

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000677.D
 Acq On : 05 Apr 2018 00:15
 Operator : JC/MD
 Sample : J2151-06 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Apr 05 05:24:53 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	83599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	143113	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	73889	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	62265	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
35) Dibromofluoromethane	5.51	113	46455	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	8.73	98	181379	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
62) 4-Bromofluorobenzene	11.15	95	64414	39.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.36%	

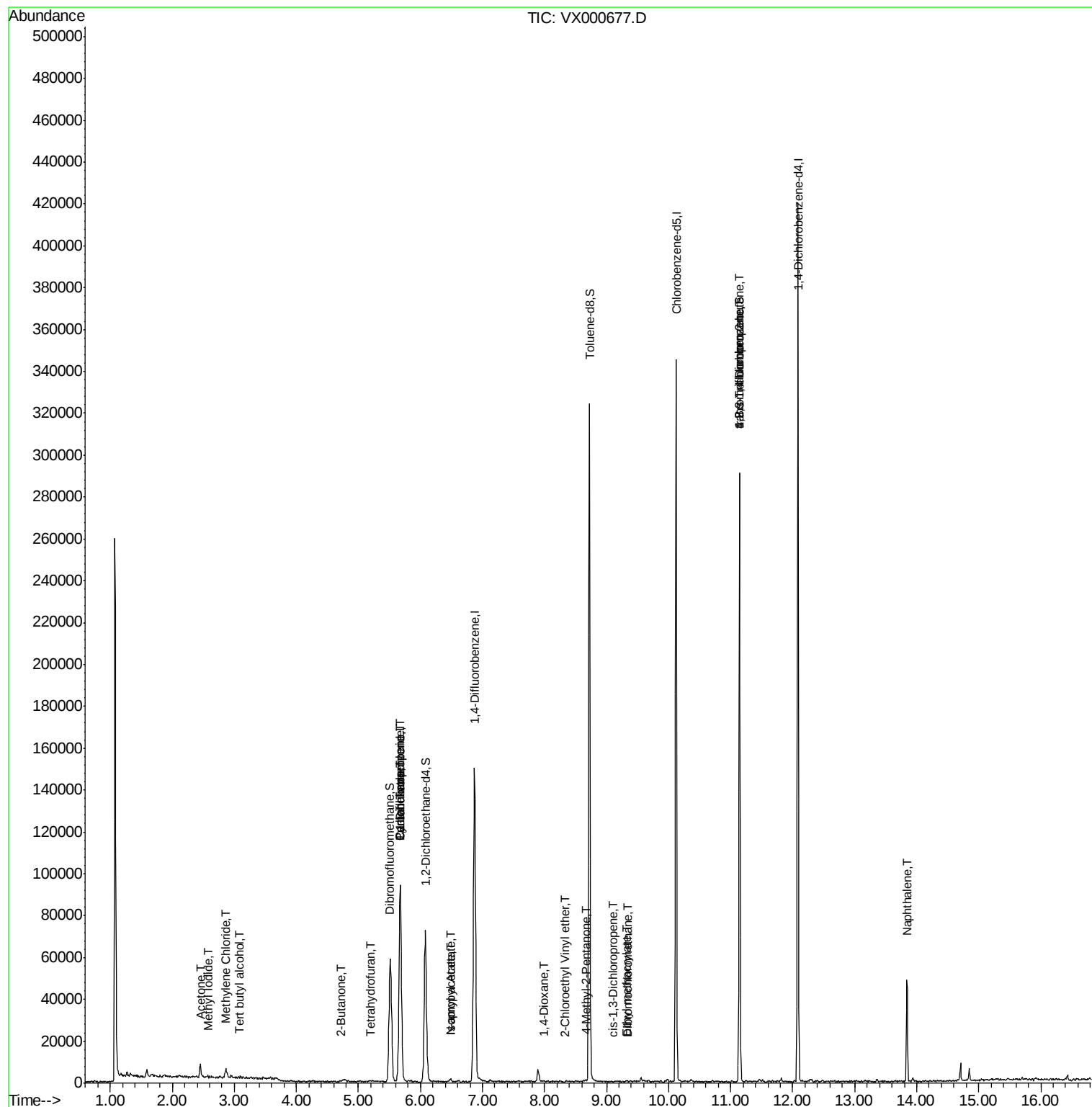
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.58	142	22	9.36	ug/l #	35
11) Tert butyl alcohol	3.08	59	240	0.44	ug/l #	1
16) Acetone	2.45	43	7256	6.21	ug/l #	84
20) Methylene Chloride	2.86	84	1816	1.36	ug/l #	91
25) 2-Butanone	4.72	43	793	0.67	ug/l #	88
29) Tetrahydrofuran	5.19	42	277	0.36	ug/l #	34
31) Cyclohexane	5.67	56	2781	1.98	ug/l #	27
36) 1,1-Dichloropropene	5.67	75	7751	5.84	ug/l #	54
38) Carbon Tetrachloride	5.68	117	8981	7.03	ug/l #	19
43) Isopropyl Acetate	6.48	43	1259	0.43	ug/l #	74
49) 1,4-Dioxane	7.99	88	45	1.41	ug/l #	24
51) 4-Methyl-2-Pentanone	8.67	43	737	0.31	ug/l #	76
54) cis-1,3-Dichloropropene	9.11	75	21	4.18	ug/l #	33
56) Ethyl methacrylate	9.34	69	21	4.33	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.33	63	84	15.64	ug/l #	49
60) Dibromochloromethane	9.34	129	33	4.53	ug/l #	11
74) N-amyl acetate	6.48	43	1259	0.53	ug/l #	77
76) 1,2,3-Trichloropropane	11.15	75	37942	23.54	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	37942	84.42	ug/l #	7
95) Naphthalene	13.84	128	27037	4.86	ug/l	98

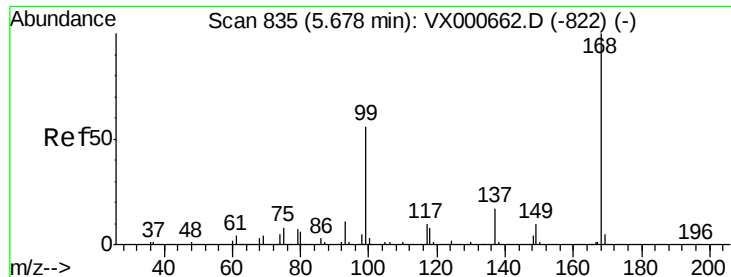
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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AU-06-040318-C

Quant Time: Apr 05 05:24:53 2018
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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: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

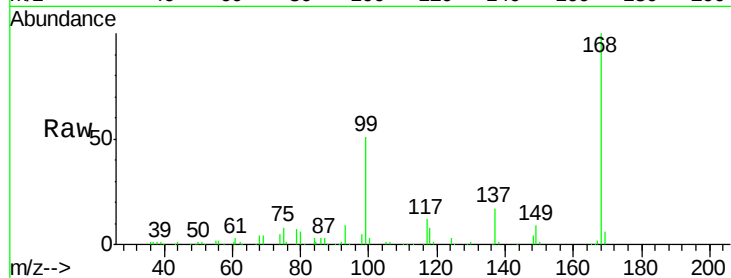
AU-06-040318-C

Tgt Ion:168 Resp: 83599

Ion Ratio Lower Upper

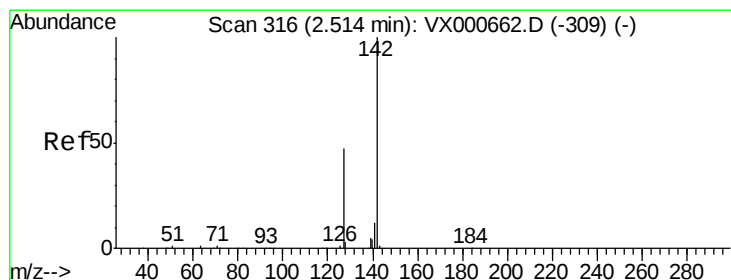
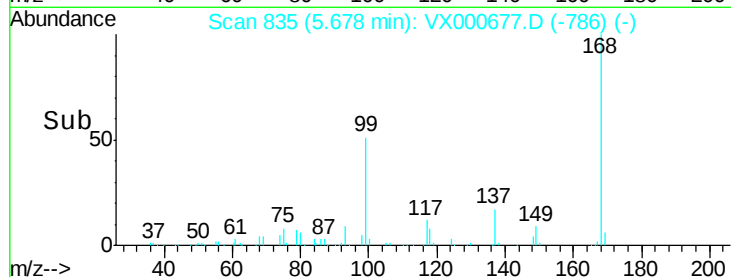
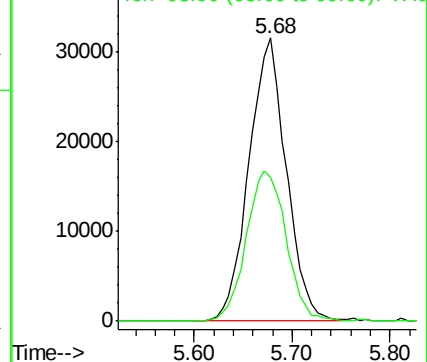
168 100

99 51.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 9.36 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.07 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

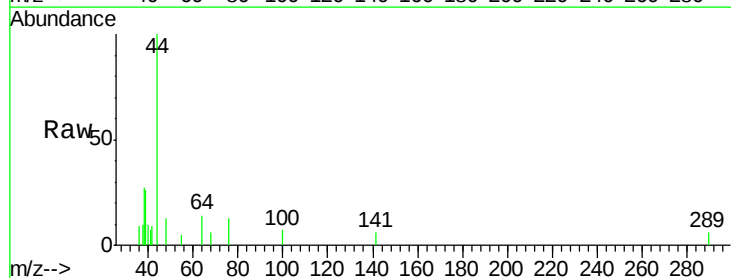
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 40.7 61.1#

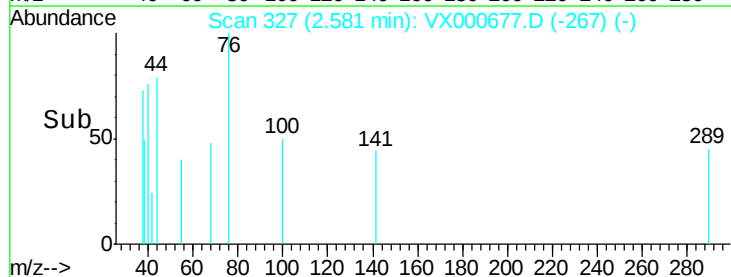
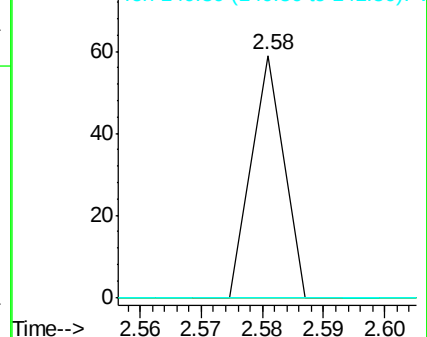
141 0.0 11.1 16.7#

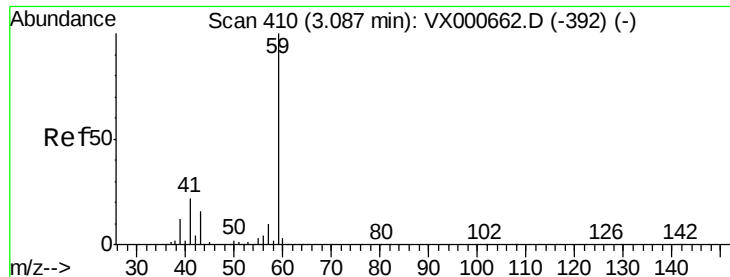


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

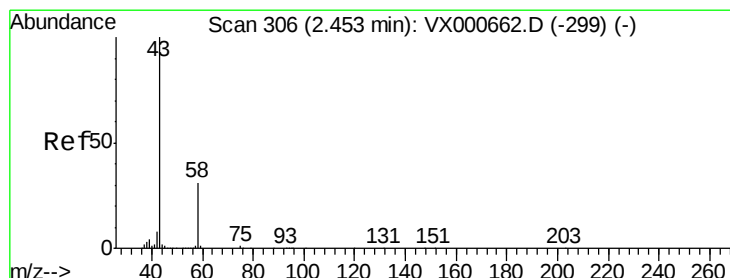
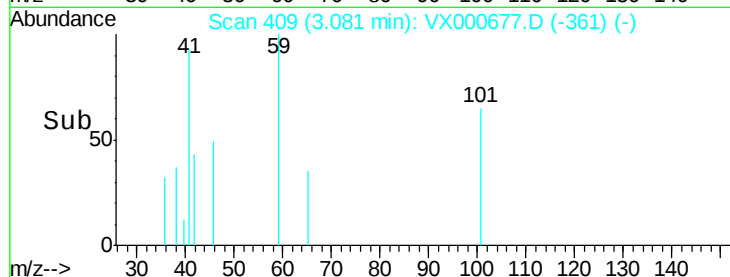
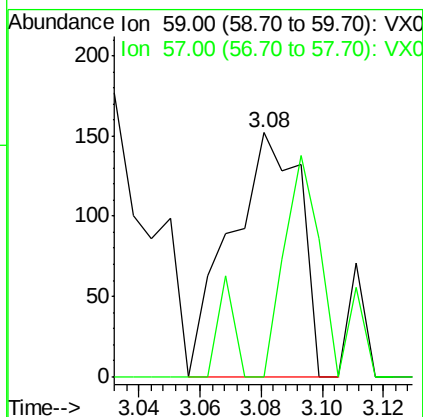
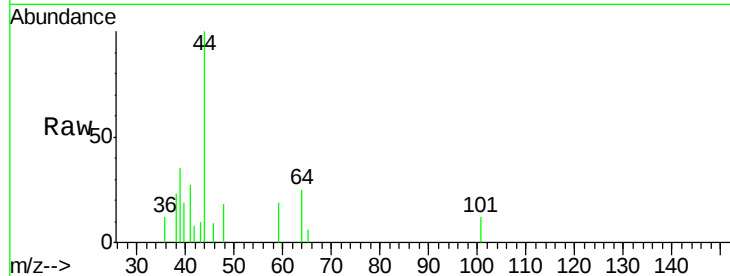




#11
Tert butyl alcohol
Concen: 0.44 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

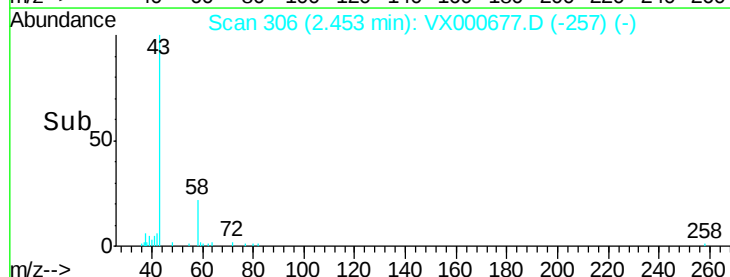
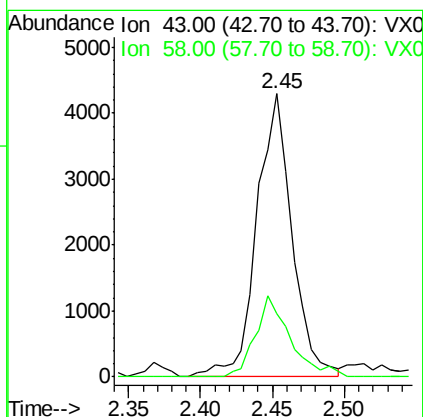
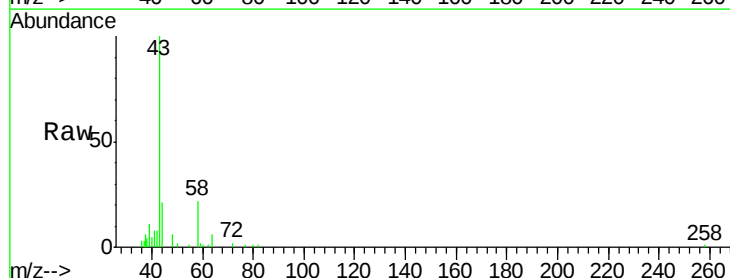
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-C

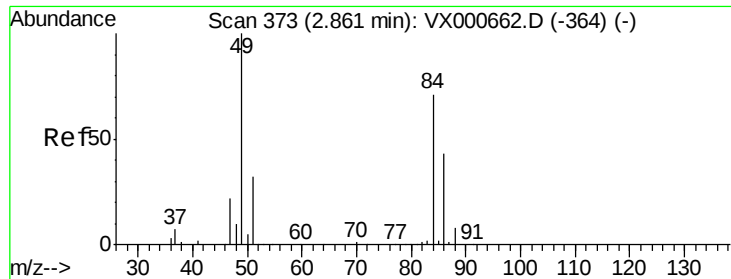
Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 53.8 8.5 12.7#



#16
Acetone
Concen: 6.21 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

Tgt Ion: 43 Resp: 7256
Ion Ratio Lower Upper
43 100
58 22.2 24.7 37.1#

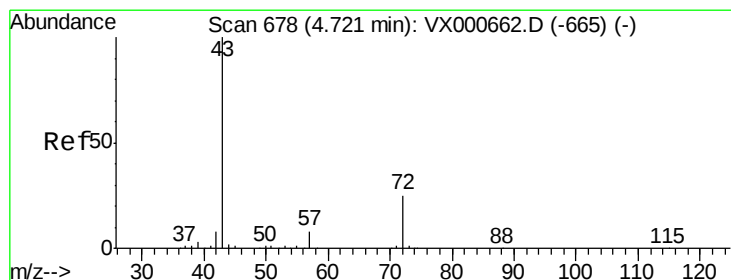
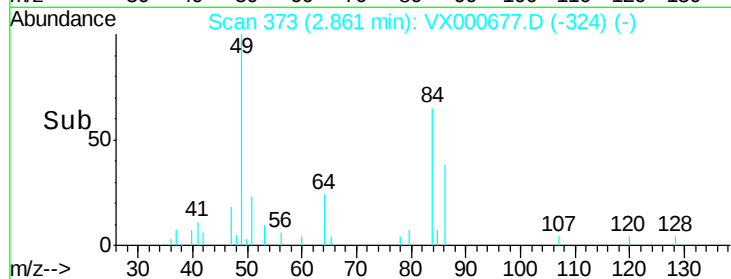
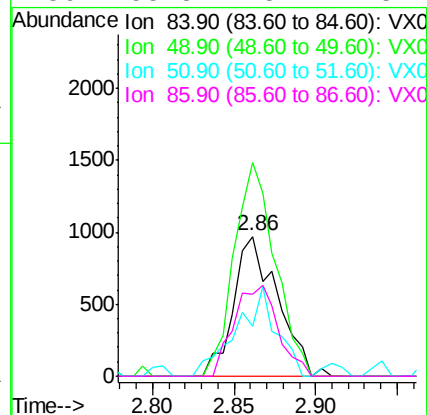
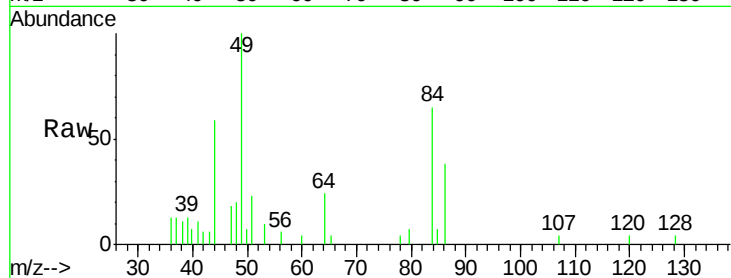




#20
Methylene Chloride
Concen: 1.36 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

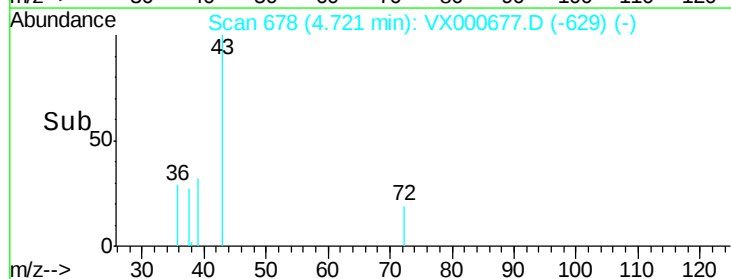
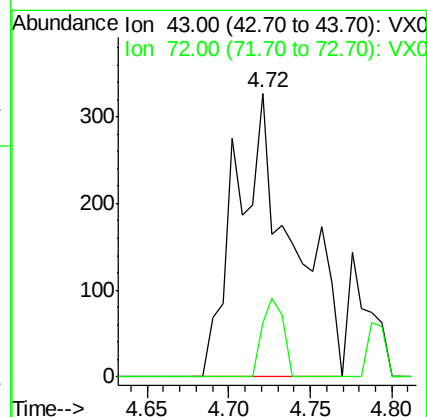
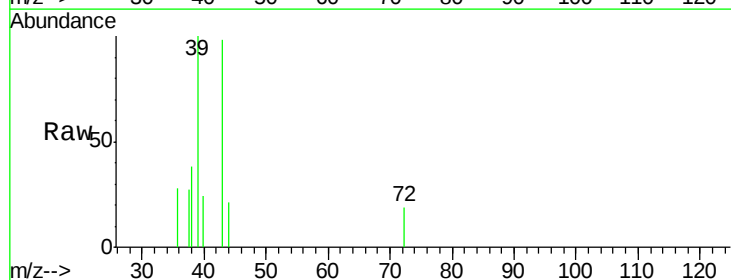
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-C

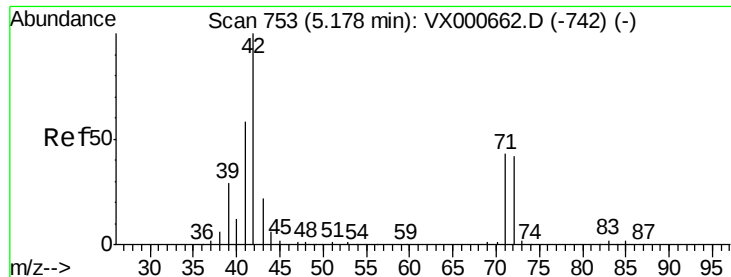
Tgt Ion: 84 Resp: 1816
Ion Ratio Lower Upper
84 100
49 153.0 112.1 168.1
51 35.6 35.4 53.0
86 58.8 48.7 73.1



#25
2-Butanone
Concen: 0.67 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
72 19.0 20.0 30.0#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-C

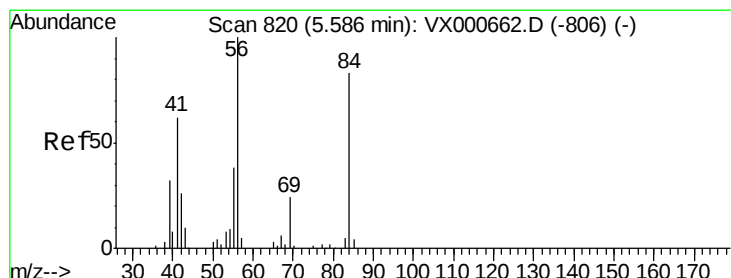
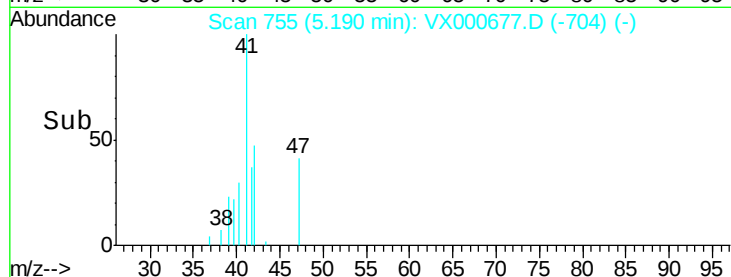
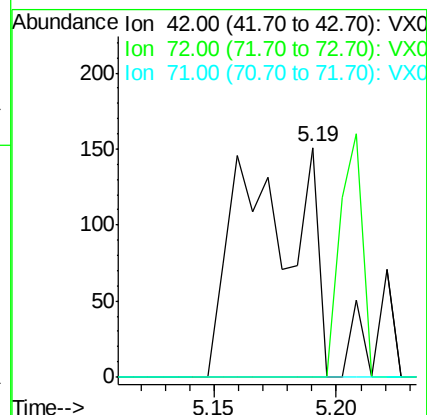
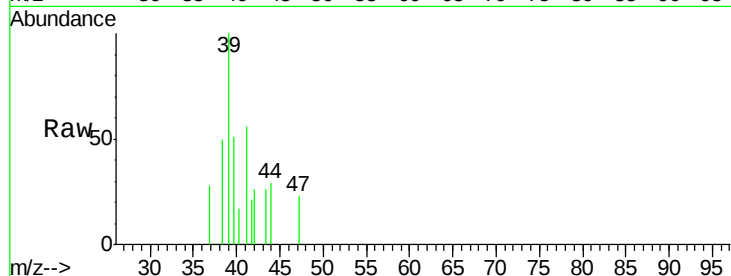
Tgt Ion: 42 Resp: 277

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

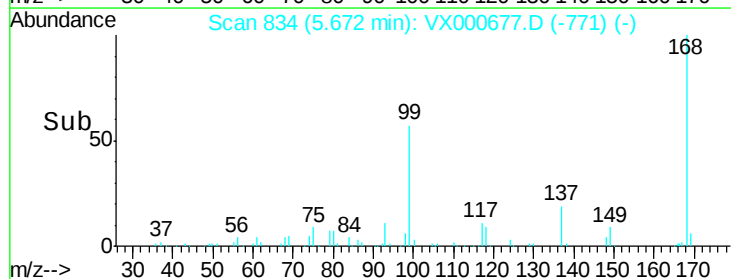
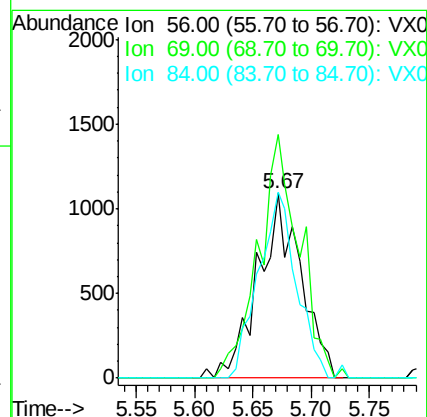
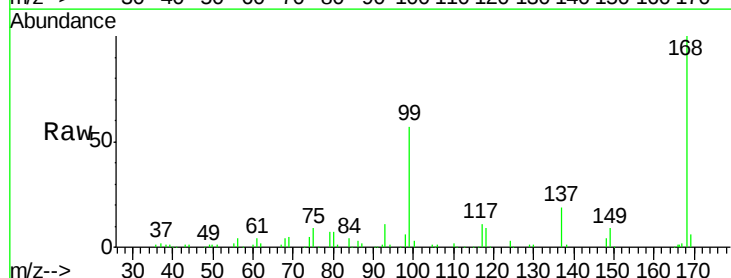
Tgt Ion: 56 Resp: 2781

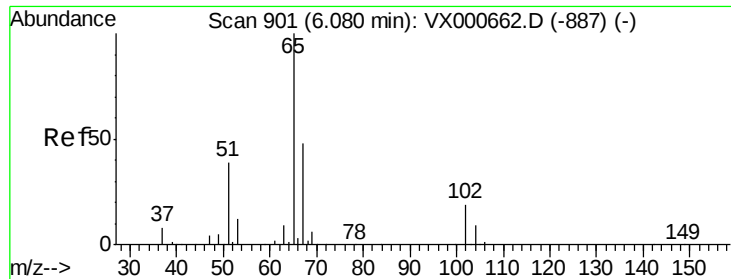
Ion Ratio Lower Upper

56 100

69 131.9 19.4 29.0#

84 111.2 66.8 100.2#





#33

1,2-Dichloroethane-d4

Concen: 43.84 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

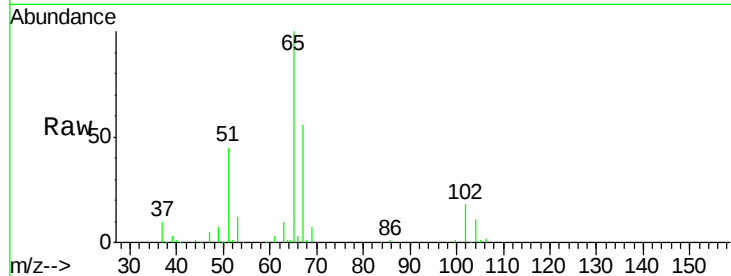
AU-06-040318-C

Tgt Ion: 65 Resp: 62265

Ion Ratio Lower Upper

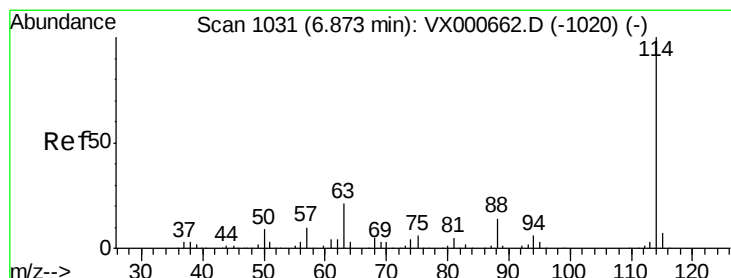
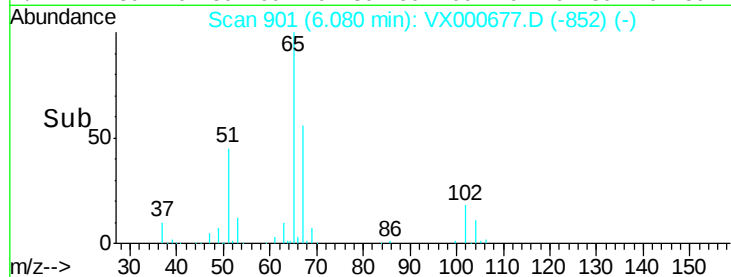
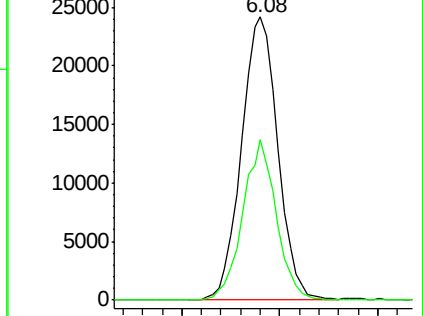
65 100

67 52.1 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: VX000677.D

Acq: 05 Apr 2018 00:15

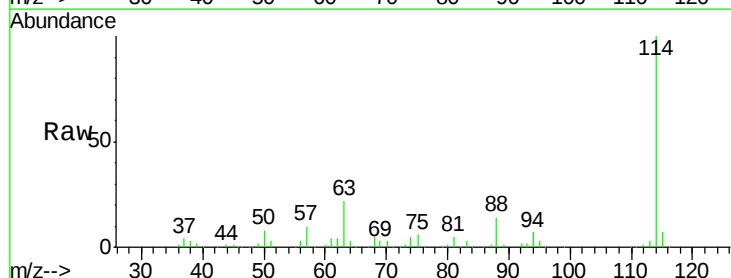
Tgt Ion: 114 Resp: 143113

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

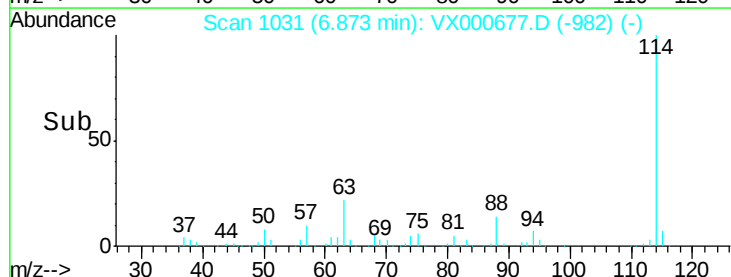
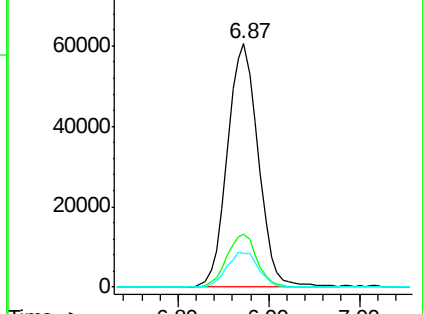
88 14.1 0.0 28.6

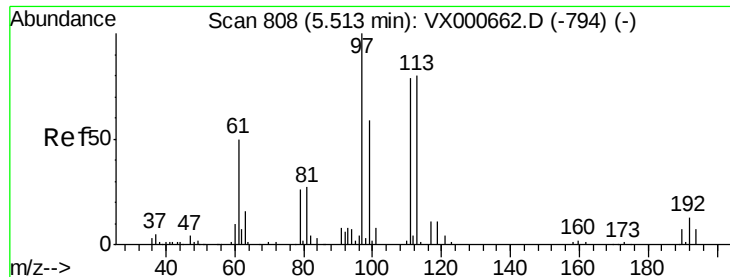


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.55 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000677.D

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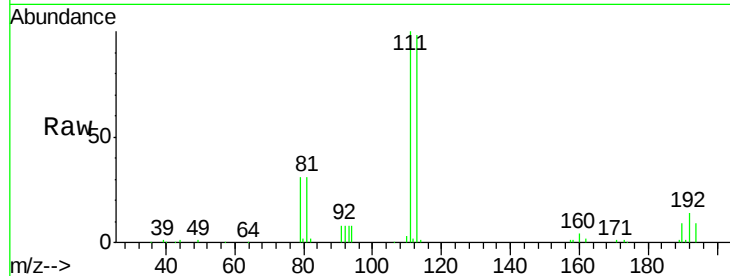
Tgt Ion:113 Resp: 46455

Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

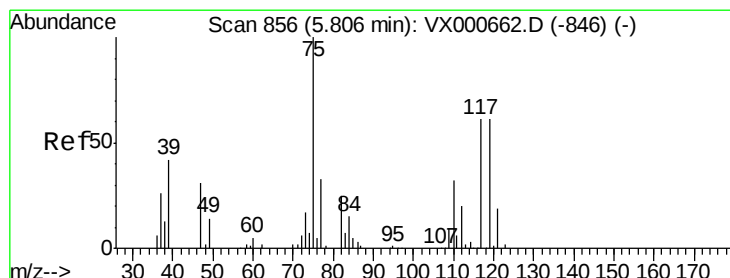
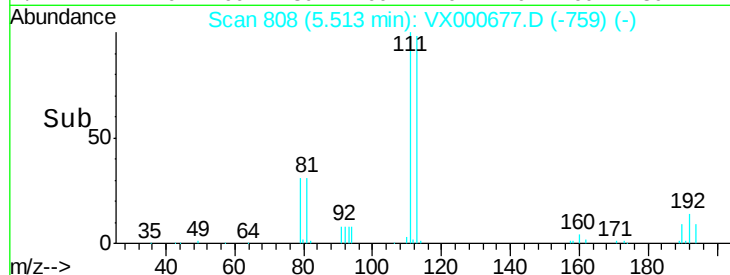
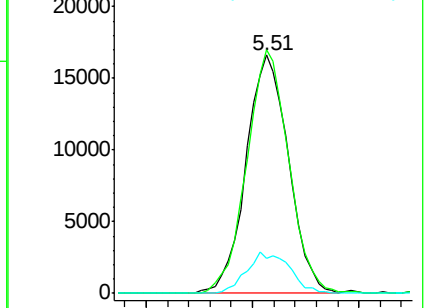
192 17.5 14.3 21.5



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: 5.84 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

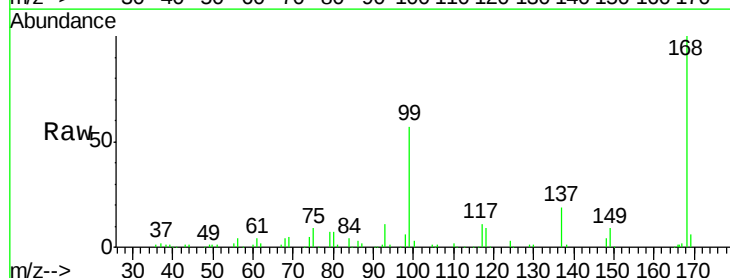
Tgt Ion: 75 Resp: 7751

Ion Ratio Lower Upper

75 100

110 11.4 16.3 48.9#

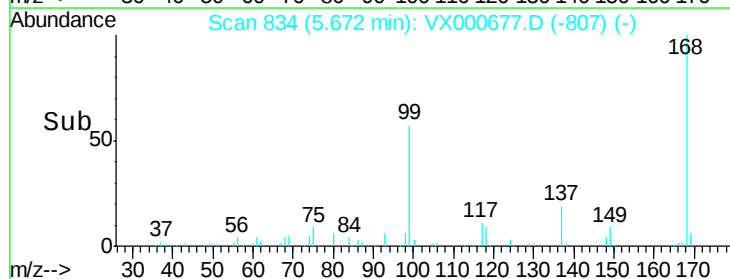
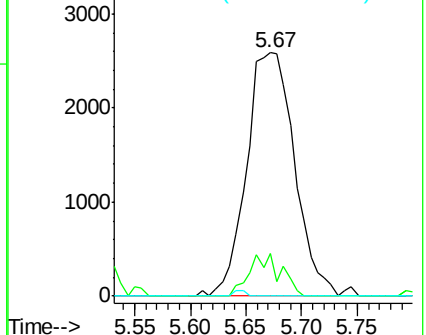
77 0.0 24.3 36.5#

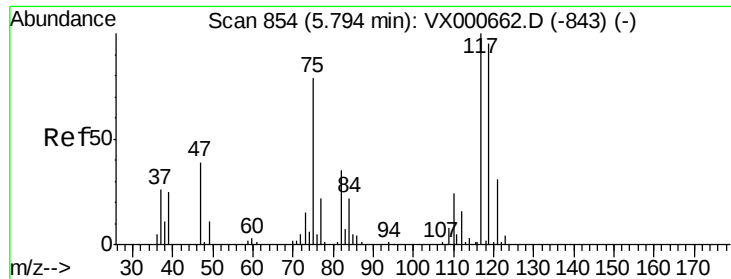


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.03 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

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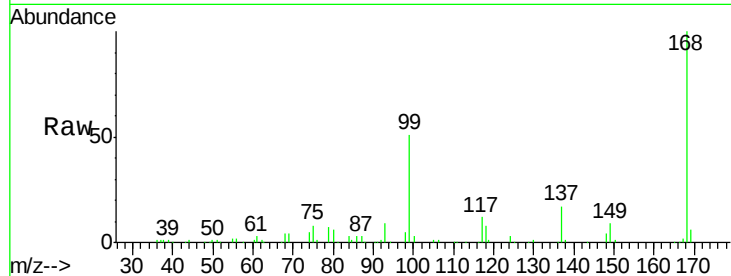
Tgt Ion: 117 Resp: 8981

Ion Ratio Lower Upper

117 100

119 8.1 76.1 114.1#

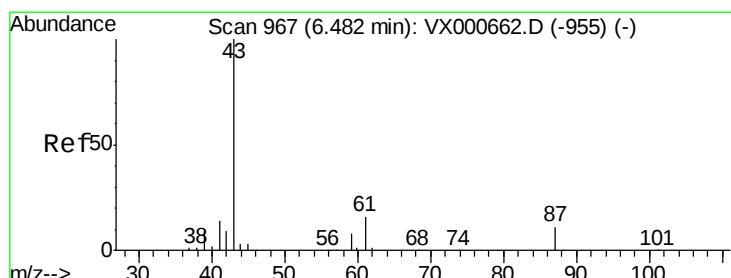
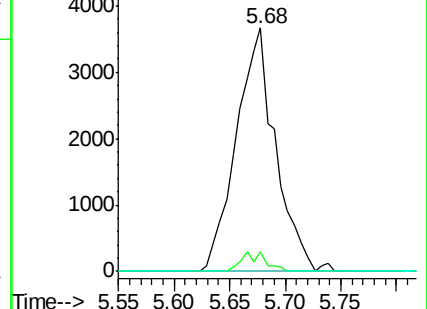
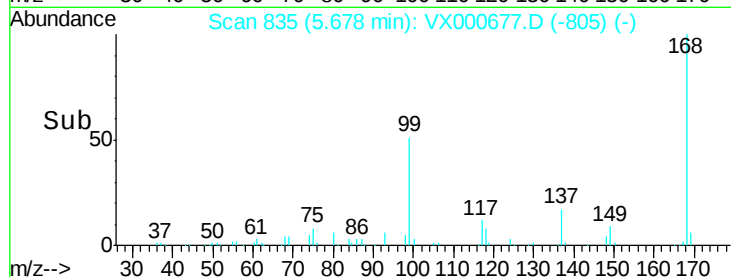
121 0.0 24.8 37.2#



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: 0.43 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

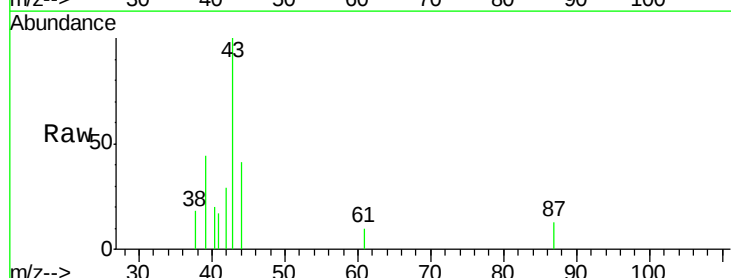
Tgt Ion: 43 Resp: 1259

Ion Ratio Lower Upper

43 100

61 6.8 13.4 20.2#

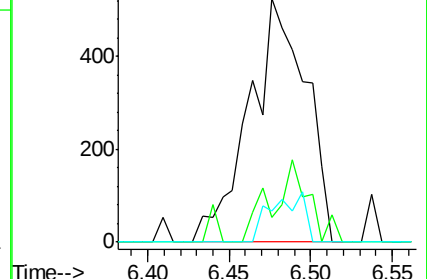
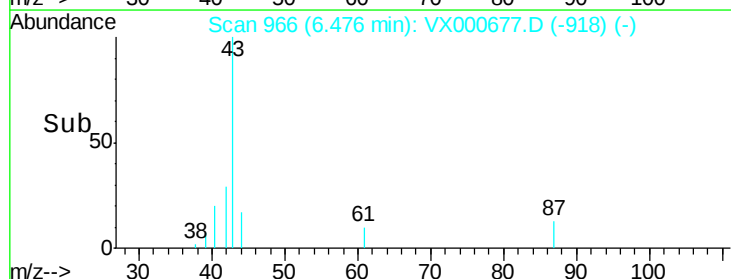
87 0.0 9.4 14.0#

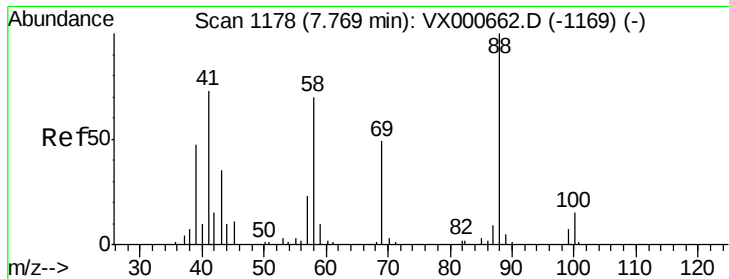


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#49

1,4-Dioxane

Concen: 1.41 ug/l

RT: 7.99 min Scan# 1214

Delta R.T. 0.22 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-C

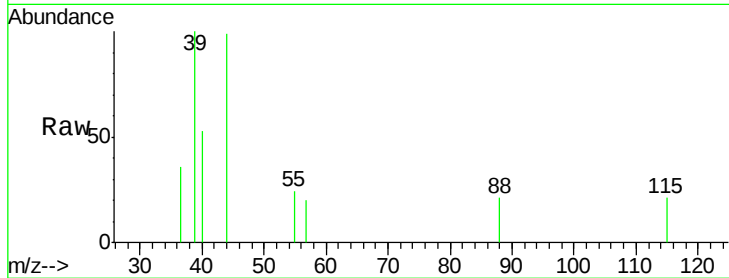
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 29.4 44.0#

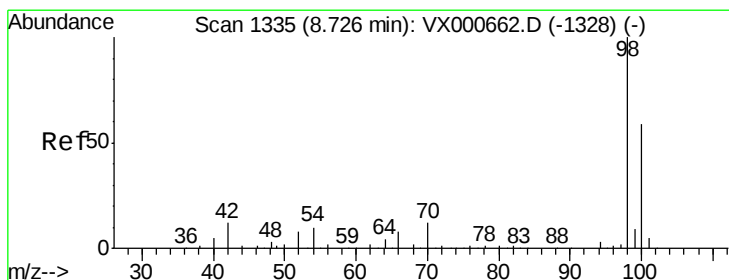
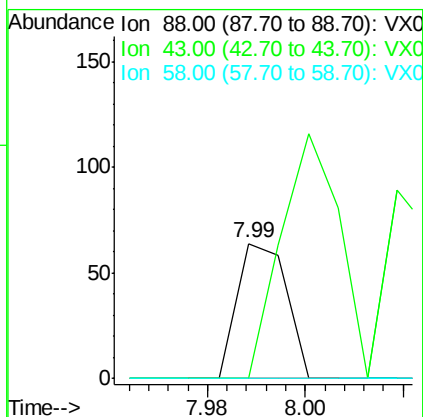
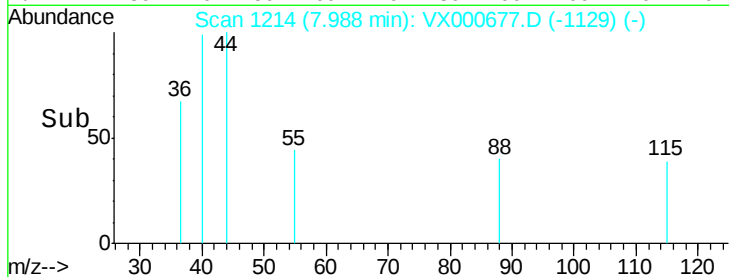
58 0.0 53.4 80.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 43.66 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000677.D

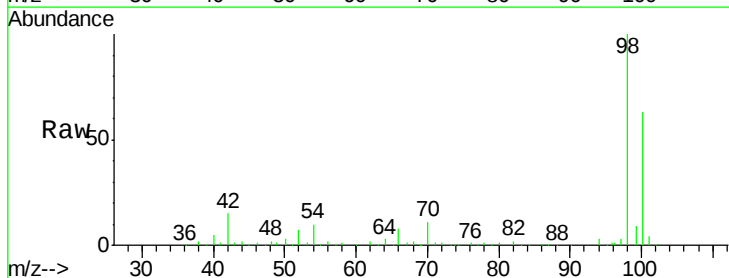
Acq: 05 Apr 2018 00:15

Tgt Ion: 98 Resp: 181379

Ion Ratio Lower Upper

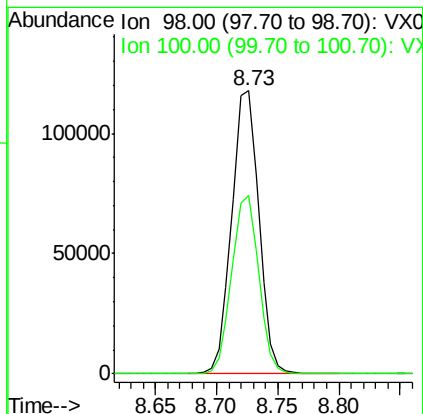
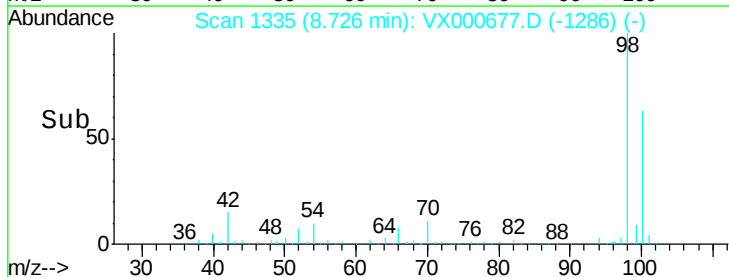
98 100

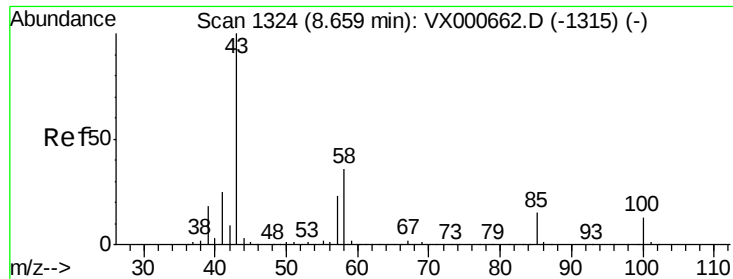
100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

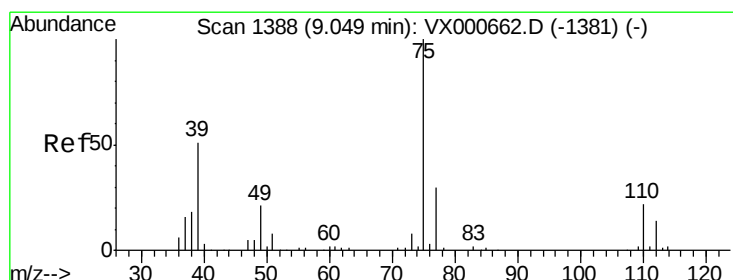
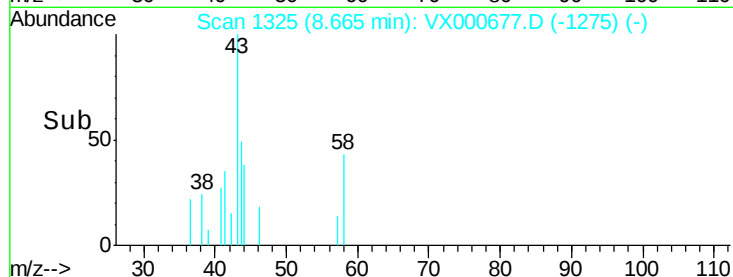
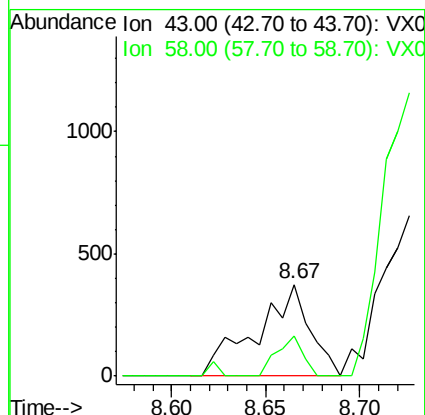
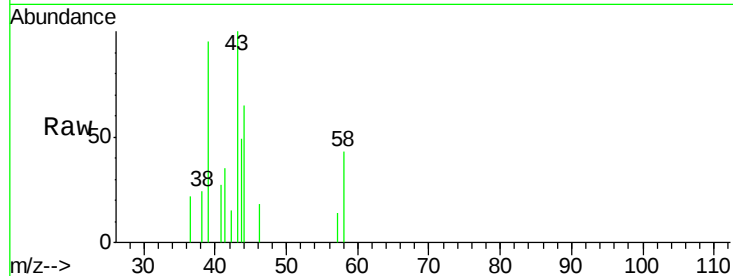




#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 8.67 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

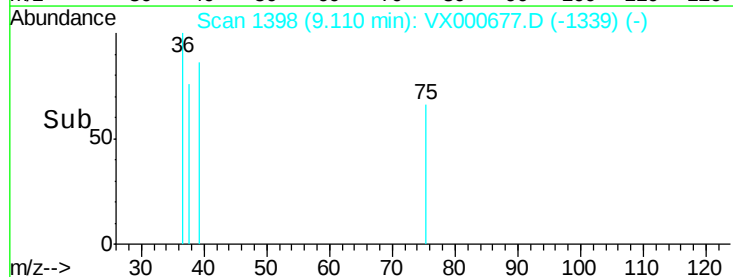
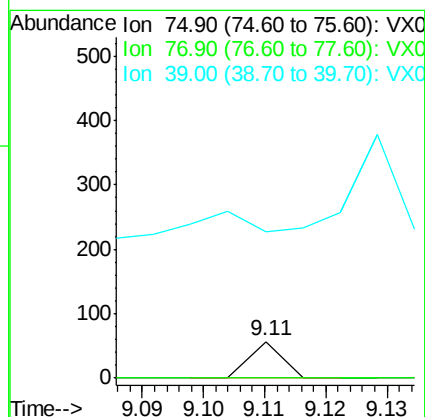
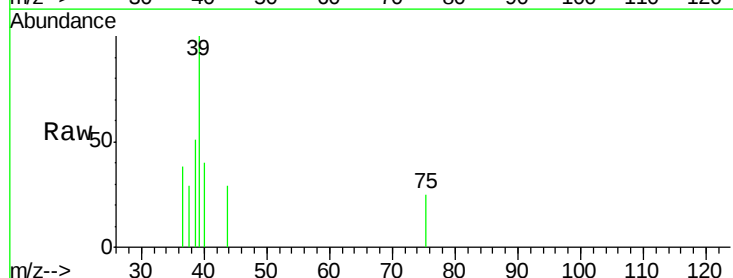
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-C

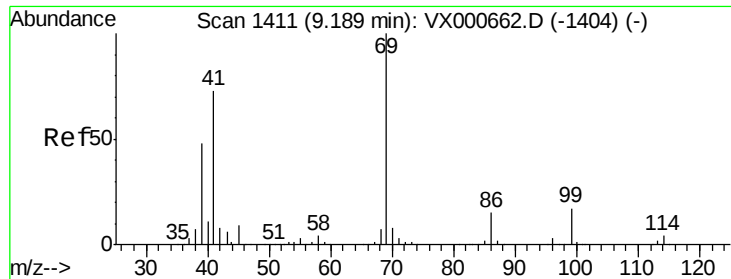
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
58 21.4 28.2 42.2#



#54
cis-1,3-Dichloropropene
Concen: 4.18 ug/l
RT: 9.11 min Scan# 1398
Delta R.T. 0.06 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#
39 0.0 40.7 61.1#

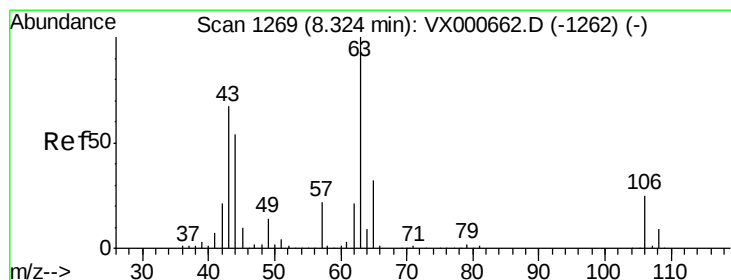
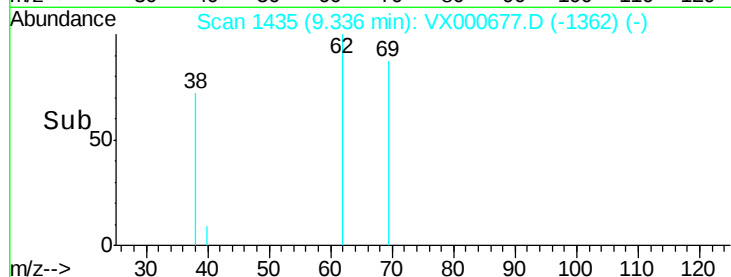
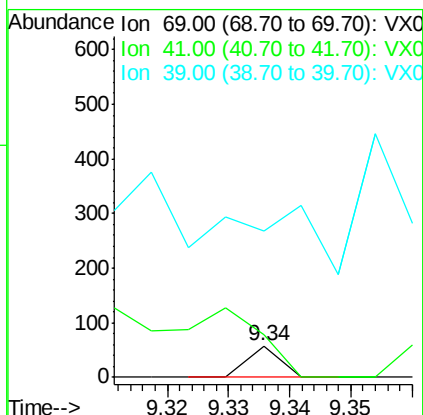
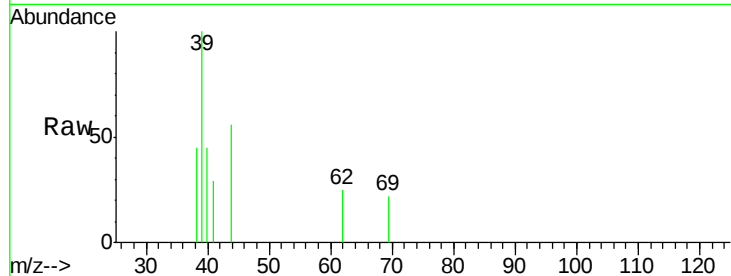




#56
Ethyl methacrylate
Concen: 4.33 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.15 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

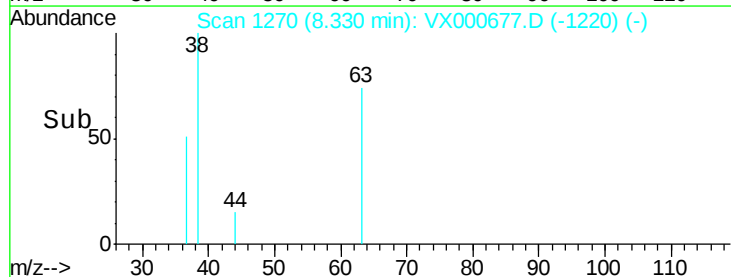
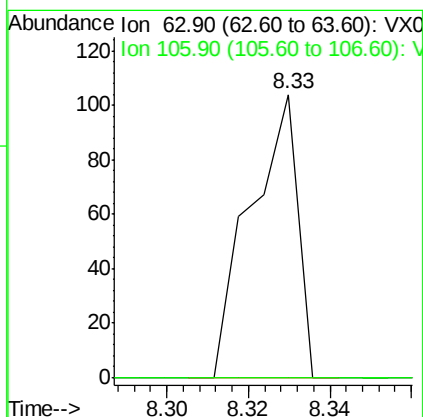
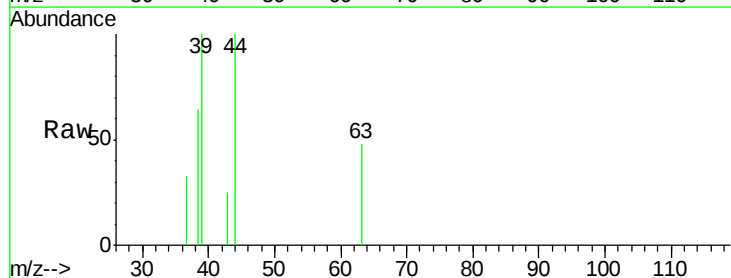
Instrument :
MSVOA_X
ClientSampleId :
AU-06-040318-C

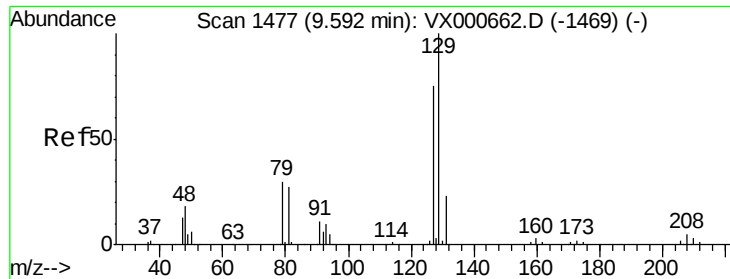
Tgt Ion: 69 Resp: 21
Ion Ratio Lower Upper
69 100
41 0.0 56.5 84.7#
39 857.1 39.8 59.8#



#58
2-Chloroethyl Vinyl ether
Concen: 15.64 ug/l
RT: 8.33 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

Tgt Ion: 63 Resp: 84
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#





#60

Dibromochloromethane

Concen: 4.53 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

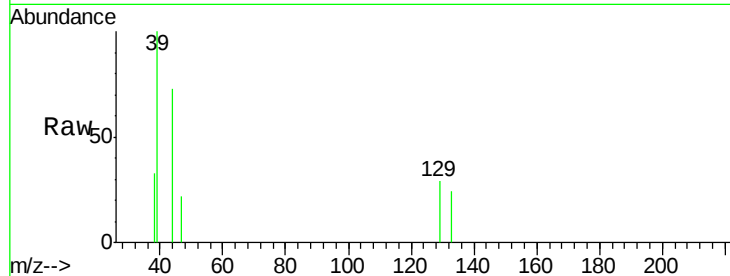
AU-06-040318-C

Tgt Ion: 129 Resp: 33

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#

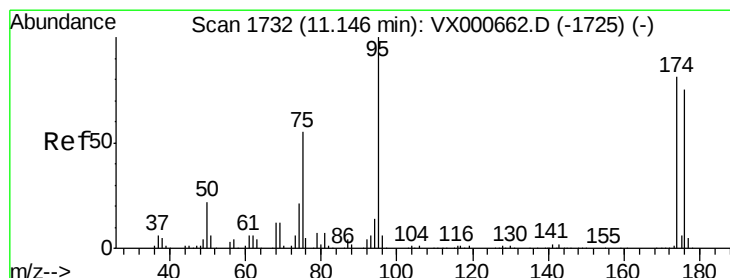
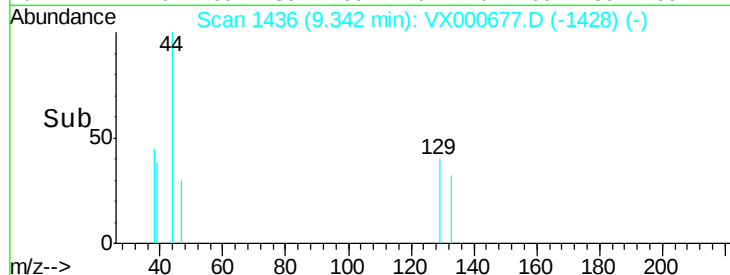


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

Time-->



#62

4-Bromofluorobenzene

Concen: 39.18 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

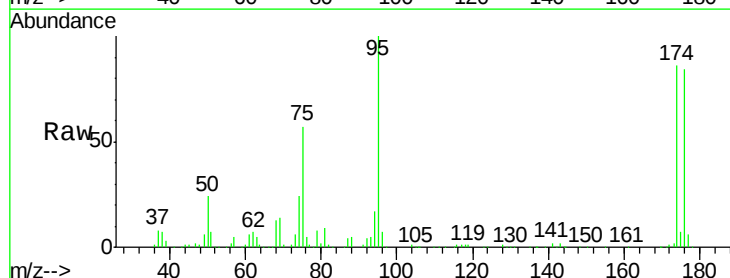
Tgt Ion: 95 Resp: 64414

Ion Ratio Lower Upper

95 100

174 82.6 0.0 156.8

176 79.9 0.0 150.6



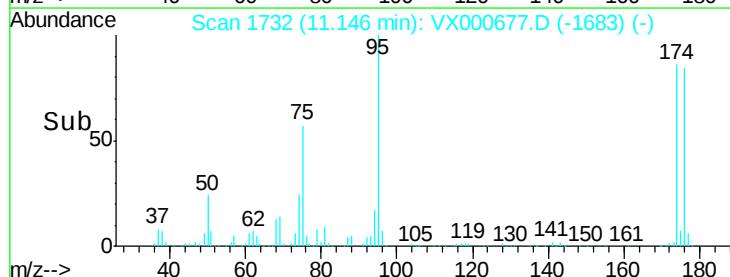
Abundance Ion 94.90 (94.60 to 95.60): VX0

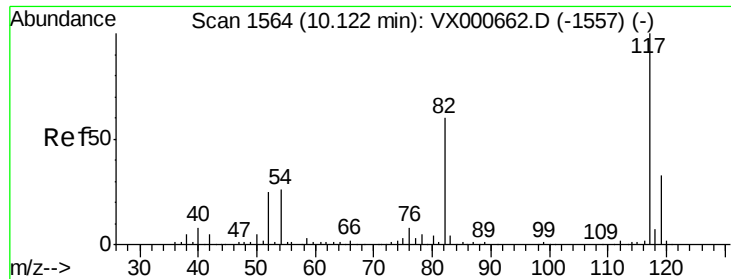
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

Time-->

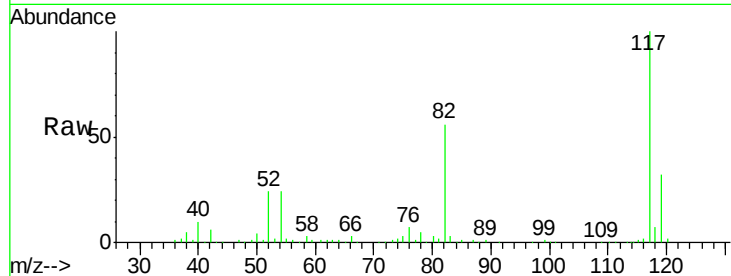




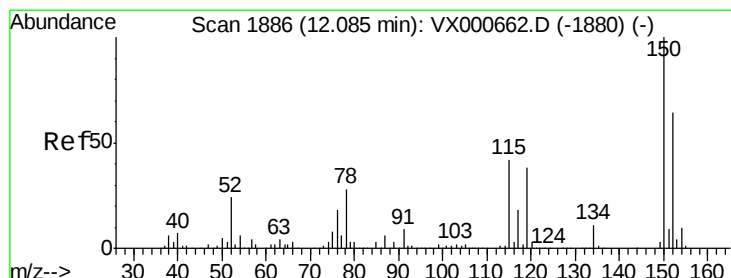
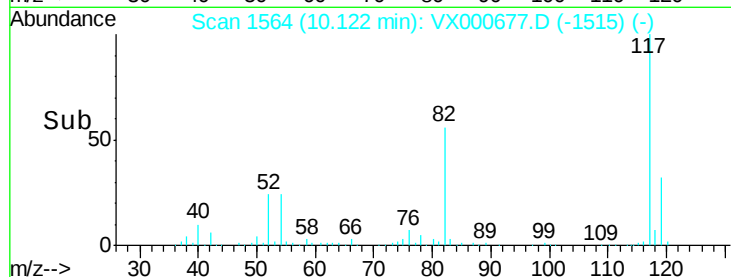
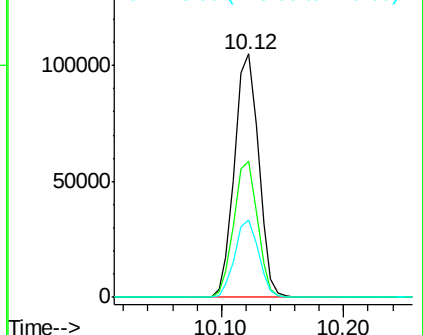
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

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

Tgt Ion:117 Resp: 142553
Ion Ratio Lower Upper
117 100
82 55.9 48.3 72.5
119 31.9 26.0 39.0

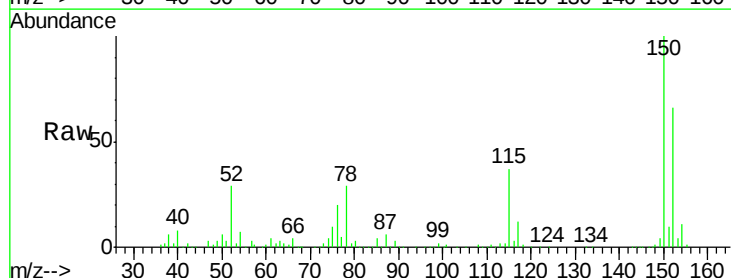


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

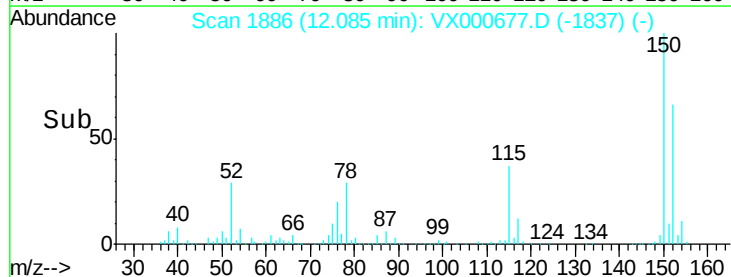
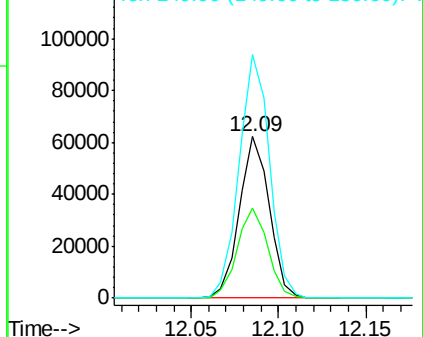


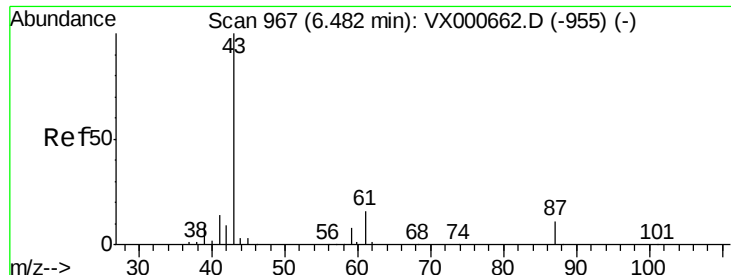
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000677.D
Acq: 05 Apr 2018 00:15

Tgt Ion:152 Resp: 73889
Ion Ratio Lower Upper
152 100
115 56.6 41.9 125.8
150 153.6 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: 0.53 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleID :

AU-06-040318-C

Tgt Ion: 43 Resp: 1259

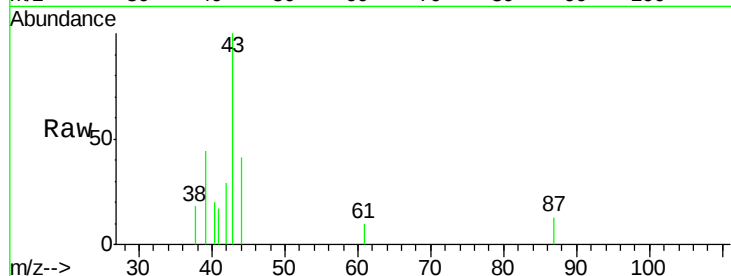
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.8 13.4 20.2#

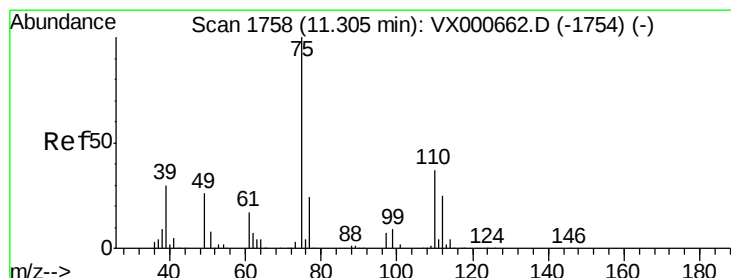
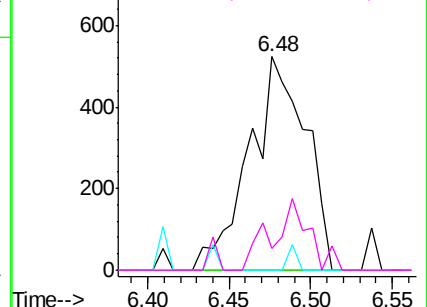
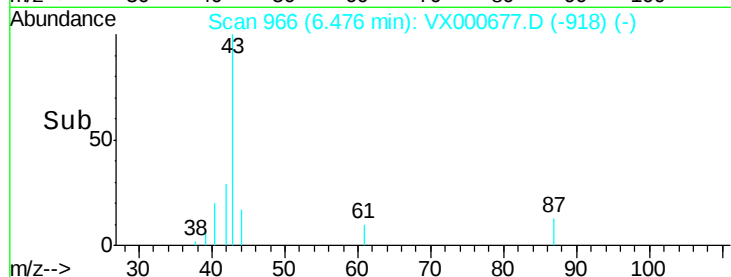


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.54 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000677.D

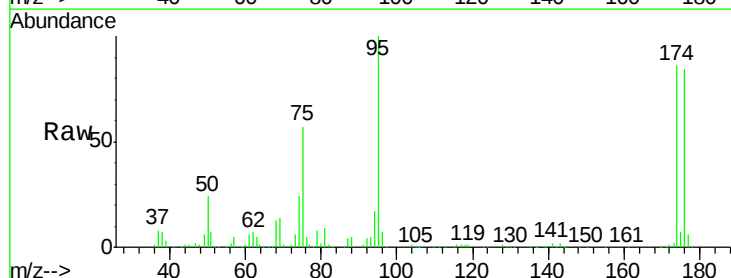
Acq: 05 Apr 2018 00:15

Tgt Ion: 75 Resp: 37942

Ion Ratio Lower Upper

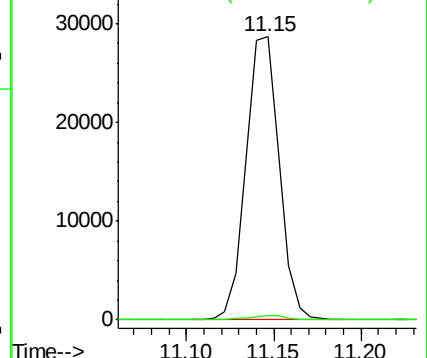
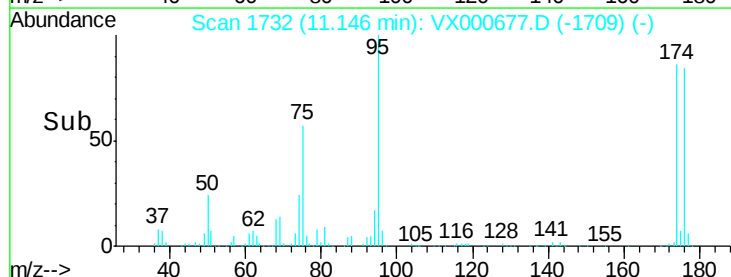
75 100

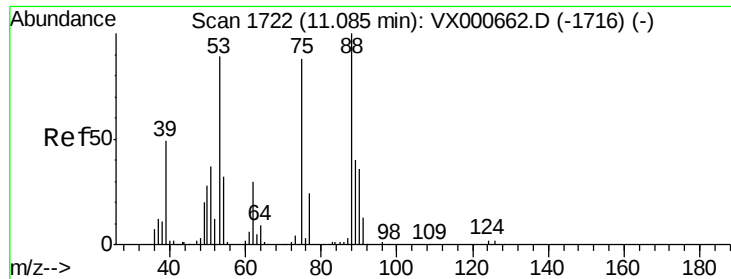
77 1.6 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.42 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

AU-06-040318-C

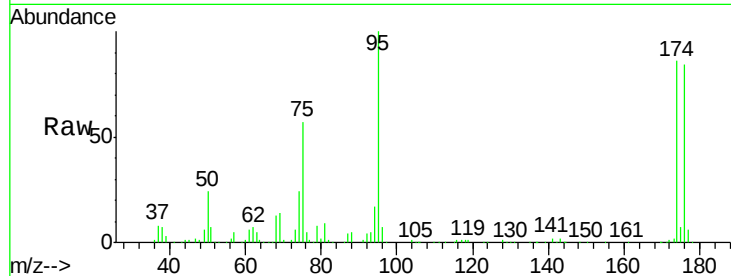
Tgt Ion: 75 Resp: 37942

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

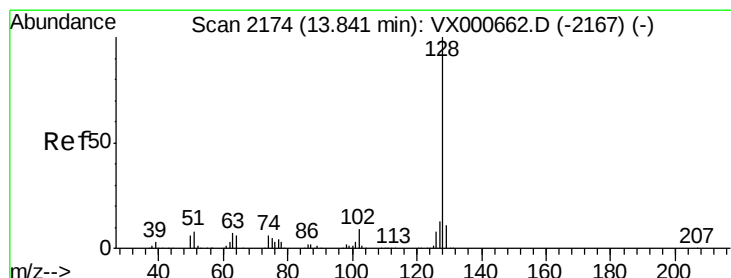
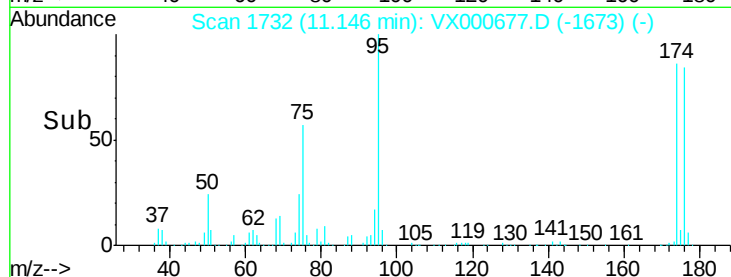
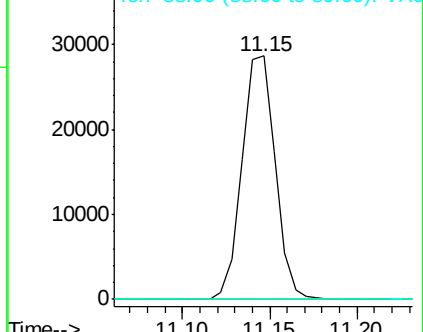
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX000662.D (-1716) (-)

Ion 53.00 (52.70 to 53.70): VX000662.D (-1716) (-)

Ion 88.90 (88.60 to 89.60): VX000662.D (-1716) (-)



#95

Naphthalene

Concen: 4.86 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000677.D

Acq: 05 Apr 2018 00:15

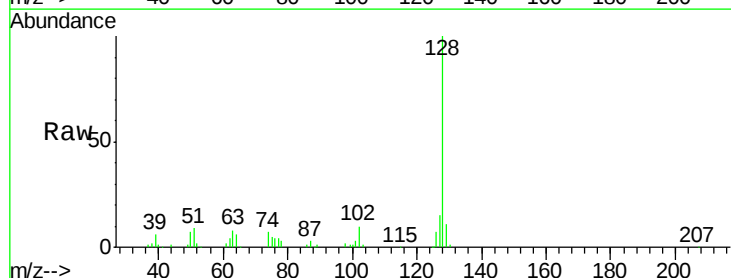
Tgt Ion: 128 Resp: 27037

Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): VX000662.D (-2167) (-)

Ion 127.00 (126.70 to 127.70): VX000662.D (-2167) (-)

Ion 129.00 (128.70 to 129.70): VX000662.D (-2167) (-)

