

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000676.D
 Acq On : 04 Apr 2018 23:50
 Operator : JC/MD
 Sample : J2151-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-B

Quant Time: Apr 05 05:24:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	86229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	145324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	140502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	72345	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	64061	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	
35) Dibromofluoromethane	5.51	113	46112	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	8.73	98	182282	43.21	ug/l	0.00
Spiked Amount			Recovery	=	86.42%	
62) 4-Bromofluorobenzene	11.15	95	64842	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	

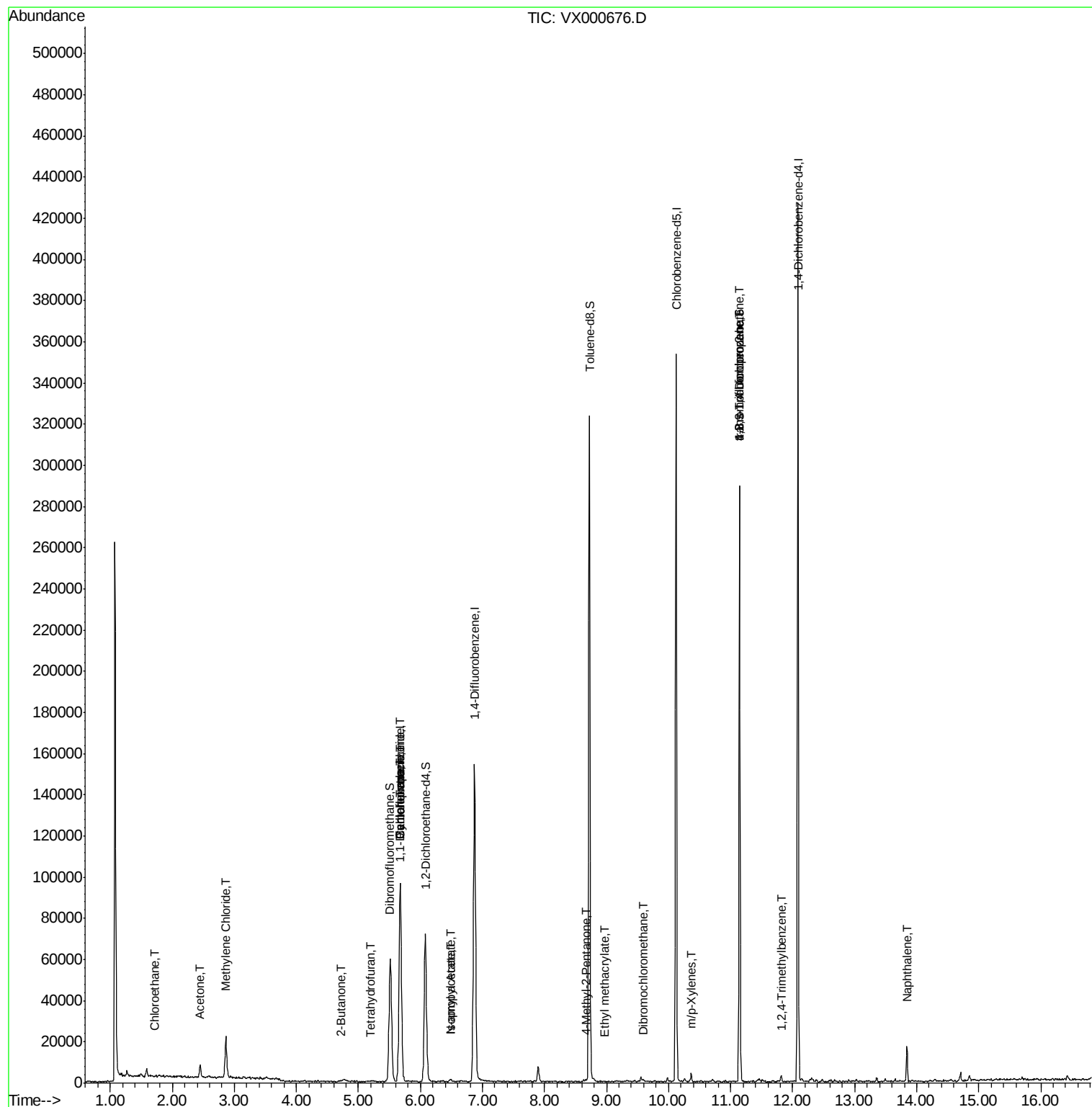
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	277	0.29	ug/l #	43
16) Acetone	2.45	43	6696	5.56	ug/l	95
20) Methylene Chloride	2.86	84	8274	6.02	ug/l	97
25) 2-Butanone	4.72	43	969	0.79	ug/l #	50
29) Tetrahydrofuran	5.19	42	165	0.21	ug/l #	64
31) Cyclohexane	5.68	56	2881	1.99	ug/l #	66
36) 1,1-Dichloropropene	5.66	75	7690	5.70	ug/l #	45
38) Carbon Tetrachloride	5.67	117	9172	7.07	ug/l #	17
43) Isopropyl Acetate	6.48	43	1391	0.47	ug/l #	93
51) 4-Methyl-2-Pentanone	8.66	43	905	0.37	ug/l #	72
56) Ethyl methacrylate	8.96	69	20	4.33	ug/l #	1
60) Dibromochloromethane	9.60	129	142	4.60	ug/l #	11
68) m/p-Xylenes	10.37	106	954	0.50	ug/l	99
74) N-amyl acetate	6.48	43	1391	0.59	ug/l #	95
76) 1,2,3-Trichloropropane	11.14	75	37737	23.92	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	37737	85.76	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	1435	0.37	ug/l	97
95) Naphthalene	13.84	128	9208	1.69	ug/l #	96

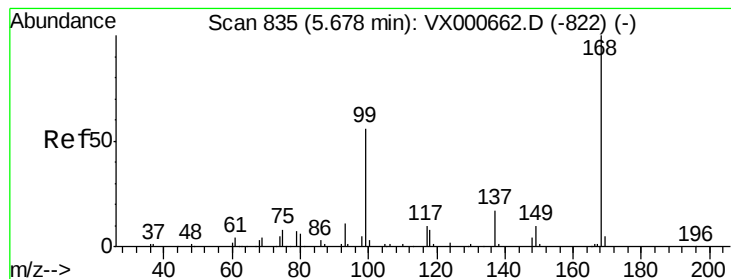
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

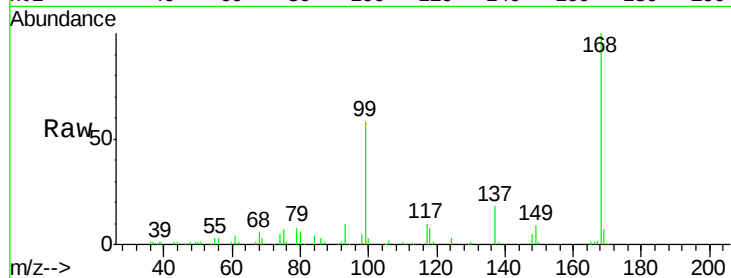
AU-06-040318-B

Tgt Ion:168 Resp: 86229

Ion Ratio Lower Upper

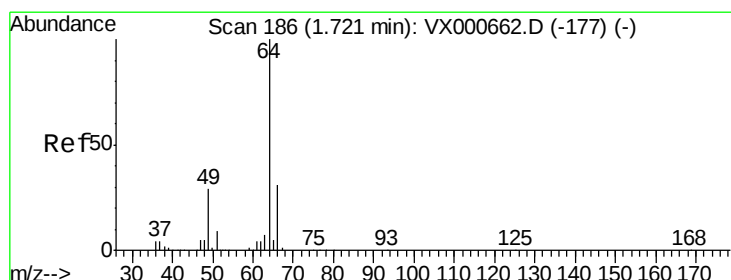
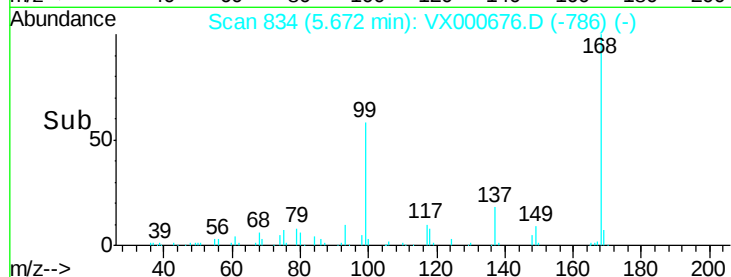
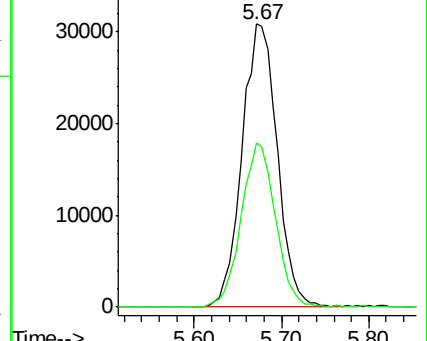
168 100

99 57.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.29 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000676.D

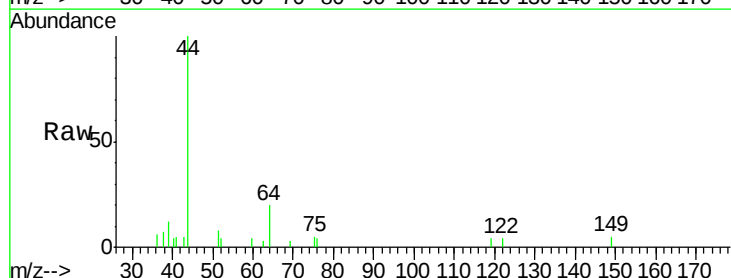
Acq: 04 Apr 2018 23:50

Tgt Ion: 64 Resp: 277

Ion Ratio Lower Upper

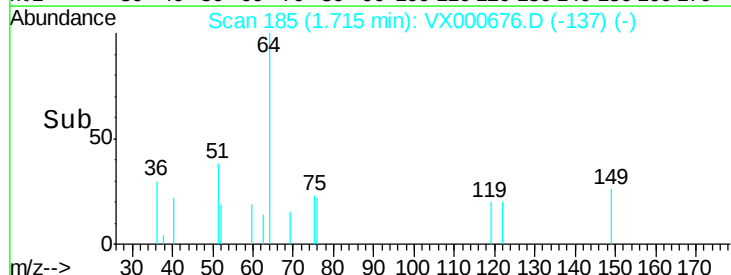
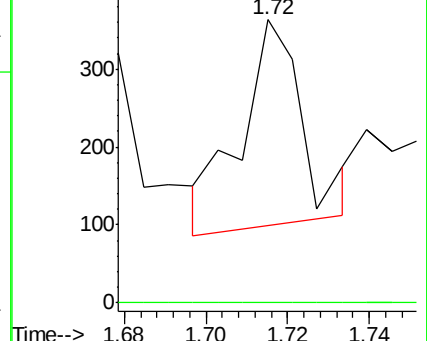
64 100

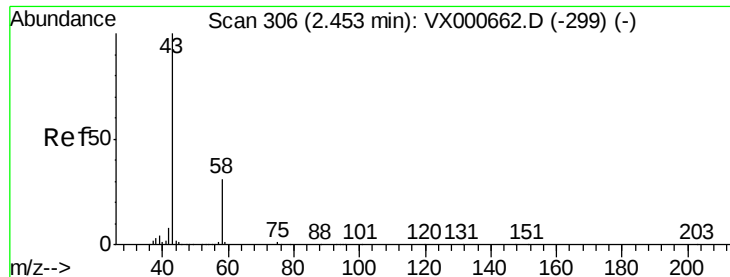
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#16

Acetone

Concen: 5.56 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampled :

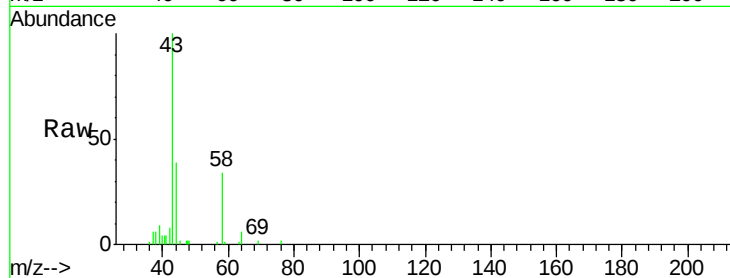
AU-06-040318-B

Tgt Ion: 43 Resp: 6696

Ion Ratio Lower Upper

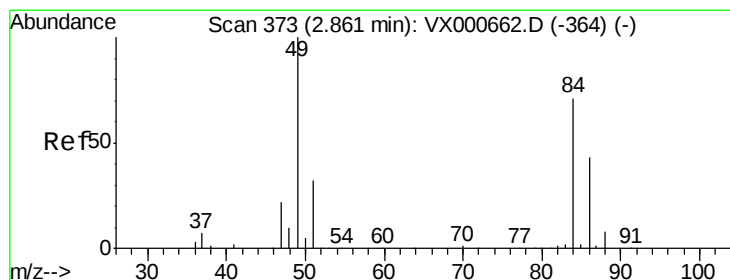
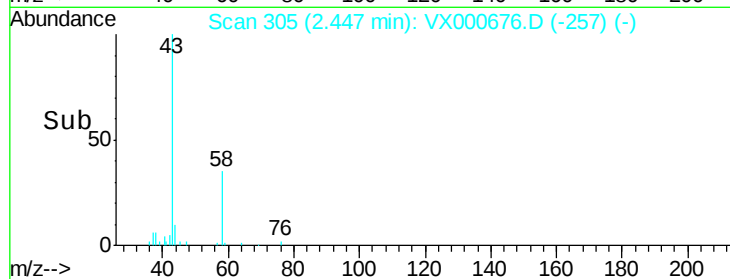
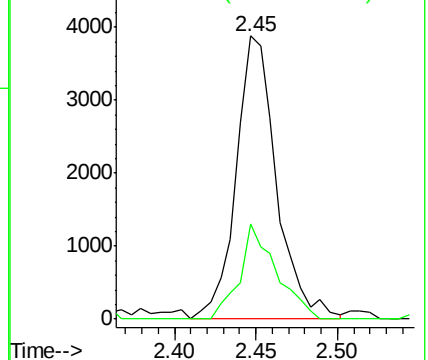
43 100

58 33.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 6.02 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Tgt Ion: 84 Resp: 8274

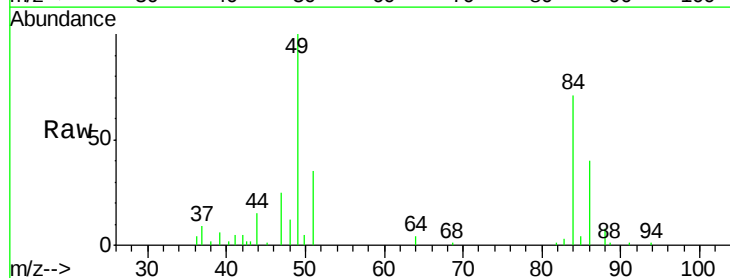
Ion Ratio Lower Upper

84 100

49 140.4 112.1 168.1

51 48.7 35.4 53.0

86 55.6 48.7 73.1

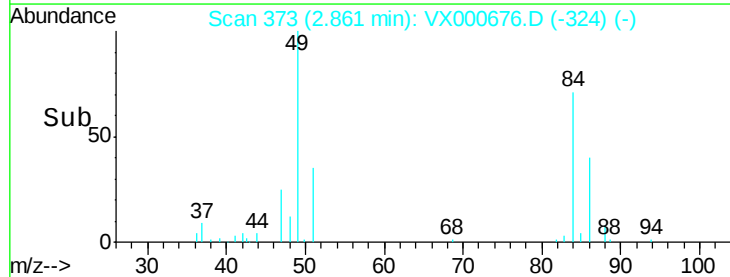
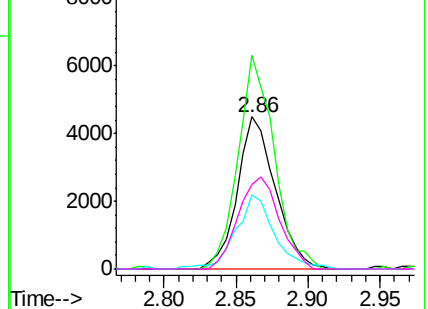


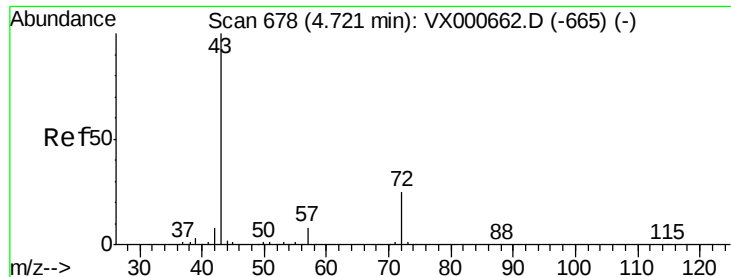
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.79 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

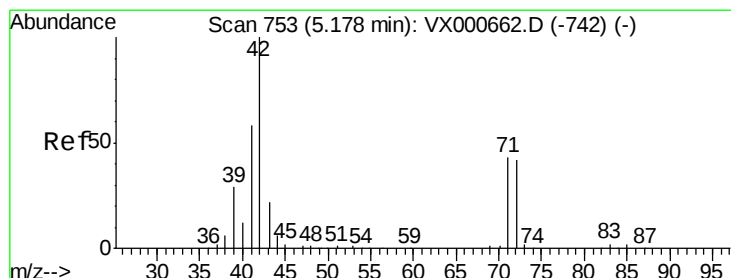
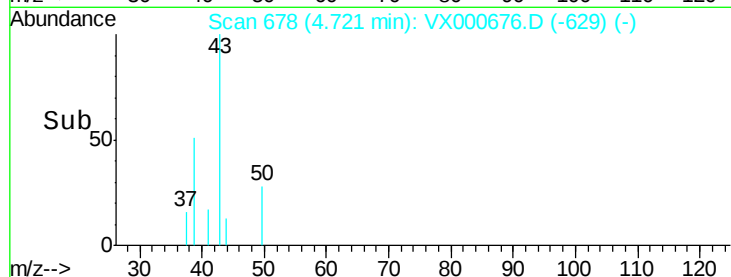
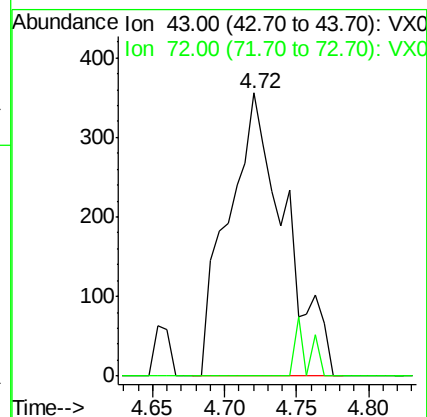
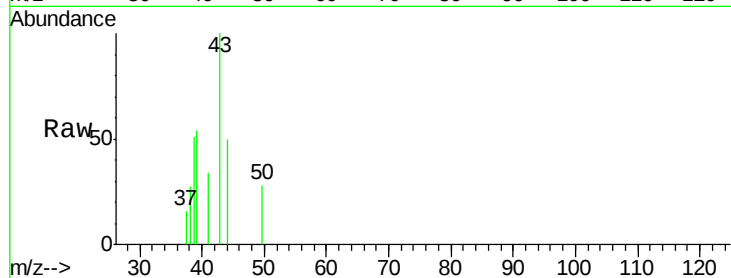
AU-06-040318-B

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

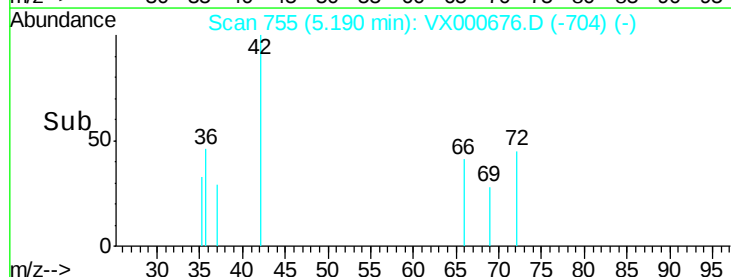
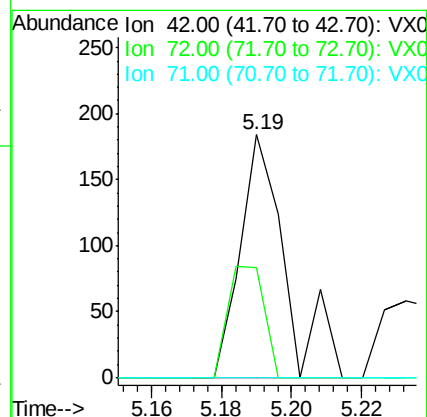
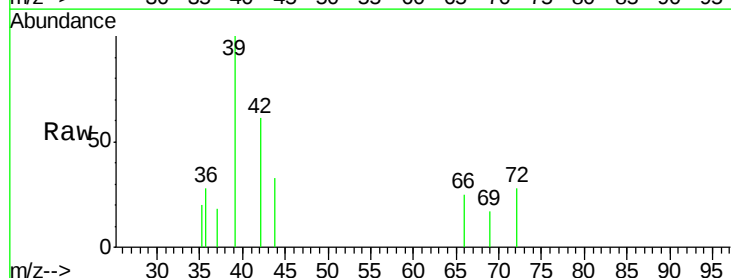
Tgt Ion: 42 Resp: 165

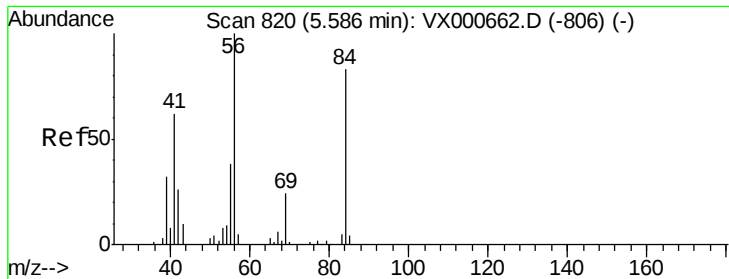
Ion Ratio Lower Upper

42 100

72 37.0 34.5 51.7

71 0.0 32.2 48.2#

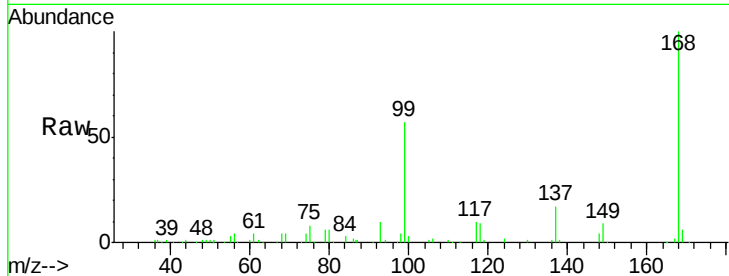




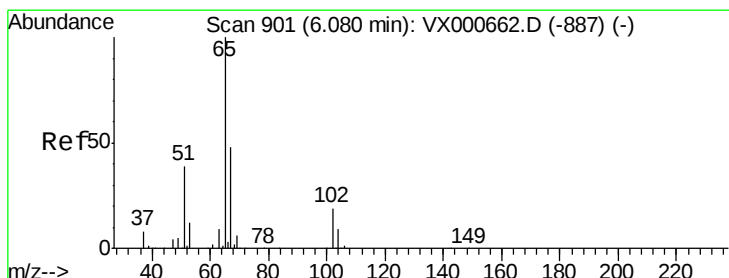
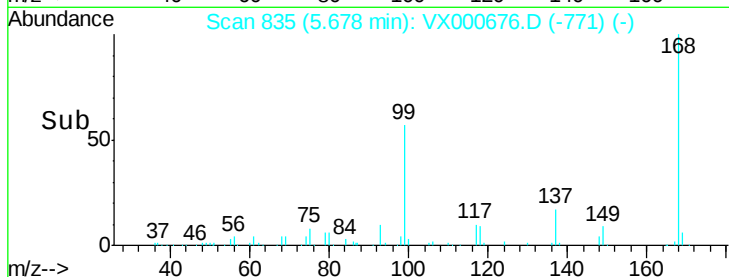
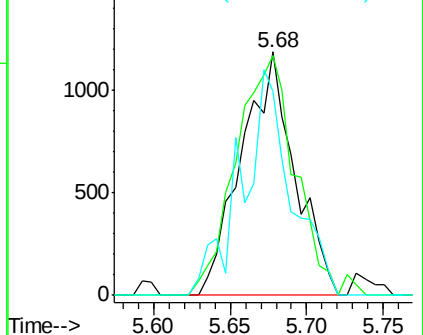
#31
Cyclohexane
Concen: 1.99 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000676.D
Acq: 04 Apr 2018 23:50

Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-B

Tgt Ion: 56 Resp: 2881
Ion Ratio Lower Upper
56 100
69 98.7 19.4 29.0#
84 83.7 66.8 100.2

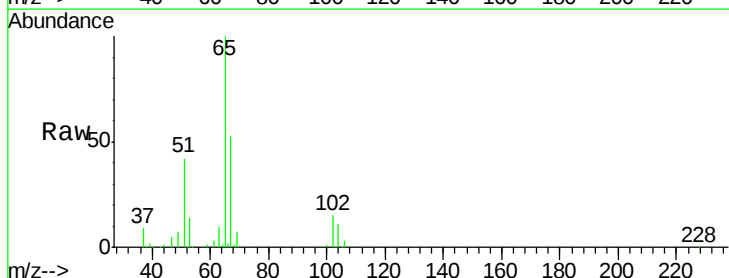


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

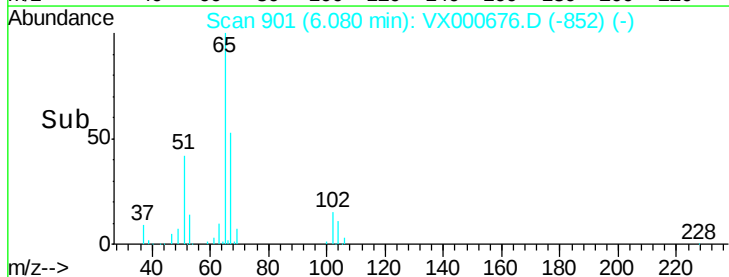
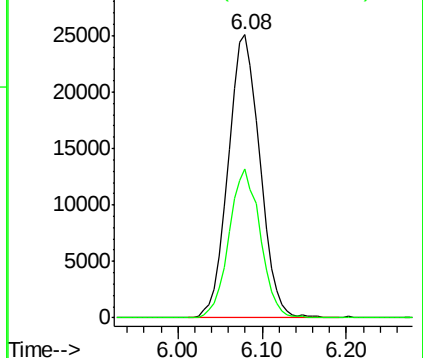


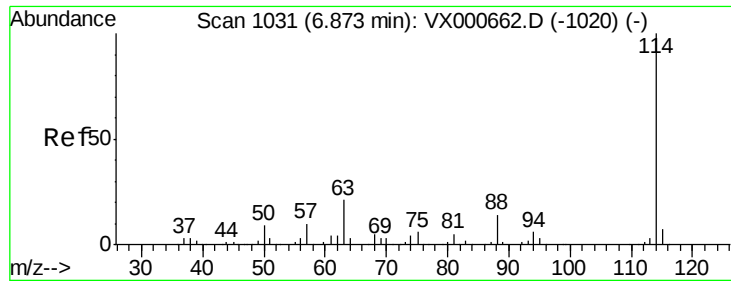
#33
1,2-Dichloroethane-d4
Concen: 43.73 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000676.D
Acq: 04 Apr 2018 23:50

Tgt Ion: 65 Resp: 64061
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

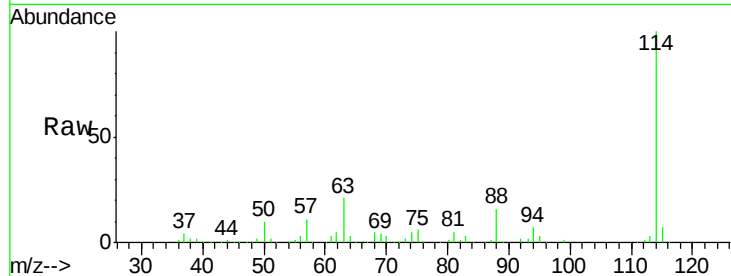




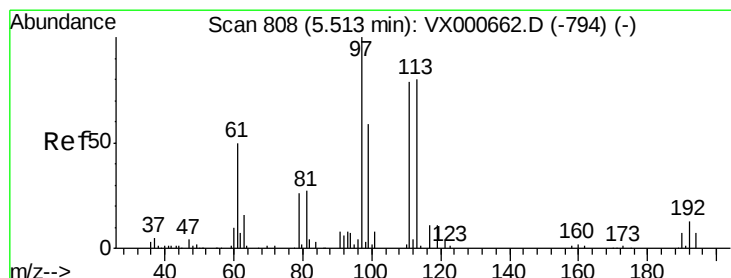
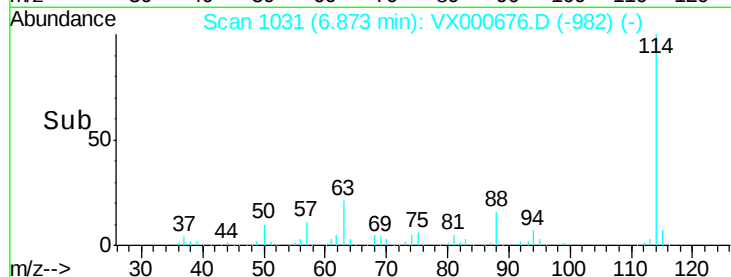
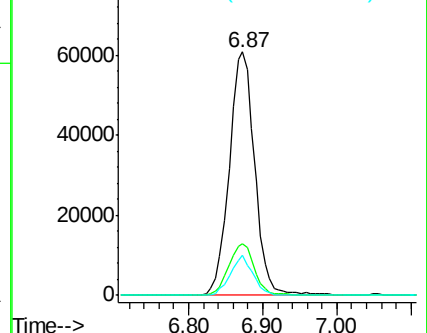
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-B

Tgt Ion:114 Resp: 145324
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.6
 88 16.3 0.0 28.6

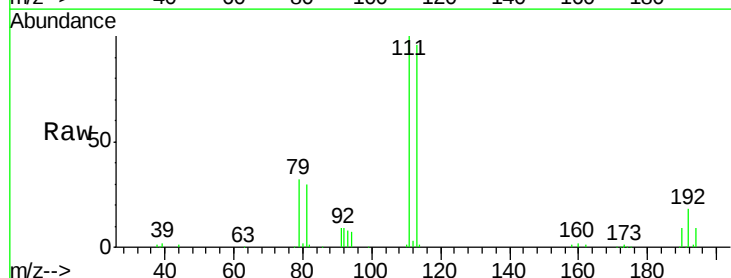


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

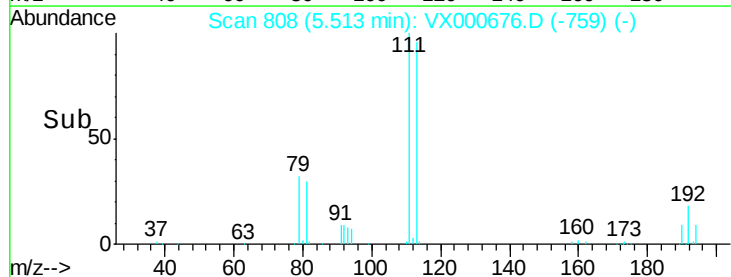
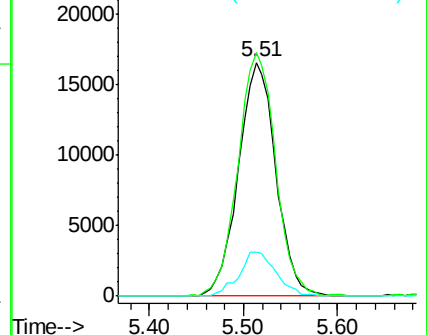


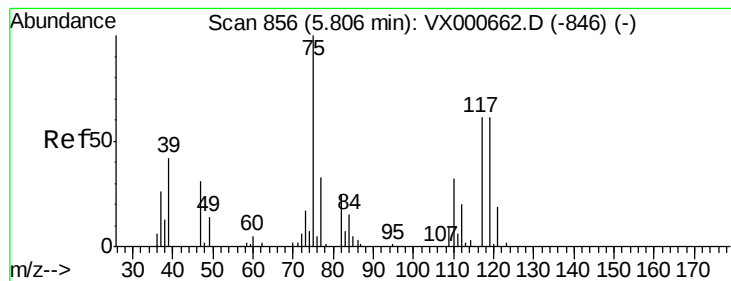
#35
 Dibromofluoromethane
 Concen: 46.48 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

Tgt Ion:113 Resp: 46112
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.0 123.0
 192 18.6 14.3 21.5



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: 5.70 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.15 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

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ClientSampleId :

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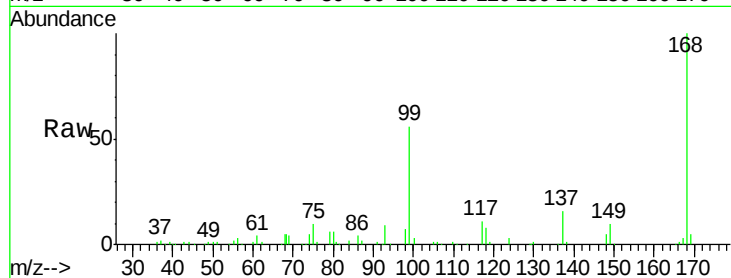
Tgt Ion: 75 Resp: 7690

Ion Ratio Lower Upper

75 100

110 2.4 16.3 48.9#

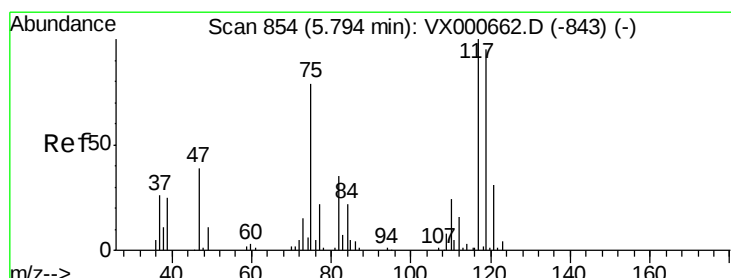
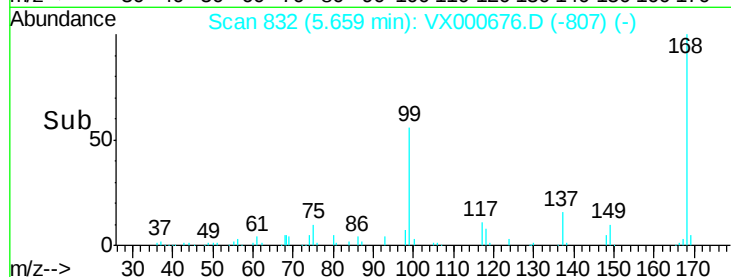
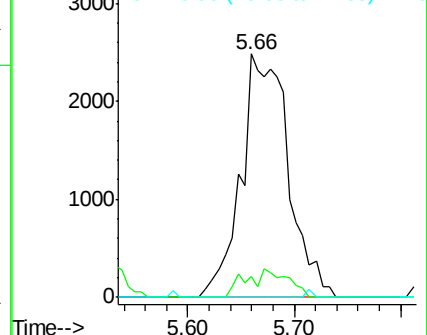
77 0.0 24.3 36.5#



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: 7.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

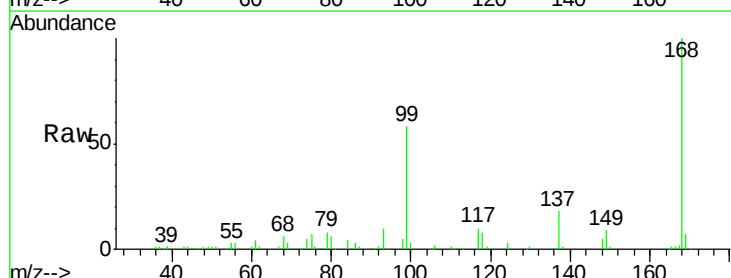
Tgt Ion: 117 Resp: 9172

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

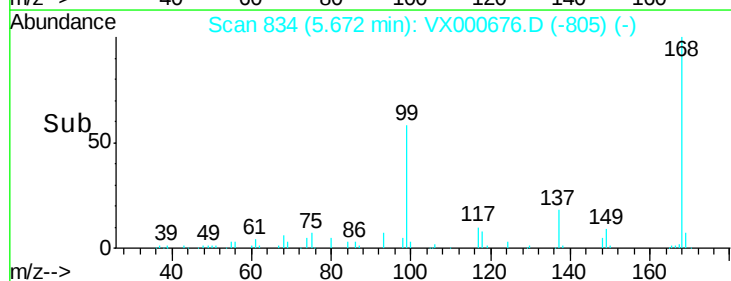
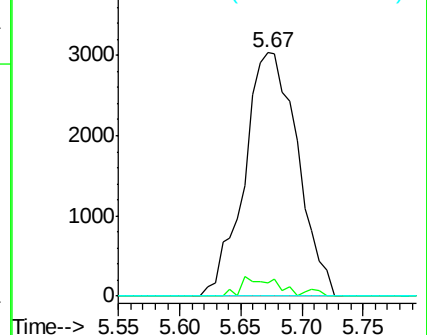
121 0.0 24.8 37.2#

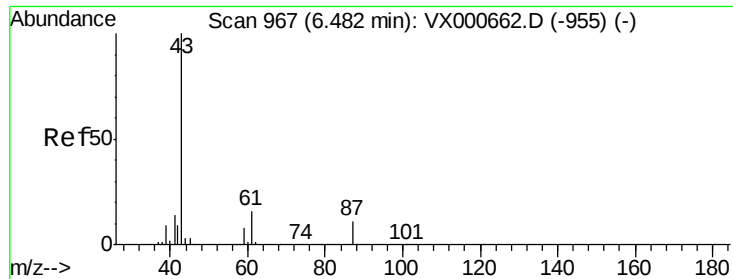


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.47 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000676.D

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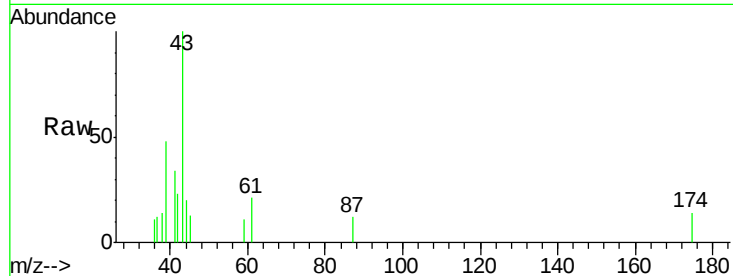
Tgt Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

61 18.8 13.4 20.2

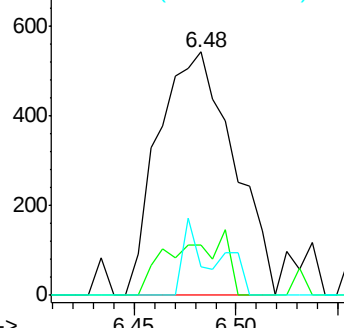
87 7.8 9.4 14.0#



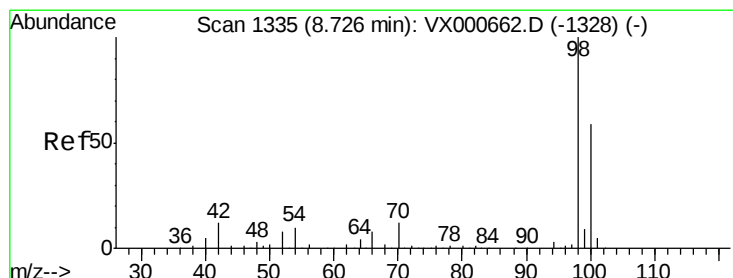
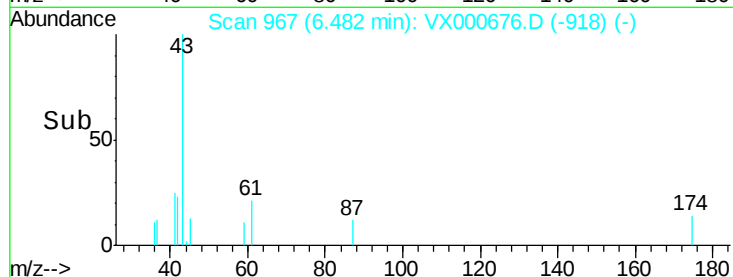
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 43.21 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000676.D

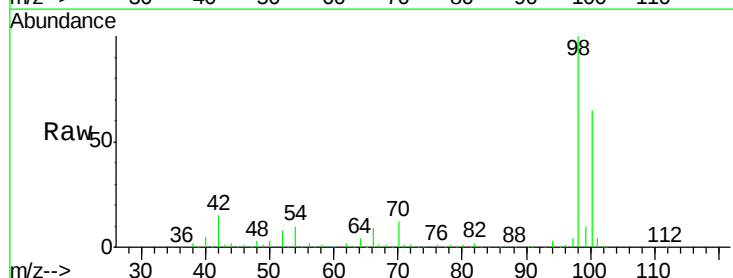
Acq: 04 Apr 2018 23:50

Tgt Ion: 98 Resp: 182282

Ion Ratio Lower Upper

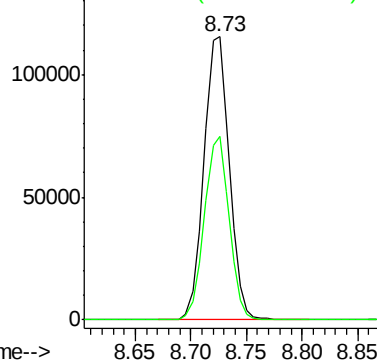
98 100

100 63.4 51.0 76.6

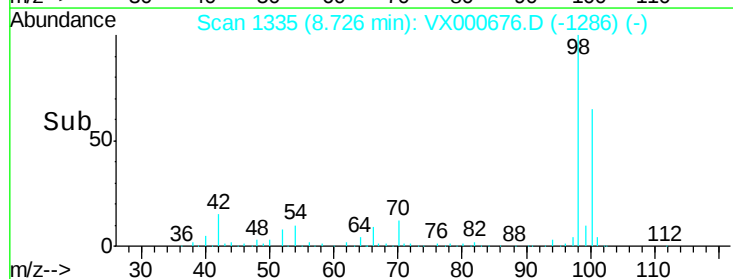


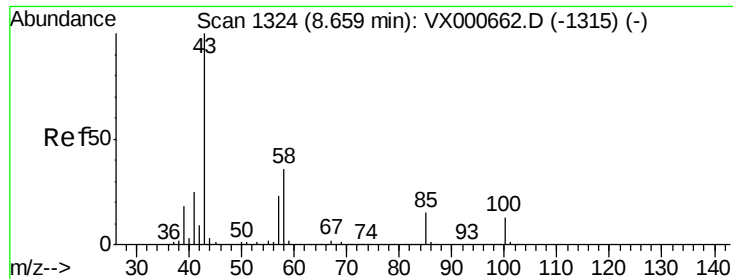
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.37 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampled :

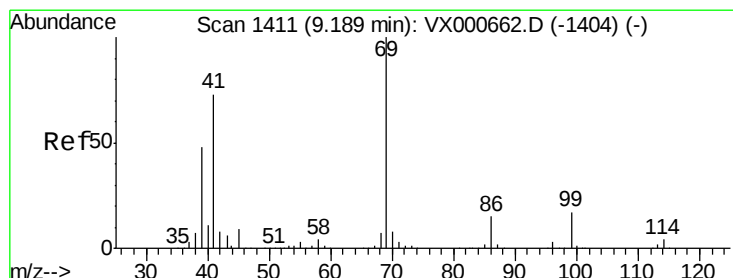
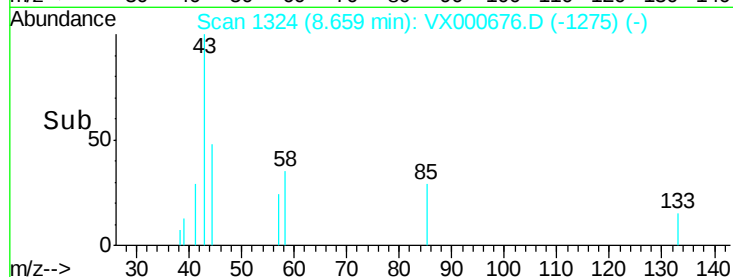
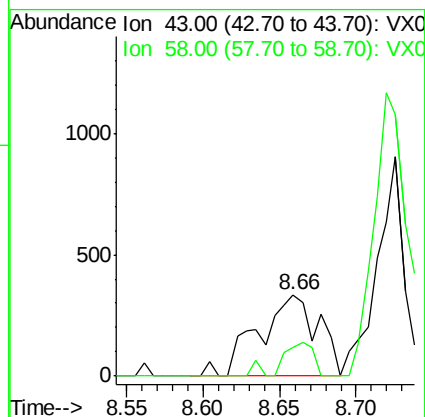
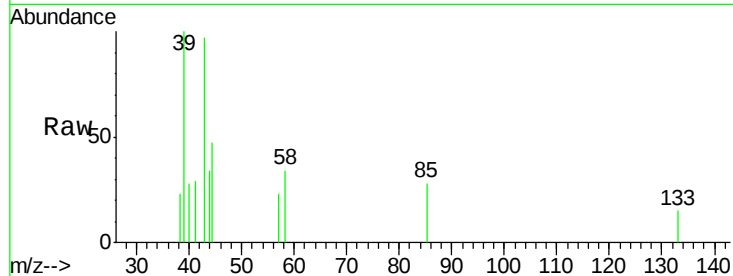
AU-06-040318-B

Tgt Ion: 43 Resp: 905

Ion Ratio Lower Upper

43 100

58 18.8 28.2 42.2#



#56

Ethyl methacrylate

Concen: 4.33 ug/l

RT: 8.96 min Scan# 1373

Delta R.T. -0.23 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

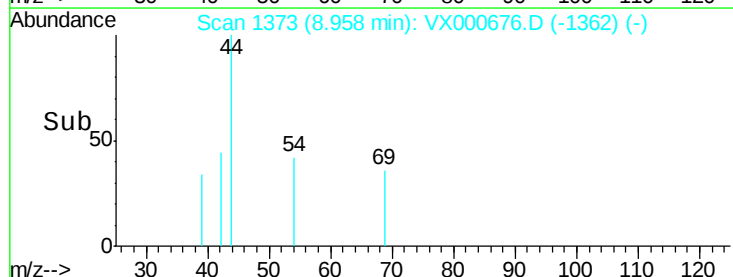
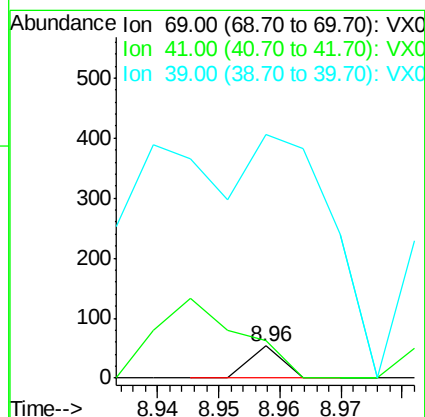
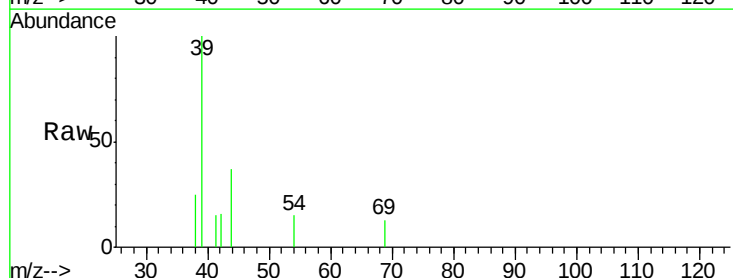
Tgt Ion: 69 Resp: 20

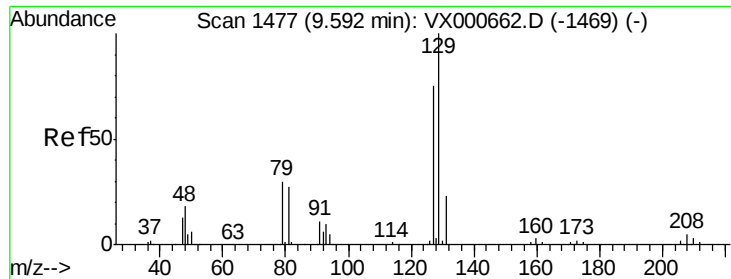
Ion Ratio Lower Upper

69 100

41 650.0 56.5 84.7#

39 1260.0 39.8 59.8#





#60

Dibromochloromethane

Concen: 4.60 ug/l

RT: 9.60 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

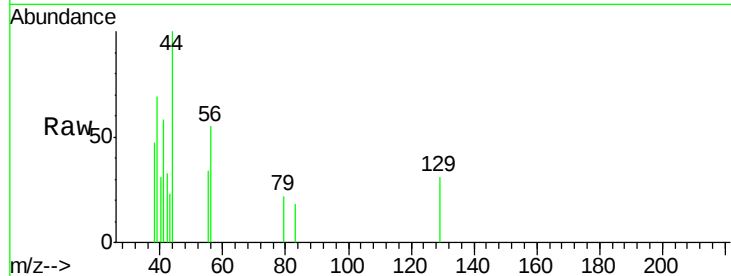
AU-06-040318-B

Tgt Ion:129 Resp: 142

Ion Ratio Lower Upper

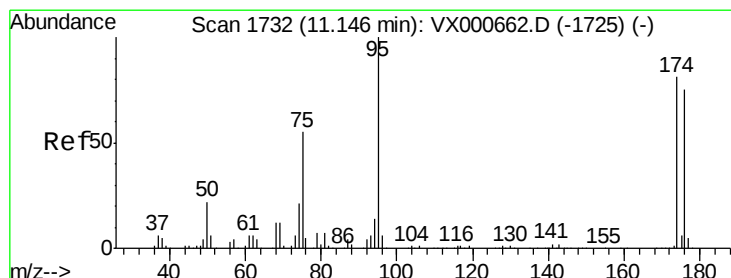
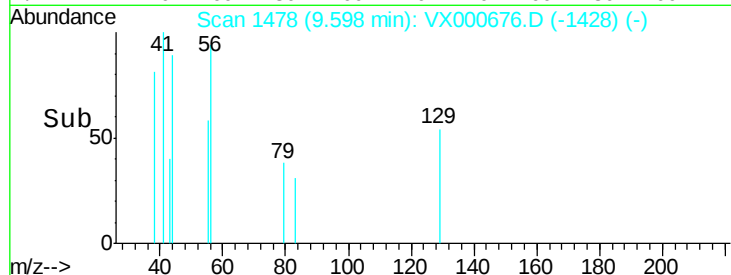
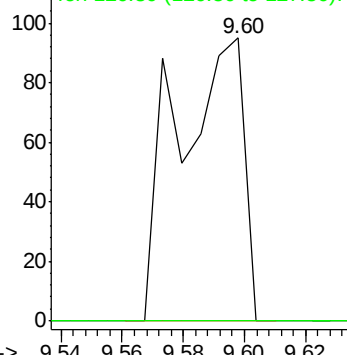
129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 38.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

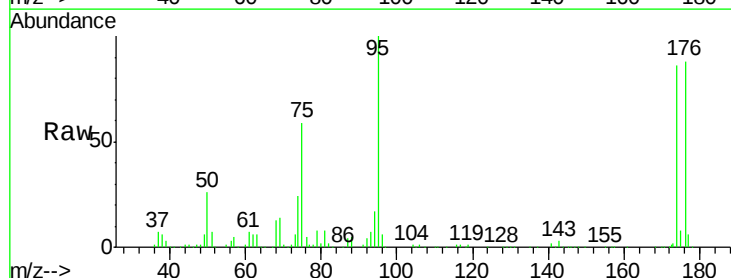
Tgt Ion: 95 Resp: 64842

Ion Ratio Lower Upper

95 100

174 81.1 0.0 156.8

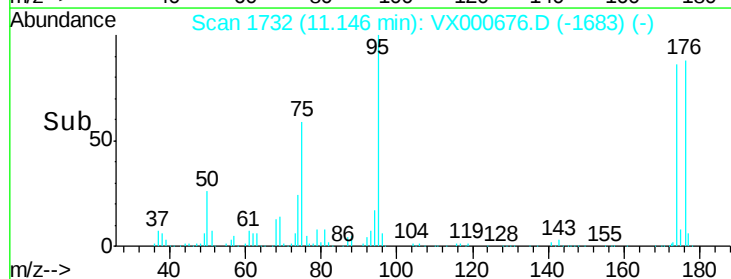
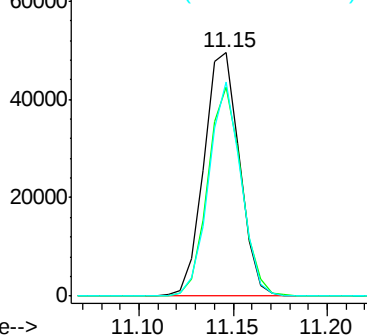
176 79.5 0.0 150.6

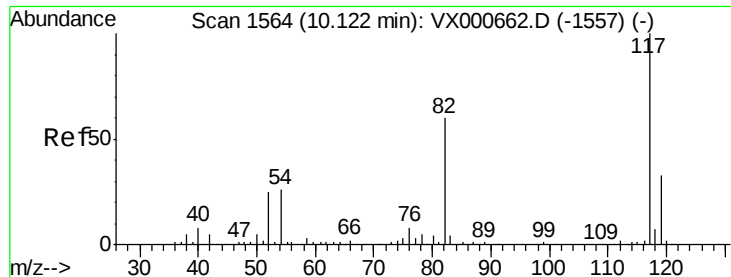


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

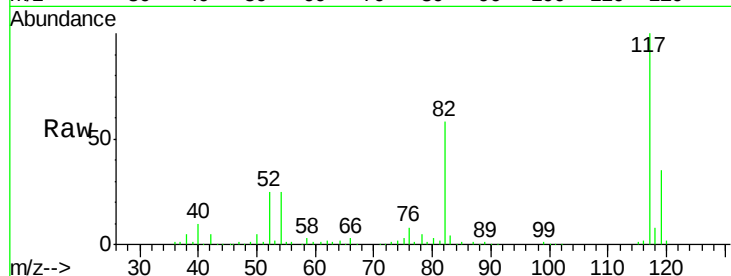




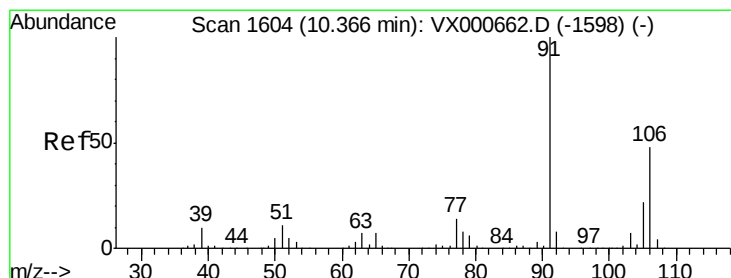
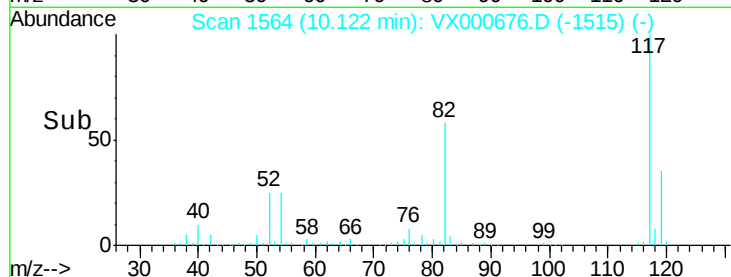
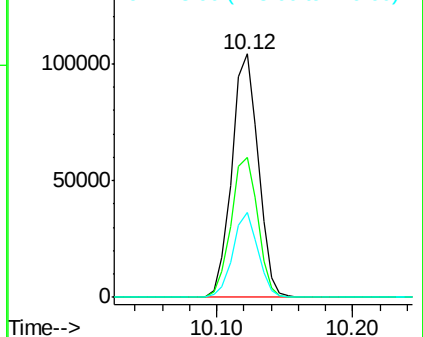
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000676.D
Acq: 04 Apr 2018 23:50

Instrument :
MSVOA_X
ClientSampled :
AU-06-040318-B

Tgt Ion:117 Resp: 140502
Ion Ratio Lower Upper
117 100
82 57.7 48.3 72.5
119 34.8 26.0 39.0

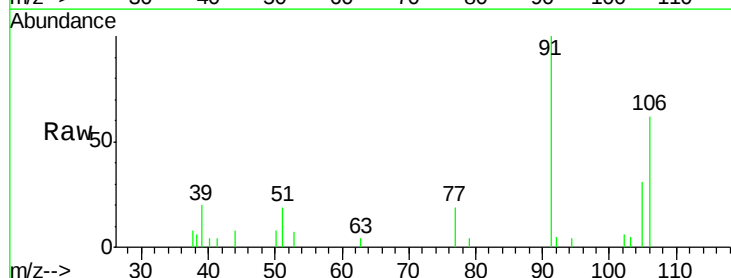


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

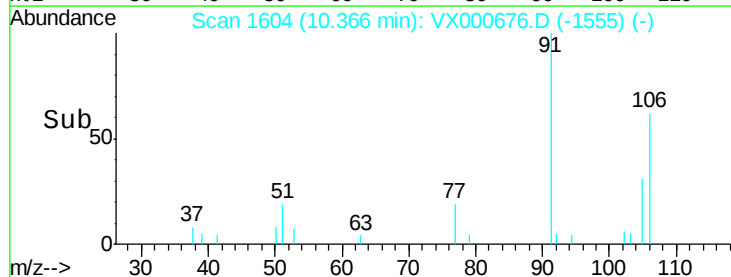
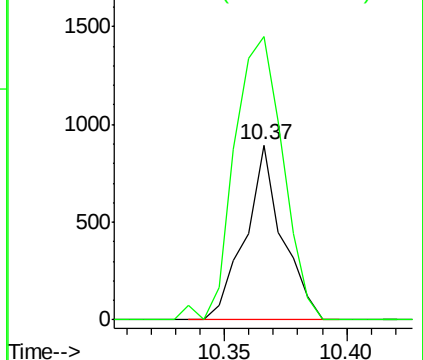


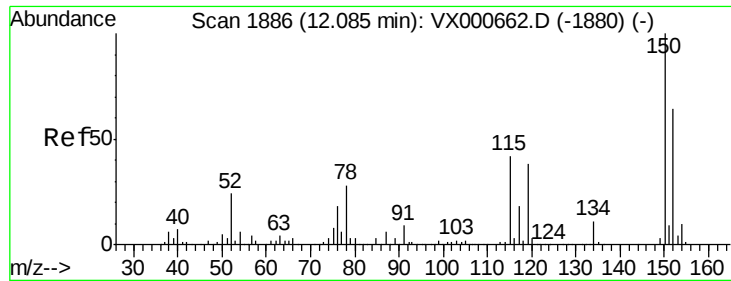
#68
m/p-Xylenes
Concen: 0.50 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000676.D
Acq: 04 Apr 2018 23:50

Tgt Ion:106 Resp: 954
Ion Ratio Lower Upper
106 100
91 210.4 167.0 250.6



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-B

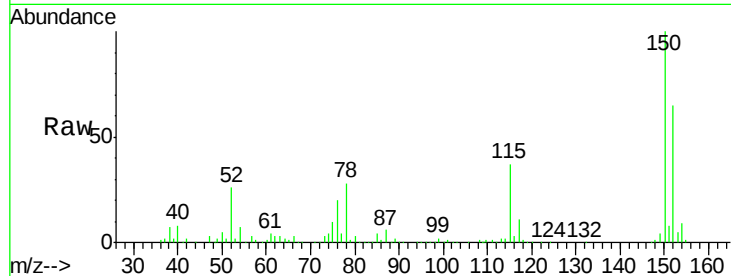
Tgt Ion:152 Resp: 72345

Ion Ratio Lower Upper

152 100

115 59.6 41.9 125.8

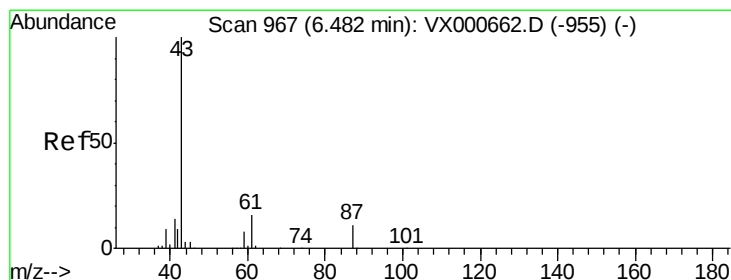
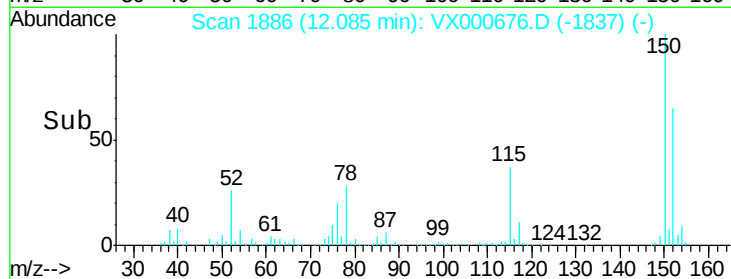
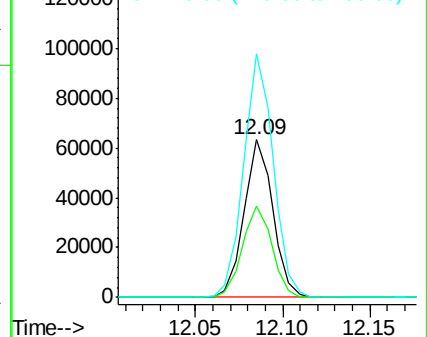
150 159.1 0.0 348.0



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



#74

N-ethyl acetate

Concen: 0.59 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000676.D

Acq: 04 Apr 2018 23:50

Tgt Ion: 43 Resp: 1391

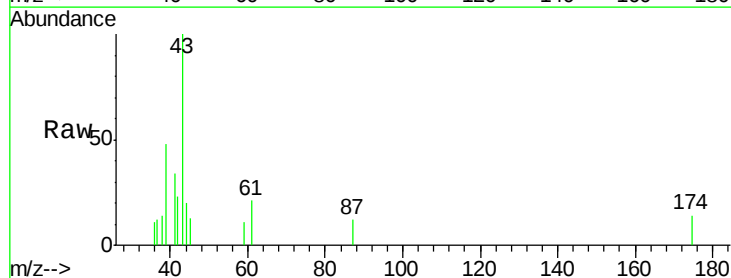
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.8 13.4 20.2

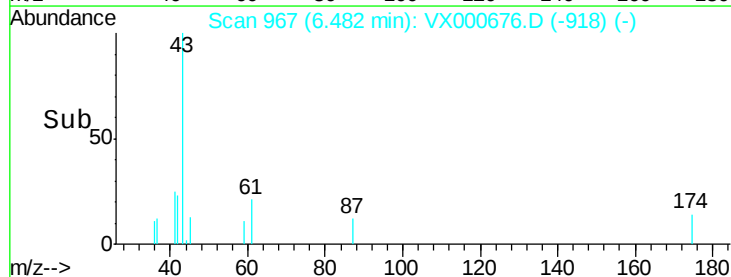
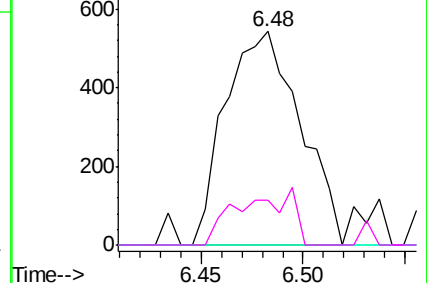


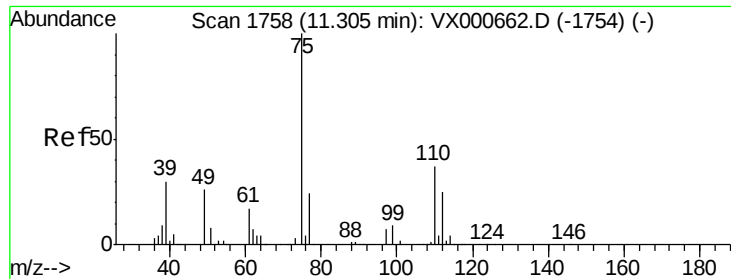
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

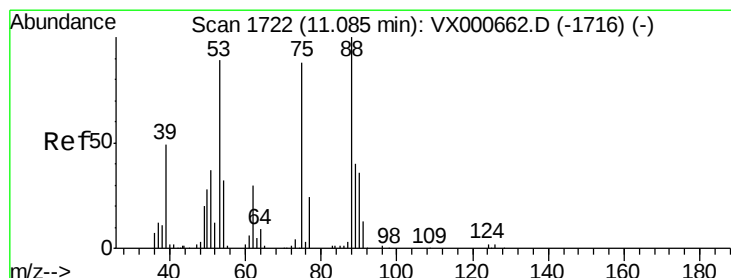
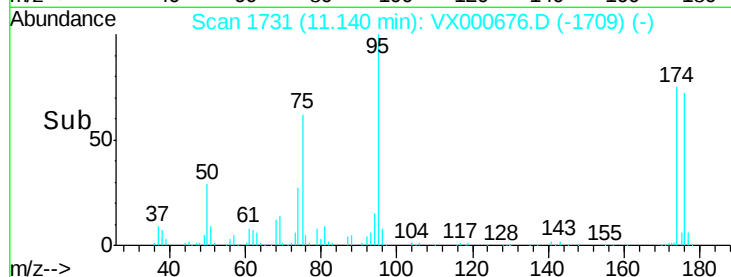
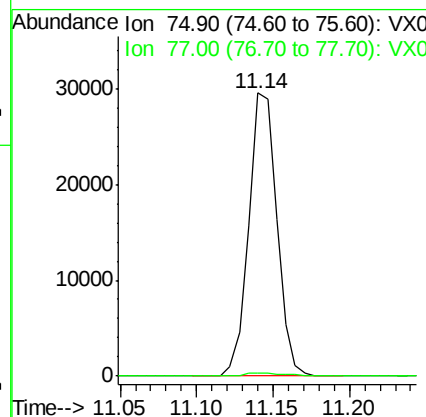
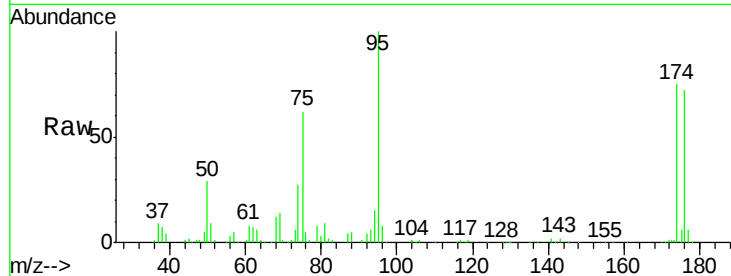




#76
 1,2,3-Trichloropropane
 Concen: 23.92 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

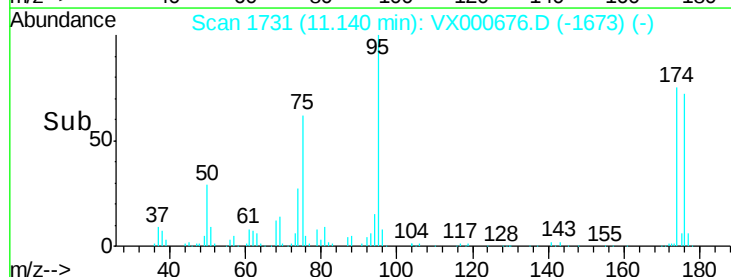
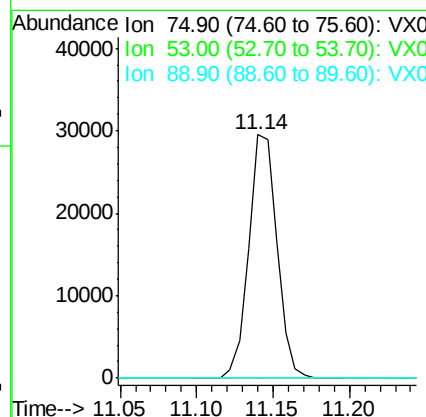
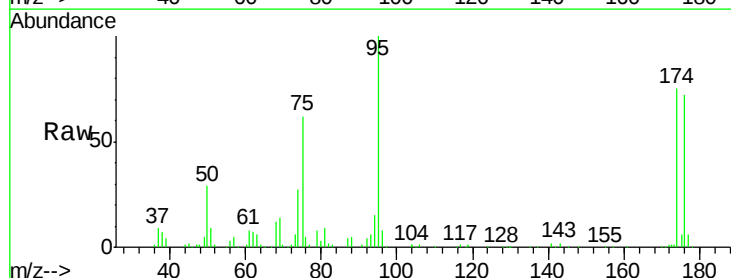
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-B

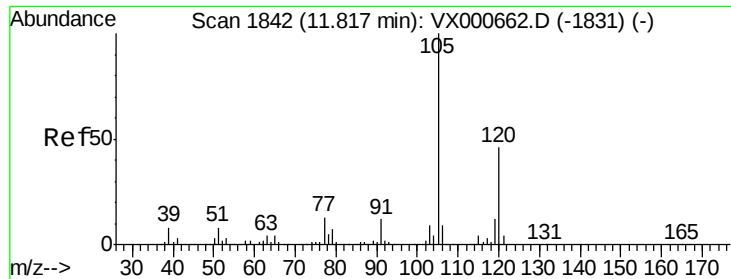
Tgt Ion: 75 Resp: 37737
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.05 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

Tgt Ion: 75 Resp: 37737
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.0 36.3 54.5#

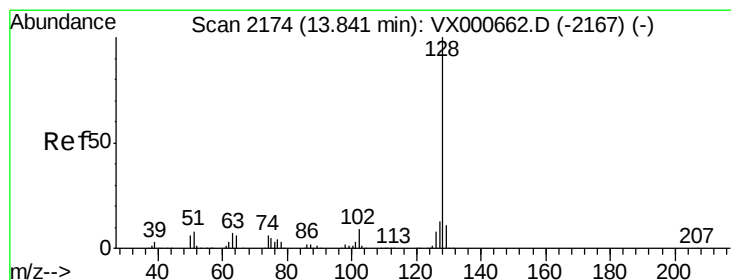
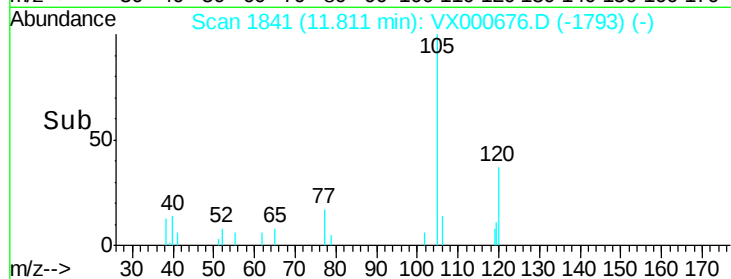
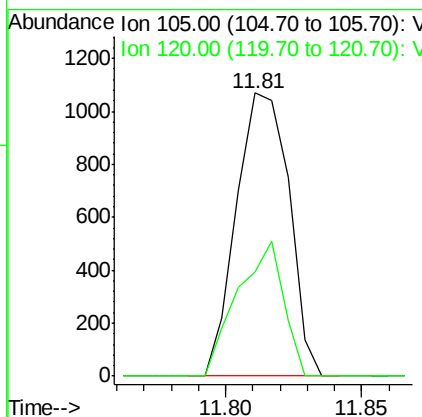
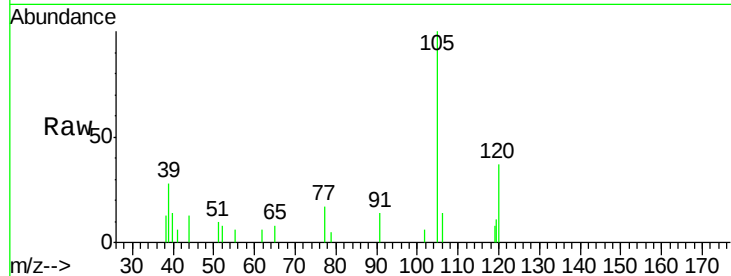




#84
 1,2,4-Trimethylbenzene
 Concen: 0.37 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-B

Tgt Ion:105 Resp: 1435
 Ion Ratio Lower Upper
 105 100
 120 41.5 21.6 65.0



#95
 Naphthalene
 Concen: 1.69 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX000676.D
 Acq: 04 Apr 2018 23:50

Tgt Ion:128 Resp: 9208
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.6 16.0
 129 13.4 8.9 13.3#

