

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000673.D
 Acq On : 04 Apr 2018 22:34
 Operator : JC/MD
 Sample : J2213-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-1

Quant Time: Apr 05 05:23:57 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	84858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	147430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	146085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	65319	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	5.52	113	47837	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
50) Toluene-d8	8.73	98	187217	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
62) 4-Bromofluorobenzene	11.15	95	66063	39.00	ug/l	0.00
Spiked Amount			Recovery	=	78.00%	

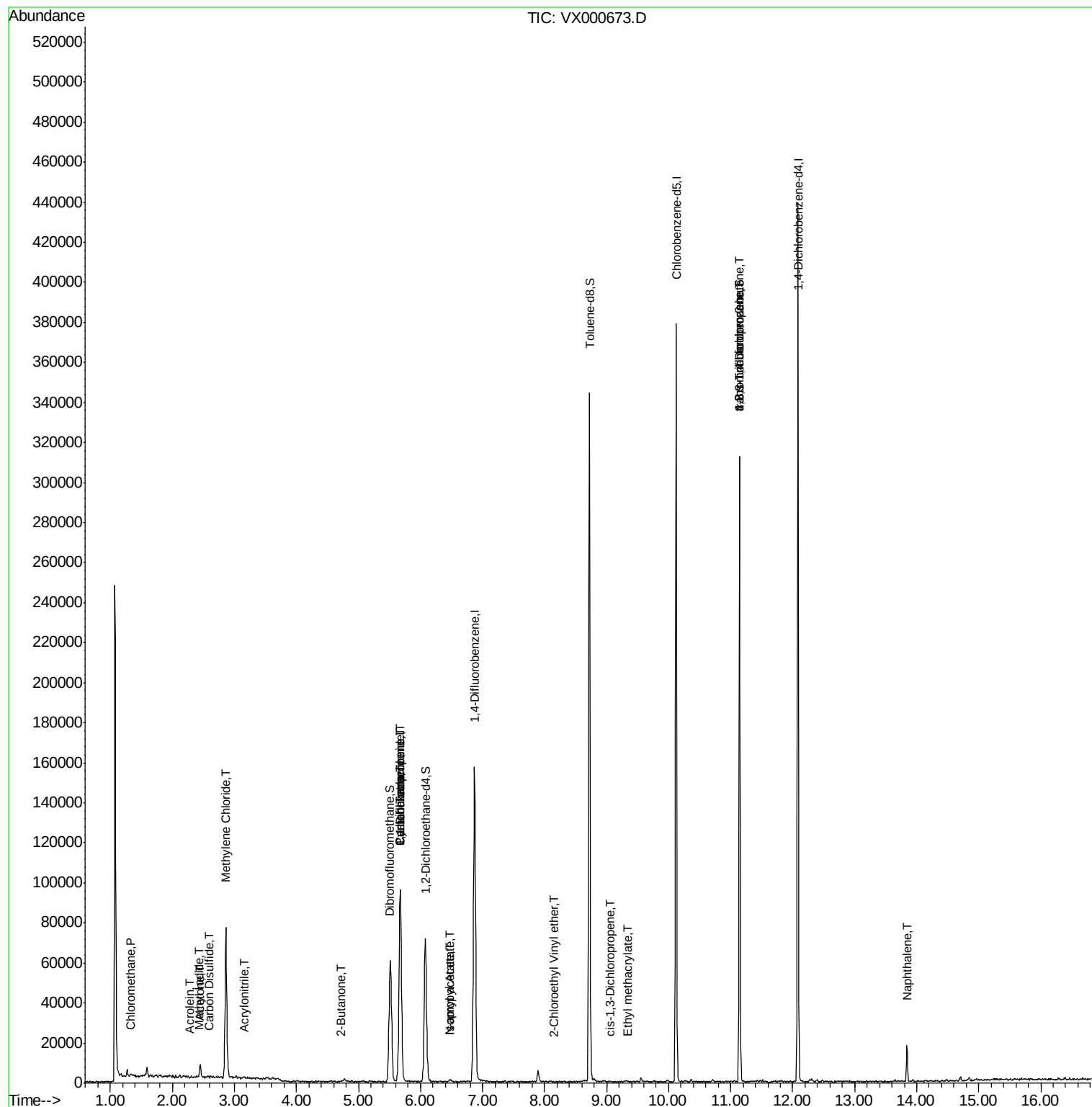
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	203	0.21	ug/l #	56
10) Methyl Iodide	2.42	142	19	9.36	ug/l #	35
13) Acrolein	2.28	56	75	0.23	ug/l #	1
15) Acrylonitrile	3.15	53	265	0.26	ug/l #	68
16) Acetone	2.45	43	7030	5.93	ug/l #	88
17) Carbon Disulfide	2.58	76	591	0.22	ug/l #	40
20) Methylene Chloride	2.87	84	31068	22.97	ug/l	95
25) 2-Butanone	4.72	43	775	0.64	ug/l #	52
31) Cyclohexane	5.68	56	2757	1.94	ug/l #	63
36) 1,1-Dichloropropene	5.68	75	7910	5.78	ug/l #	52
38) Carbon Tetrachloride	5.67	117	8996	6.83	ug/l #	17
43) Isopropyl Acetate	6.47	43	1211	0.40	ug/l #	74
54) cis-1,3-Dichloropropene	9.05	75	142	4.24	ug/l #	40
56) Ethyl methacrylate	9.34	69	25	4.33	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.16	63	19	15.57	ug/l #	49
74) N-amyl acetate	6.47	43	1211	0.49	ug/l #	76
76) 1,2,3-Trichloropropane	11.15	75	40148	24.19	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	40148	86.74	ug/l #	7
95) Naphthalene	13.84	128	9611	1.68	ug/l	96

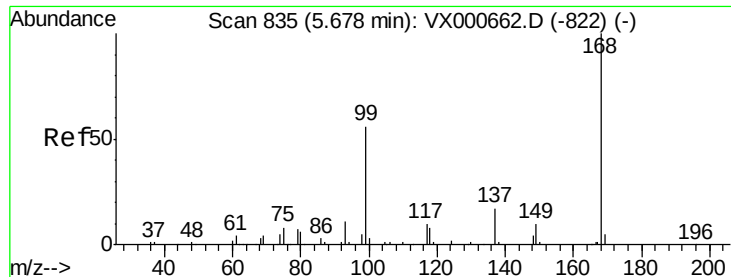
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 05 03:34:50 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

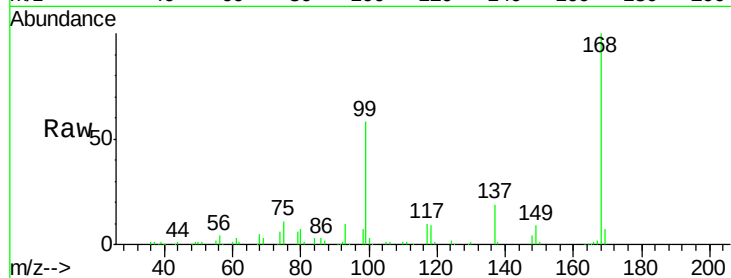
DRUM-1

Tgt Ion:168 Resp: 84858

Ion Ratio Lower Upper

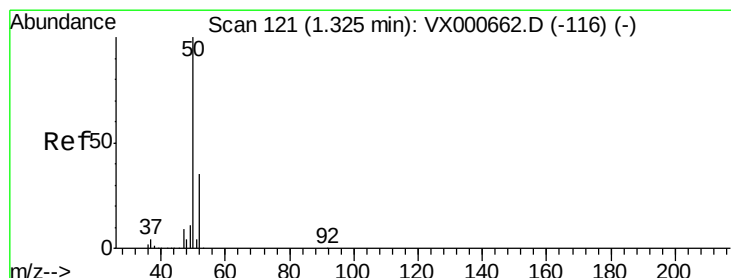
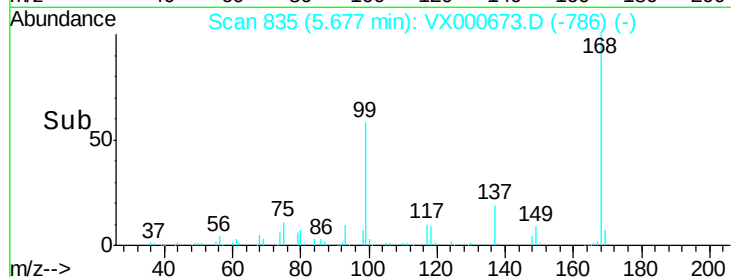
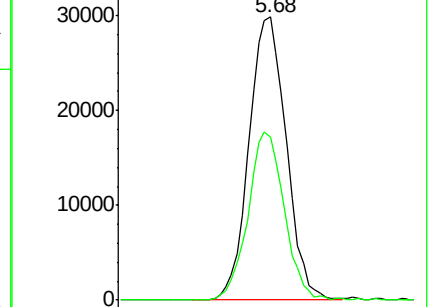
168 100

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



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX000673.D

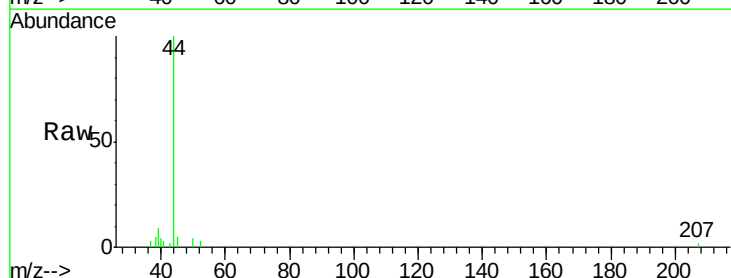
Acq: 04 Apr 2018 22:34

Tgt Ion: 50 Resp: 203

Ion Ratio Lower Upper

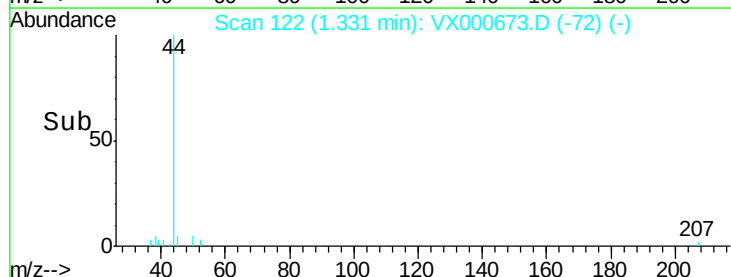
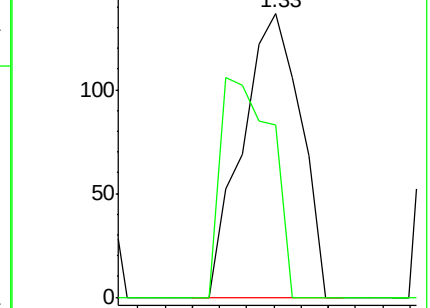
50 100

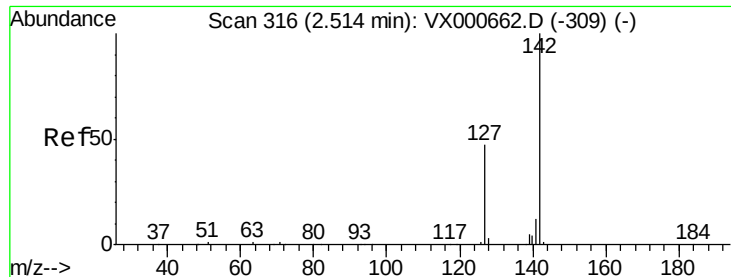
52 60.6 28.0 42.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

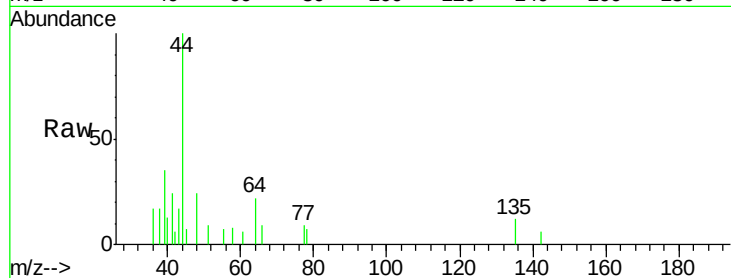




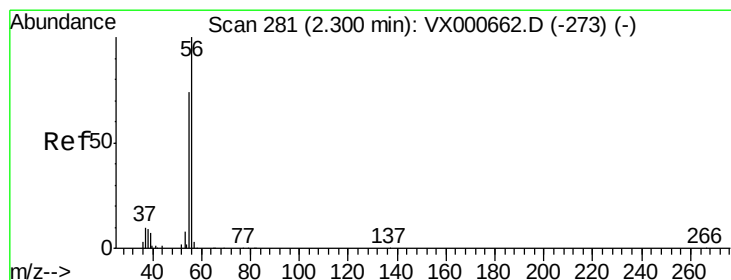
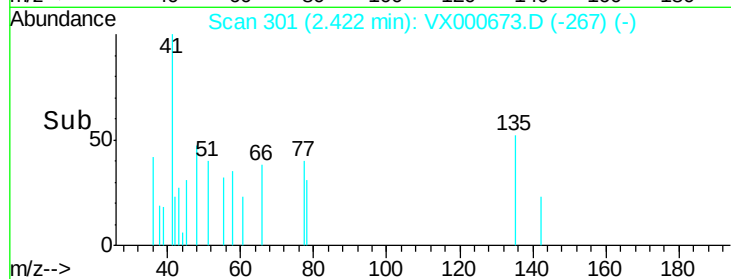
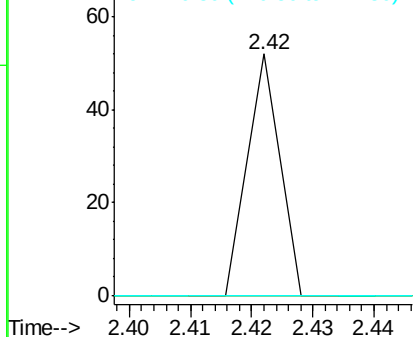
#10
Methyl Iodide
Concen: 9.36 ug/l
RT: 2.42 min Scan# 301
Delta R.T. -0.09 min
Lab File: VX000673.D
Acq: 04 Apr 2018 22:34

Instrument :
MSVOA_X
ClientSampled :
DRUM-1

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 40.7 61.1#
141 0.0 11.1 16.7#

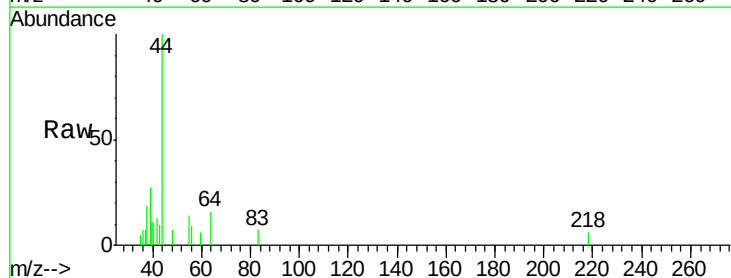


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

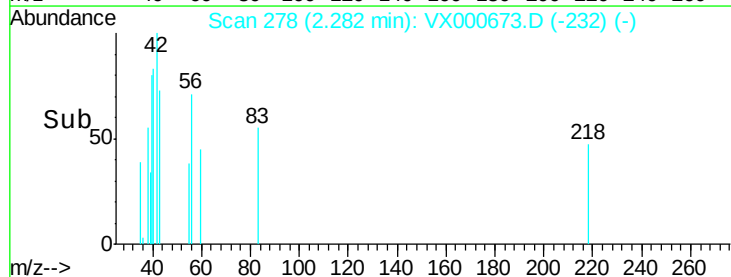
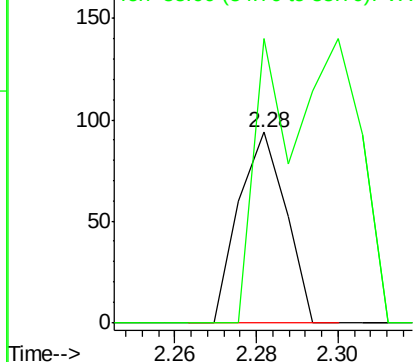


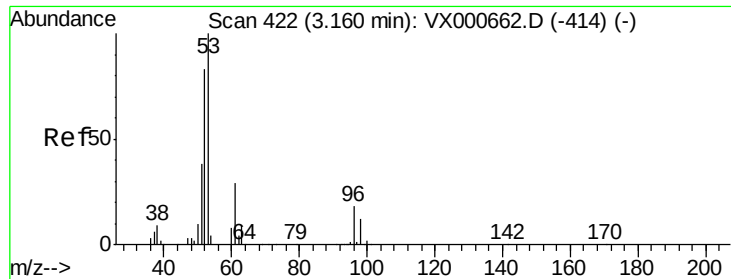
#13
Acrolein
Concen: 0.23 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.02 min
Lab File: VX000673.D
Acq: 04 Apr 2018 22:34

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 276.0 58.1 87.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampled :

DRUM-1

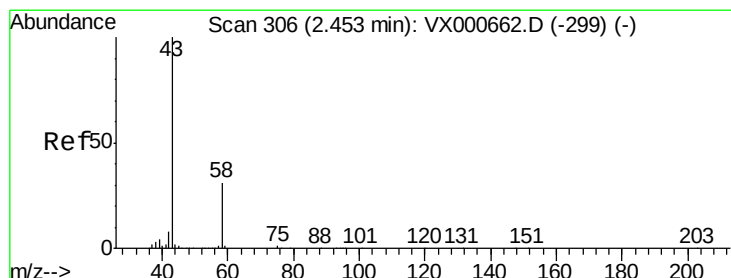
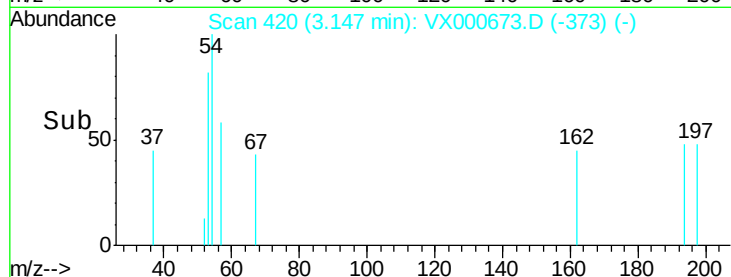
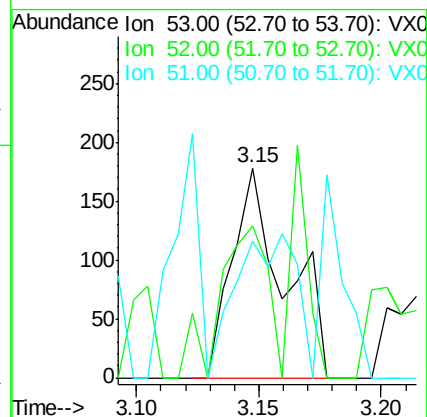
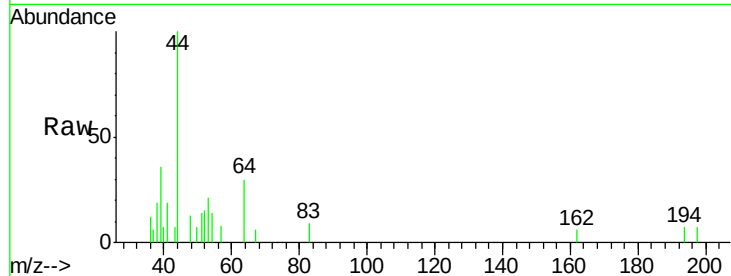
Tgt Ion: 53 Resp: 265

Ion Ratio Lower Upper

53 100

52 66.8 66.5 99.7

51 0.0 30.6 46.0#



#16

Acetone

Concen: 5.93 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000673.D

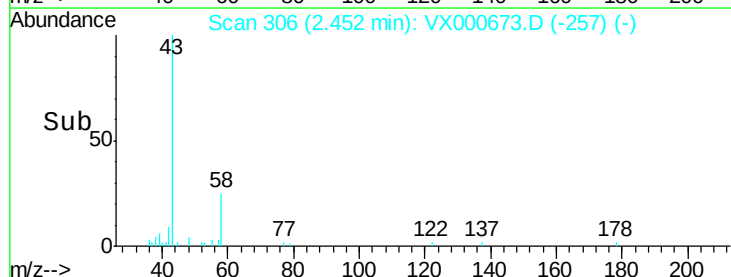
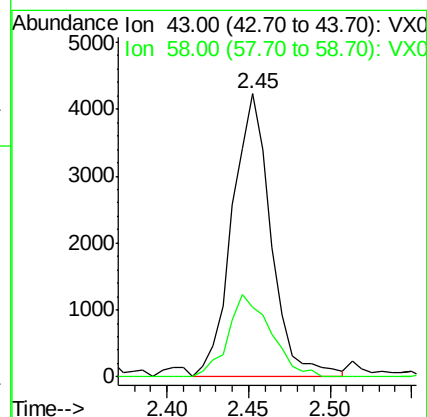
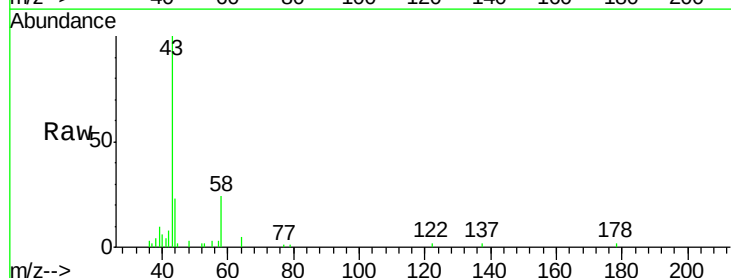
Acq: 04 Apr 2018 22:34

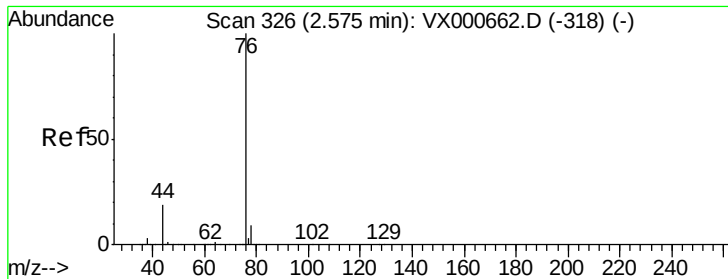
Tgt Ion: 43 Resp: 7030

Ion Ratio Lower Upper

43 100

58 24.5 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampled :

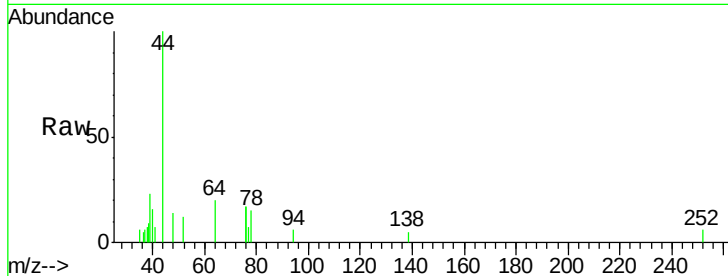
DRUM-1

Tgt Ion: 76 Resp: 591

Ion Ratio Lower Upper

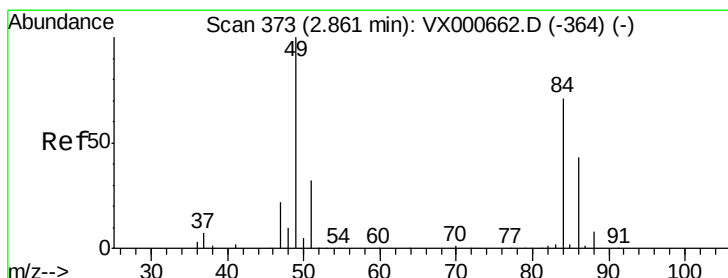
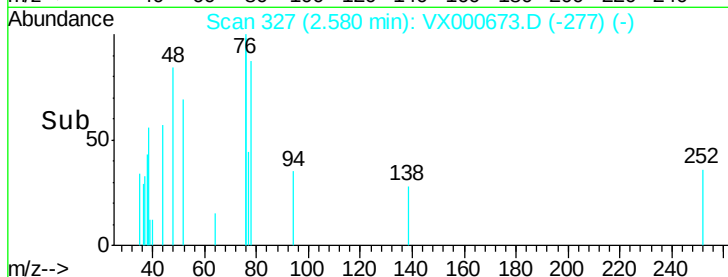
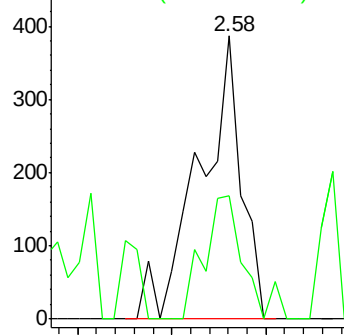
76 100

78 30.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 22.97 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Tgt Ion: 84 Resp: 31068

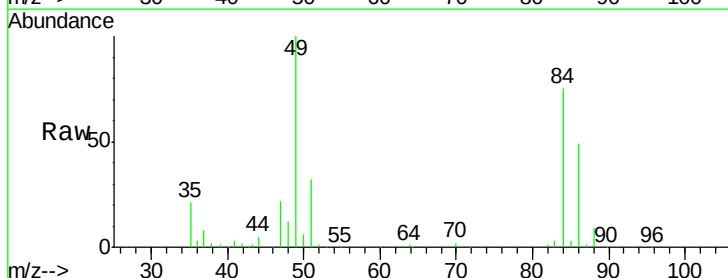
Ion Ratio Lower Upper

84 100

49 134.1 112.1 168.1

51 42.7 35.4 53.0

86 65.7 48.7 73.1

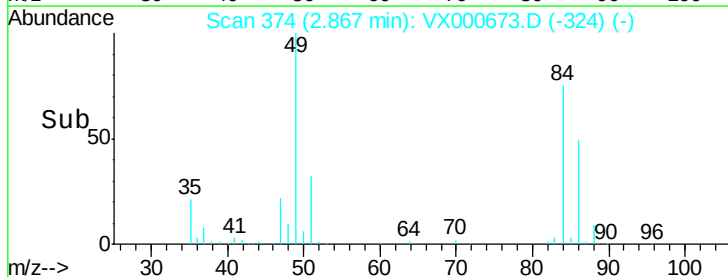
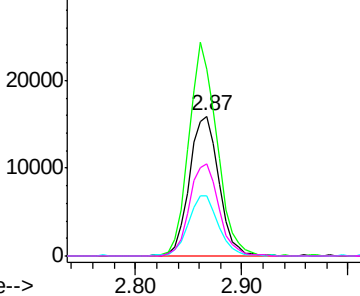


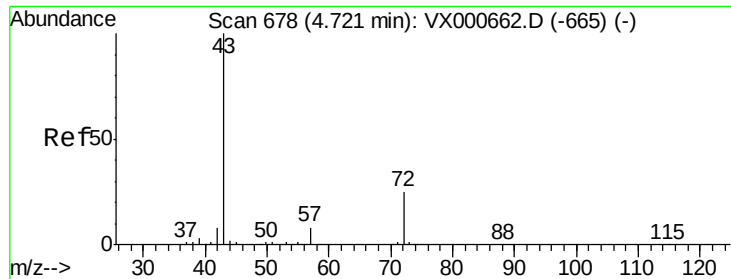
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.64 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

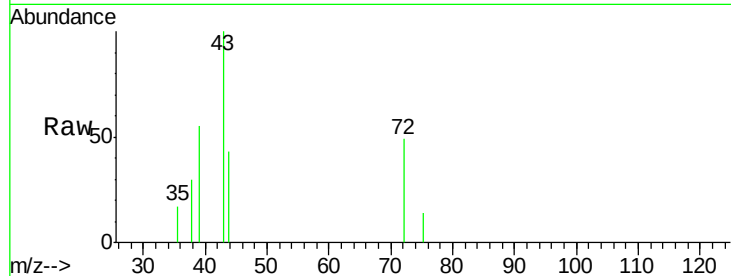
DRUM-1

Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

72 48.9 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

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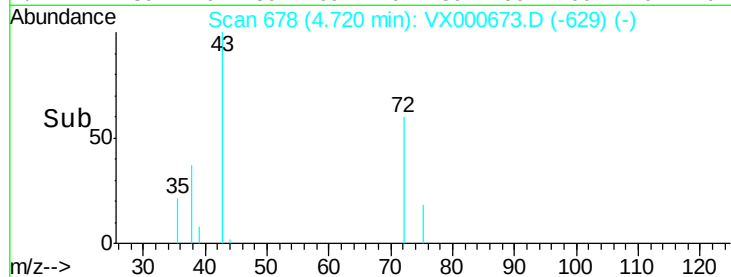
4.72

4.72

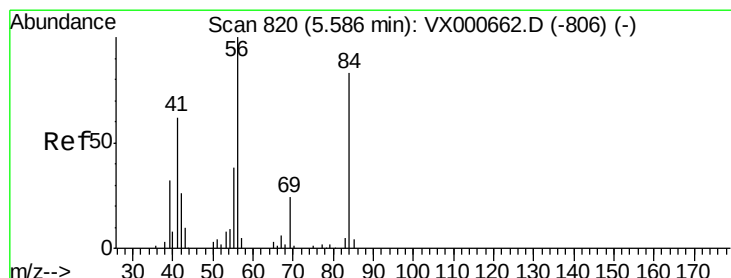
4.72

4.72

4.72



Time-->



#31

Cyclohexane

Concen: 1.94 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

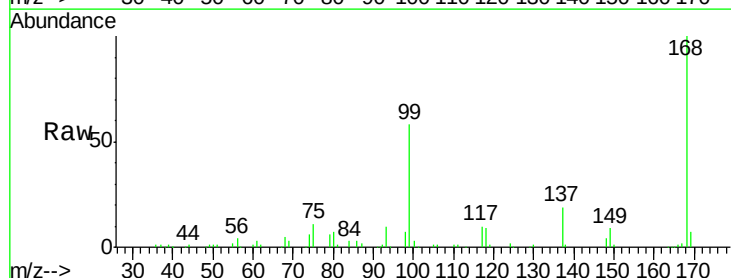
Tgt Ion: 56 Resp: 2757

Ion Ratio Lower Upper

56 100

69 89.2 19.4 29.0#

84 74.4 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

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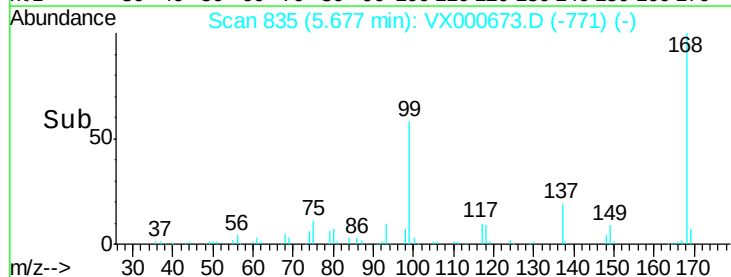
5.68

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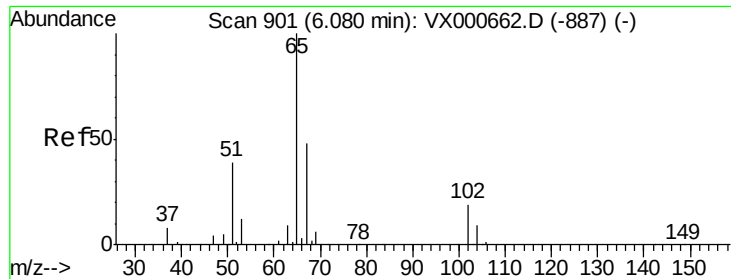
5.68

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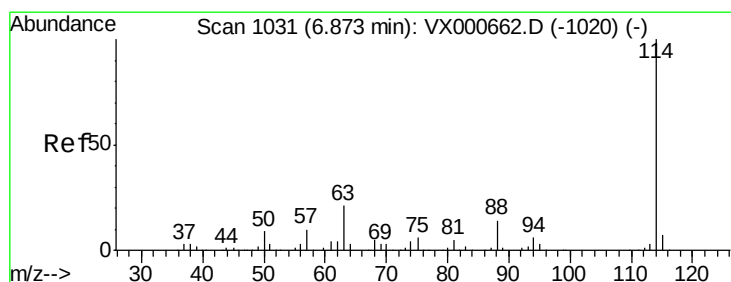
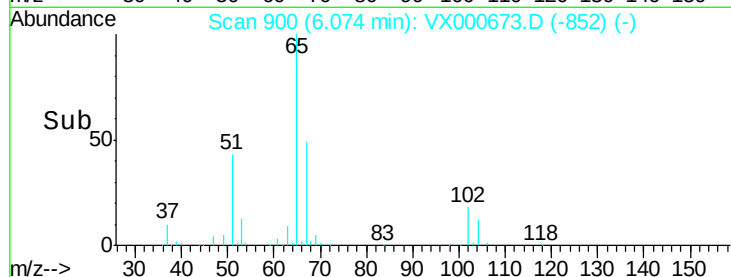
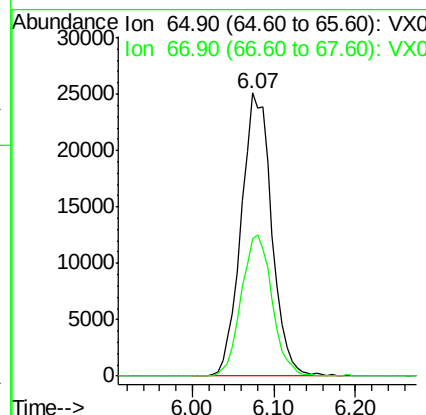
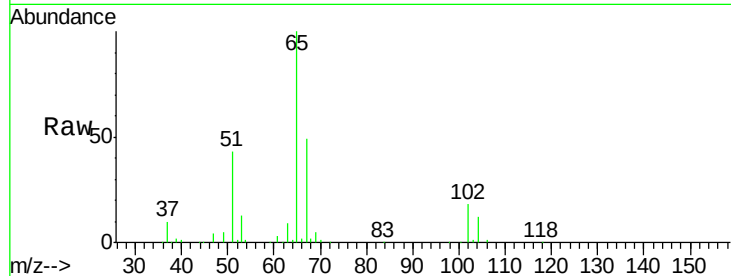
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 45.31 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000673.D
 Acq: 04 Apr 2018 22:34

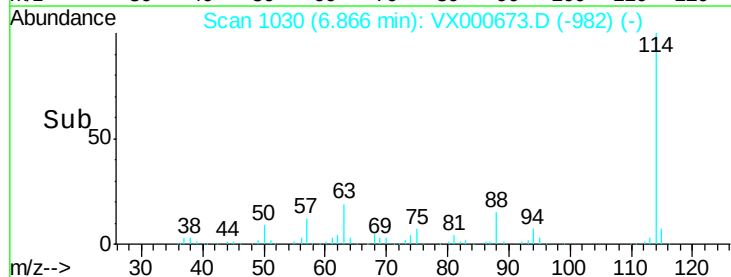
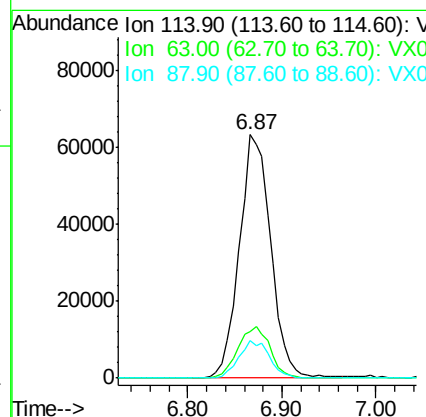
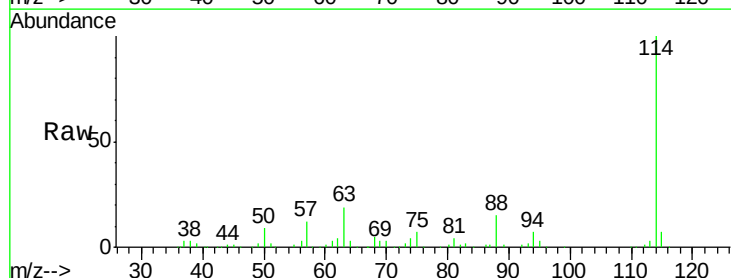
Instrument :
 MSVOA_X
 ClientSampled :
 DRUM-1

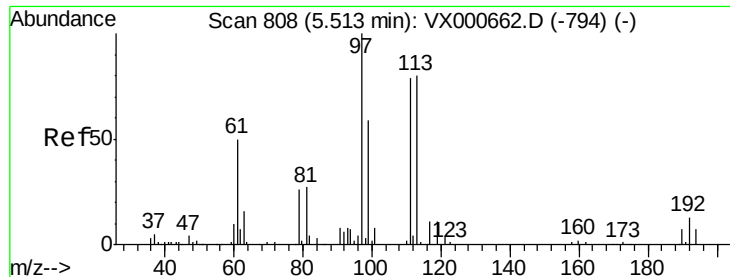
Tgt Ion: 65 Resp: 65319
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000673.D
 Acq: 04 Apr 2018 22:34

Tgt Ion: 114 Resp: 147430
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.6
 88 15.2 0.0 28.6





#35

Dibromofluoromethane

Concen: 47.53 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

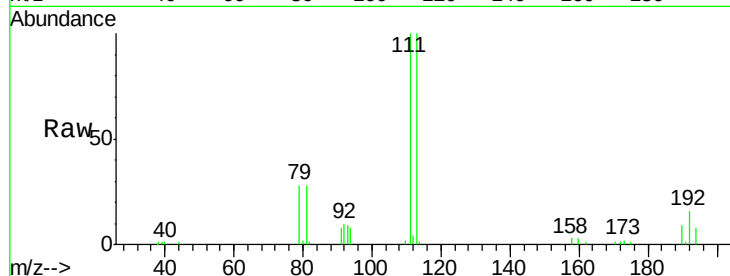
Tgt Ion:113 Resp: 47837

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

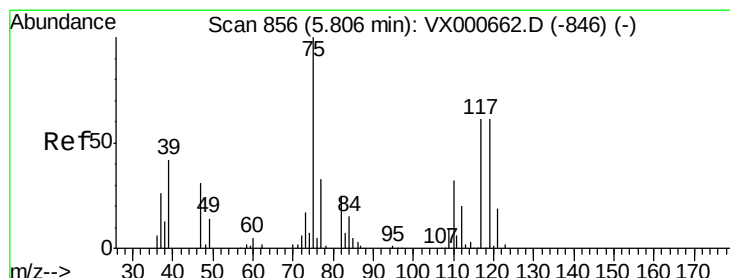
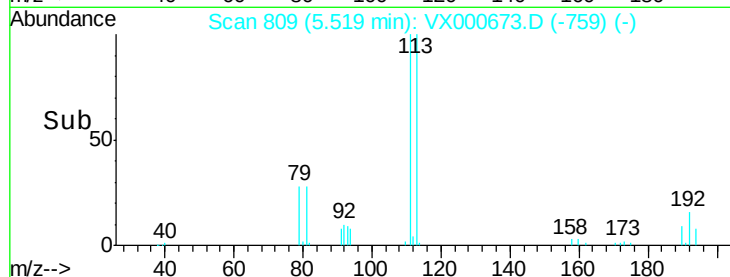
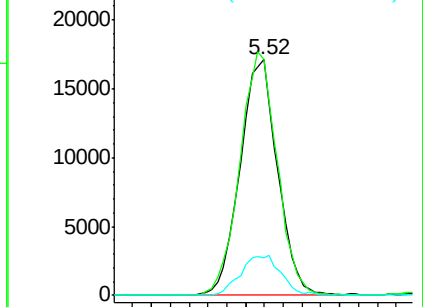
192 18.2 14.3 21.5



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: 5.78 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

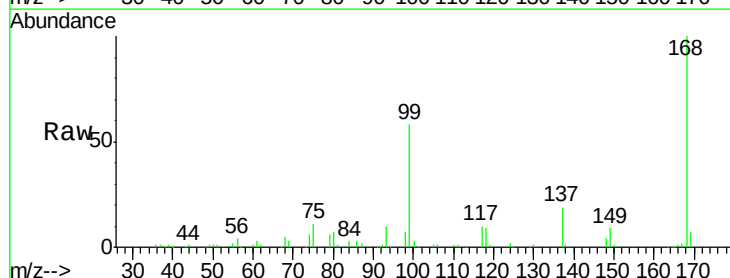
Tgt Ion: 75 Resp: 7910

Ion Ratio Lower Upper

75 100

110 10.2 16.3 48.9#

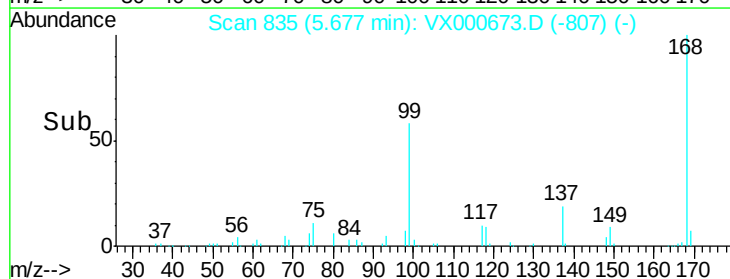
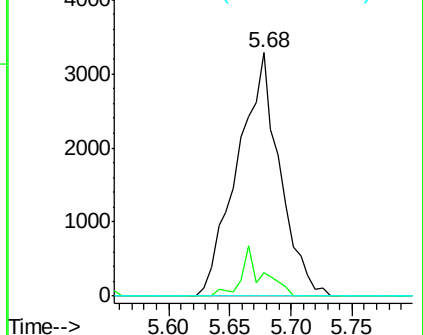
77 0.0 24.3 36.5#

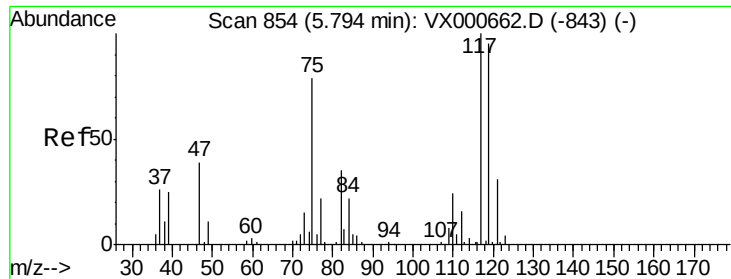


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

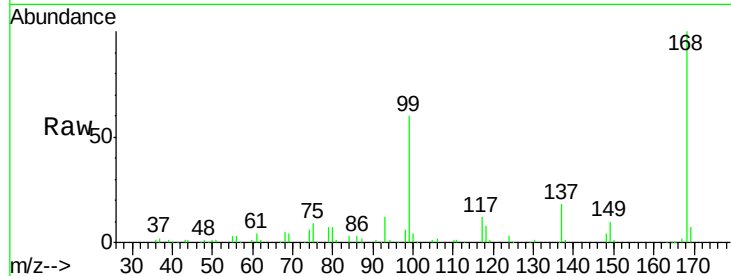
Tgt Ion: 117 Resp: 8996

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

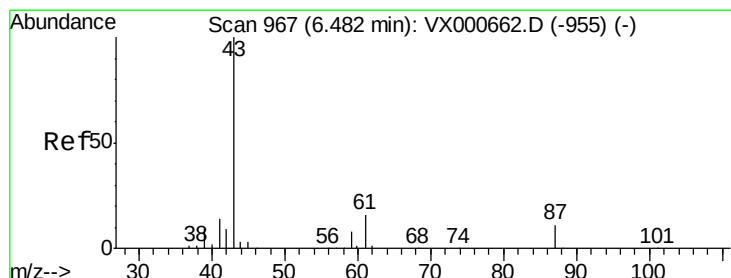
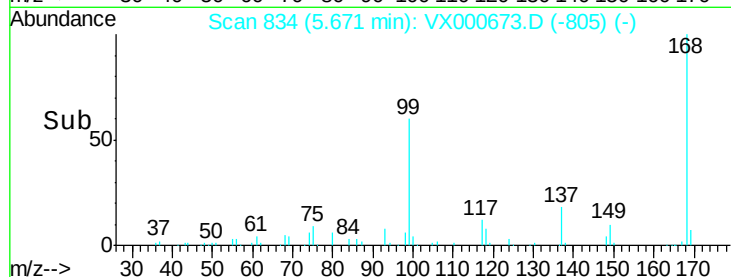
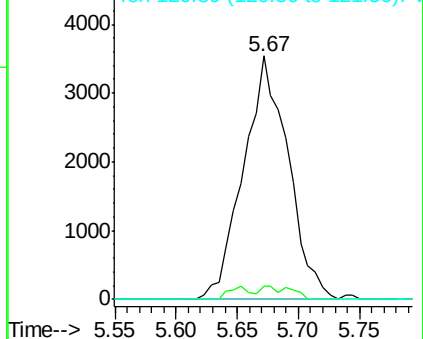
121 0.0 24.8 37.2#



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: 0.40 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

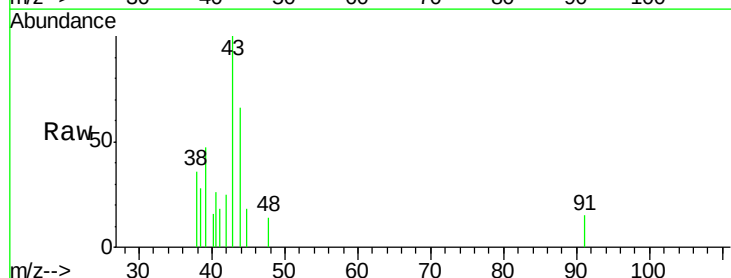
Tgt Ion: 43 Resp: 1211

Ion Ratio Lower Upper

43 100

61 6.6 13.4 20.2#

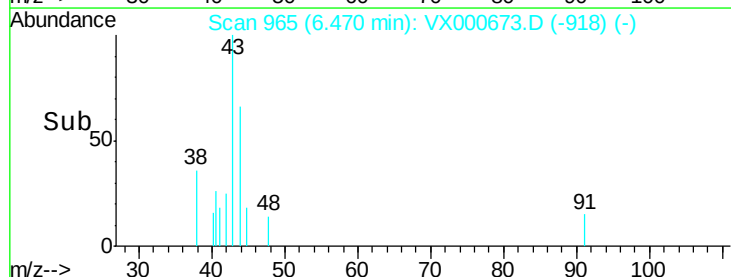
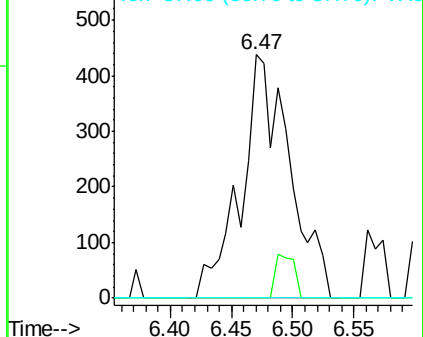
87 0.0 9.4 14.0#

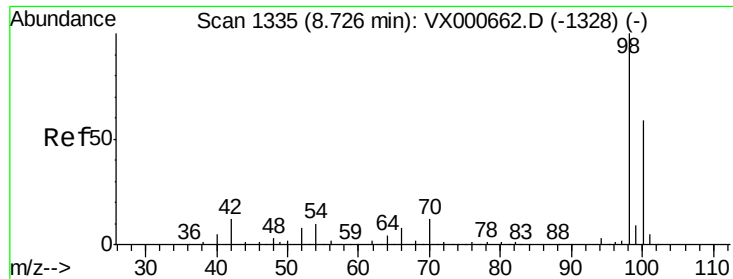


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

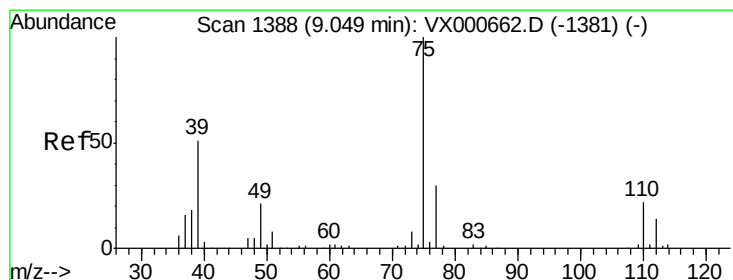
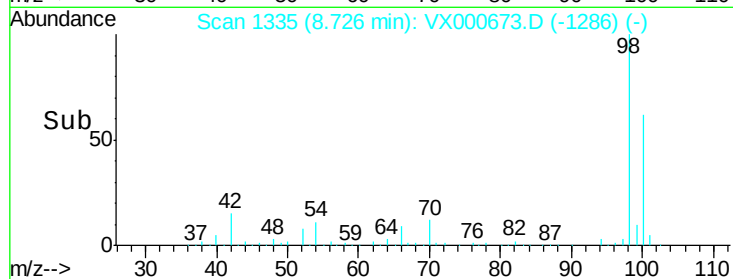
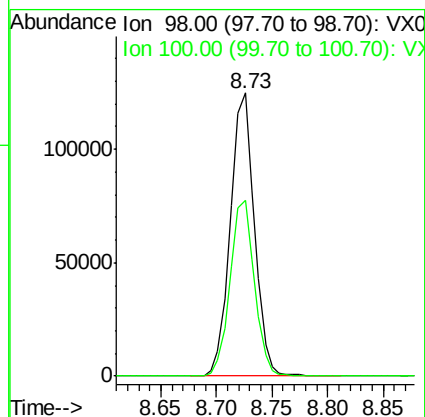
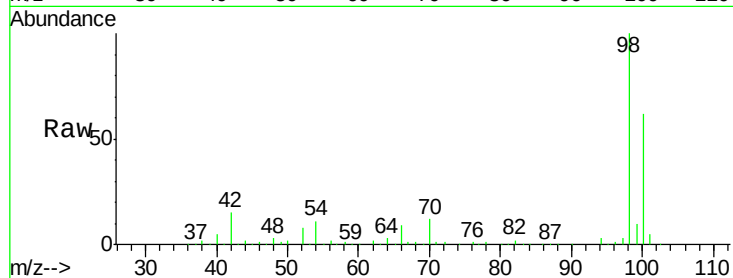




#50
Toluene-d8
Concen: 43.75 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000673.D
Acq: 04 Apr 2018 22:34

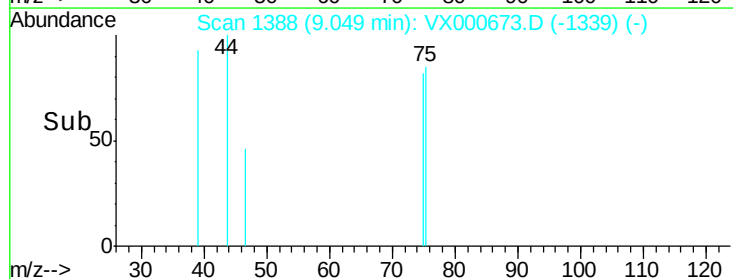
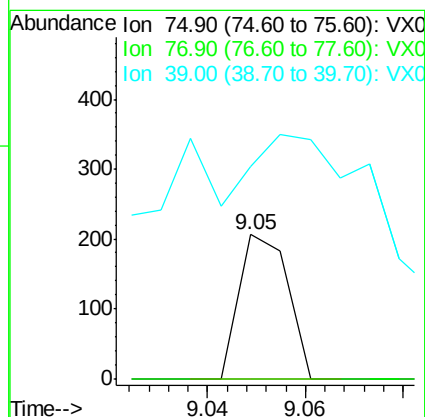
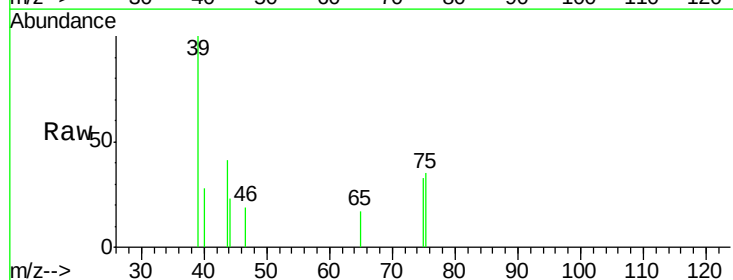
Instrument :
MSVOA_X
ClientSampled :
DRUM-1

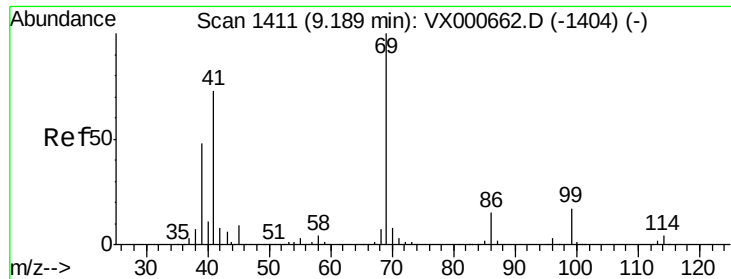
Tgt Ion: 98 Resp: 187217
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.6



#54
cis-1,3-Dichloropropene
Concen: 4.24 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000673.D
Acq: 04 Apr 2018 22:34

Tgt Ion: 75 Resp: 142
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#
39 7.3 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: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

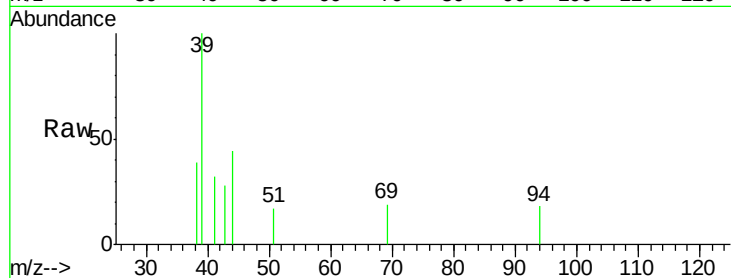
Tgt Ion: 69 Resp: 25

Ion Ratio Lower Upper

69 100

41 0.0 56.5 84.7#

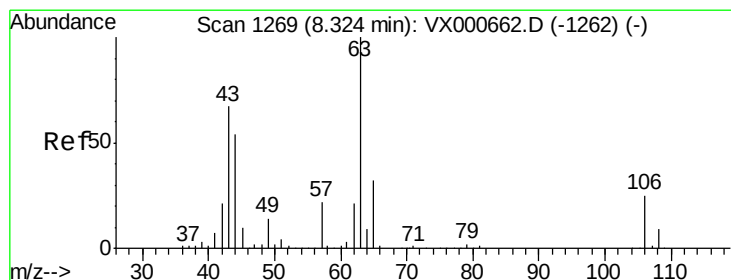
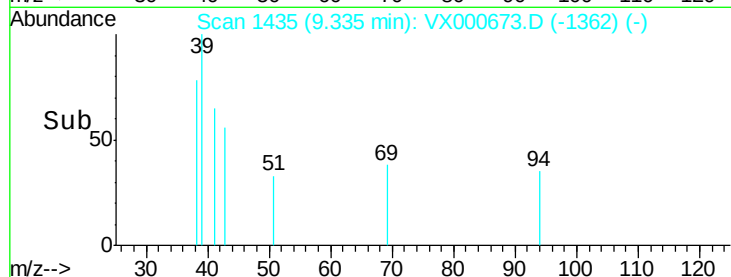
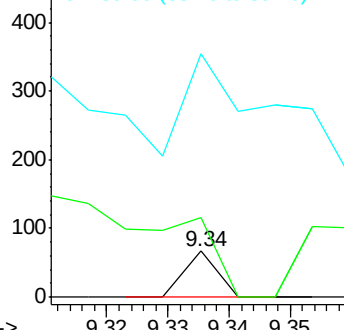
39 688.0 39.8 59.8#



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



#58

2-Chloroethyl Vinyl ether

Concen: 15.57 ug/l

RT: 8.16 min Scan# 1242

Delta R.T. -0.16 min

Lab File: VX000673.D

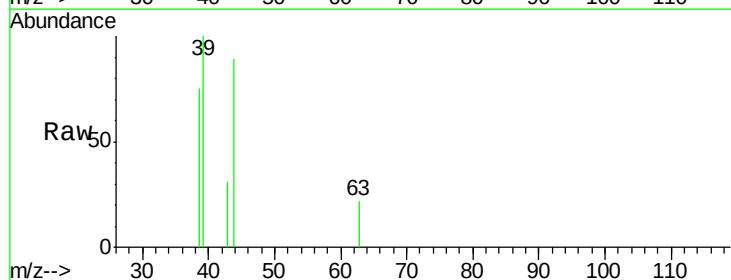
Acq: 04 Apr 2018 22:34

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

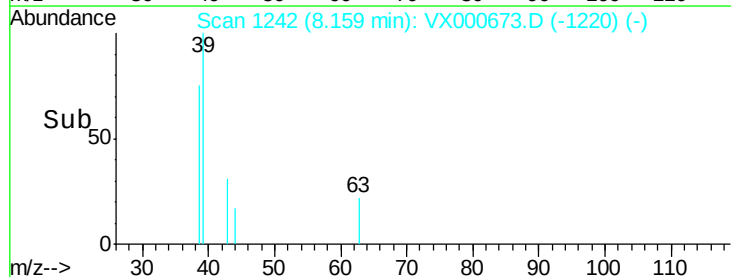
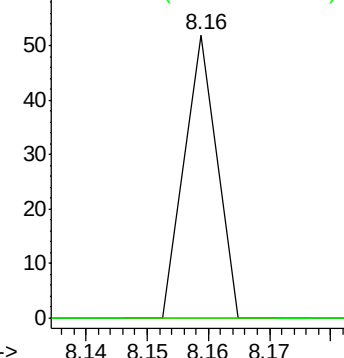
63 100

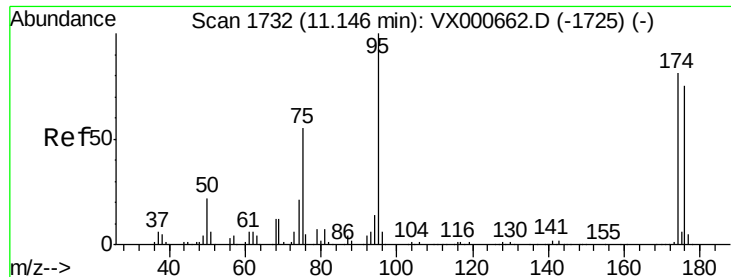
106 0.0 20.5 30.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 39.00 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

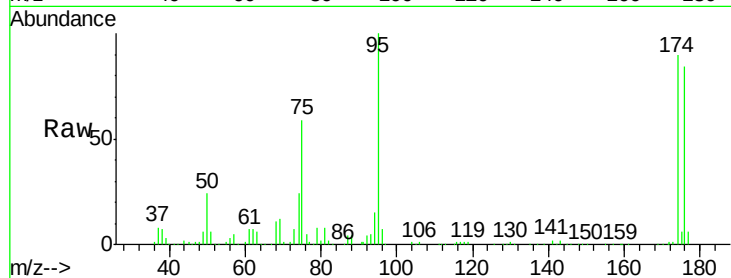
Tgt Ion: 95 Resp: 66063

Ion Ratio Lower Upper

95 100

174 85.2 0.0 156.8

176 82.3 0.0 150.6

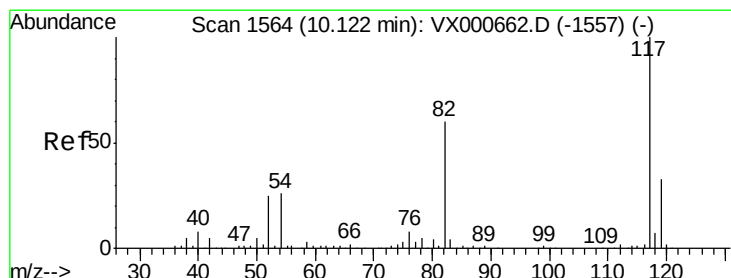
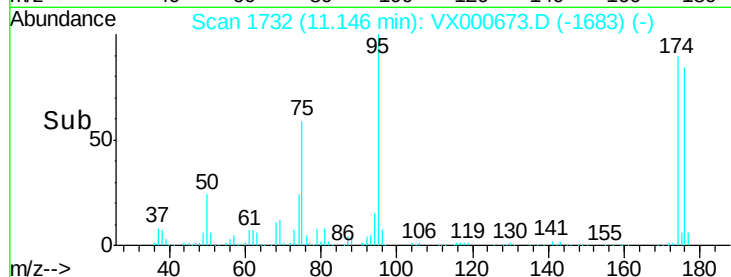


Abundance Ion 94.90 (94.60 to 95.60): VX000662.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000662.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000662.D (-1725) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

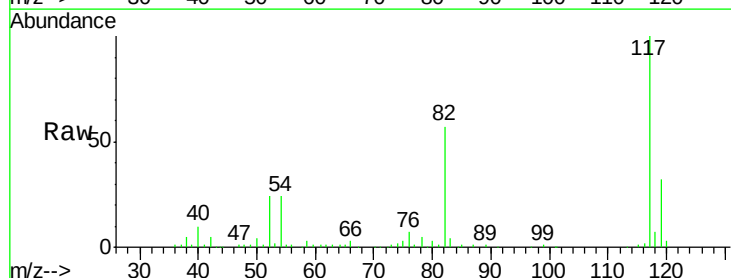
Tgt Ion: 117 Resp: 146085

Ion Ratio Lower Upper

117 100

82 57.2 48.3 72.5

119 31.8 26.0 39.0

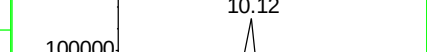
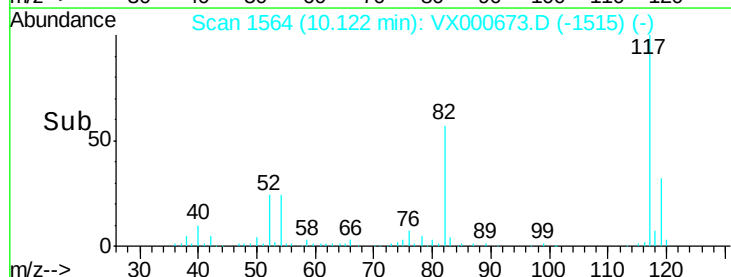


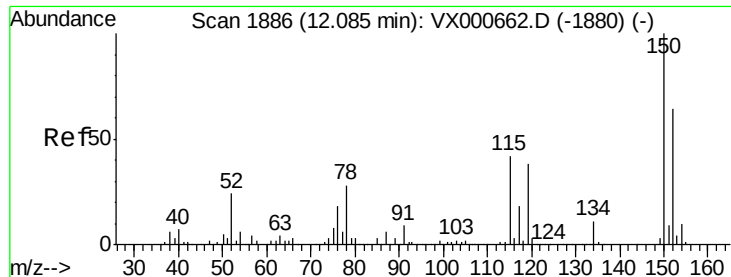
Abundance Ion 116.90 (116.60 to 117.60): VX000662.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000662.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000662.D (-1557) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

DRUM-1

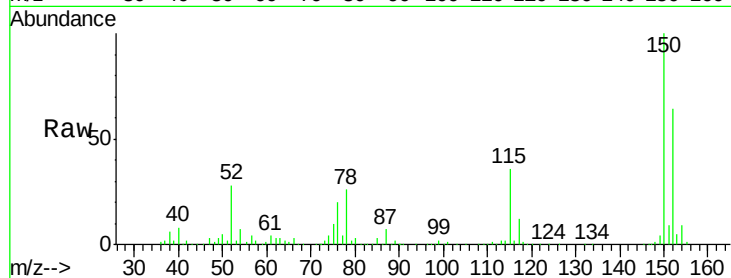
Tgt Ion:152 Resp: 76097

Ion Ratio Lower Upper

152 100

115 56.5 41.9 125.8

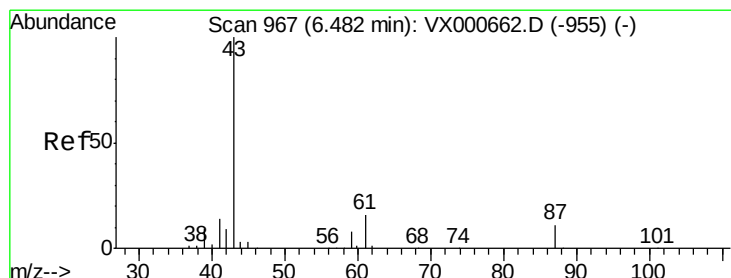
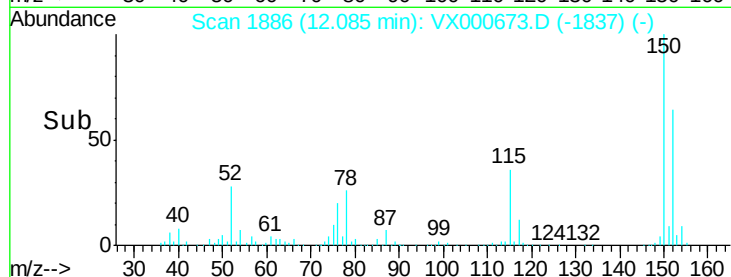
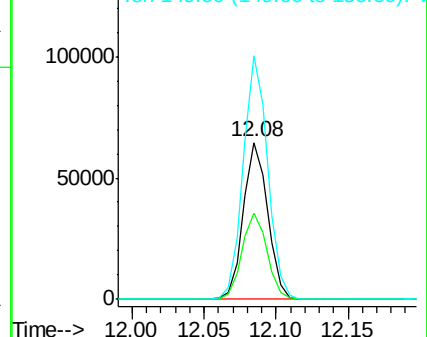
150 155.7 0.0 348.0



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: 0.49 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Tgt Ion: 43 Resp: 1211

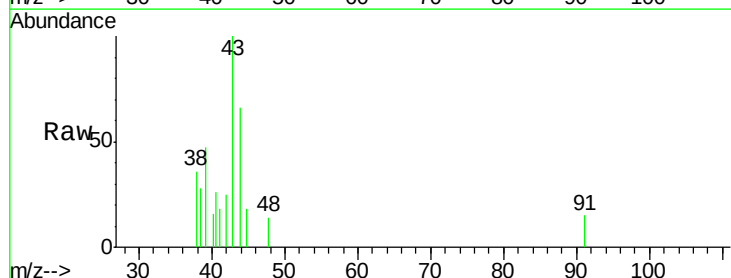
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.6 13.4 20.2#

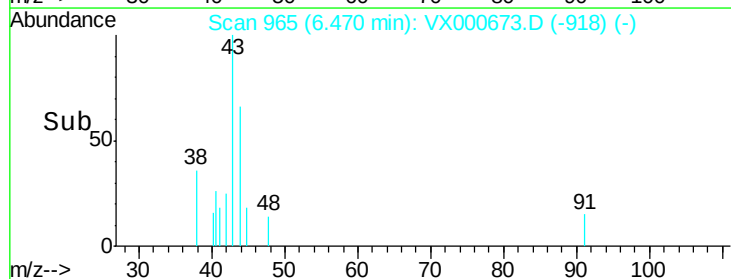
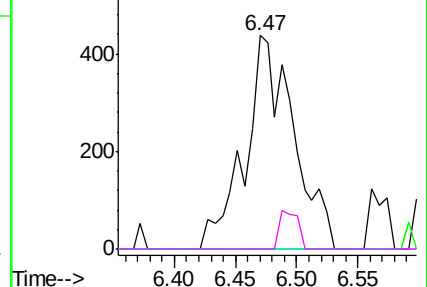


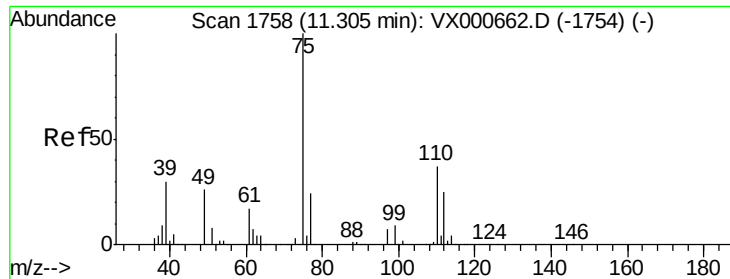
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.19 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

Instrument :

MSVOA_X

ClientSampleId :

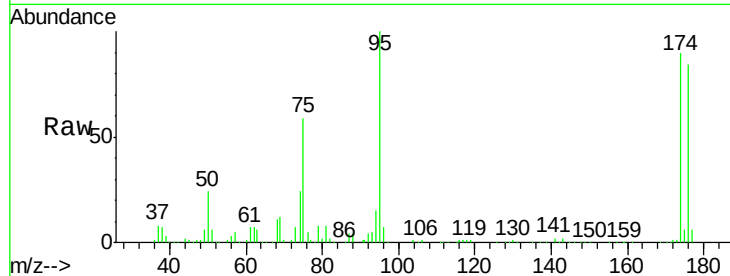
DRUM-1

Tgt Ion: 75 Resp: 40148

Ion Ratio Lower Upper

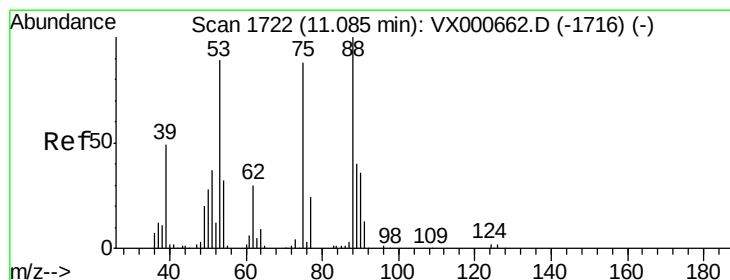
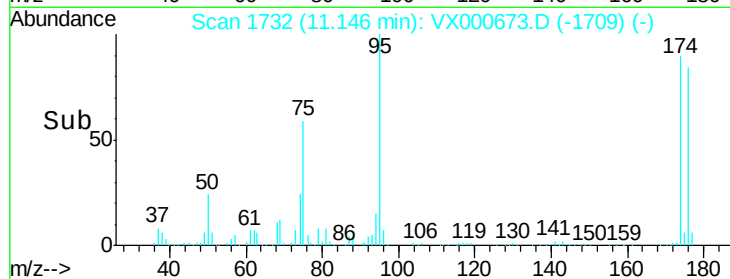
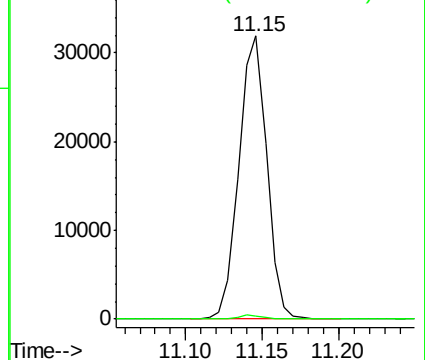
75 100

77 1.2 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: 86.74 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000673.D

Acq: 04 Apr 2018 22:34

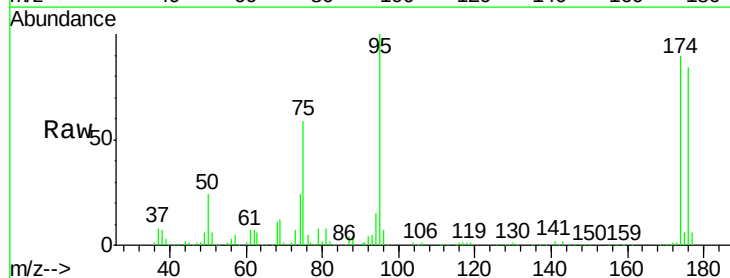
Tgt Ion: 75 Resp: 40148

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

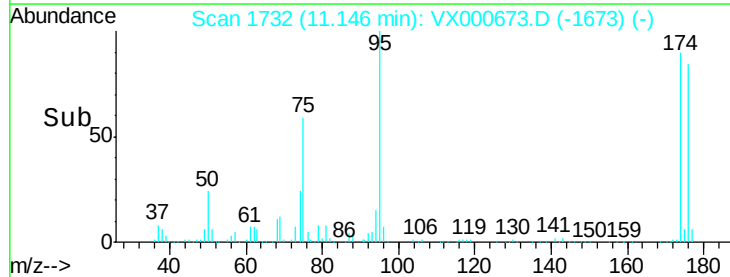
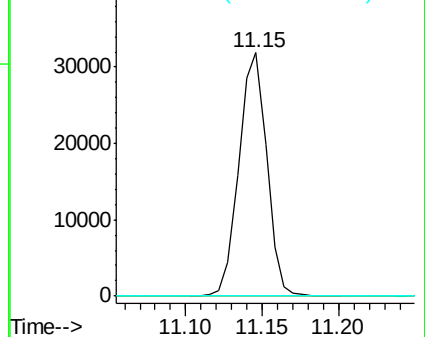
89 0.0 36.3 54.5#

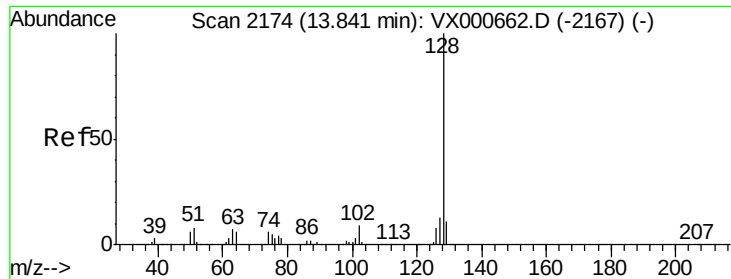


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 1.68 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000673.D
Acq: 04 Apr 2018 22:34

Instrument :
MSVOA_X
ClientSampleId :
DRUM-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.6	16.0
129	12.0	8.9	13.3

