

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000675.D
 Acq On : 04 Apr 2018 23:25
 Operator : JC/MD
 Sample : J2151-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Apr 05 05:24:25 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	5.68	168	84286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	147368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	75718	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	67011	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	
35) Dibromofluoromethane	5.51	113	47787	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.73	98	190859	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
62) 4-Bromofluorobenzene	11.15	95	66100	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	

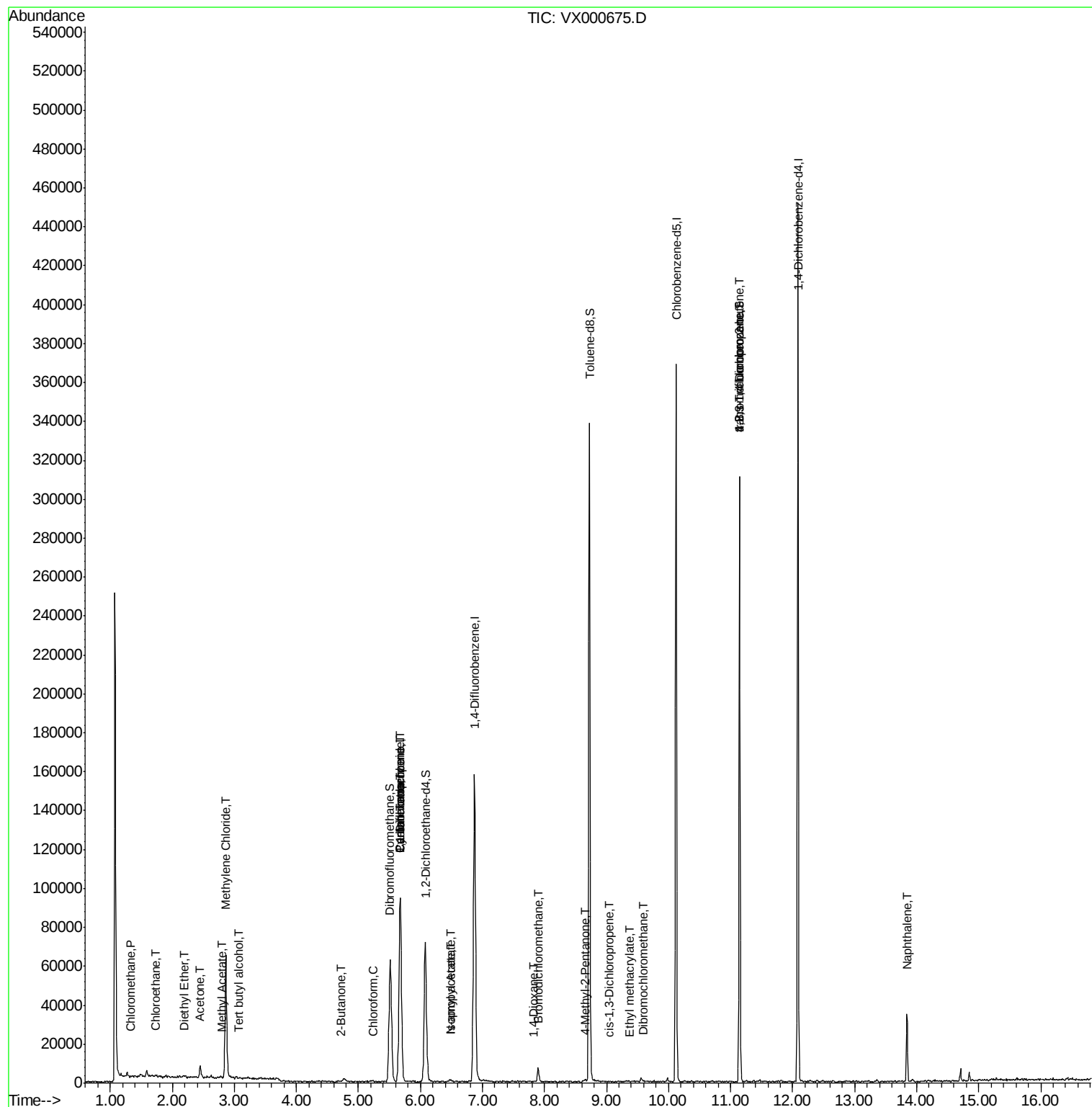
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	252	0.26	ug/l #	40
6) Chloroethane	1.72	64	379	0.41	ug/l #	43
8) Diethyl Ether	2.19	74	255	0.31	ug/l	69
11) Tert butyl alcohol	3.06	59	192	0.35	ug/l #	72
16) Acetone	2.45	43	7566	6.42	ug/l	91
18) Methyl Acetate	2.79	43	566	0.22	ug/l #	55
20) Methylene Chloride	2.86	84	25296	18.83	ug/l	95
25) 2-Butanone	4.72	43	874	0.73	ug/l #	50
30) Chloroform	5.24	83	574	0.31	ug/l #	43
31) Cyclohexane	5.67	56	2822	2.00	ug/l #	60
36) 1,1-Dichloropropene	5.68	75	7724	5.65	ug/l #	52
38) Carbon Tetrachloride	5.68	117	9208	7.00	ug/l #	16
43) Isopropyl Acetate	6.49	43	1349	0.45	ug/l #	92
47) Bromodichloromethane	7.90	83	318	0.22	ug/l #	75
49) 1,4-Dioxane	7.84	88	48	1.46	ug/l #	24
51) 4-Methyl-2-Pentanone	8.66	43	613	0.25	ug/l #	84
54) cis-1,3-Dichloropropene	9.05	75	48	4.19	ug/l #	64
56) Ethyl methacrylate	9.37	69	24	4.33	ug/l #	61
60) Dibromochloromethane	9.60	129	29	4.53	ug/l #	11
74) N-amyl acetate	6.49	43	1349	0.55	ug/l #	100
76) 1,2,3-Trichloropropane	11.15	75	40559	24.56	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	40559	88.07	ug/l #	7
95) Naphthalene	13.84	128	19525	3.43	ug/l	99

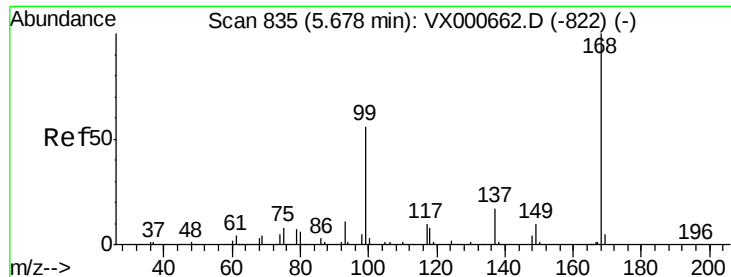
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
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Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Apr 05 05:24:25 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

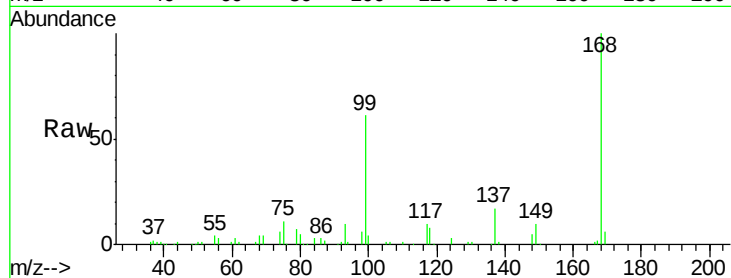
AU-06-040318-A

Tgt Ion:168 Resp: 84286

Ion Ratio Lower Upper

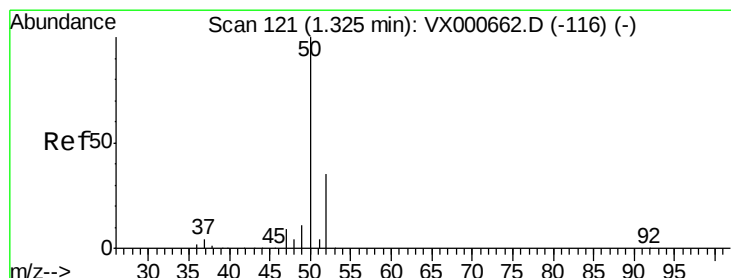
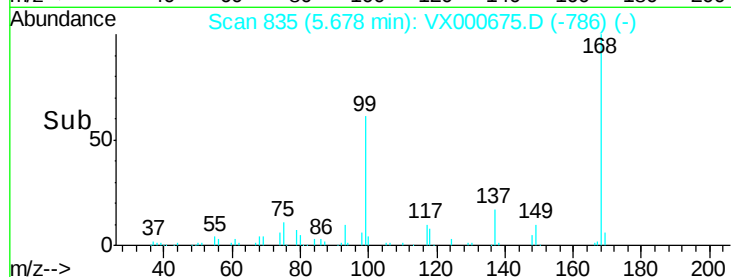
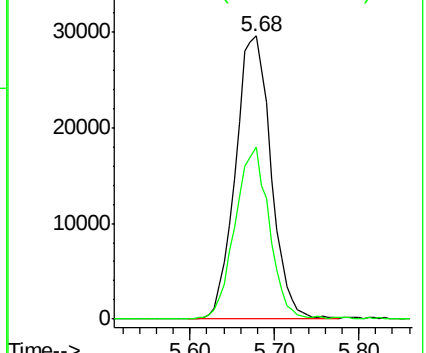
168 100

99 60.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX000675.D

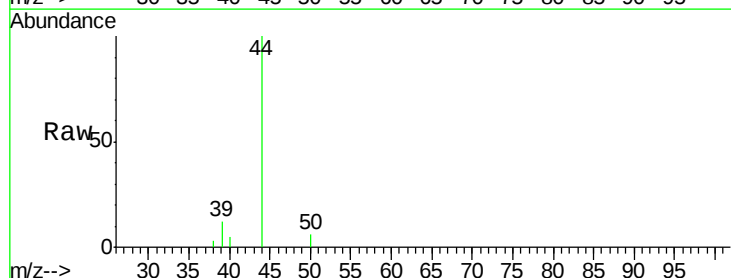
Acq: 04 Apr 2018 23:25

Tgt Ion: 50 Resp: 252

Ion Ratio Lower Upper

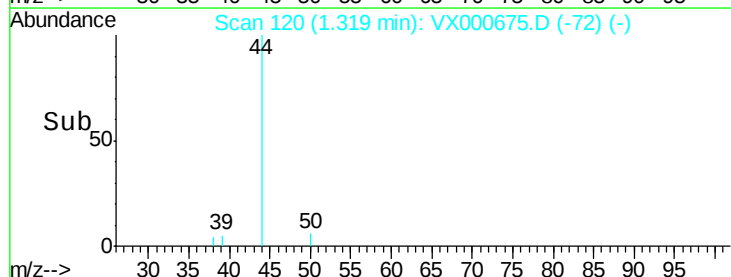
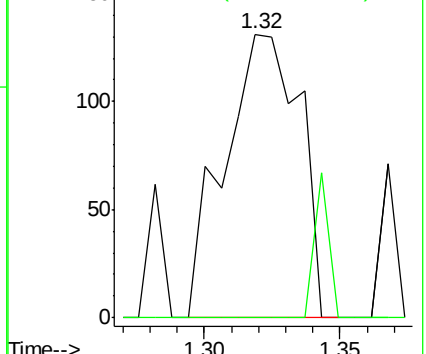
50 100

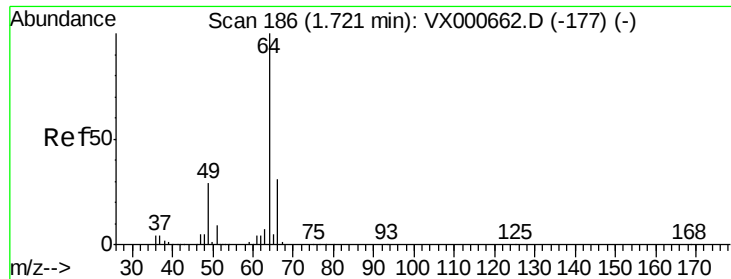
52 0.0 28.0 42.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.41 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

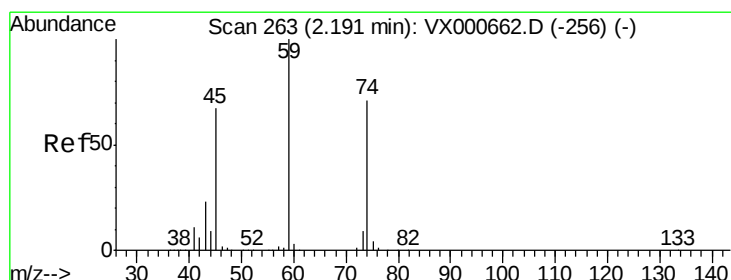
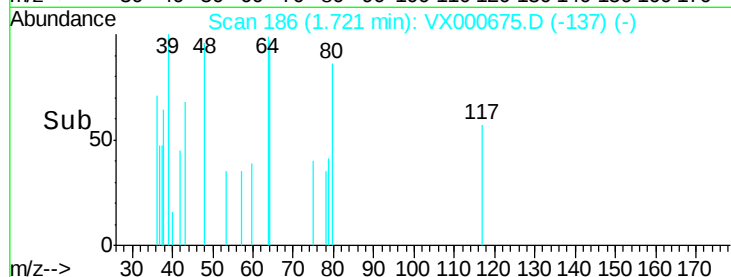
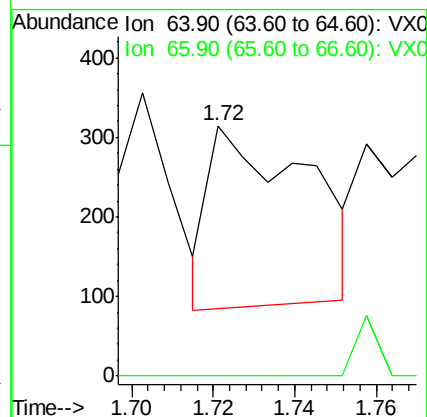
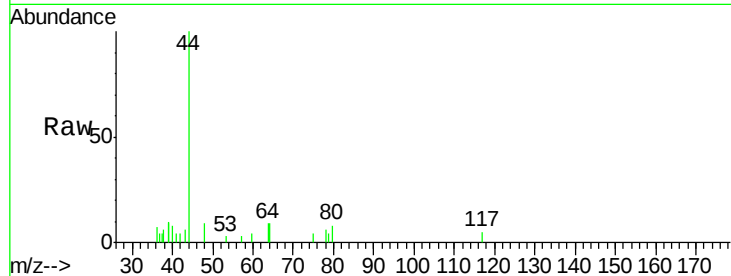
AU-06-040318-A

Tgt Ion: 64 Resp: 379

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#8

Diethyl Ether

Concen: 0.31 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX000675.D

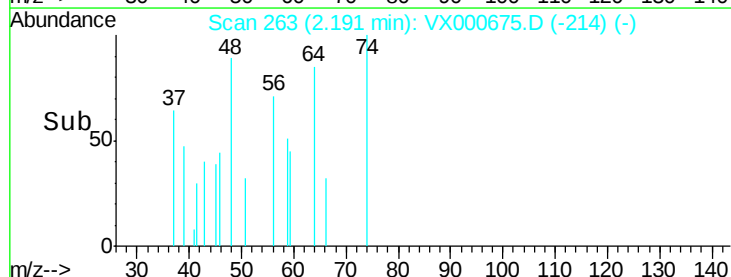
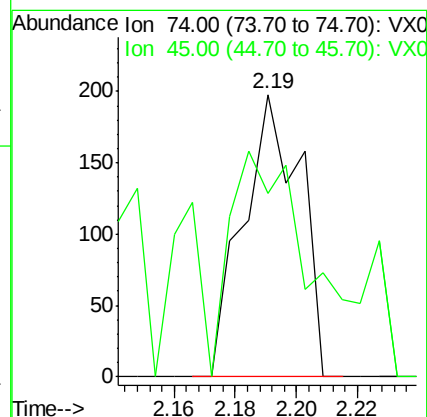
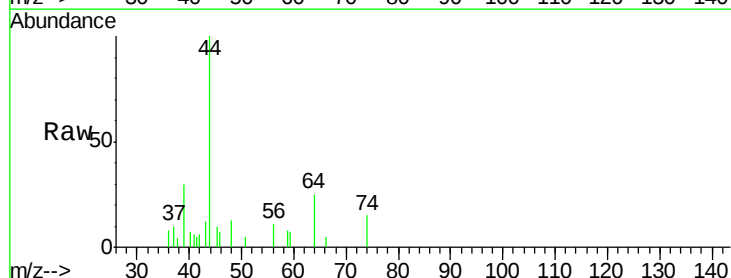
Acq: 04 Apr 2018 23:25

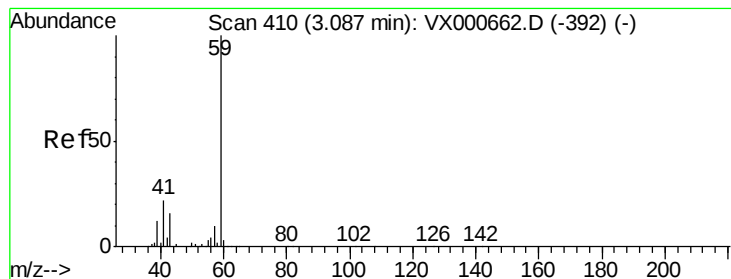
Tgt Ion: 74 Resp: 255

Ion Ratio Lower Upper

74 100

45 126.3 47.9 143.7





#11

Tert butyl alcohol

Concen: 0.35 ug/l

RT: 3.06 min Scan# 406

Delta R.T. -0.02 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

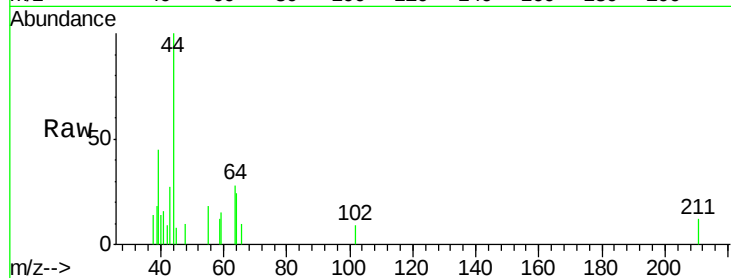
AU-06-040318-A

Tgt Ion: 59 Resp: 192

Ion Ratio Lower Upper

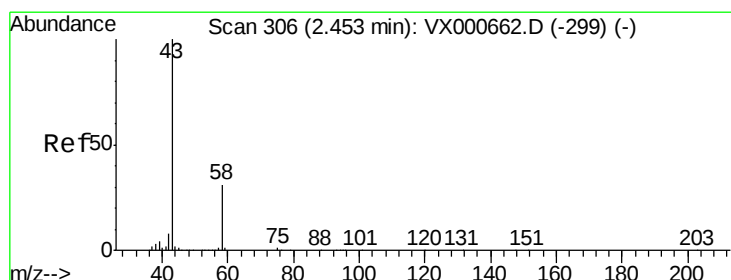
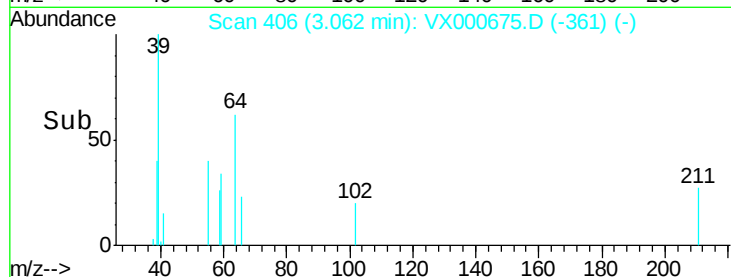
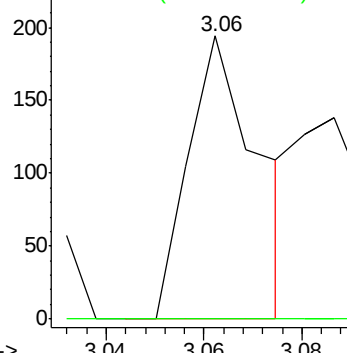
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 6.42 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000675.D

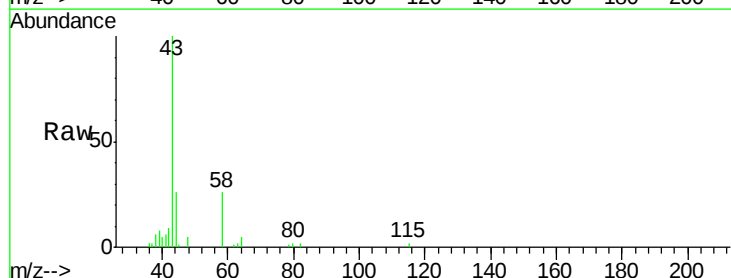
Acq: 04 Apr 2018 23:25

Tgt Ion: 43 Resp: 7566

Ion Ratio Lower Upper

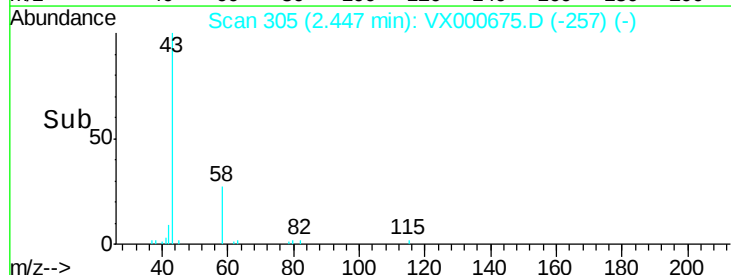
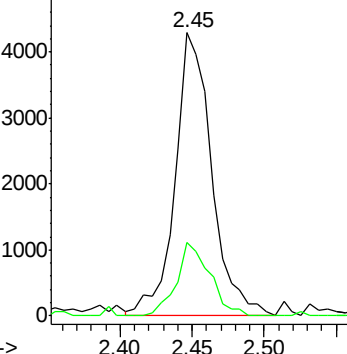
43 100

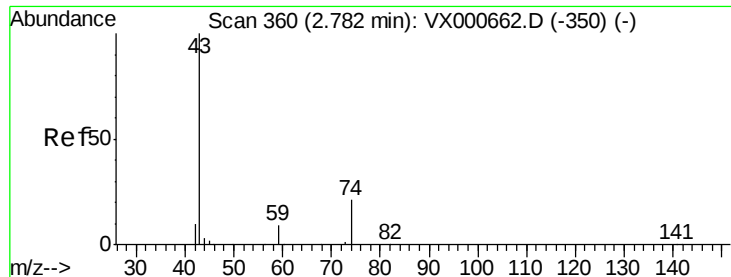
58 25.8 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

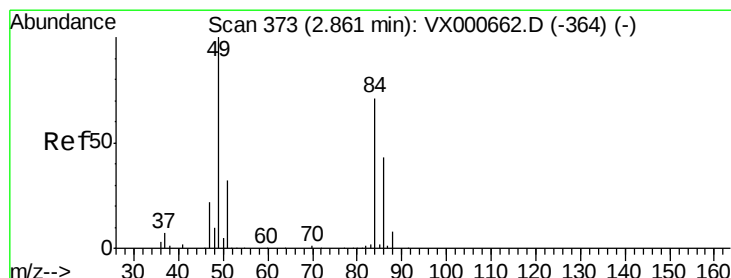
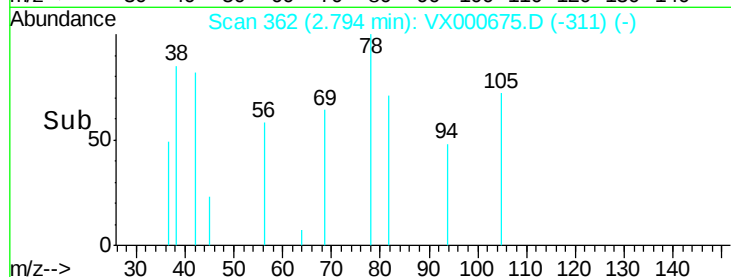
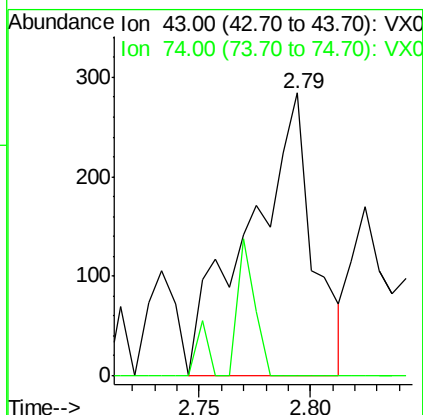
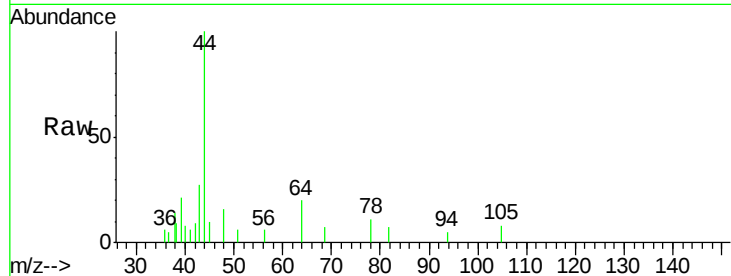




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

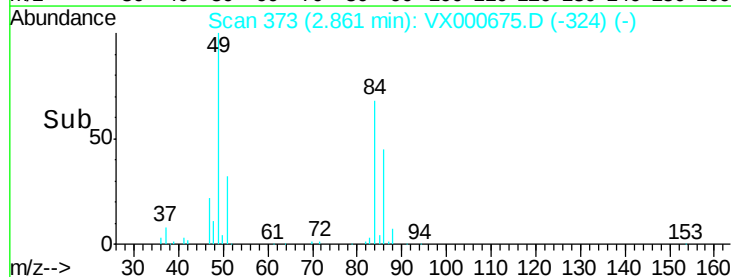
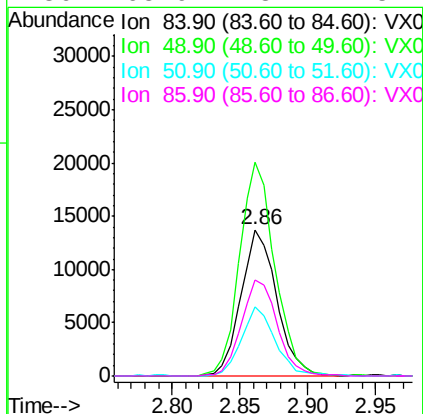
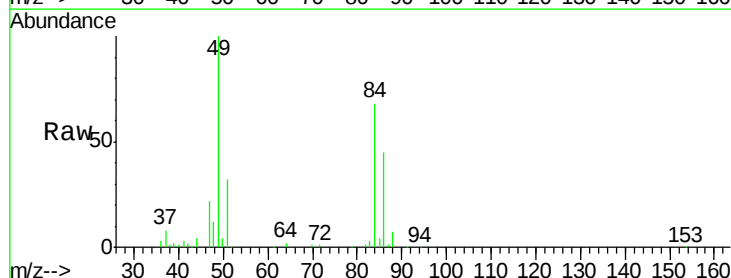
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-A

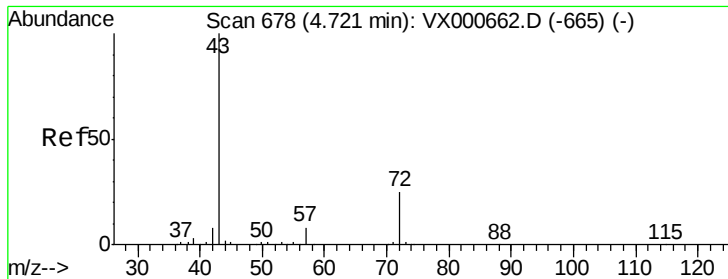
Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 18.83 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

Tgt Ion: 84 Resp: 25296
Ion Ratio Lower Upper
84 100
49 145.8 112.1 168.1
51 47.4 35.4 53.0
86 65.9 48.7 73.1





#25

2-Butanone

Concen: 0.73 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

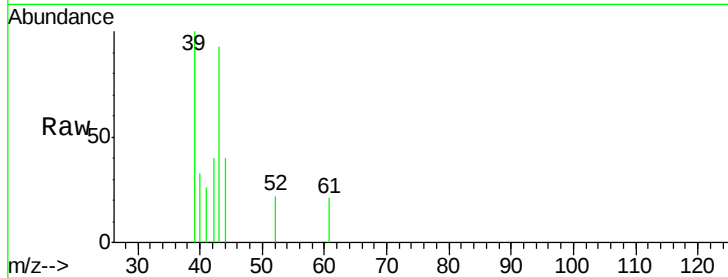
AU-06-040318-A

Tgt Ion: 43 Resp: 874

Ion Ratio Lower Upper

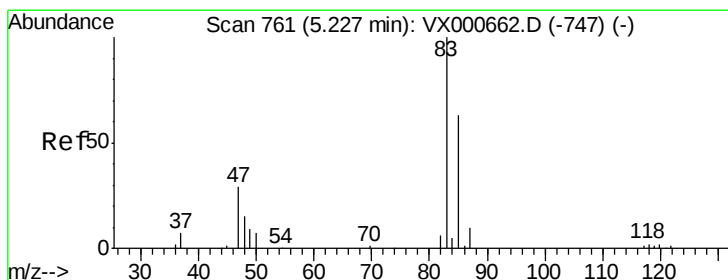
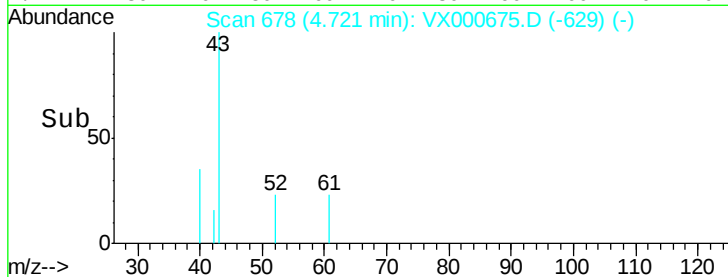
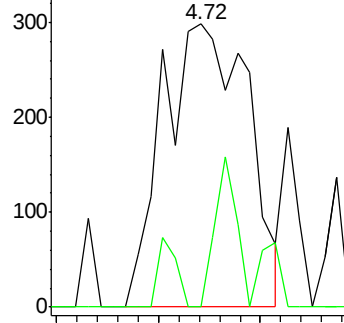
43 100

72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 0.31 ug/l

RT: 5.24 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX000675.D

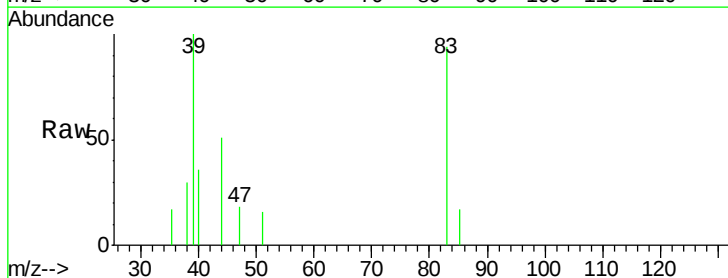
Acq: 04 Apr 2018 23:25

Tgt Ion: 83 Resp: 574

Ion Ratio Lower Upper

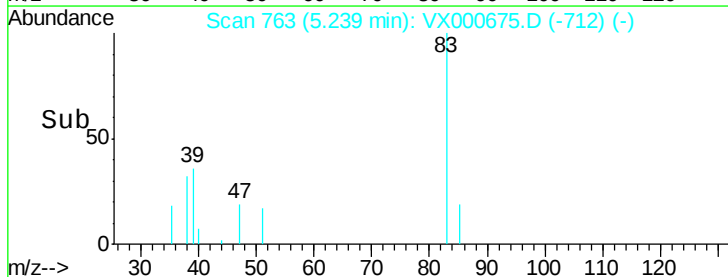
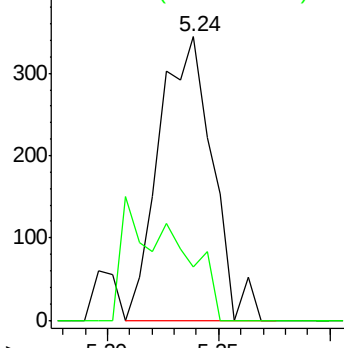
83 100

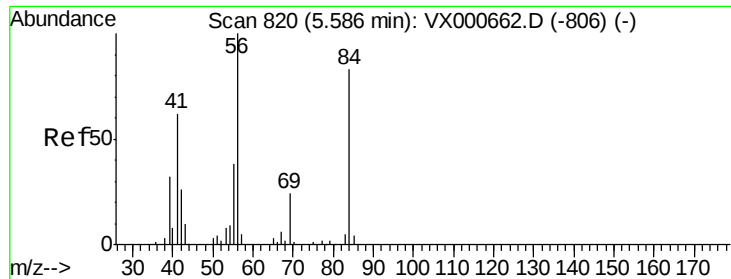
85 18.6 50.2 75.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

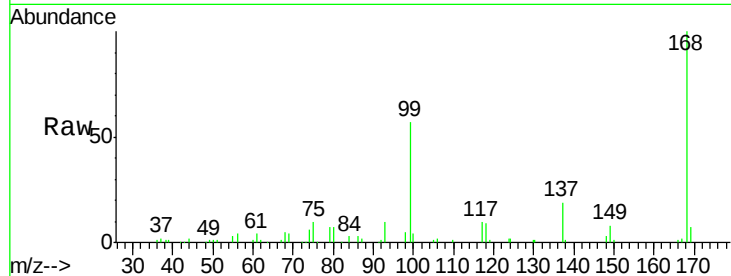




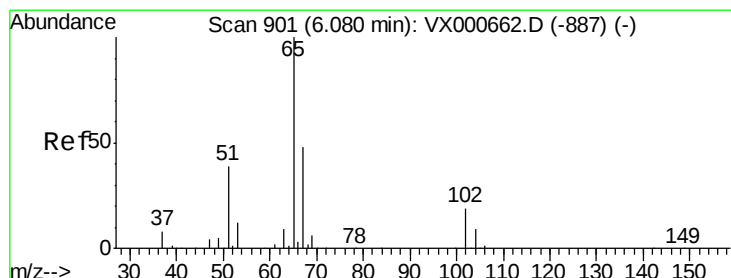
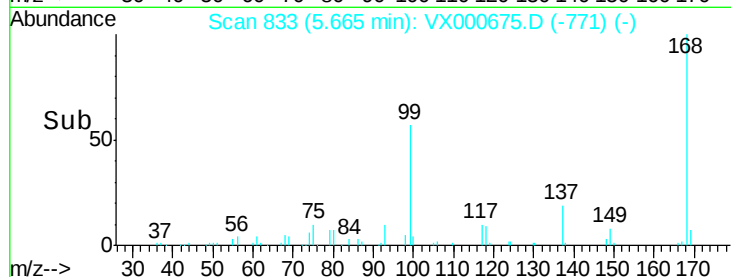
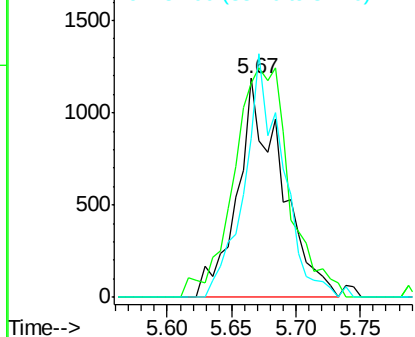
#31
Cyclohexane
Concen: 2.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

Instrument :
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ClientSampleId :
AU-06-040318-A

Tgt Ion: 56 Resp: 2822
Ion Ratio Lower Upper
56 100
69 91.3 19.4 29.0#
84 72.5 66.8 100.2

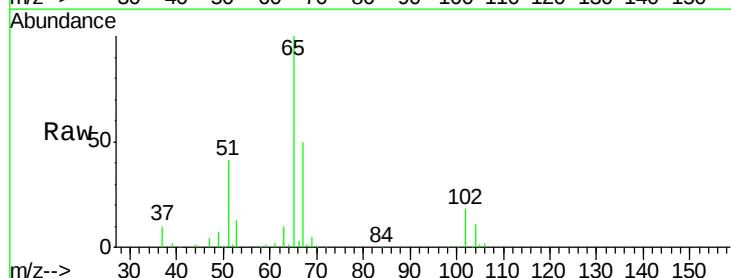


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

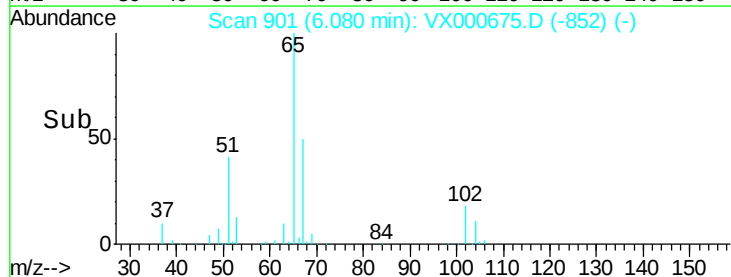
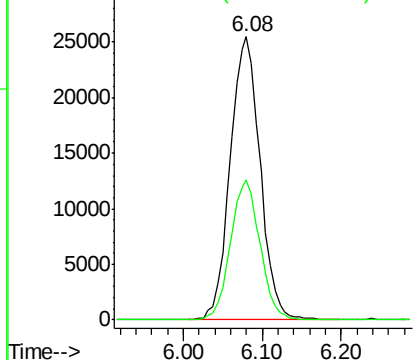


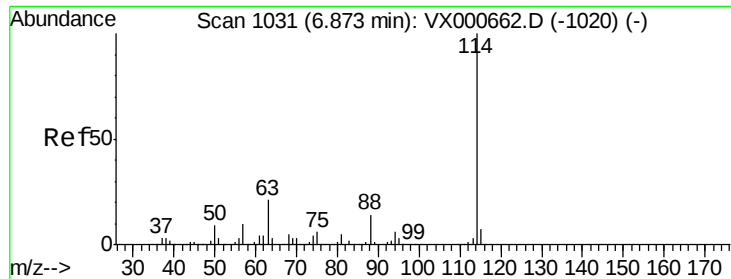
#33
1,2-Dichloroethane-d4
Concen: 46.80 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.00 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

Tgt Ion: 65 Resp: 67011
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.8



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

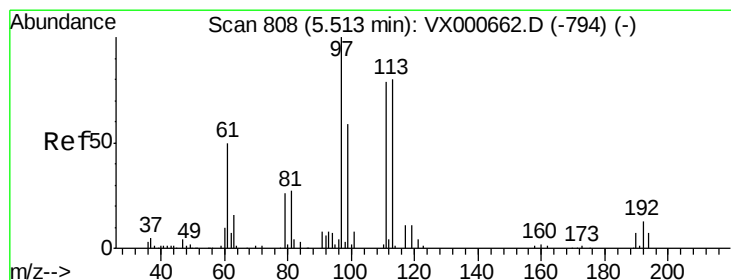
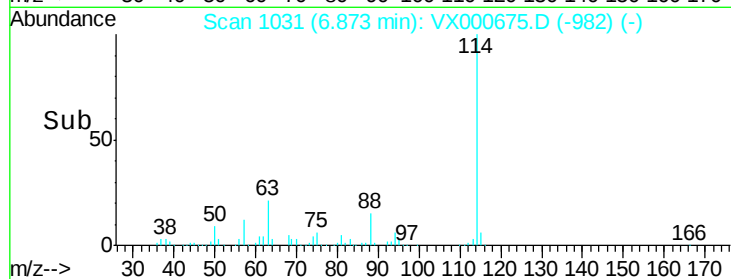
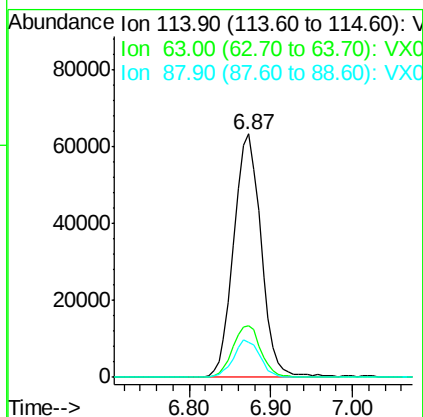
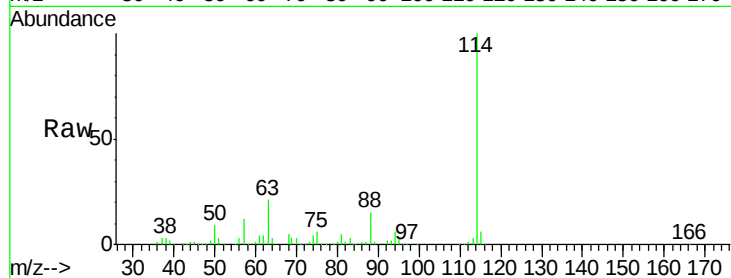




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

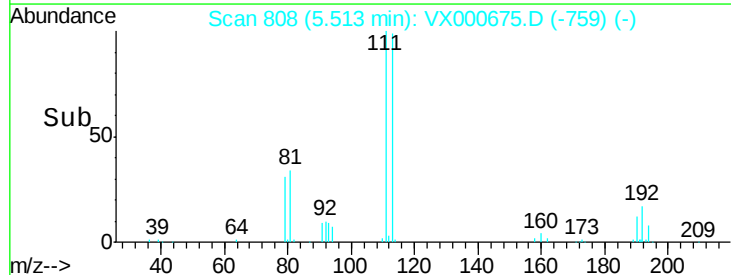
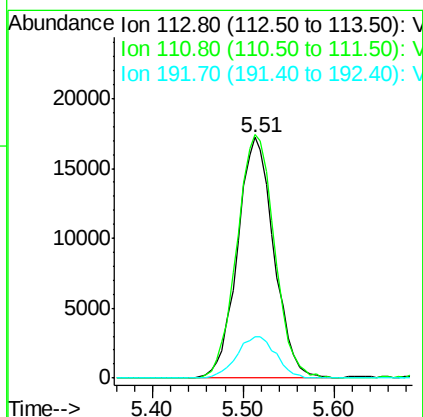
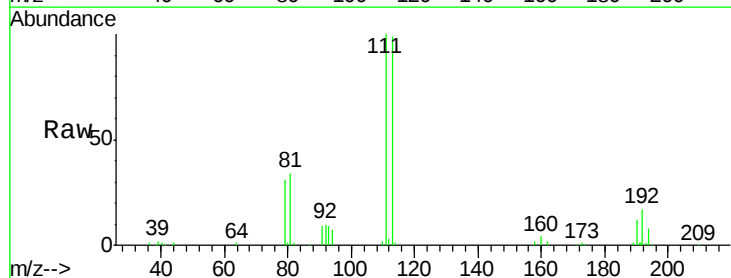
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-A

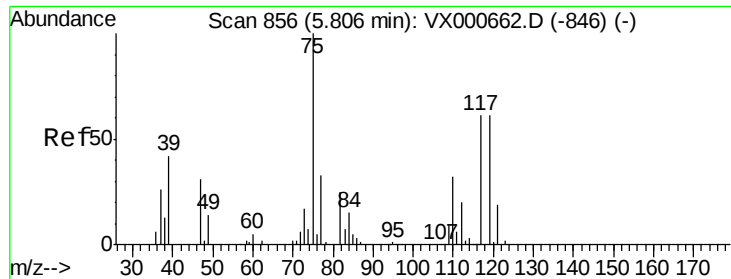
Tgt Ion:114 Resp: 147368
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.6
 88 14.5 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 47.50 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

Tgt Ion:113 Resp: 47787
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.0 123.0
 192 18.6 14.3 21.5

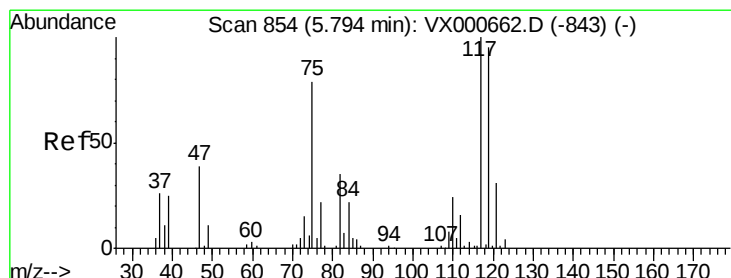
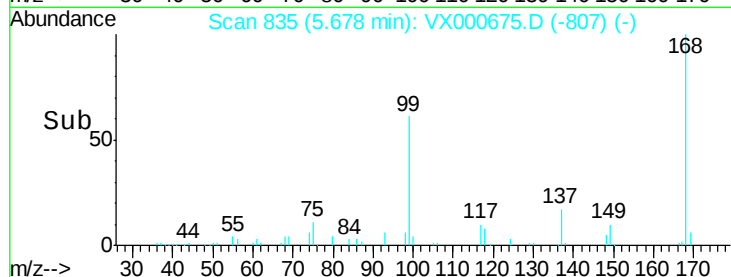
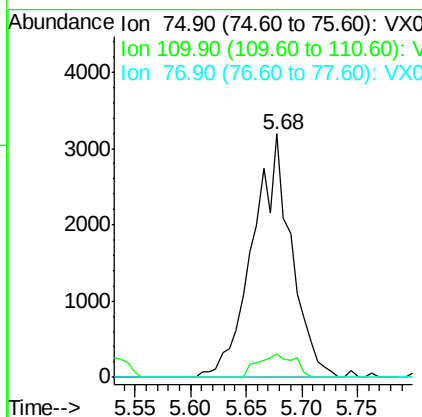
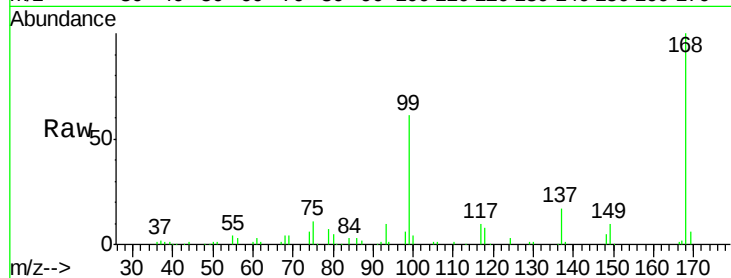




#36
 1,1-Dichloropropene
 Concen: 5.65 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

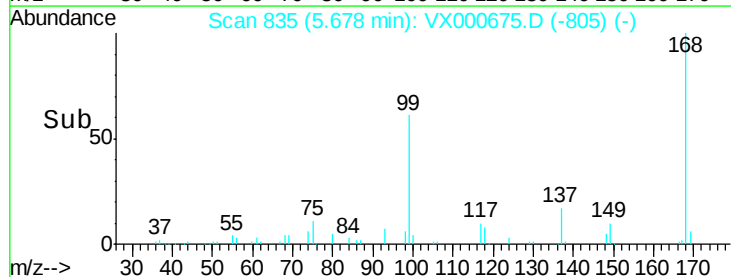
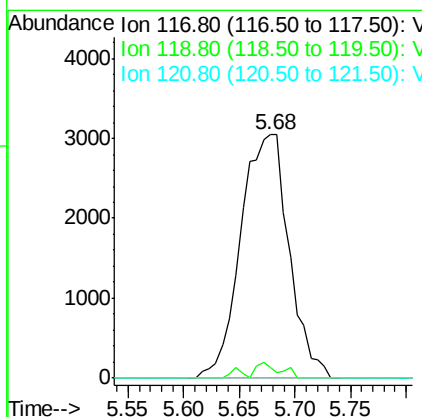
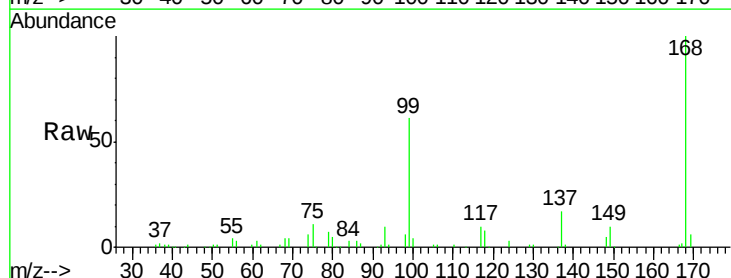
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-A

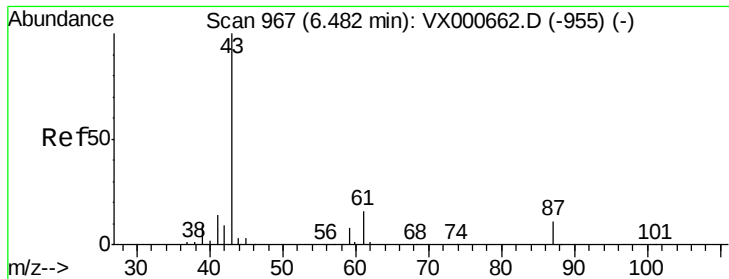
Tgt Ion: 75 Resp: 7724
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.3 48.9#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

Tgt Ion: 117 Resp: 9208
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.1 114.1#
 121 0.0 24.8 37.2#



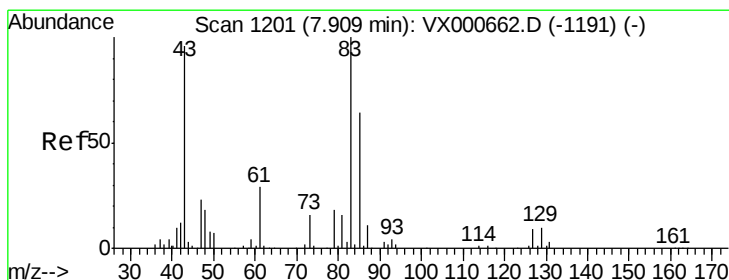
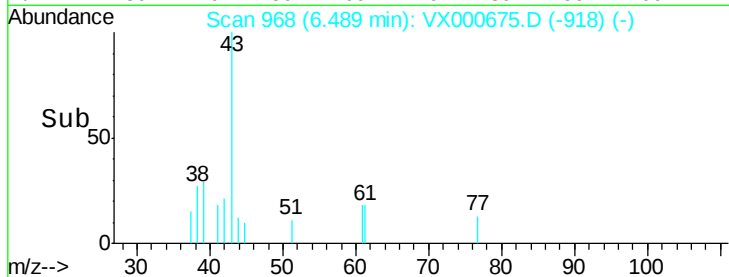
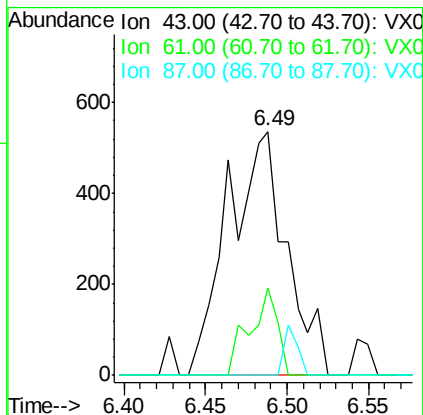
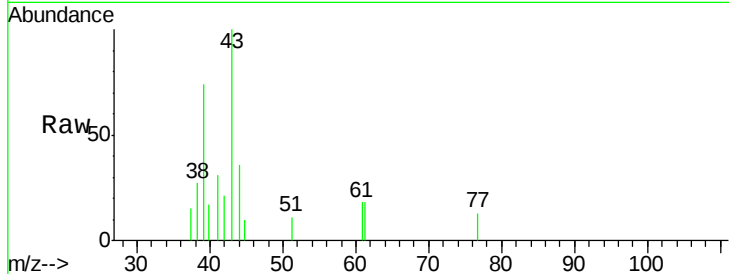


#43

Isopropyl Acetate
 Concen: 0.45 ug/l
 RT: 6.49 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

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

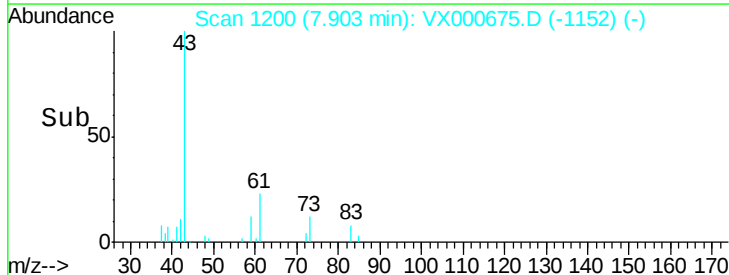
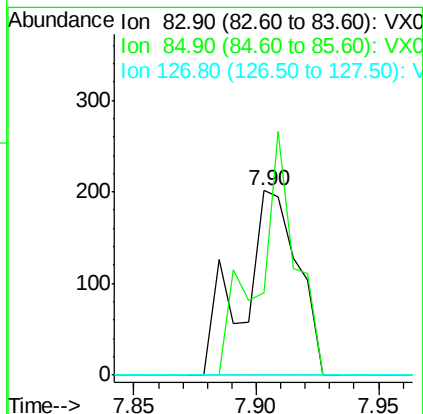
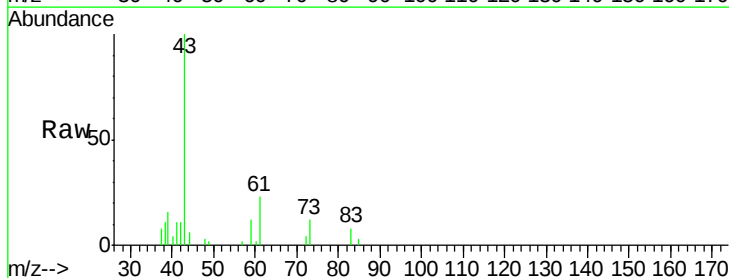
Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.4	20.2
87	4.7	9.4	14.0#

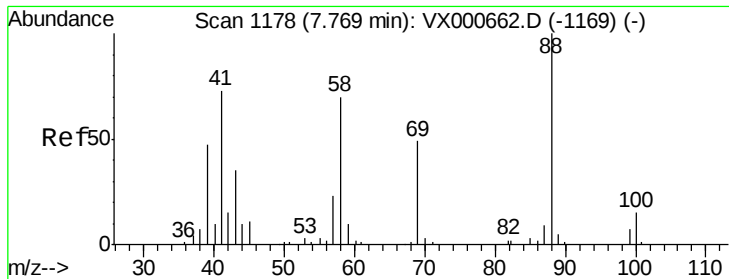


#47

Bromodichloromethane
 Concen: 0.22 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	44.8	51.4	77.0#
127	0.0	7.3	10.9#

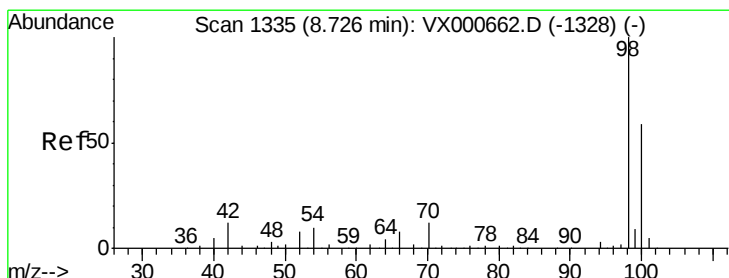
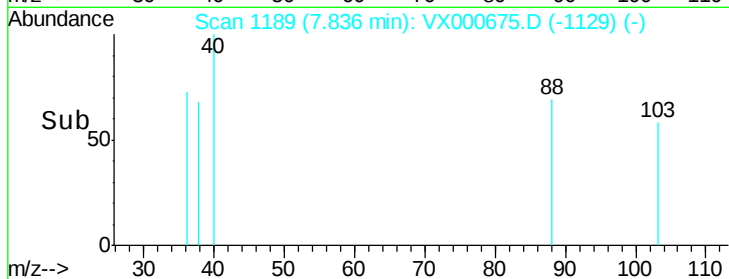
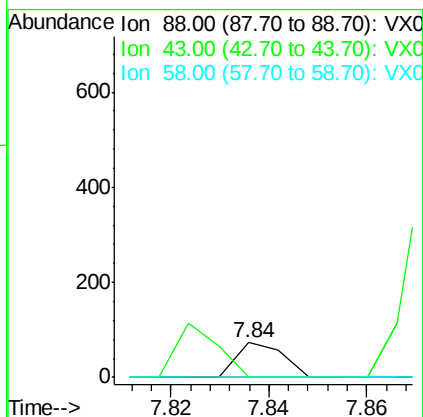
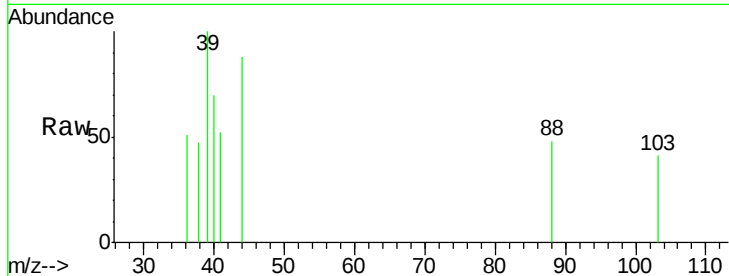




#49
1,4-Dioxane
Concen: 1.46 ug/l
RT: 7.84 min Scan# 1189
Delta R.T. 0.07 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

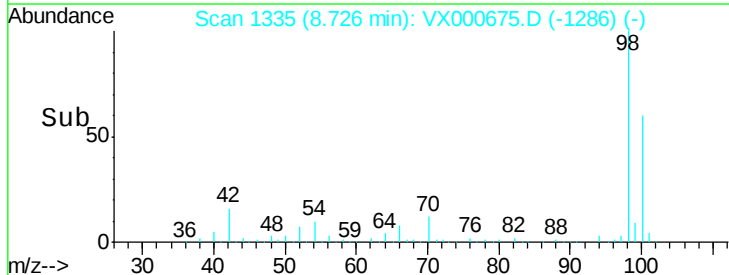
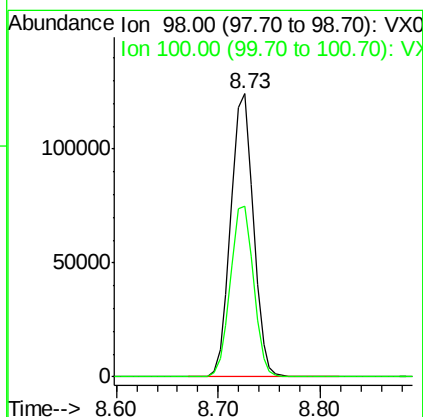
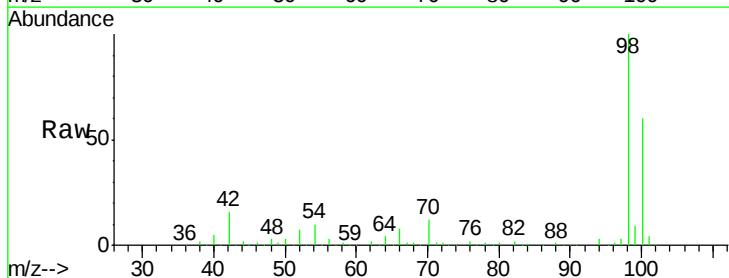
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-A

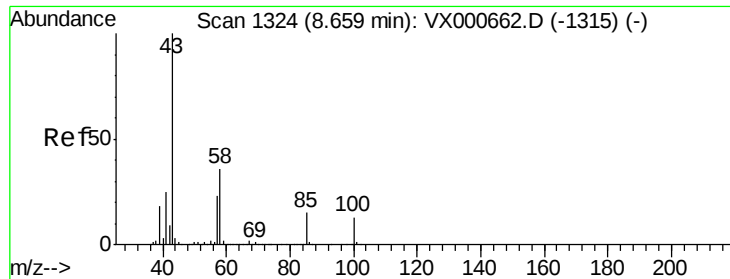
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 0.0 53.4 80.0#



#50
Toluene-d8
Concen: 44.62 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

Tgt Ion: 98 Resp: 190859
Ion Ratio Lower Upper
98 100
100 61.8 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

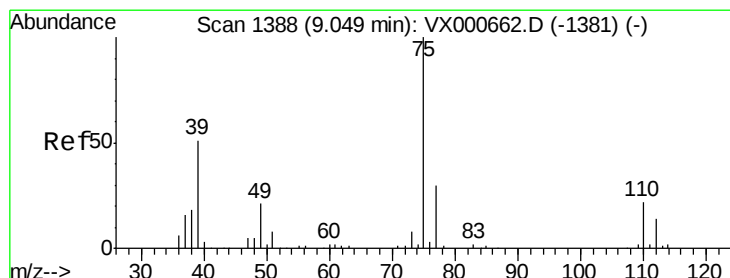
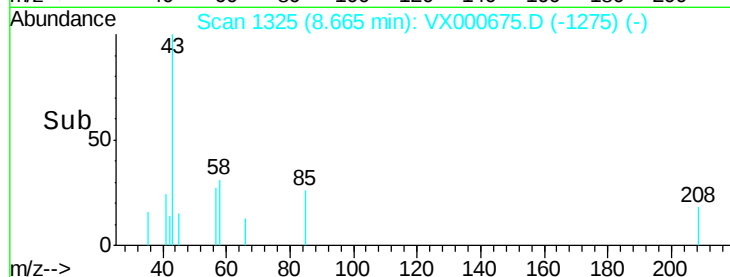
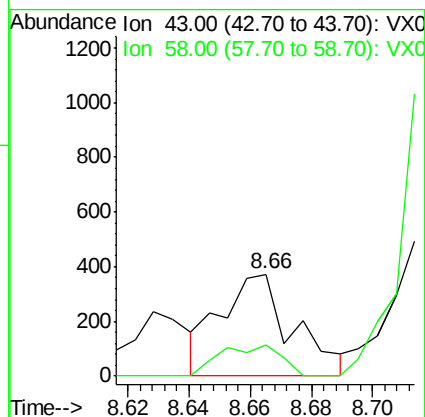
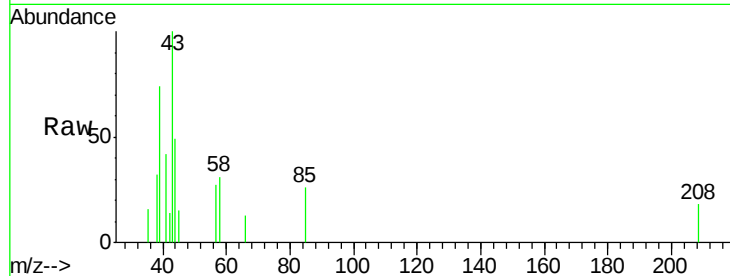
AU-06-040318-A

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 25.9 28.2 42.2#



#54

cis-1,3-Dichloropropene

Concen: 4.19 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

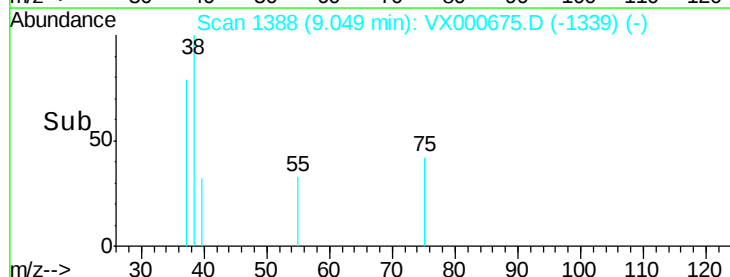
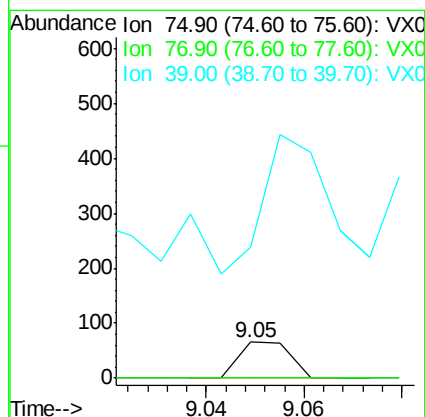
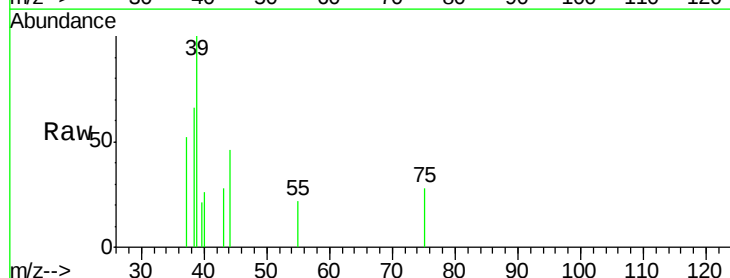
Tgt Ion: 75 Resp: 48

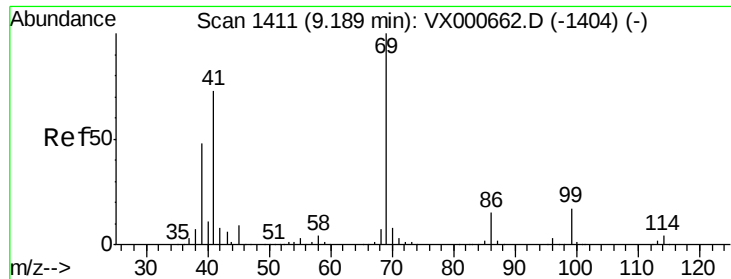
Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#

39 33.3 40.7 61.1#





#56

Ethyl methacrylate

Concen: 4.33 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.18 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-A

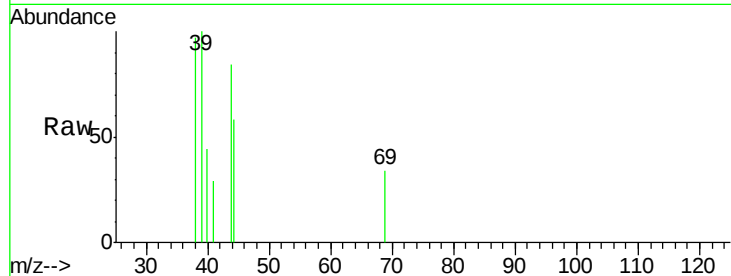
Tgt Ion: 69 Resp: 24

Ion Ratio Lower Upper

69 100

41 83.3 56.5 84.7

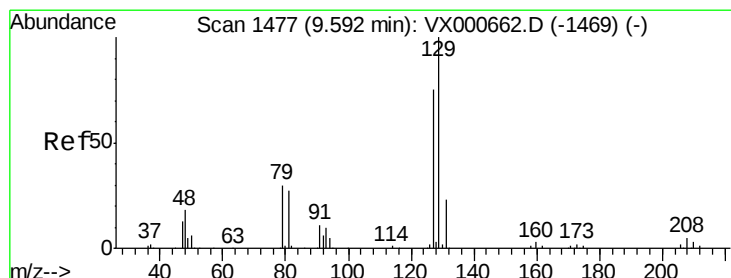
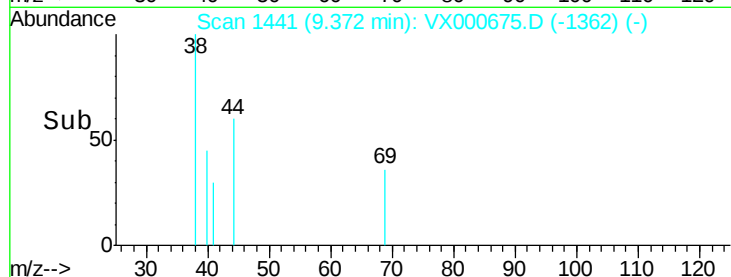
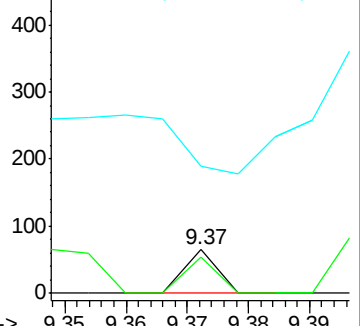
39 0.0 39.8 59.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#60

Dibromochloromethane

Concen: 4.53 ug/l

RT: 9.60 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX000675.D

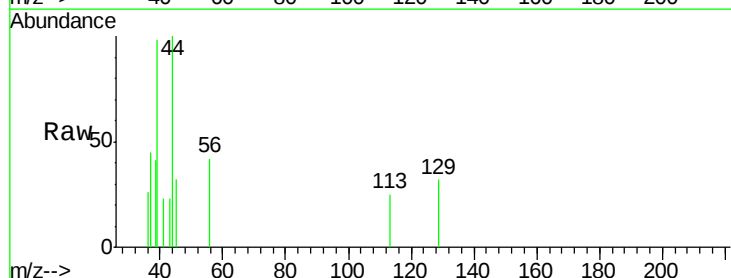
Acq: 04 Apr 2018 23:25

Tgt Ion: 129 Resp: 29

Ion Ratio Lower Upper

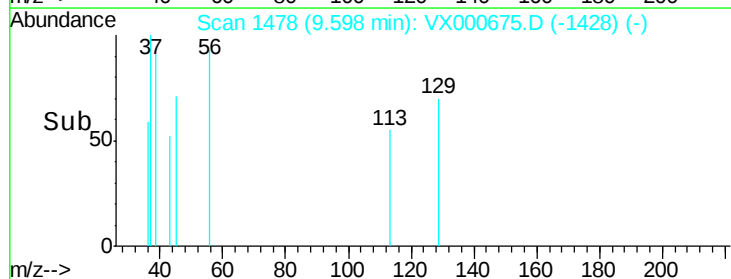
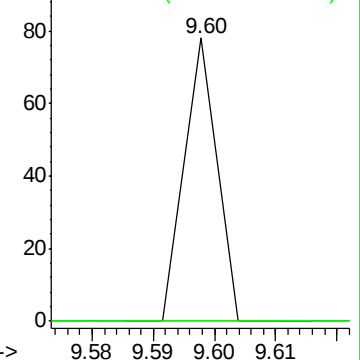
129 100

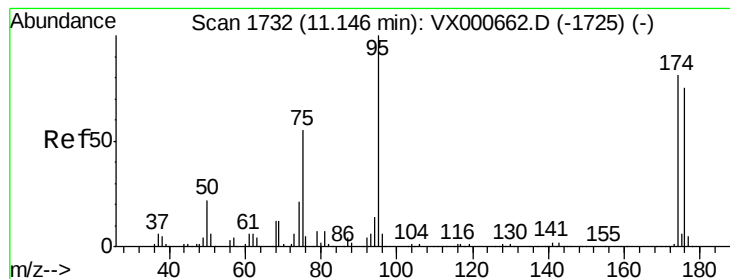
127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 39.04 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-A

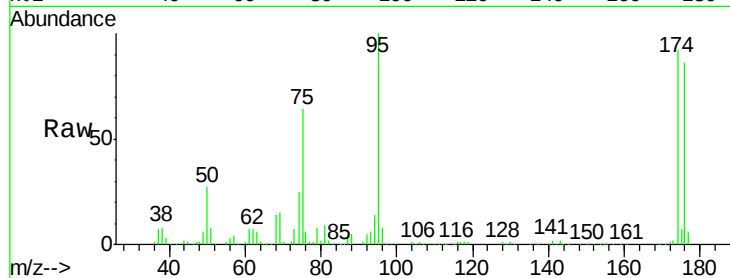
Tgt Ion: 95 Resp: 66100

Ion Ratio Lower Upper

95 100

174 85.0 0.0 156.8

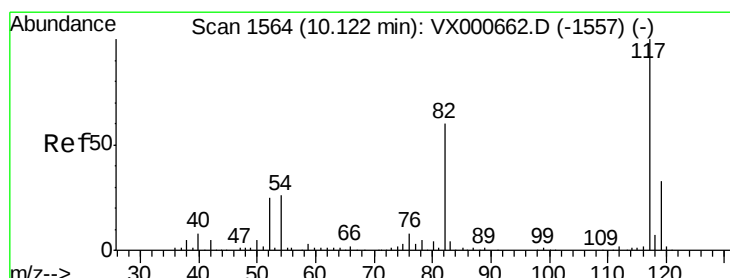
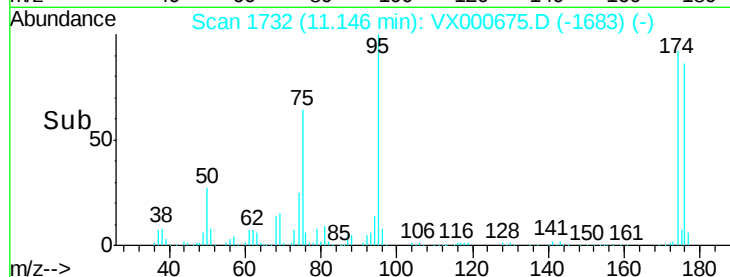
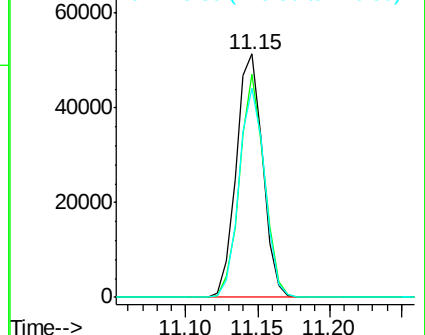
176 83.1 0.0 150.6



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: VX000675.D

Acq: 04 Apr 2018 23:25

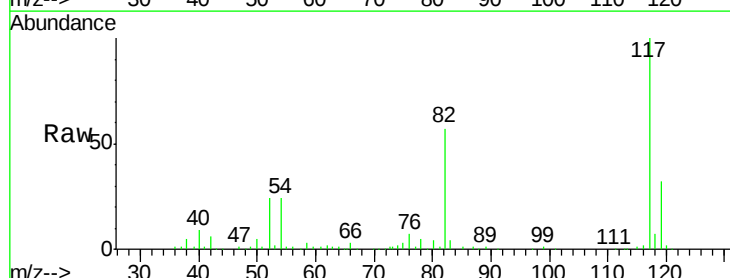
Tgt Ion: 117 Resp: 146719

Ion Ratio Lower Upper

117 100

82 56.6 48.3 72.5

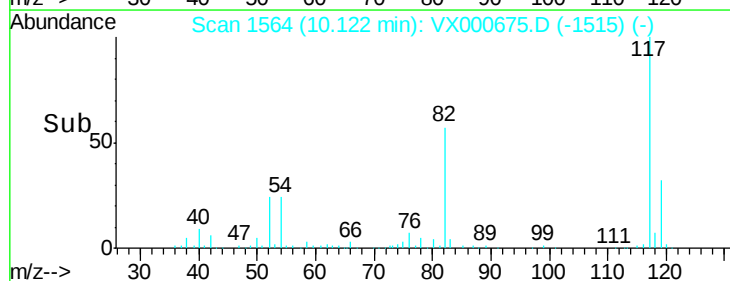
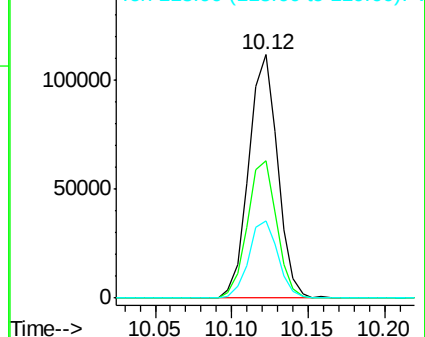
119 31.8 26.0 39.0

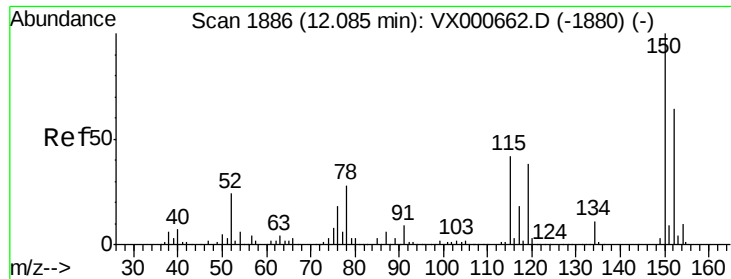


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-A

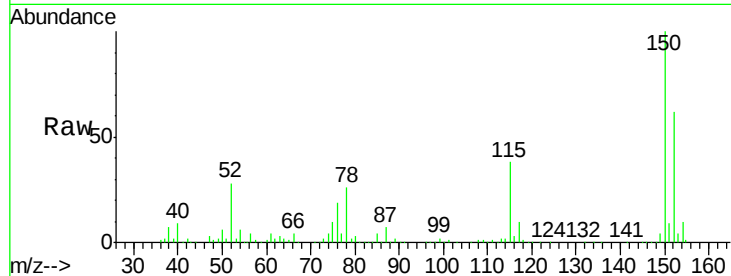
Tgt Ion:152 Resp: 75718

Ion Ratio Lower Upper

152 100

115 59.0 41.9 125.8

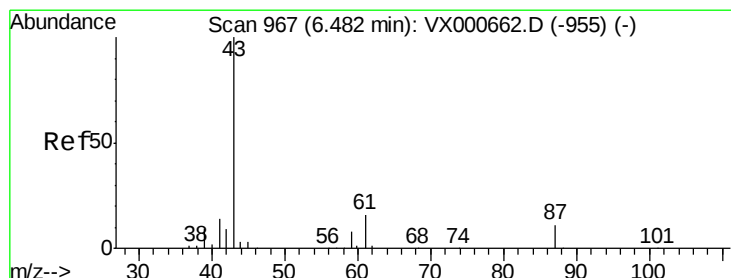
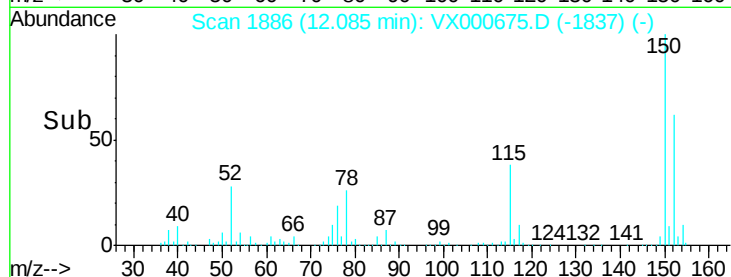
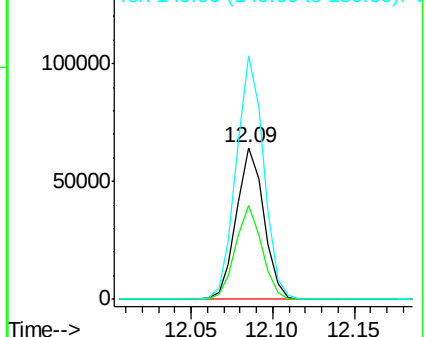
150 159.6 0.0 348.0



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: 0.55 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000675.D

Acq: 04 Apr 2018 23:25

Tgt Ion: 43 Resp: 1349

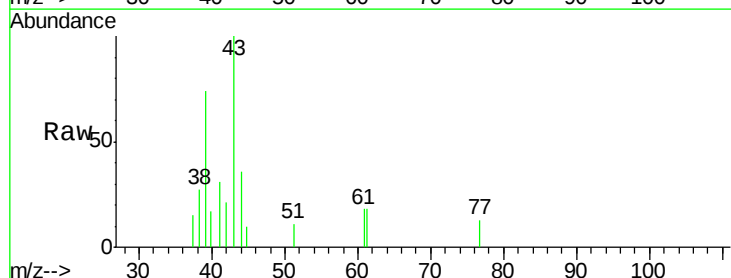
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 1.6 0.0 0.0#

61 16.8 13.4 20.2

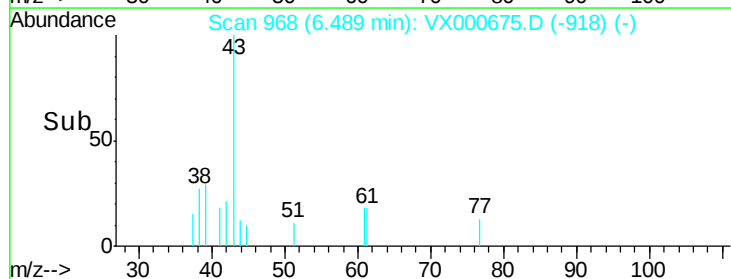
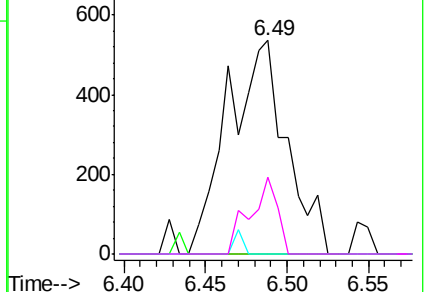


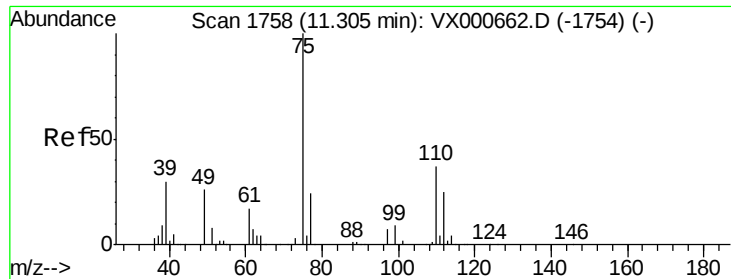
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

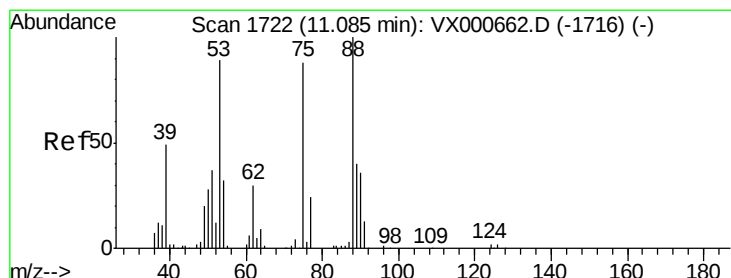
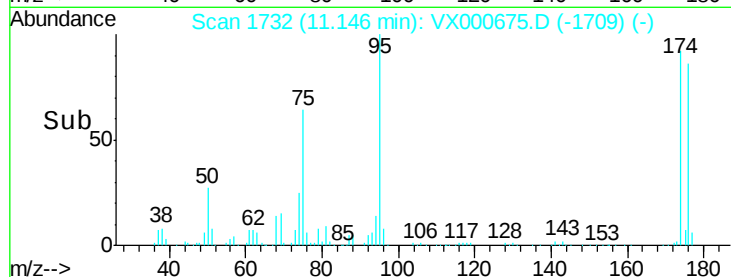
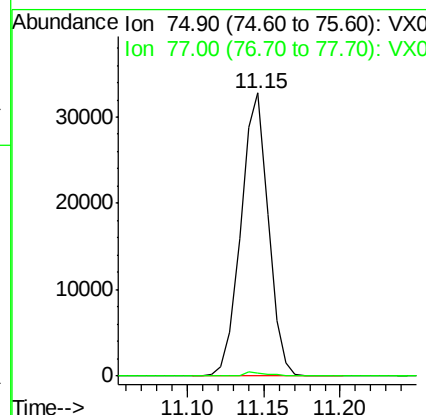
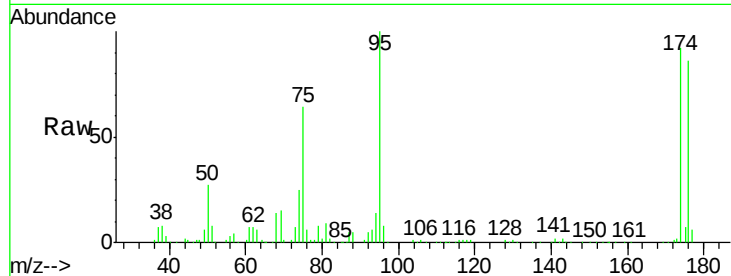




#76
 1,2,3-Trichloropropane
 Concen: 24.56 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

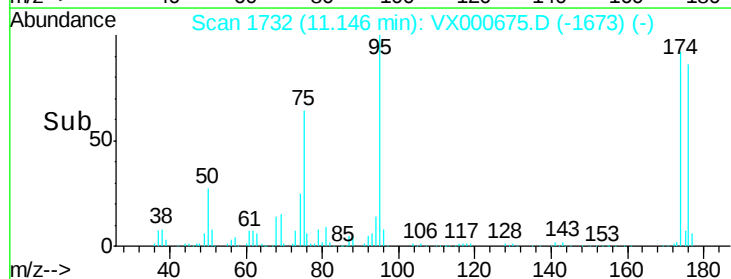
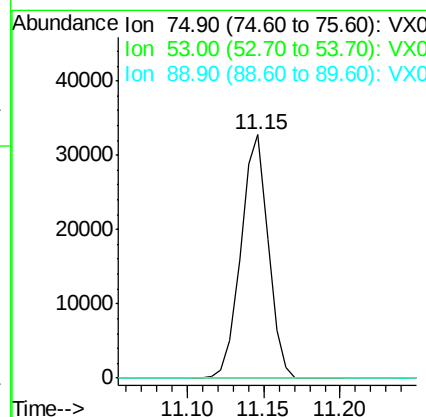
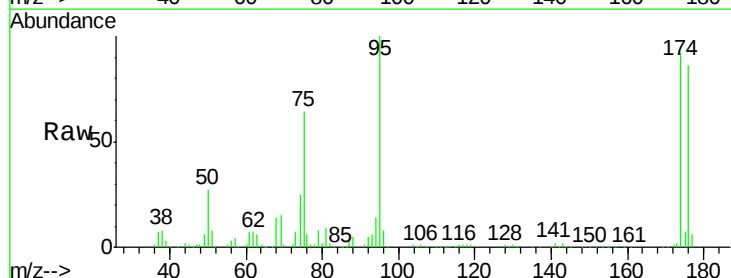
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-06-040318-A

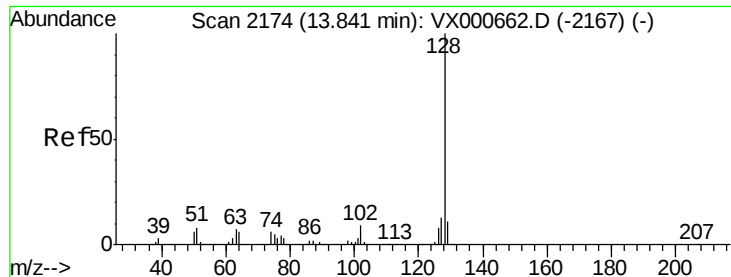
Tgt Ion: 75 Resp: 40559
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.07 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000675.D
 Acq: 04 Apr 2018 23:25

Tgt Ion: 75 Resp: 40559
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.2 36.3 54.5#

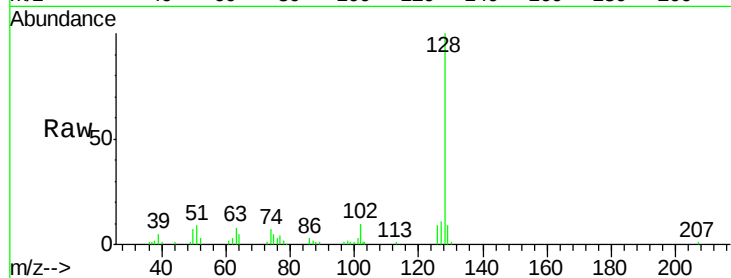




#95
Naphthalene
Concen: 3.43 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000675.D
Acq: 04 Apr 2018 23:25

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.9	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

