

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000447.D
 Acq On : 26 Mar 2018 17:55
 Operator : JC/MD
 Sample : J2050-06 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 05:54:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	107235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	85256	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	78759	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	5.52	113	61726	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.73	98	235878	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.15	95	76235	37.67	ug/l	0.00
Spiked Amount			Recovery	=	75.34%	

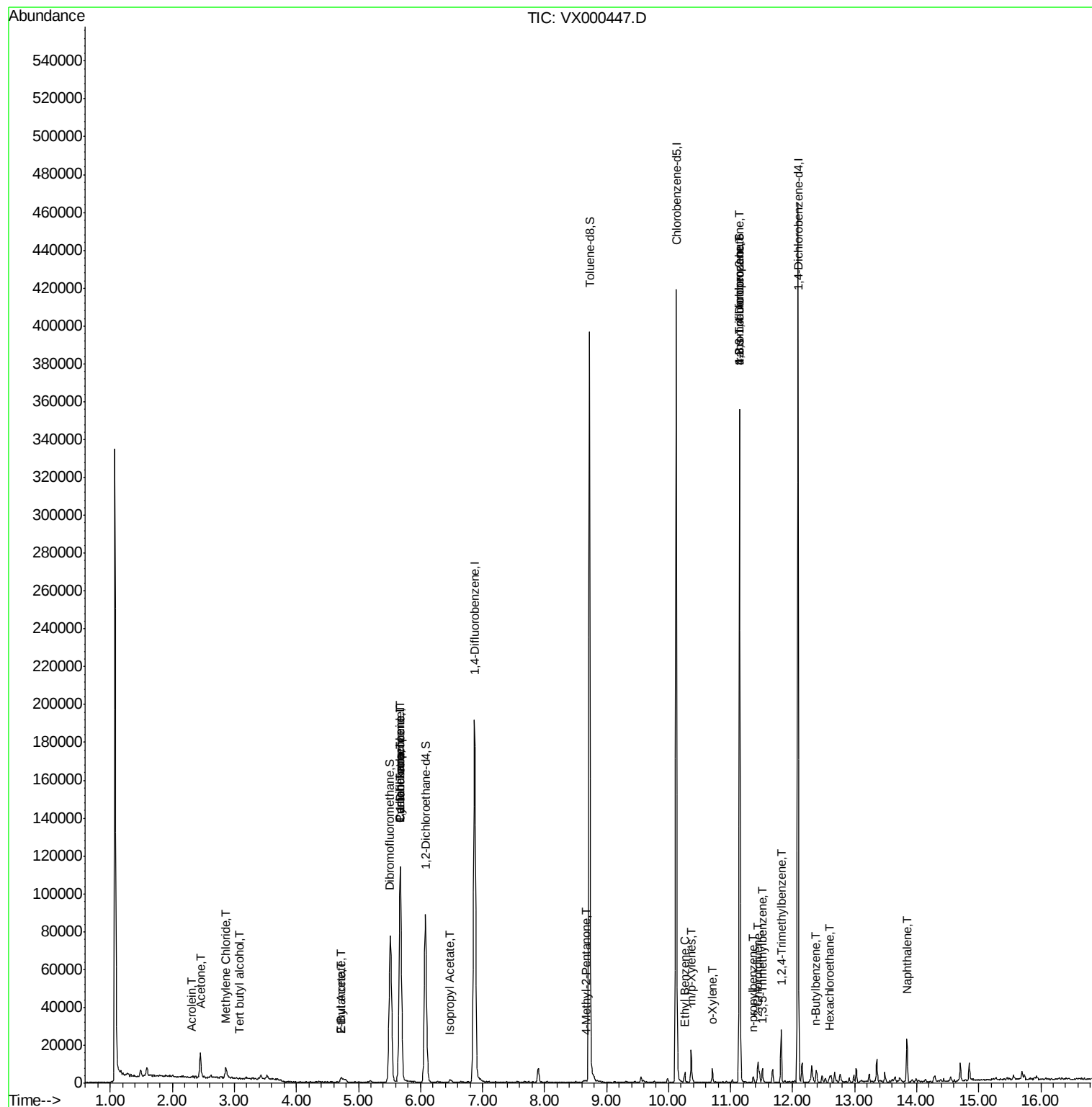
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	42	Below Cal	#	44
11) Tert butyl alcohol	3.09	59	140	0.291	ug/l #	72
13) Acrolein	2.31	56	83	15.087	ug/l #	60
14) Allyl chloride	2.75	41	152	Below Cal	#	25
16) Acetone	2.45	43	13937	11.969	ug/l	96
20) Methylene Chloride	2.86	84	2341	1.741	ug/l #	84
25) 2-Butanone	4.72	43	4018	3.070	ug/l	96
31) Cyclohexane	5.68	56	2586	1.464	ug/l #	1
36) 1,1-Dichloropropene	5.68	75	7472	4.145	ug/l #	53
37) Ethyl Acetate	4.72	43	4018	1.632	ug/l #	69
38) Carbon Tetrachloride	5.67	117	10125	5.354	ug/l #	18
43) Isopropyl Acetate	6.48	43	1759	0.480	ug/l #	78
51) 4-Methyl-2-Pentanone	8.66	43	1151	0.406	ug/l #	75
67) Ethyl Benzene	10.26	91	3040	0.448	ug/l	93
68) m/p-Xylenes	10.37	106	3597	1.347	ug/l	92
69) o-Xylene	10.71	106	1374	0.531	ug/l	95
74) N-amyl acetate	6.48	43	1759	Below Cal	#	72
76) 1,2,3-Trichloropropane	11.15	75	44262	24.157	ug/l #	35
78) n-propylbenzene	11.37	91	1901	0.282	ug/l	86
79) 2-Chlorotoluene	11.44	91	1262	0.324	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	3156	0.664	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.15	75	44262	78.211	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	10920	2.193	ug/l	95
89) n-Butylbenzene	12.38	91	1055	0.215	ug/l #	46
90) Hexachloroethane	12.60	117	362	0.437	ug/l #	12
95) Naphthalene	13.84	128	11867	1.704	ug/l	95

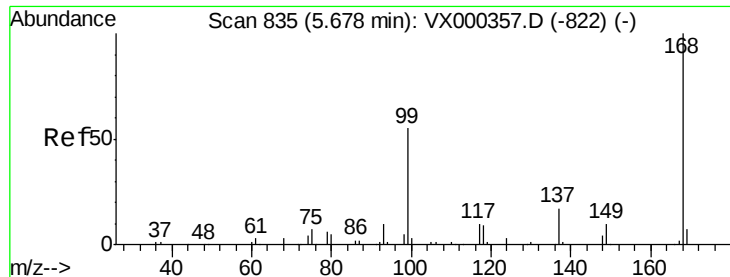
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 27 05:54:32 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

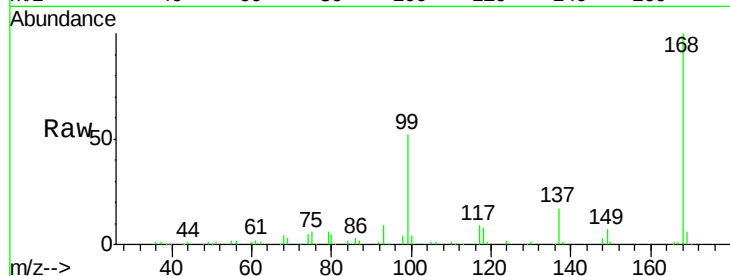
ClientSampled :

Tot Ion:168 Resp: 107235

Ion Ratio Lower Upper

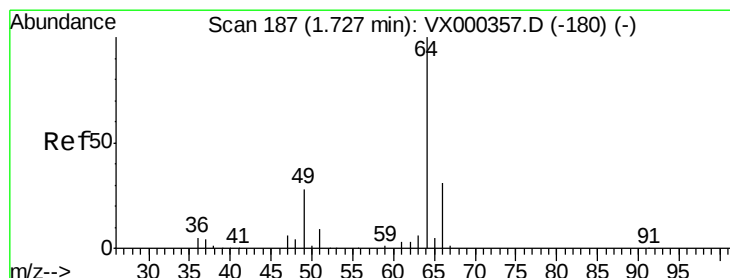
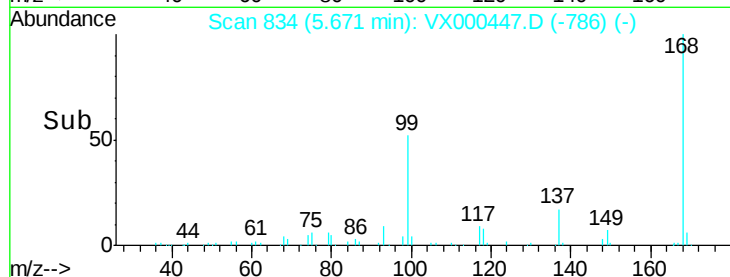
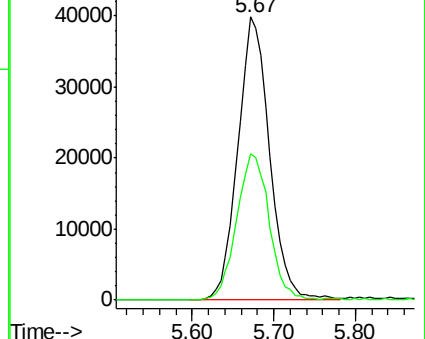
168 100

99 51.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000447.D

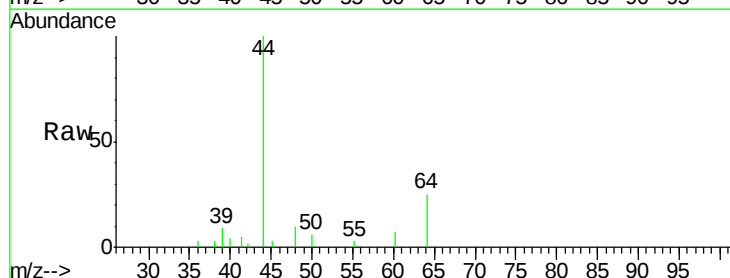
Acq: 26 Mar 2018 17:55

Tgt Ion: 64 Resp: 42

Ion Ratio Lower Upper

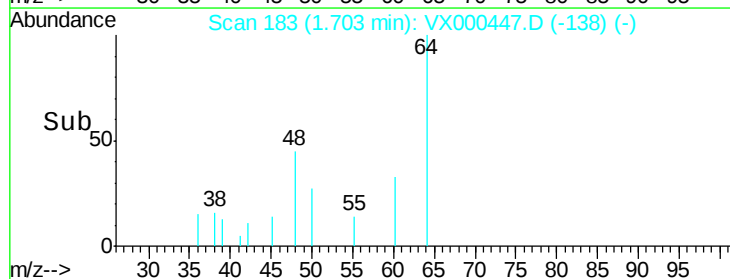
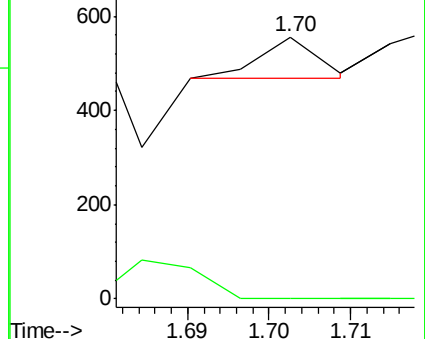
64 100

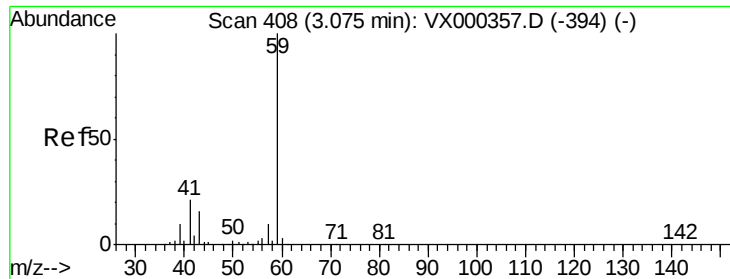
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

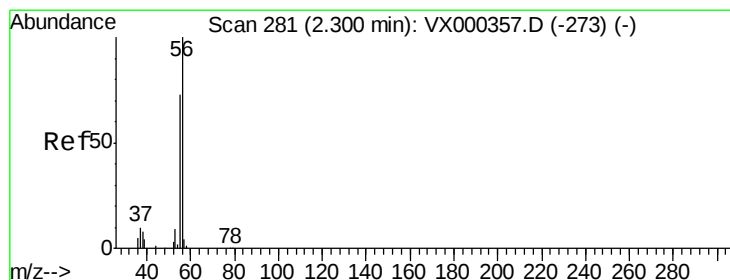
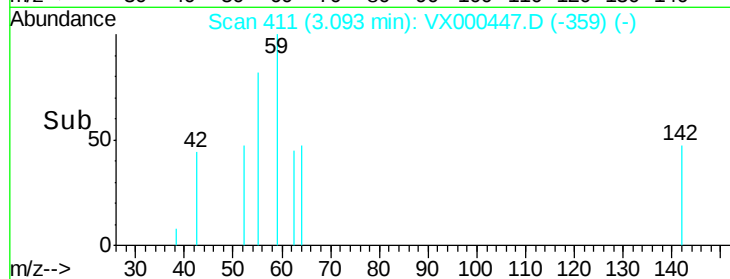
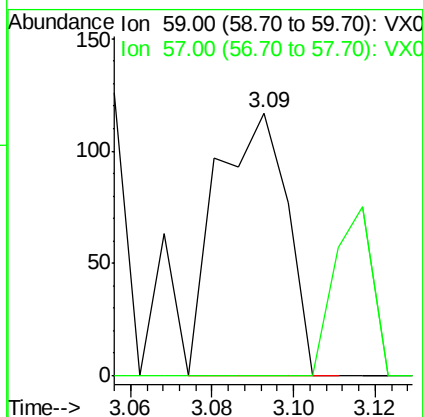
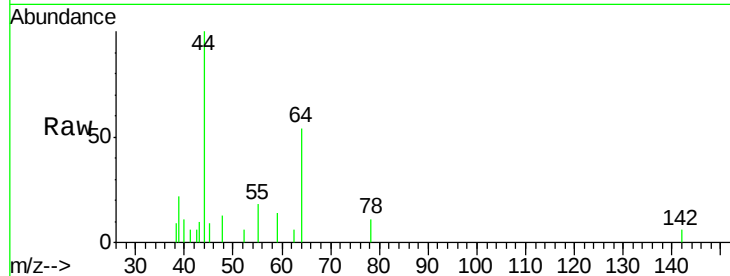




#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

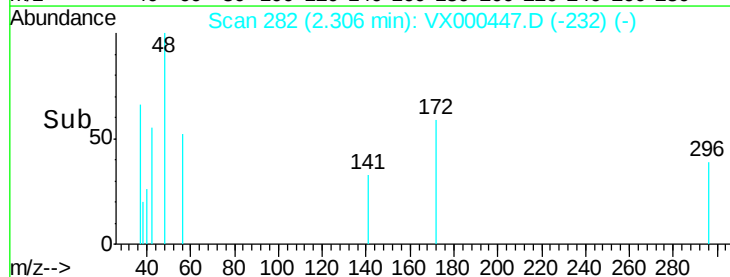
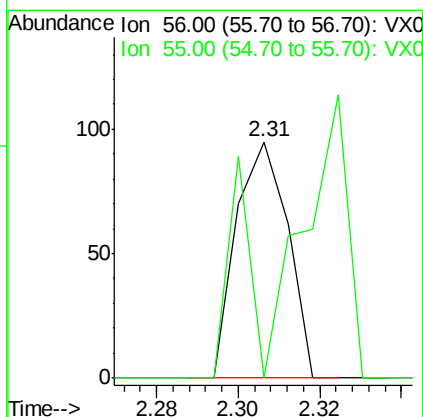
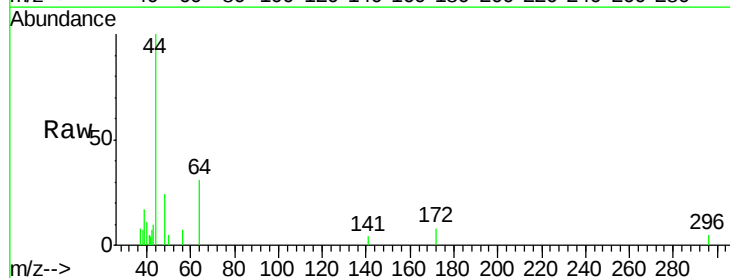
Instrument :
MSVOA_X
ClientSampled :

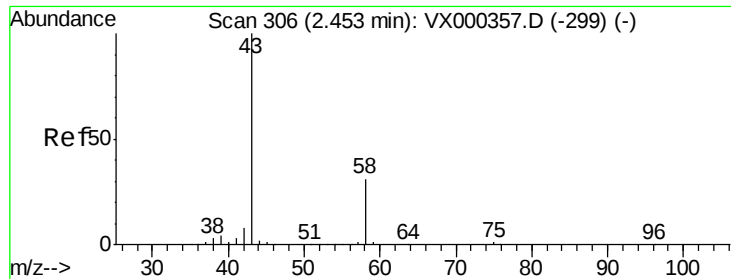
Tot Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 15.087 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 39.8 58.8 88.2#





#16

Acetone

Concen: 11.969 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

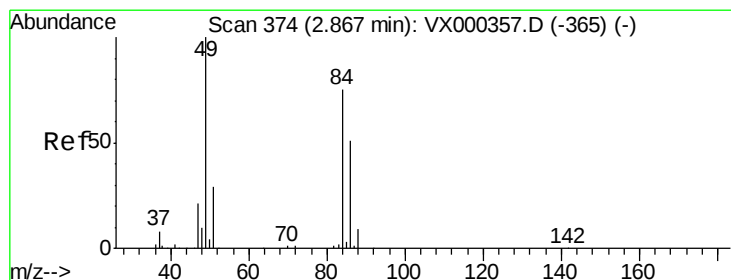
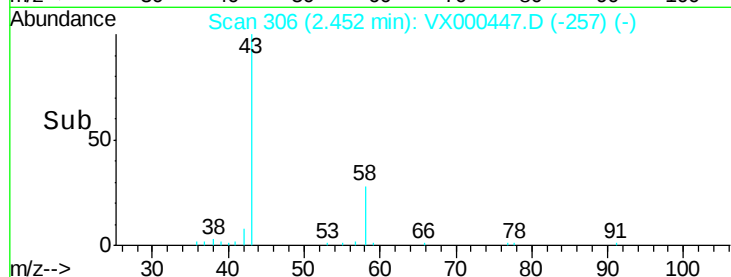
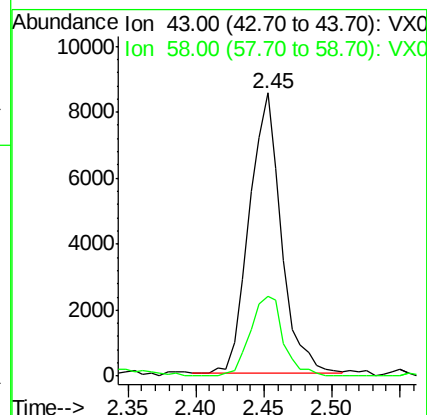
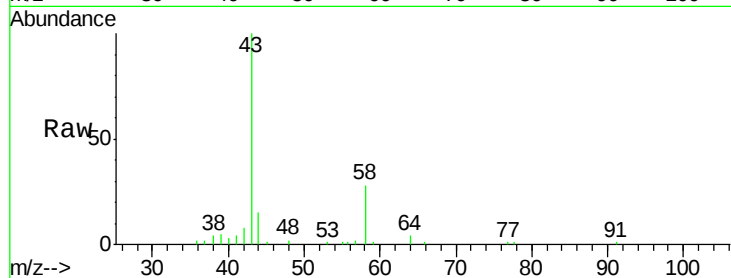
ClientSampleId :

Tot Ion: 43 Resp: 13937

Ion Ratio Lower Upper

43 100

58 28.5 24.7 37.1



#20

Methylene Chloride

Concen: 1.741 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Tgt Ion: 84 Resp: 2341

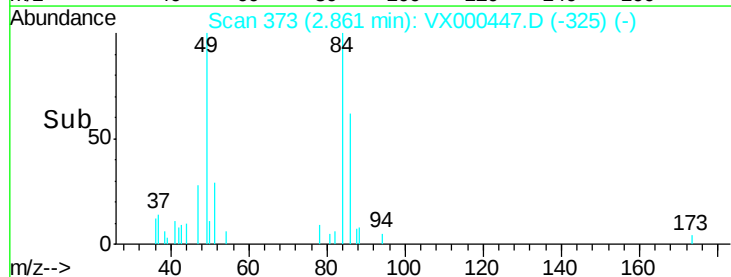
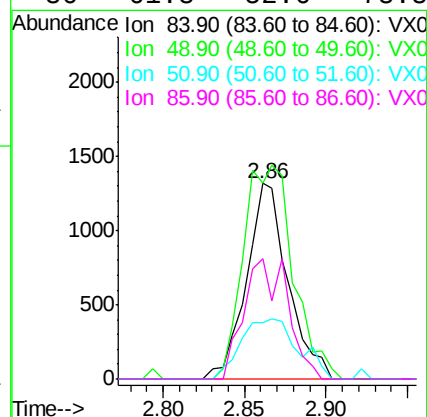
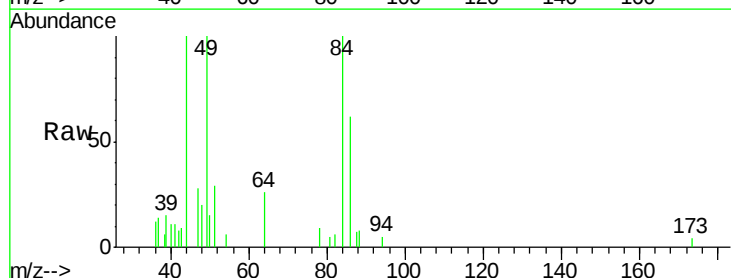
Ion Ratio Lower Upper

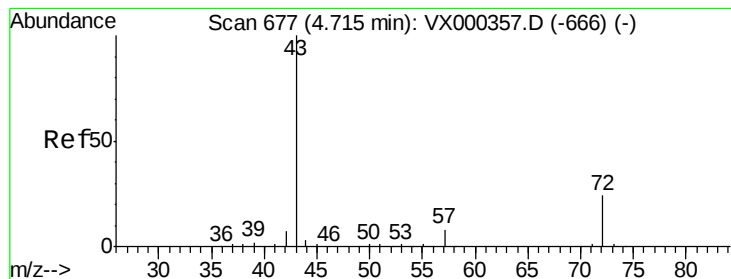
84 100

49 100.4 100.6 151.0#

51 28.9 31.6 47.4#

86 61.8 52.6 78.8





#25

2-Butanone

Concen: 3.070 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

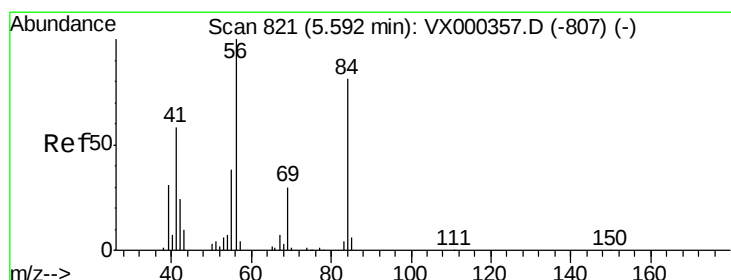
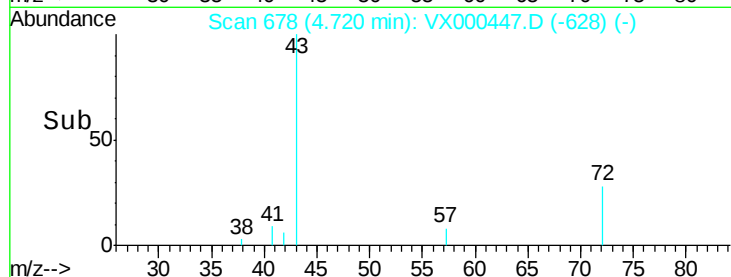
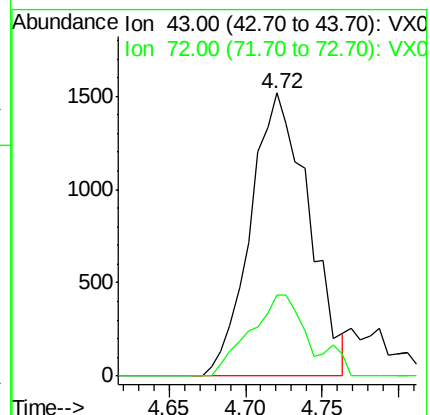
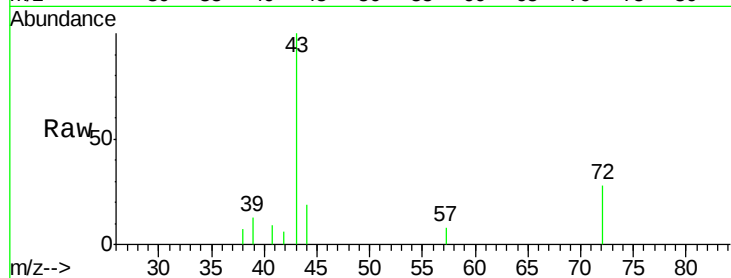
ClientSampled :

Tot Ion: 43 Resp: 4018

Ion Ratio Lower Upper

43 100

72 28.5 21.0 31.6



#31

Cyclohexane

Concen: 1.464 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

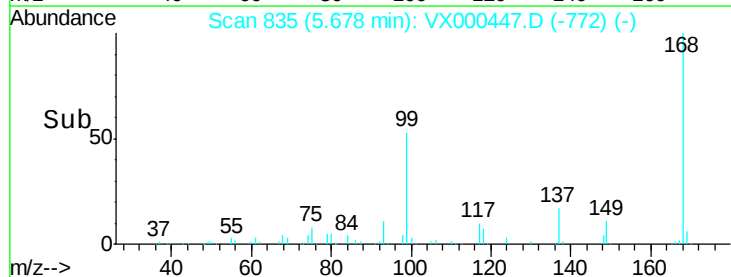
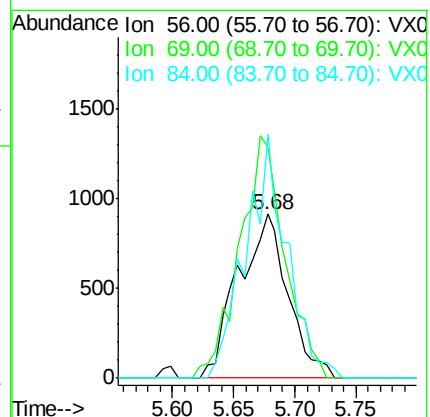
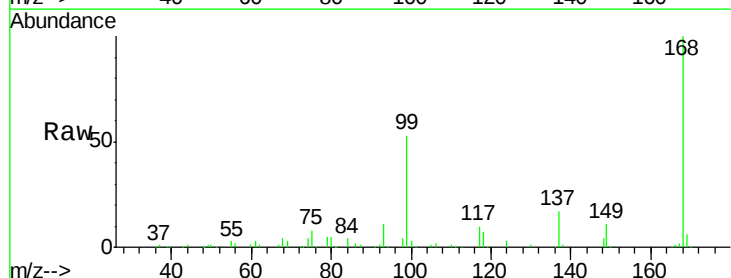
Tgt Ion: 56 Resp: 2586

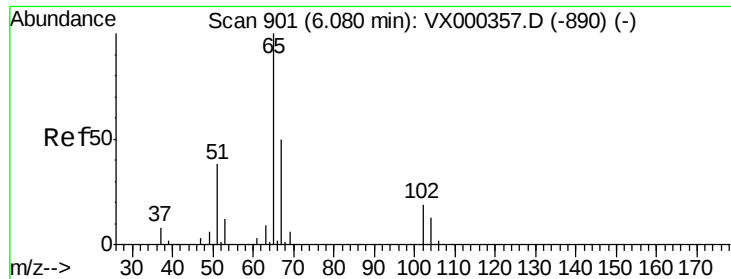
Ion Ratio Lower Upper

56 100

69 140.7 23.4 35.0#

84 148.6 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 56.265 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

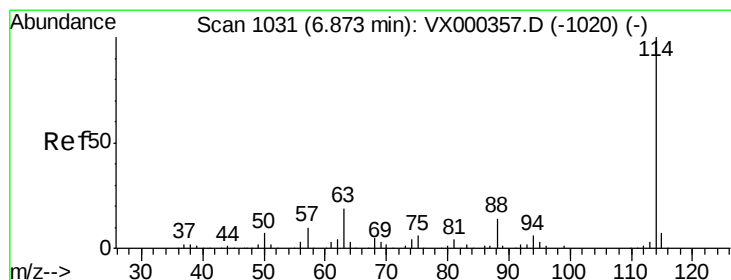
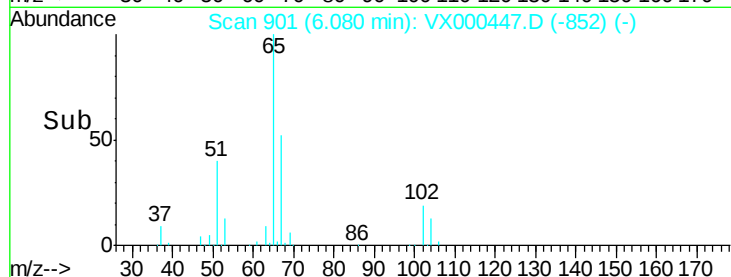
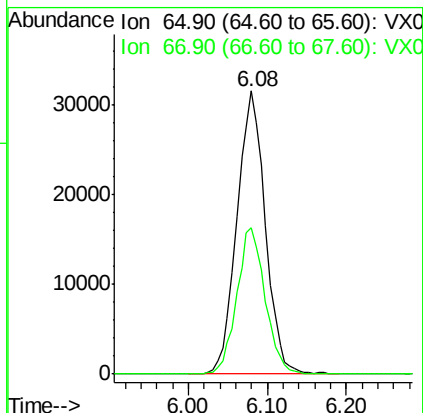
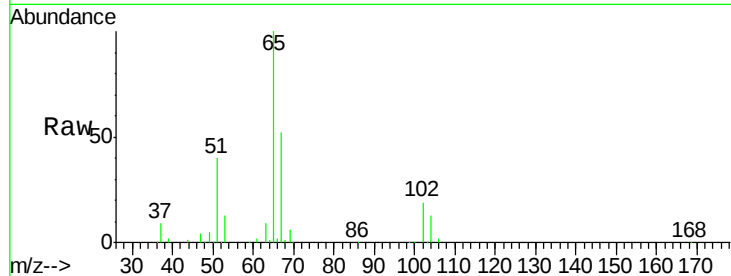
ClientSampleId :

Tot Ion: 65 Resp: 78759

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

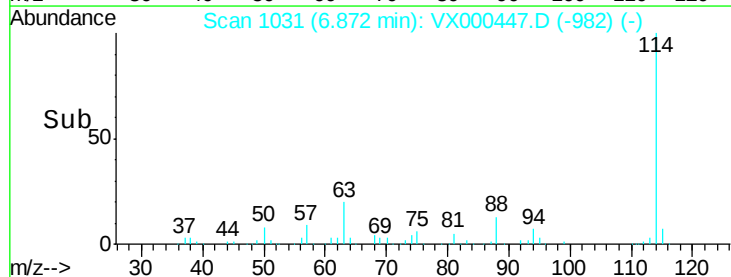
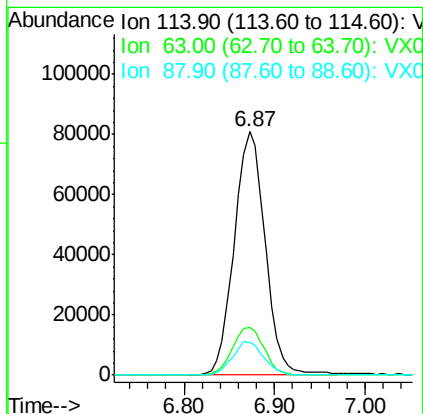
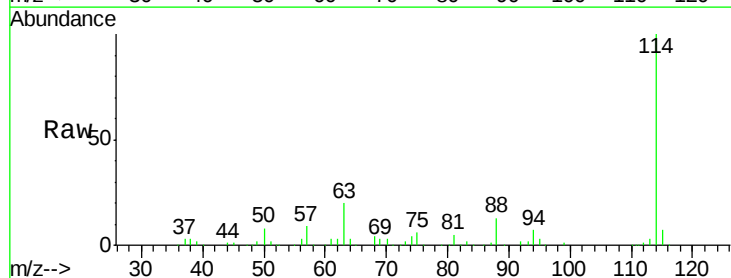
Tgt Ion: 114 Resp: 192433

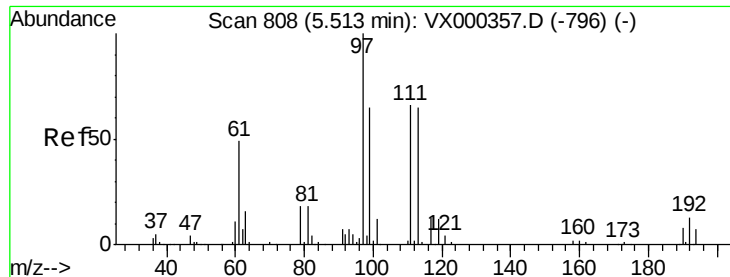
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 13.3 0.0 27.0

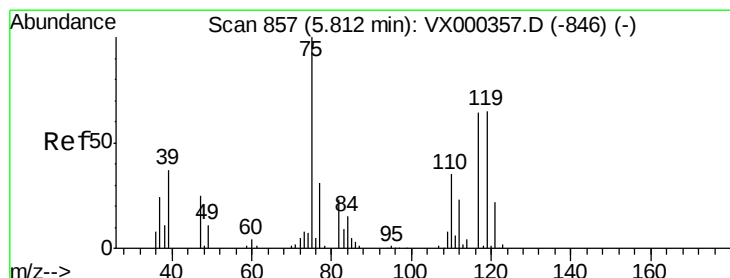
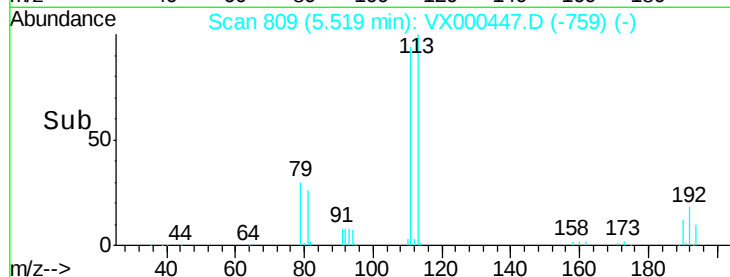
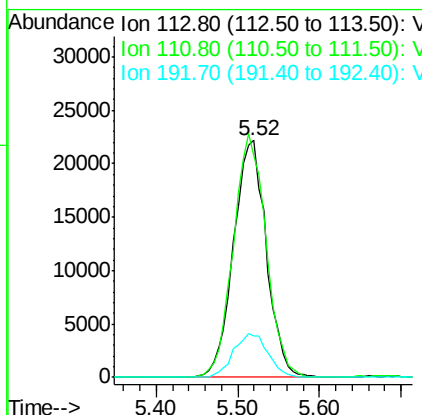
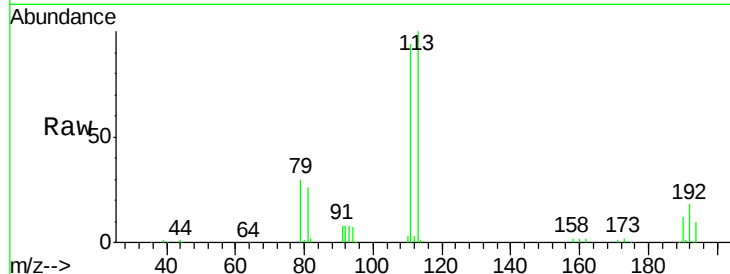




#35
 Dibromofluoromethane
 Concen: 50.908 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000447.D
 Acq: 26 Mar 2018 17:55

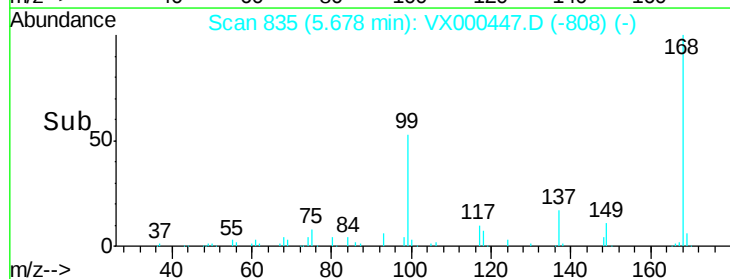
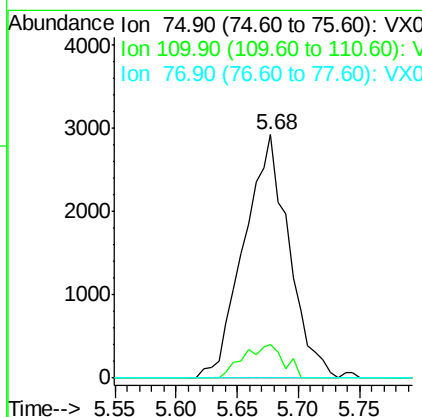
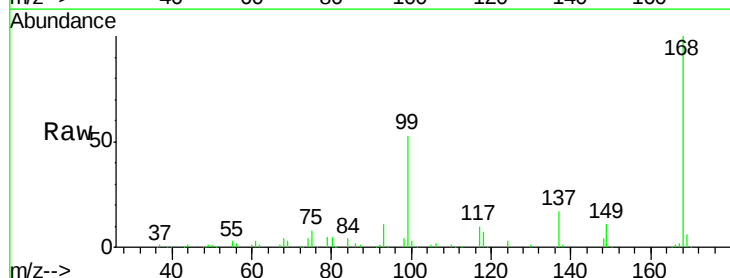
Instrument :
 MSVOA_X
 ClientSampleId :

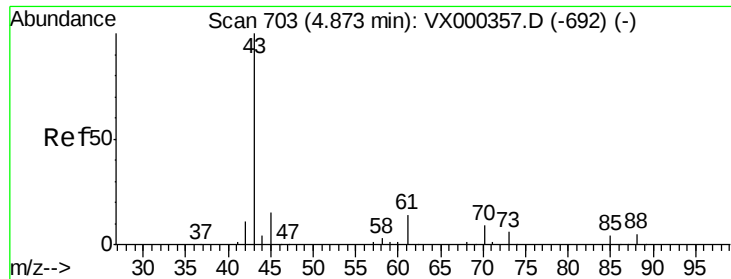
Tot Ion:113 Resp: 61726
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 19.3 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.145 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000447.D
 Acq: 26 Mar 2018 17:55

Tgt Ion: 75 Resp: 7472
 Ion Ratio Lower Upper
 75 100
 110 12.4 17.9 53.7#
 77 0.0 24.0 36.0#

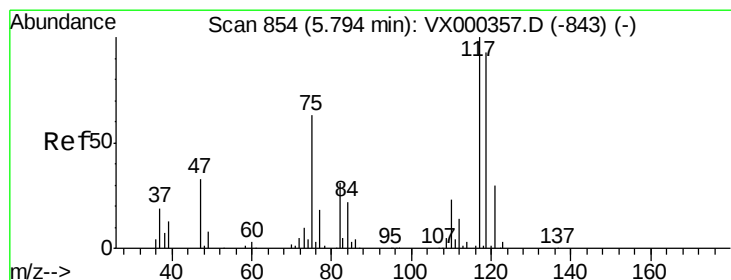
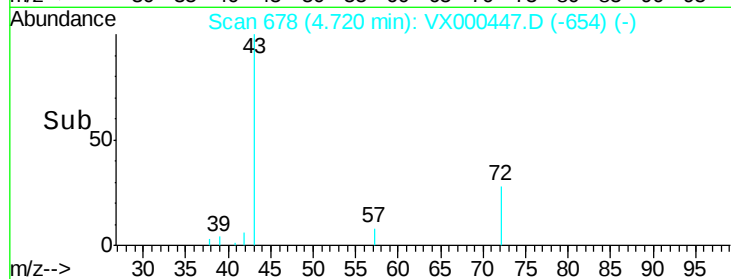
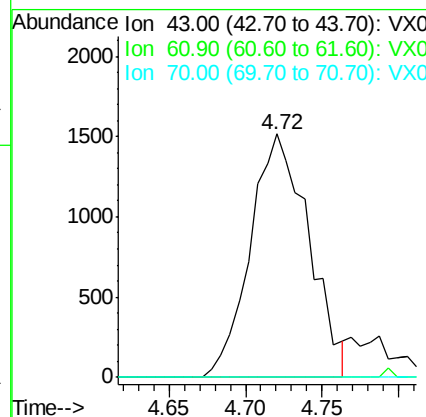
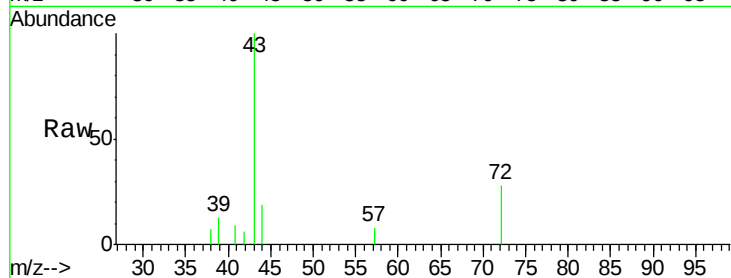




#37
Ethyl Acetate
Concen: 1.632 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.15 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

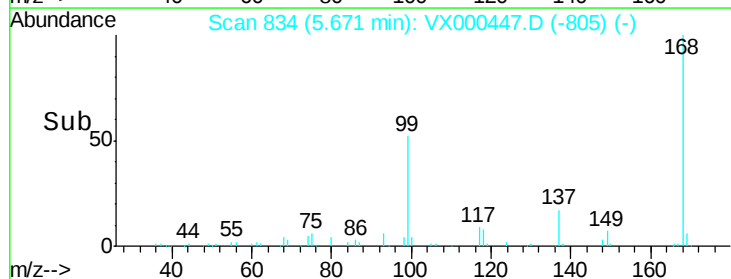
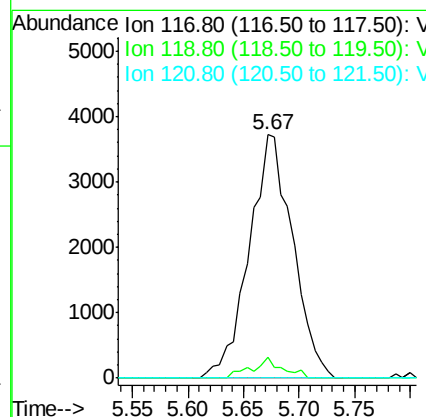
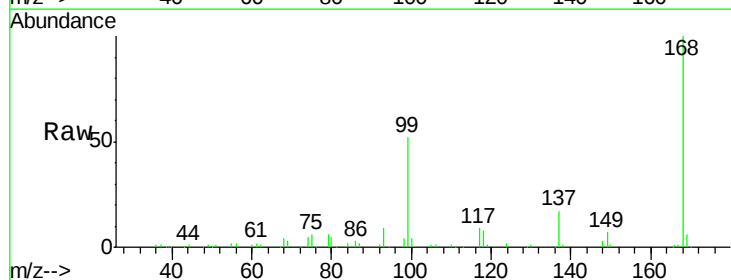
Instrument :
MSVOA_X
ClientSampleId :

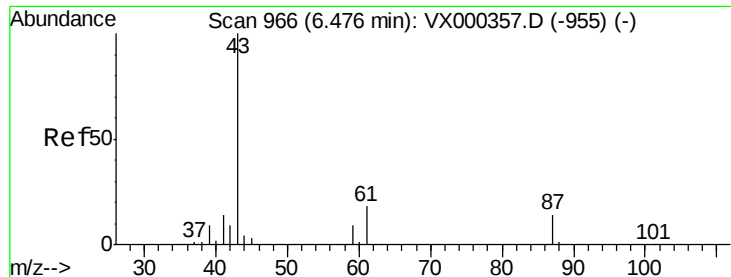
Tot Ion: 43 Resp: 4018
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.354 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Tgt Ion: 117 Resp: 10125
Ion Ratio Lower Upper
117 100
119 8.4 77.4 116.2#
121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.480 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

ClientSampled :

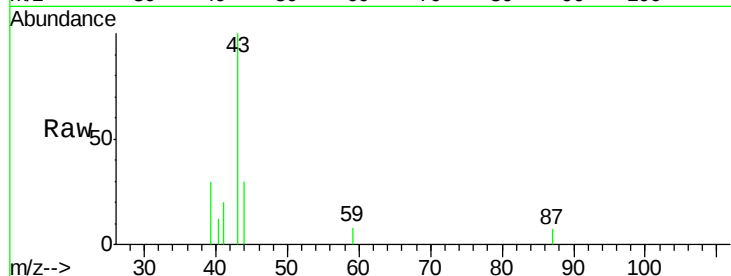
Tot Ion: 43 Resp: 1759

Ion Ratio Lower Upper

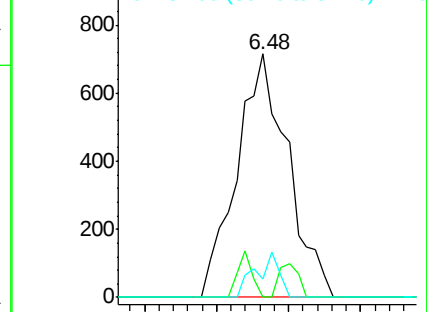
43 100

61 5.3 14.4 21.6#

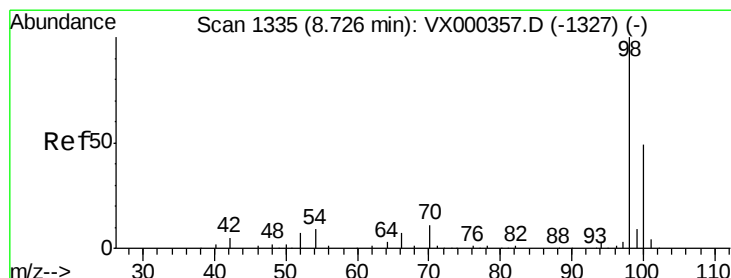
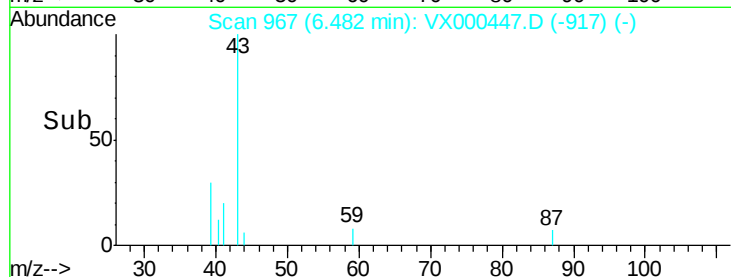
87 8.2 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 46.972 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000447.D

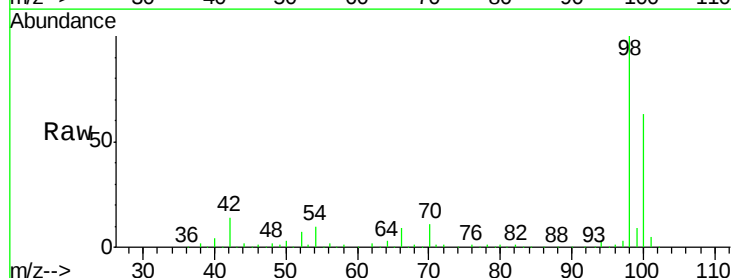
Acq: 26 Mar 2018 17:55

Tgt Ion: 98 Resp: 235878

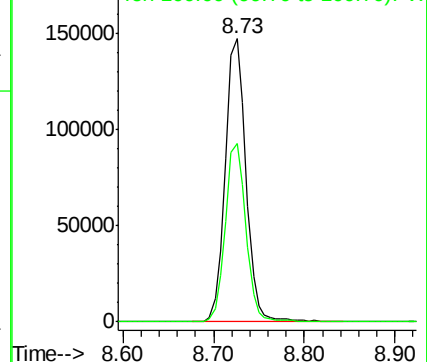
Ion Ratio Lower Upper

98 100

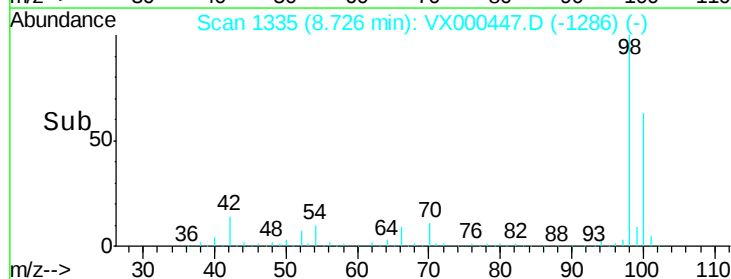
100 63.3 51.2 76.8

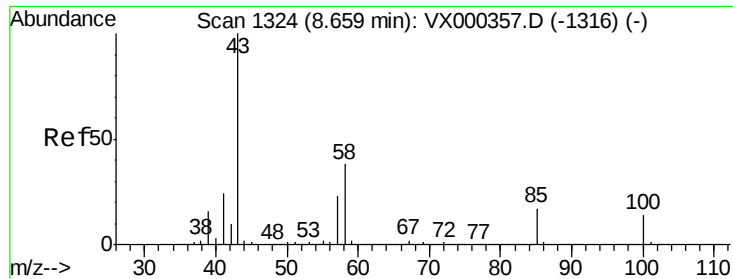


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.406 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

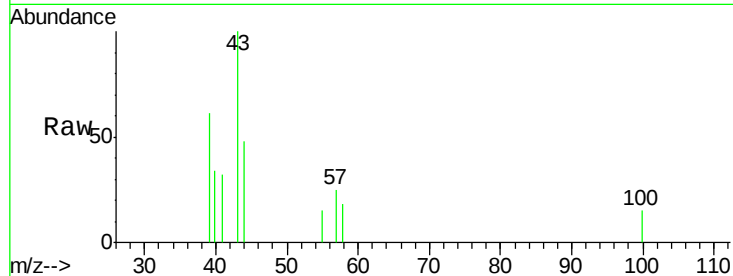
ClientSampleId :

Tot Ion: 43 Resp: 1151

Ion Ratio Lower Upper

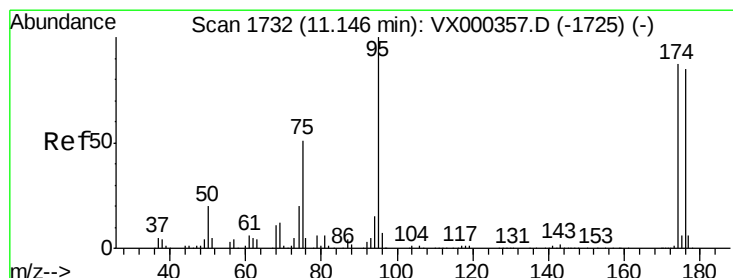
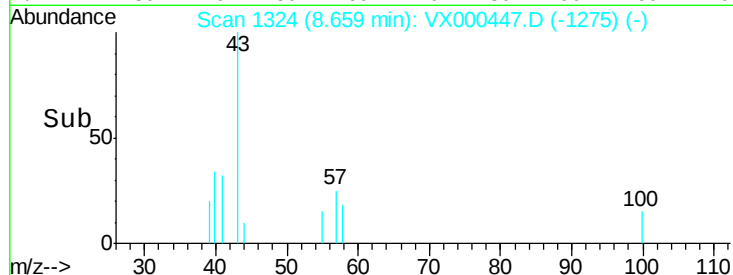
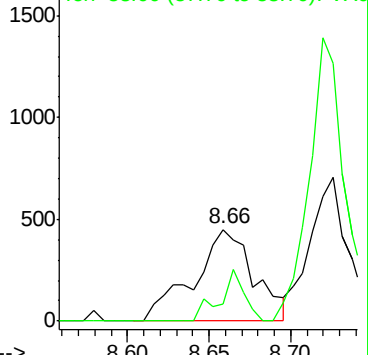
43 100

58 22.8 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 37.667 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

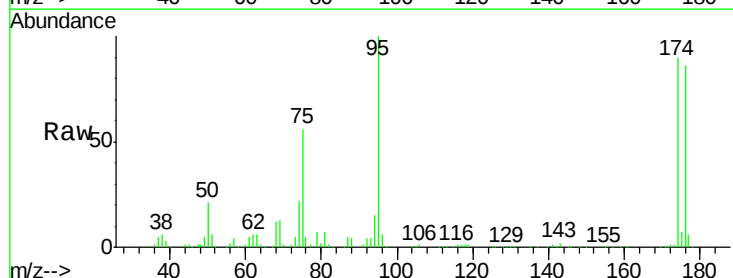
Tgt Ion: 95 Resp: 76235

Ion Ratio Lower Upper

95 100

174 92.4 0.0 173.6

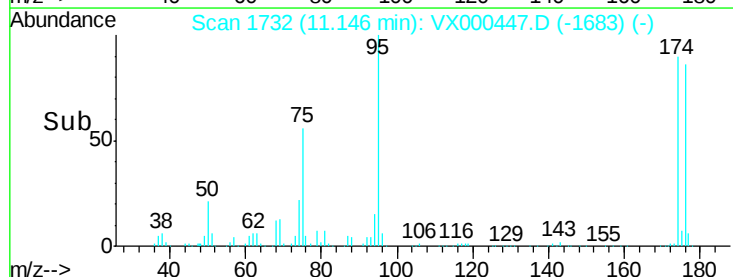
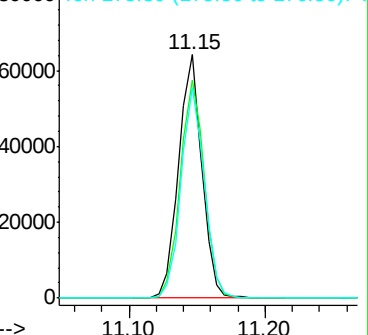
176 87.0 0.0 164.6

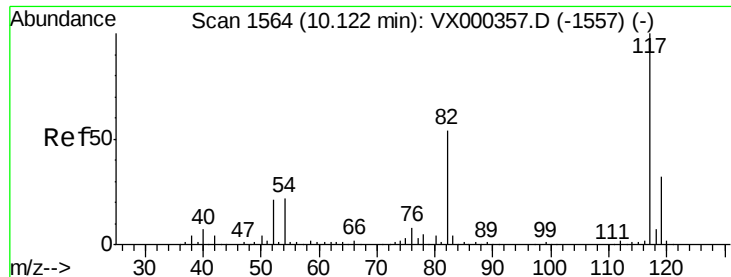


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

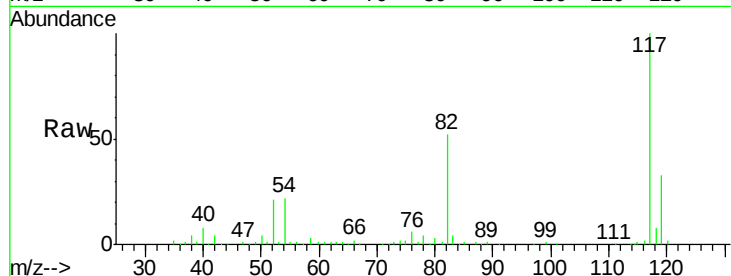




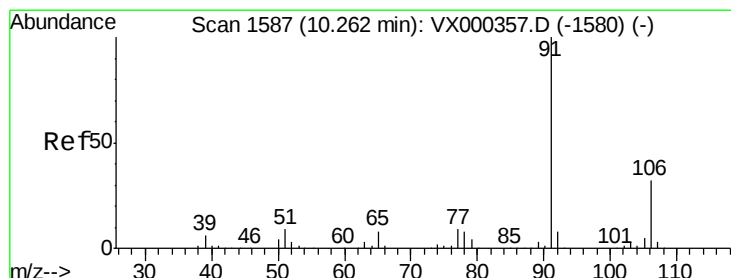
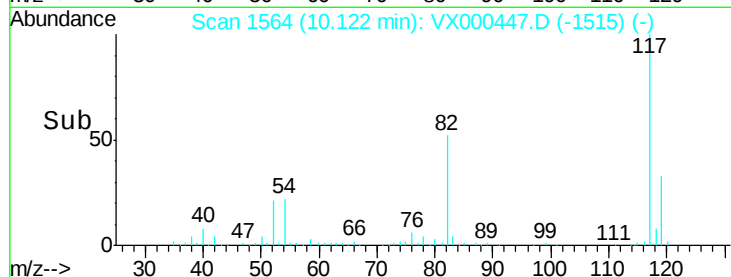
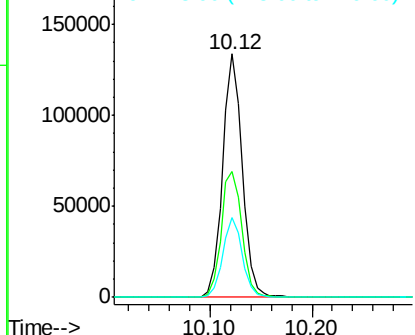
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 179932
Ion Ratio Lower Upper
117 100
82 51.8 43.8 65.8
119 32.7 24.9 37.3

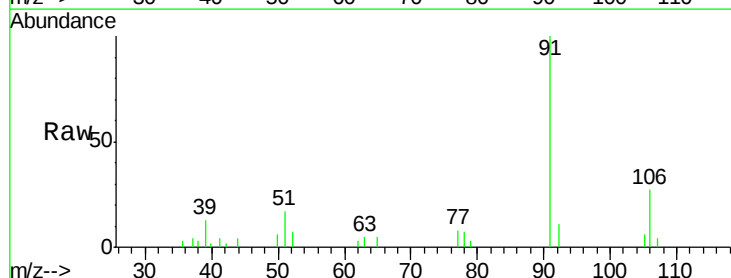


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

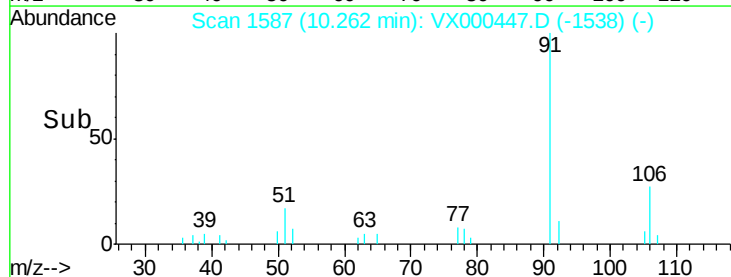
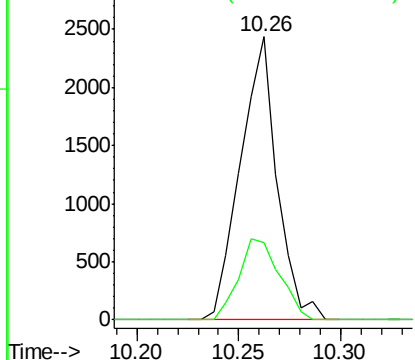


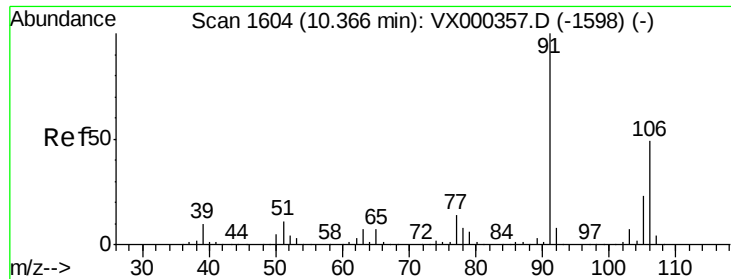
#67
Ethyl Benzene
Concen: 0.448 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Tgt Ion: 91 Resp: 3040
Ion Ratio Lower Upper
91 100
106 27.2 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

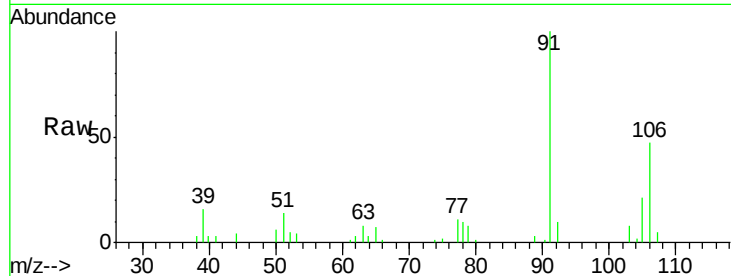




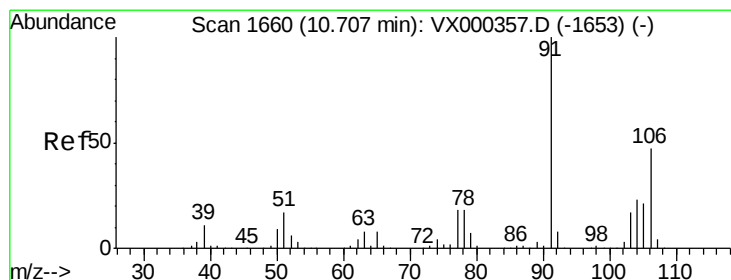
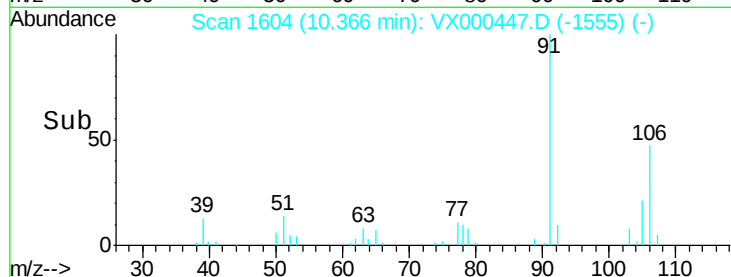
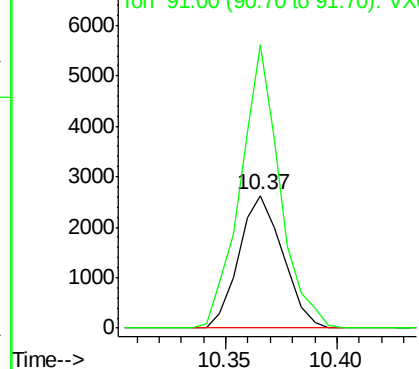
#68
m/p-Xvlenes
Concen: 1.347 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 3597
Ion Ratio Lower Upper
106 100
91 191.9 163.4 245.2

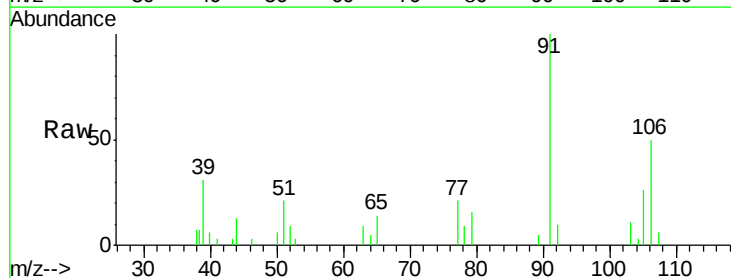


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

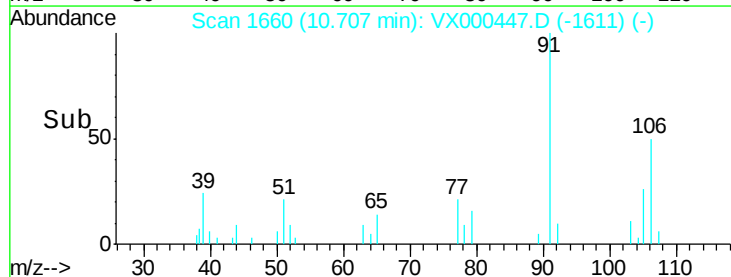
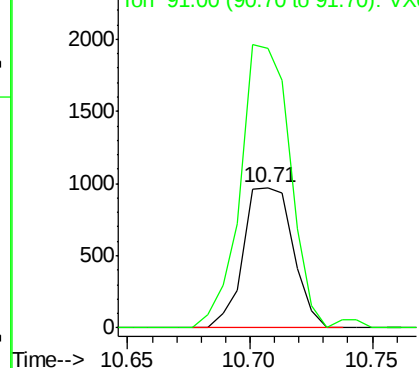


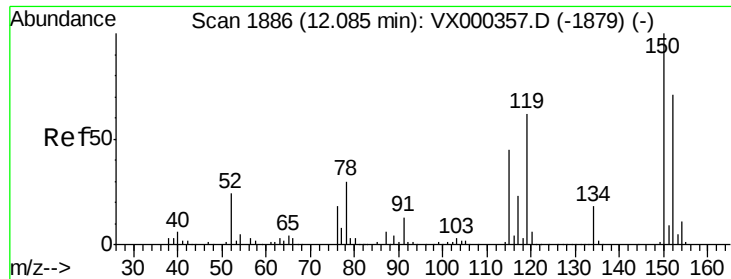
#69
o-Xylene
Concen: 0.531 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Tgt Ion:106 Resp: 1374
Ion Ratio Lower Upper
106 100
91 204.4 106.5 319.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

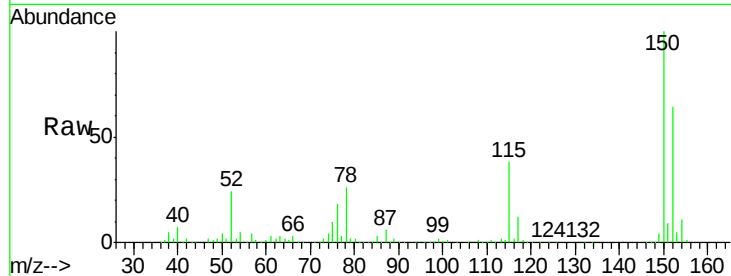
Tot Ion:152 Resp: 85256

Ion Ratio Lower Upper

152 100

115 57.1 39.8 119.3

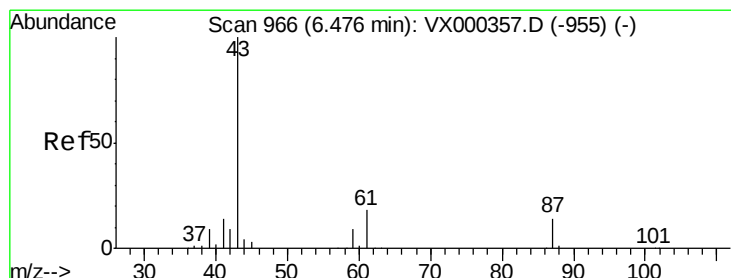
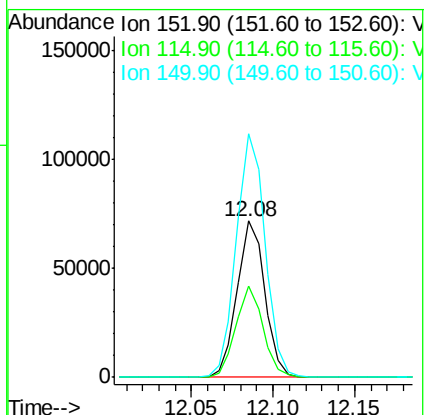
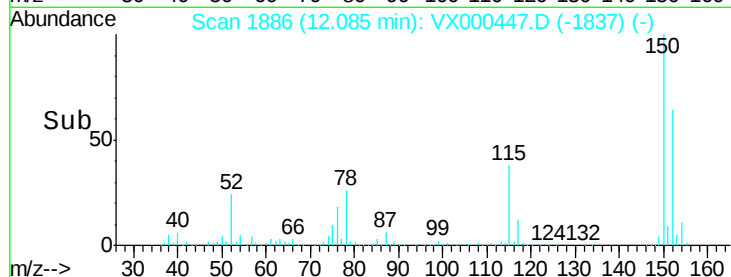
150 160.7 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Tgt Ion: 43 Resp: 1759

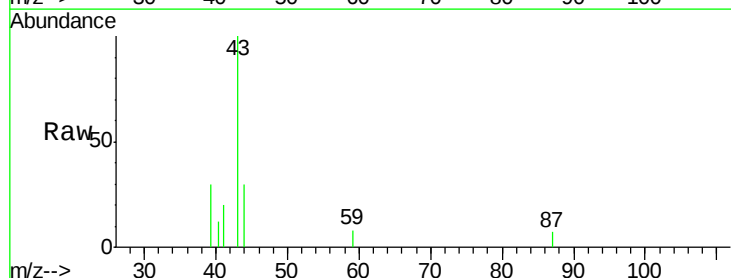
Ion Ratio Lower Upper

43 100

70 1.3 0.0 0.0#

55 0.0 0.0 0.0

61 5.5 14.4 21.6#

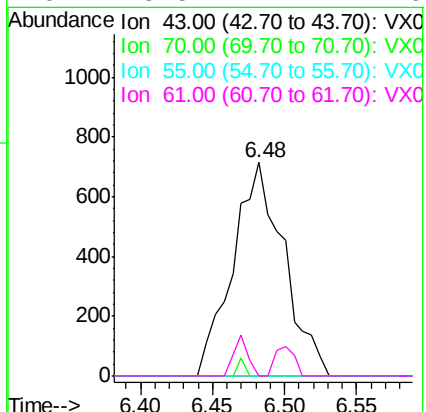
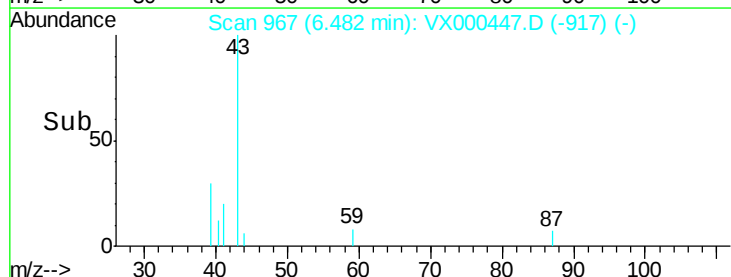


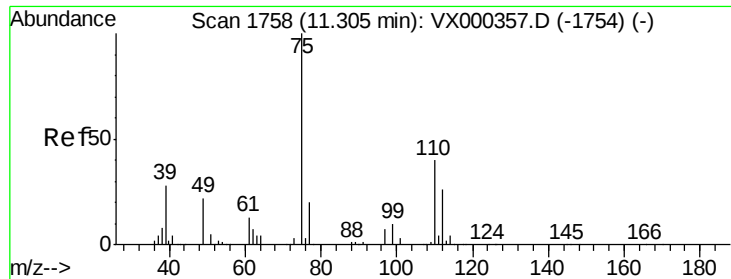
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.157 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

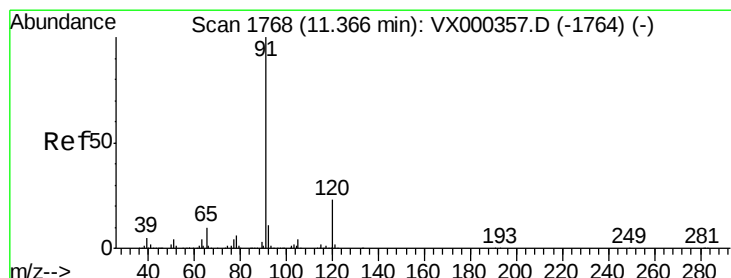
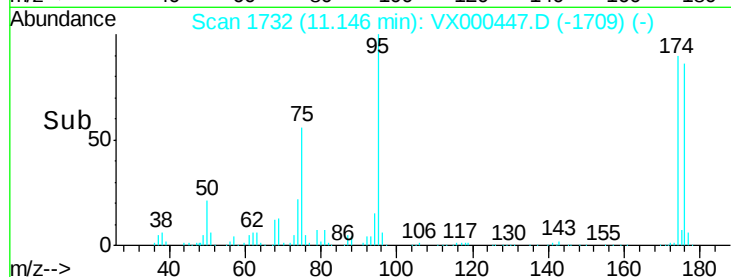
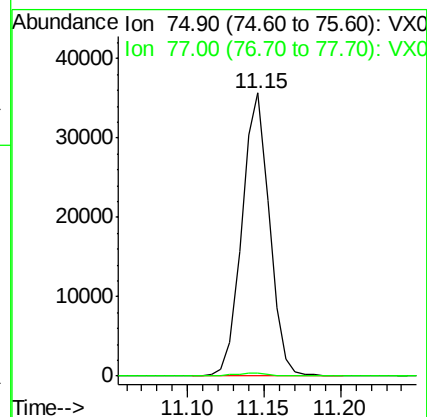
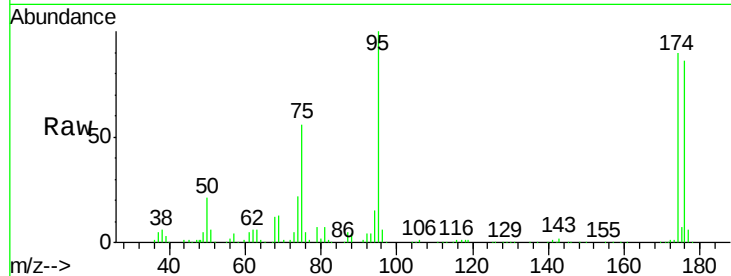
ClientSampleId :

Tot Ion: 75 Resp: 44262

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



#78

n-propylbenzene

Concen: 0.282 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000447.D

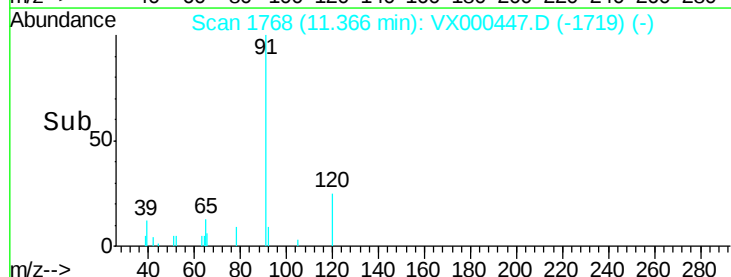
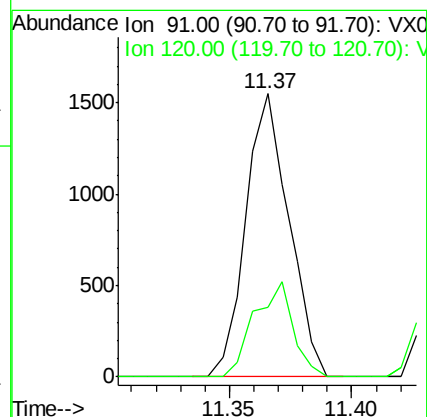
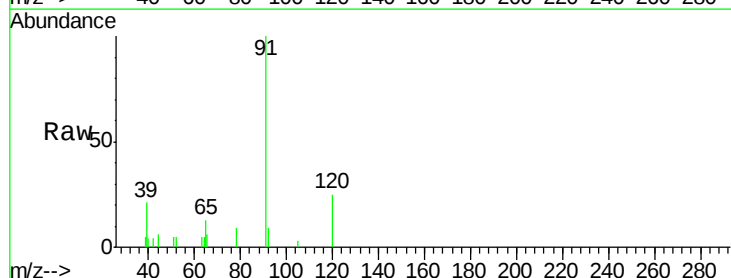
Acq: 26 Mar 2018 17:55

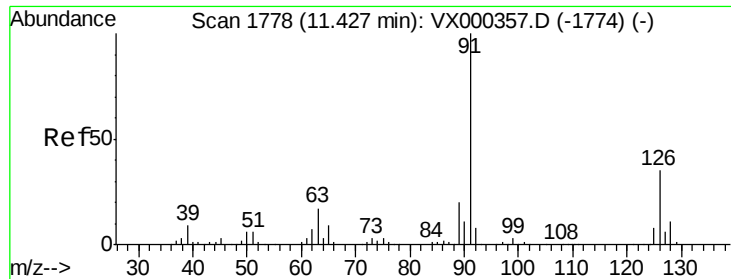
Tgt Ion: 91 Resp: 1901

Ion Ratio Lower Upper

91 100

120 30.3 11.8 35.3

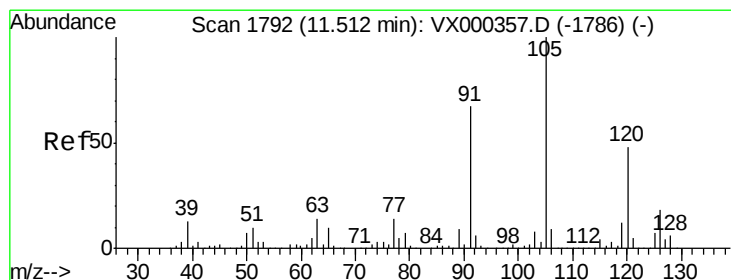
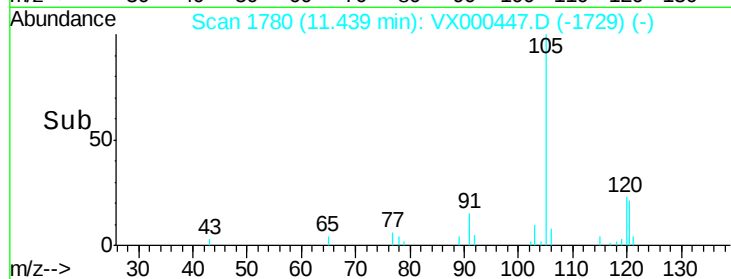
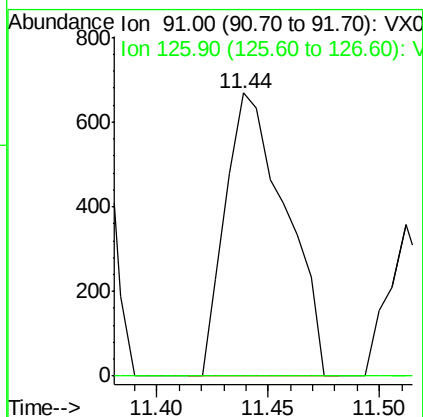
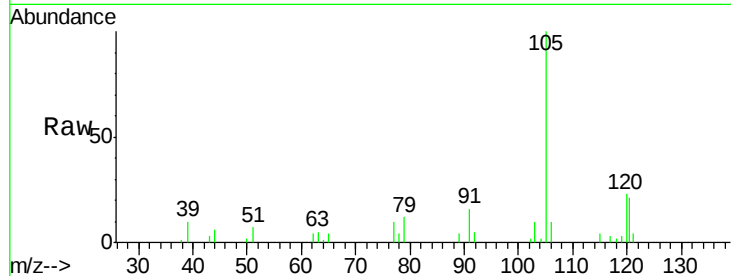




#79
 2-Chlorotoluene
 Concen: 0.324 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX000447.D
 Acq: 26 Mar 2018 17:55

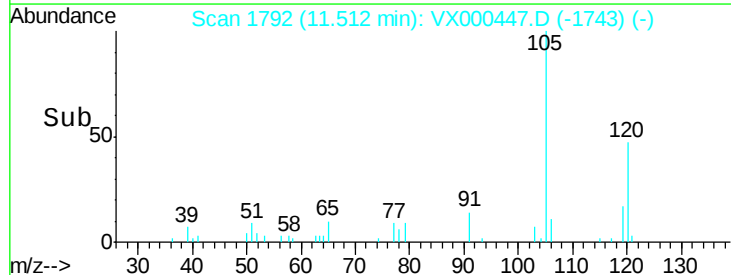
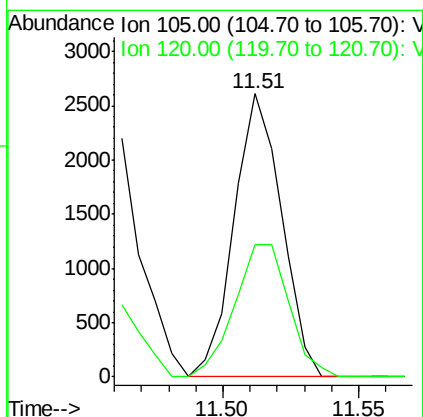
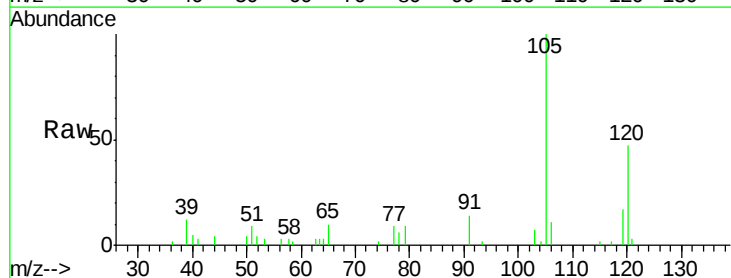
Instrument :
 MSVOA_X
 ClientSampleId :

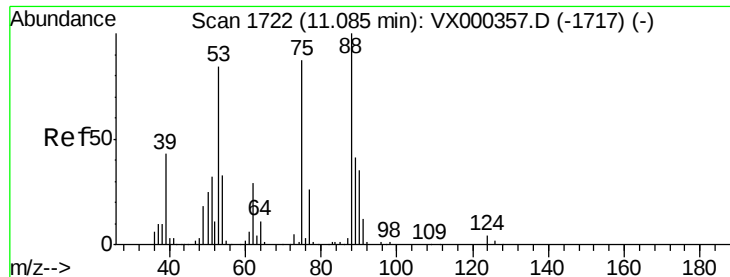
Tot Ion: 91 Resp: 1262
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.664 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000447.D
 Acq: 26 Mar 2018 17:55

Tgt Ion: 105 Resp: 3156
 Ion Ratio Lower Upper
 105 100
 120 53.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 78.211 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

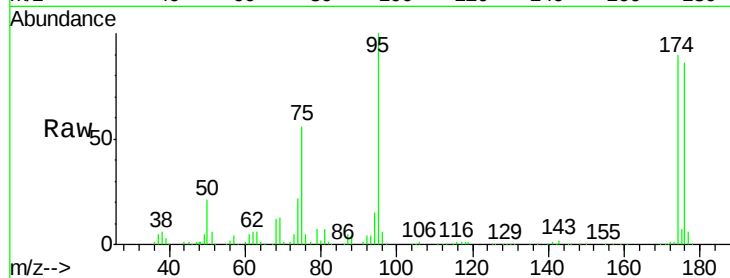
Tot Ion: 75 Resp: 44262

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

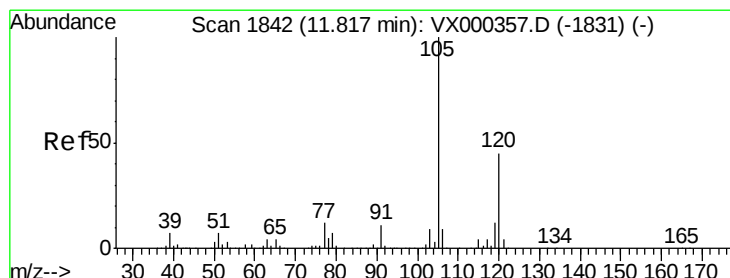
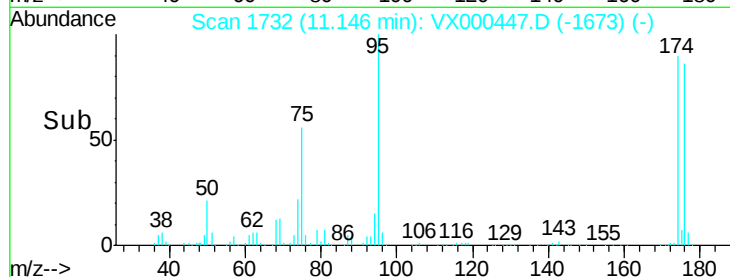
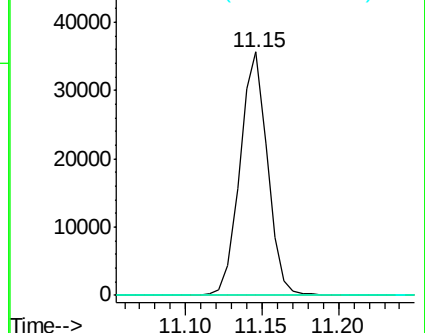
89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.193 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000447.D

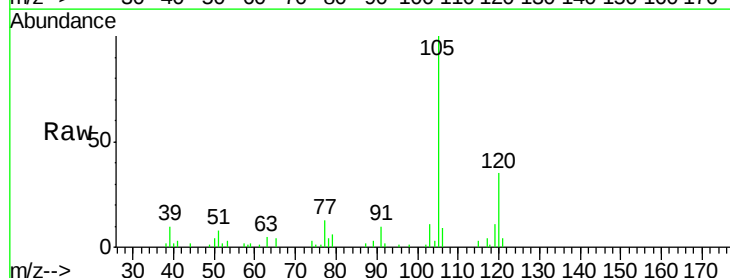
Acq: 26 Mar 2018 17:55

Tgt Ion:105 Resp: 10920

Ion Ratio Lower Upper

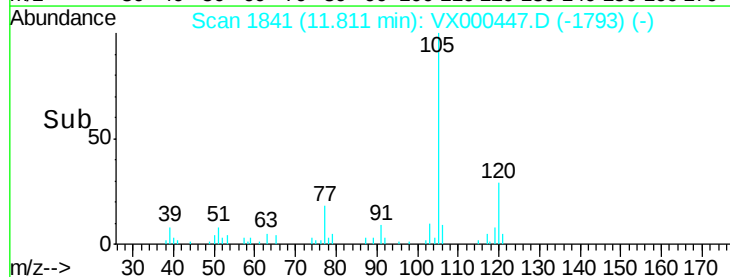
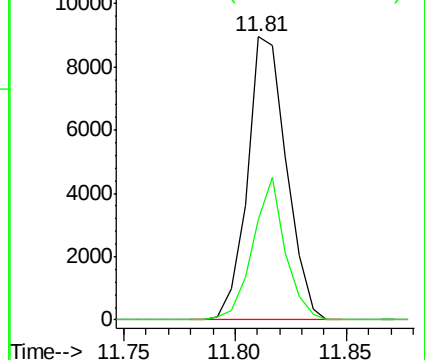
105 100

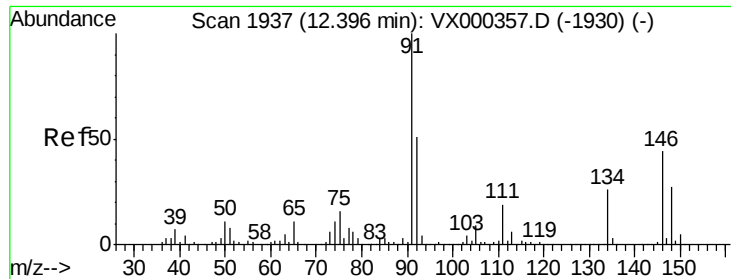
120 41.6 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.215 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX000447.D

Acq: 26 Mar 2018 17:55

Instrument :

MSVOA_X

ClientSampleId :

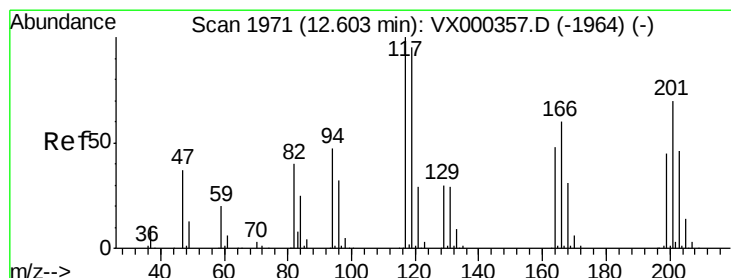
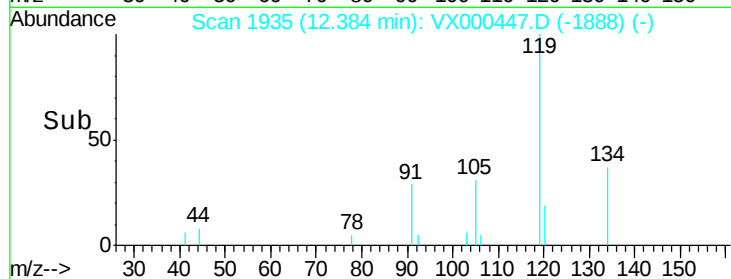
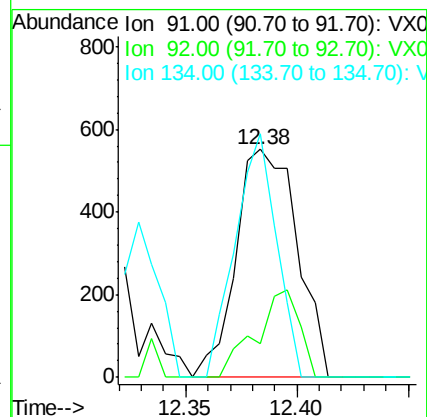
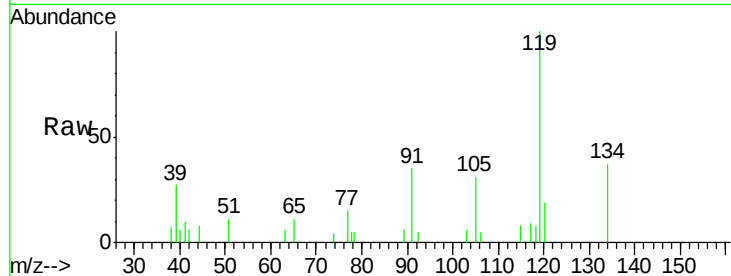
Tot Ion: 91 Resp: 1055

Ion Ratio Lower Upper

91 100

92 26.9 25.9 77.8

134 72.1 13.1 39.3#



#90

Hexachloroethane

Concen: 0.437 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000447.D

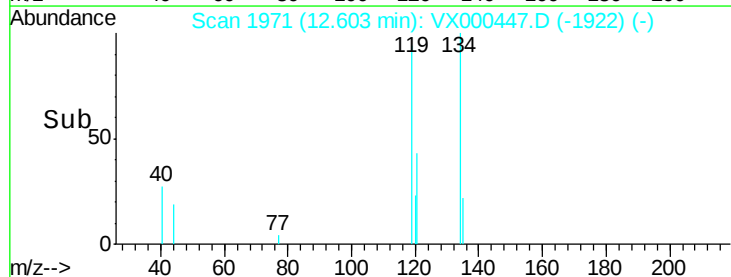
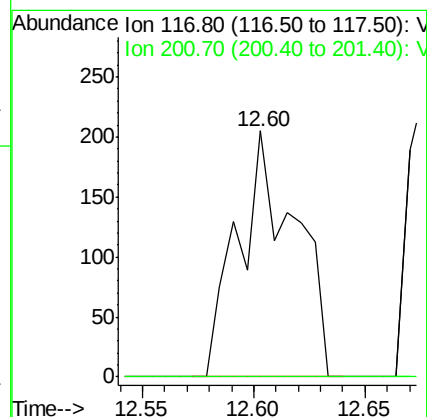
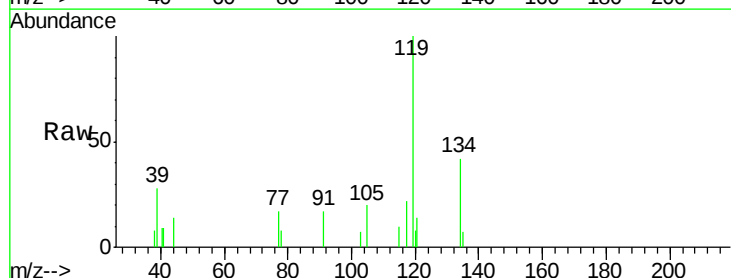
Acq: 26 Mar 2018 17:55

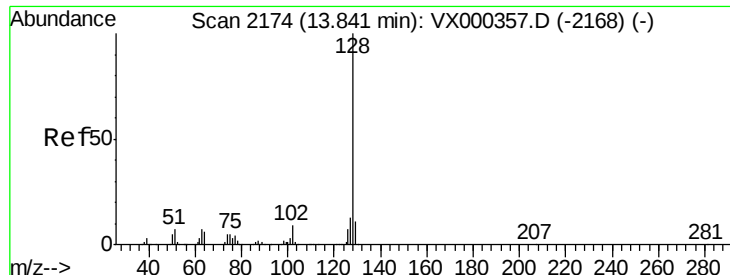
Tgt Ion: 117 Resp: 362

Ion Ratio Lower Upper

117 100

201 0.0 37.9 113.6#





#95
Naphthalene
Concen: 1.704 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000447.D
Acq: 26 Mar 2018 17:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.4	10.6	15.8
129	12.5	8.9	13.3

