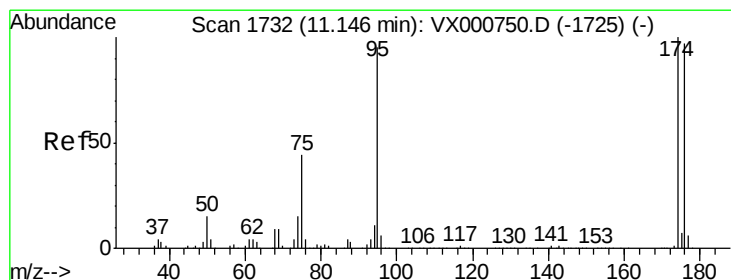
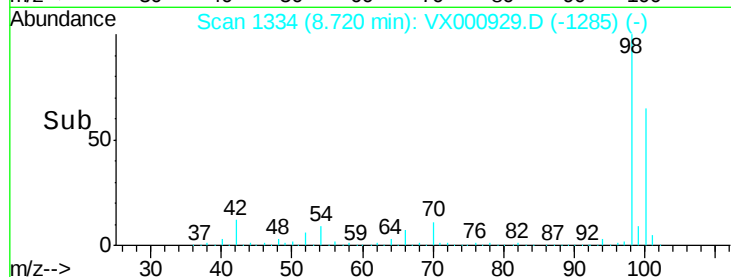
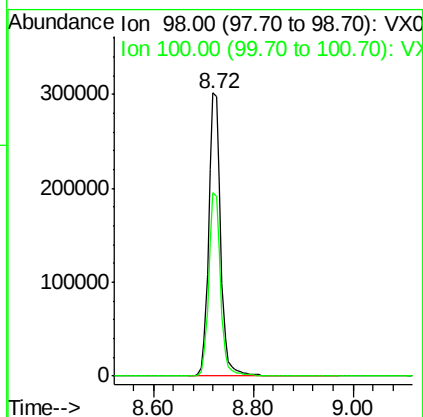
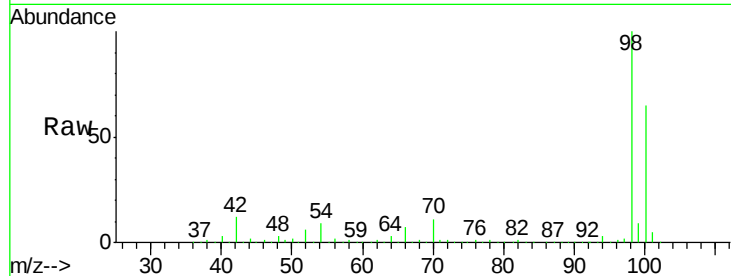




#50
Toluene-d8
Concen: 48.549 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

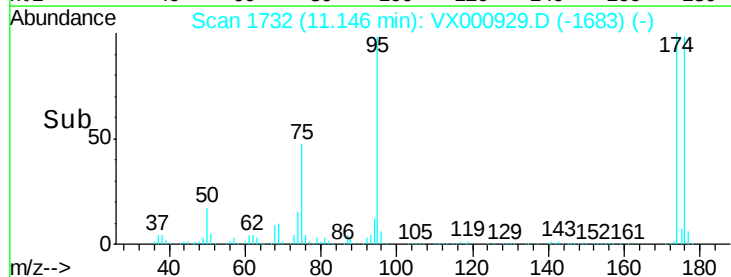
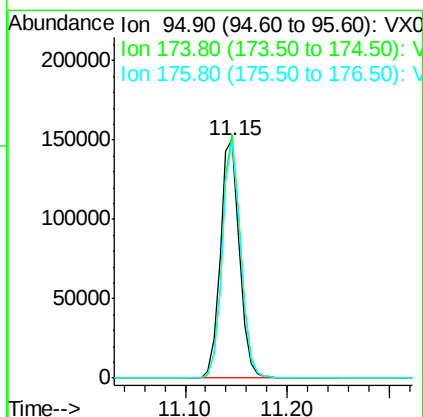
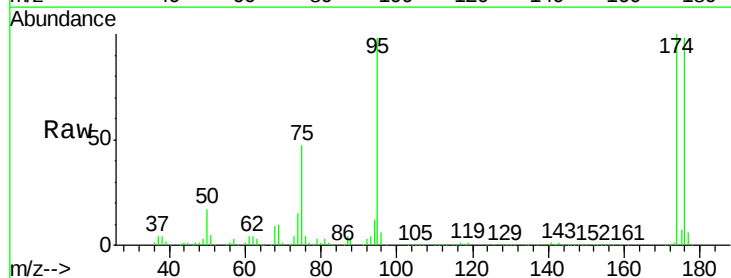
Instrument :
MSVOA_X
ClientSampleId :

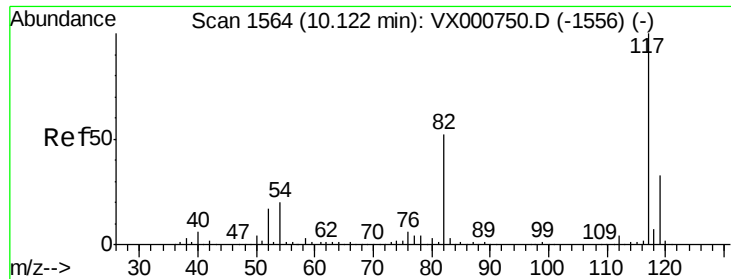
Tot Ion: 98 Resp: 507216
Ion Ratio Lower Upper
98 100
100 64.4 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 45.715 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

Tgt Ion: 95 Resp: 197603
Ion Ratio Lower Upper
95 100
174 97.8 0.0 198.4
176 95.3 0.0 194.4

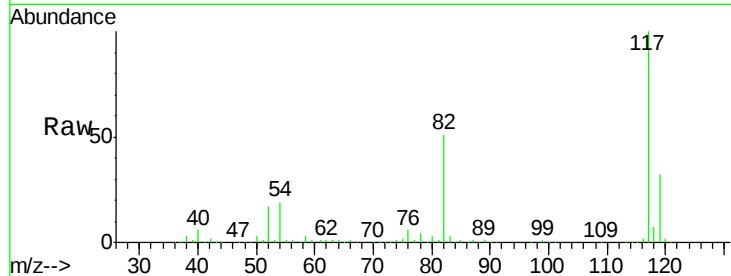




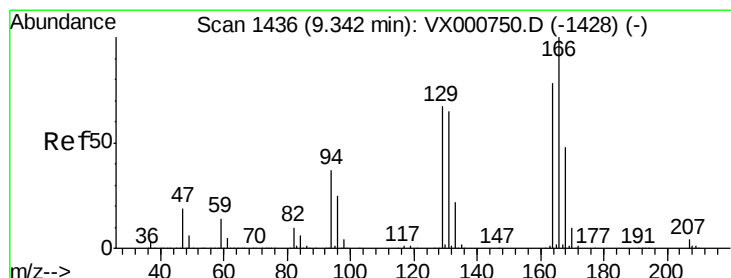
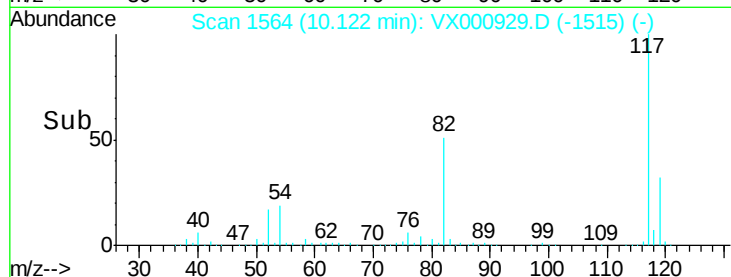
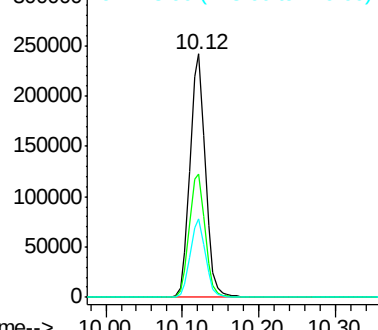
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 338151
Ion Ratio Lower Upper
117 100
82 50.5 41.9 62.9
119 32.1 26.0 39.0



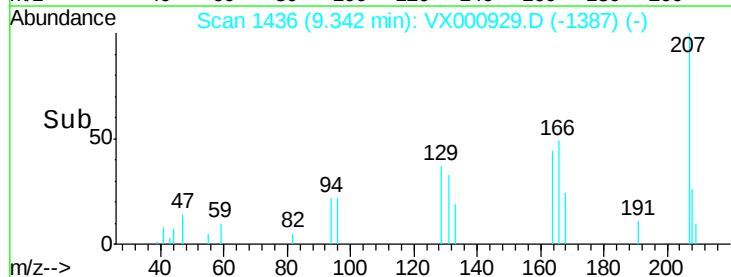
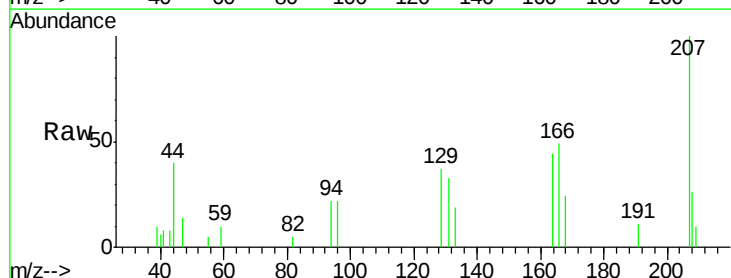
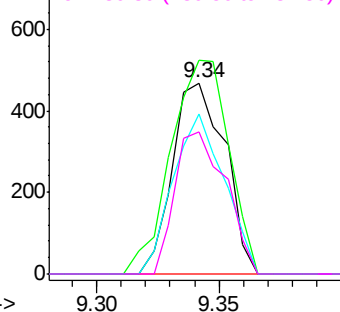
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

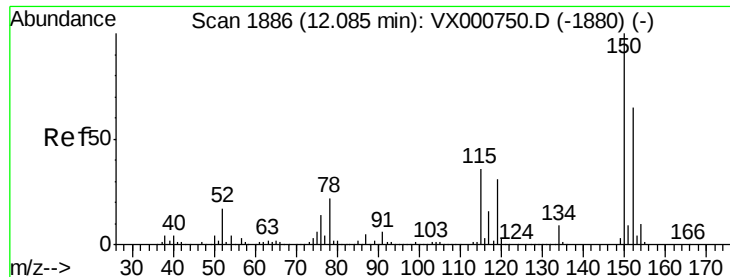


#64
Tetrachloroethene
Concen: 0.212 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000929.D
Acq: 16 Apr 2018 19:40

Tgt Ion:164 Resp: 701
Ion Ratio Lower Upper
164 100
166 111.7 102.8 154.2
129 83.4 68.5 102.7
131 74.0 66.6 100.0

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000929.D

Acq: 16 Apr 2018 19:40

Instrument :

MSVOA_X

ClientSampleId :

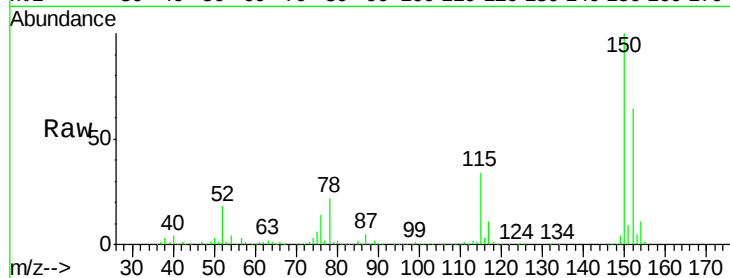
Tot Ion:152 Resp: 221668

Ion Ratio Lower Upper

152 100

115 53.6 37.9 113.7

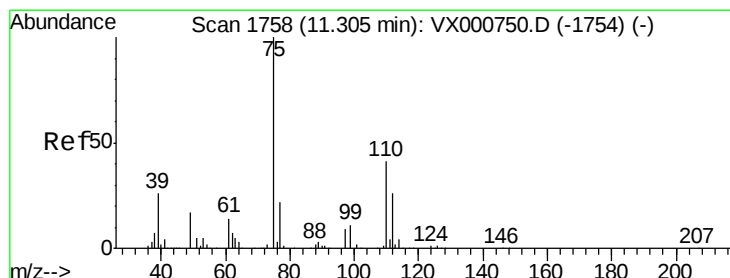
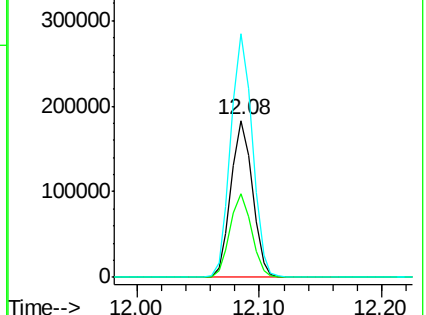
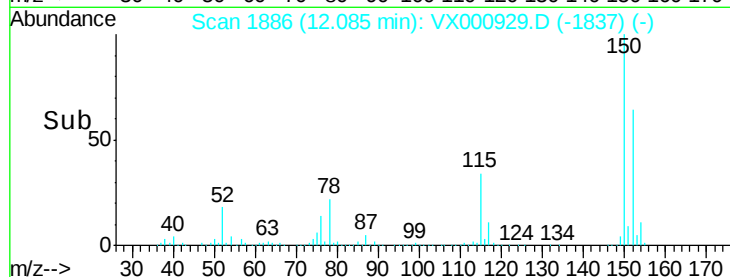
150 156.1 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.467 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000929.D

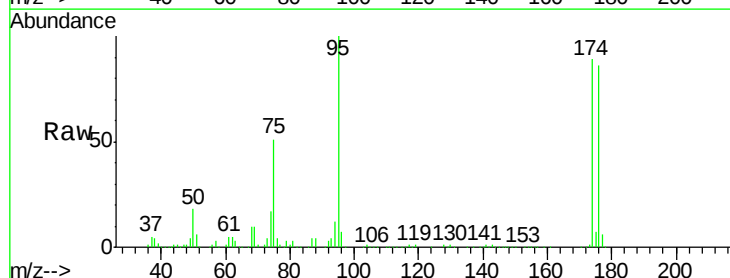
Acq: 16 Apr 2018 19:40

Tgt Ion: 75 Resp: 97359

Ion Ratio Lower Upper

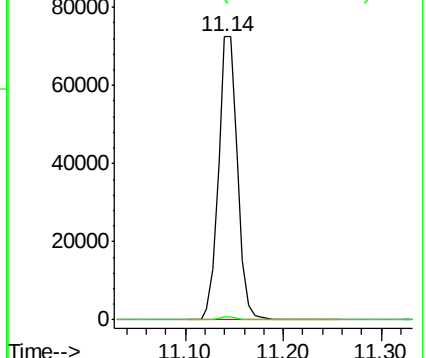
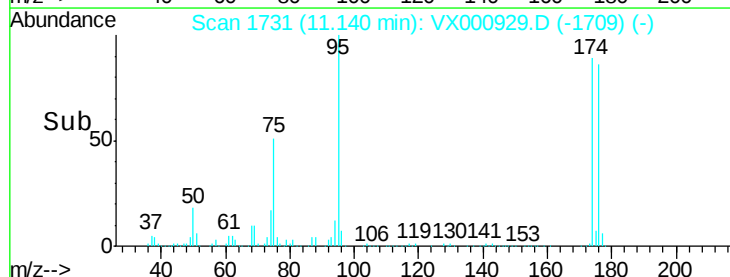
75 100

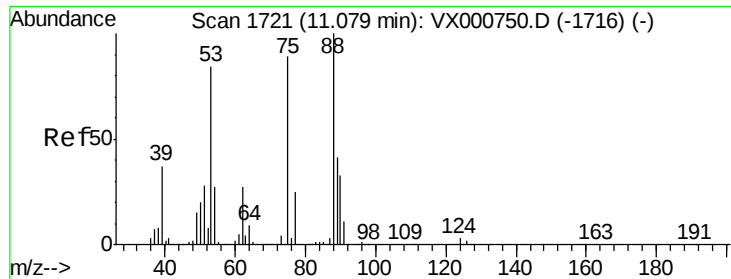
77 1.2 20.5 61.5#



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: 70.055 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000929.D
 Acq: 16 Apr 2018 19:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 97359
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

