

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040418\
 Data File : VX000672.D
 Acq On : 04 Apr 2018 22:08
 Operator : JC/MD
 Sample : J2212-12 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-1-B

Quant Time: Apr 05 05:23:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 05 03:34:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	85781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	147999	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	74351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	66850	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	
35) Dibromofluoromethane	5.51	113	48383	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	8.73	98	189822	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
62) 4-Bromofluorobenzene	11.15	95	67368	39.62	ug/l	0.00
Spiked Amount			Recovery	=	79.24%	

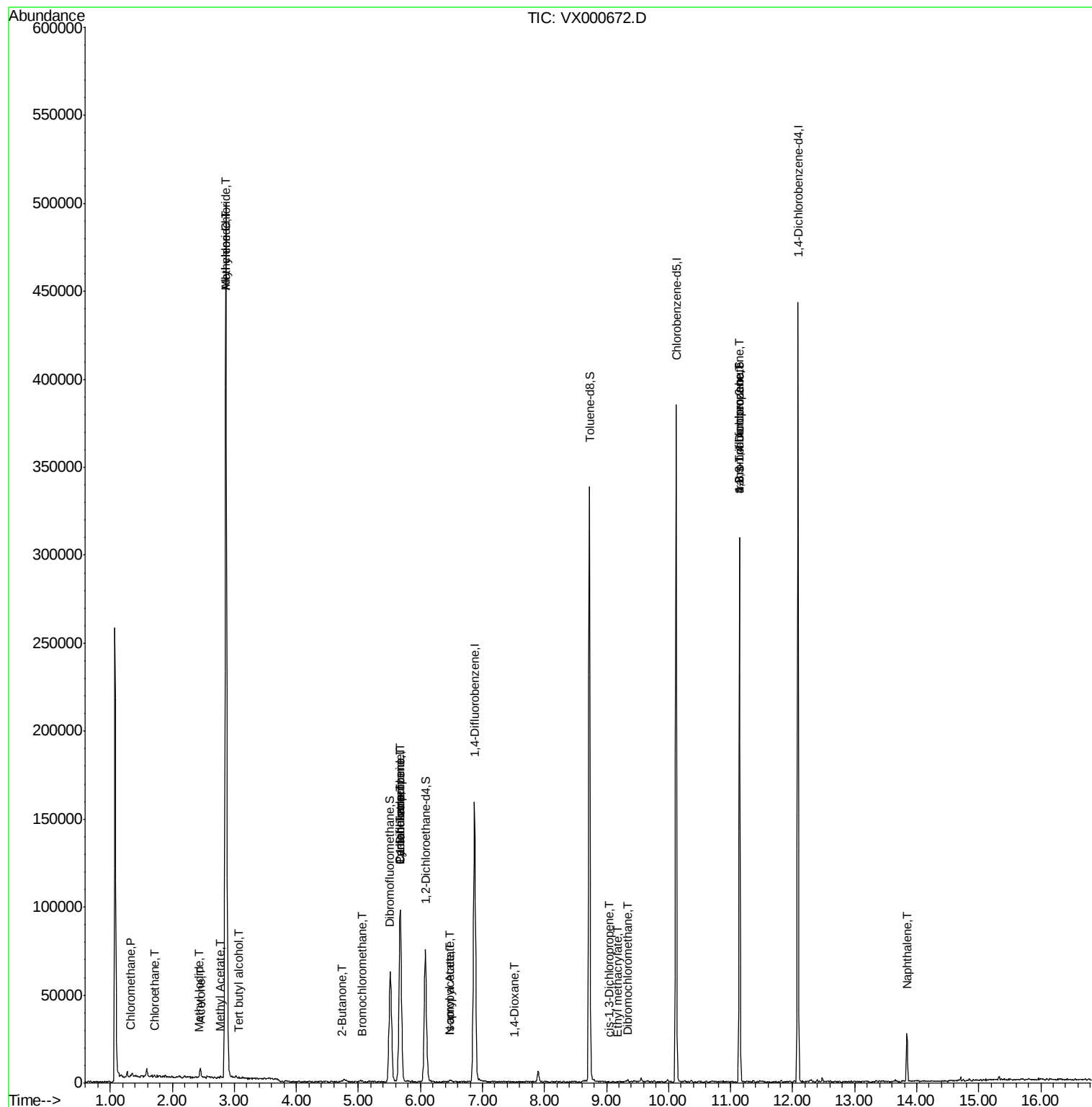
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	402	0.41	ug/l	98
6) Chloroethane	1.71	64	304	0.32	ug/l #	43
10) Methyl Iodide	2.42	142	54	9.39	ug/l #	77
11) Tert butyl alcohol	3.07	59	126	0.22	ug/l #	82
14) Allyl chloride	2.87	41	8775	3.76	ug/l #	25
16) Acetone	2.45	43	5897	4.92	ug/l	97
18) Methyl Acetate	2.78	43	674	0.25	ug/l #	71
20) Methylene Chloride	2.87	84	211750	154.84	ug/l	96
25) 2-Butanone	4.73	43	1113	0.92	ug/l #	50
28) Bromochloromethane	5.06	49	662	0.80	ug/l #	25
31) Cyclohexane	5.67	56	2894	2.01	ug/l #	42
36) 1,1-Dichloropropene	5.67	75	7601	5.54	ug/l #	50
38) Carbon Tetrachloride	5.68	117	9194	6.96	ug/l #	20
43) Isopropyl Acetate	6.48	43	1303	0.43	ug/l #	70
49) 1,4-Dioxane	7.50	88	29	0.88	ug/l #	71
54) cis-1,3-Dichloropropene	9.05	75	46	4.19	ug/l #	33
56) Ethyl methacrylate	9.19	69	22	4.33	ug/l #	1
60) Dibromochloromethane	9.34	129	251	4.67	ug/l #	11
74) N-amyl acetate	6.48	43	1303	0.54	ug/l #	71
76) 1,2,3-Trichloropropane	11.15	75	41514	25.60	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.15	75	41514	91.80	ug/l #	7
95) Naphthalene	13.84	128	15608	2.79	ug/l	98

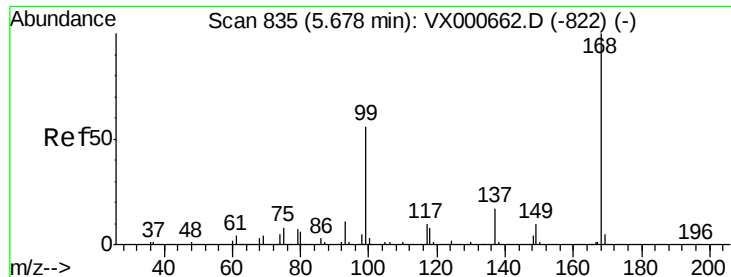
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
SP-1-B

Quant Time: Apr 05 05:23:40 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: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampled :

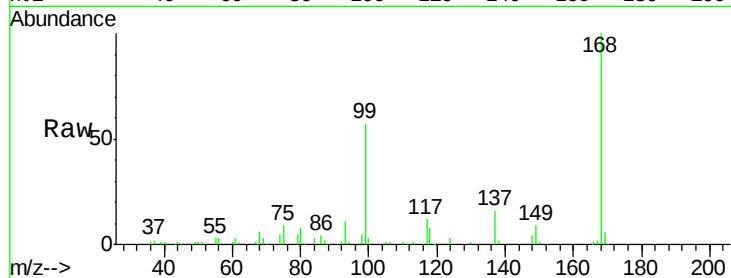
SP-1-B

Tgt Ion:168 Resp: 85781

Ion Ratio Lower Upper

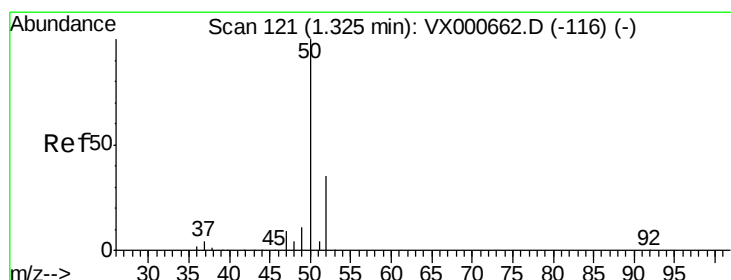
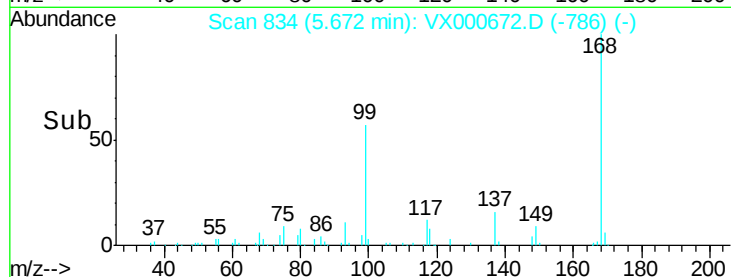
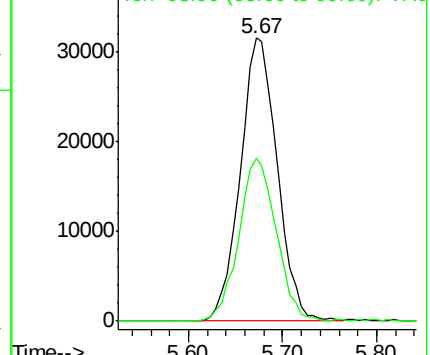
168 100

99 57.4 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: 0.41 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000672.D

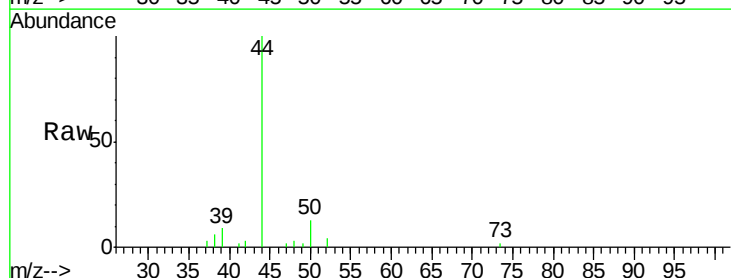
Acq: 04 Apr 2018 22:08

Tgt Ion: 50 Resp: 402

Ion Ratio Lower Upper

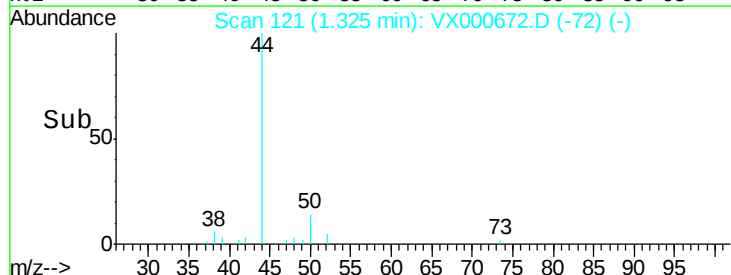
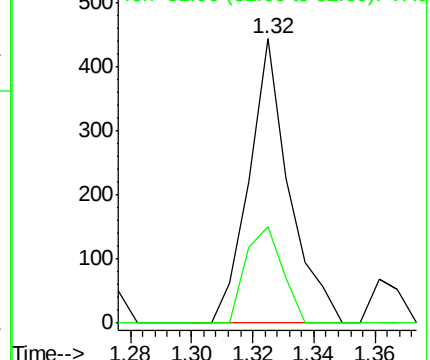
50 100

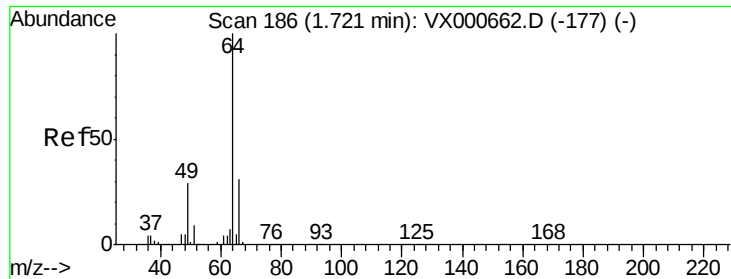
52 33.9 28.0 42.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.32 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampled :

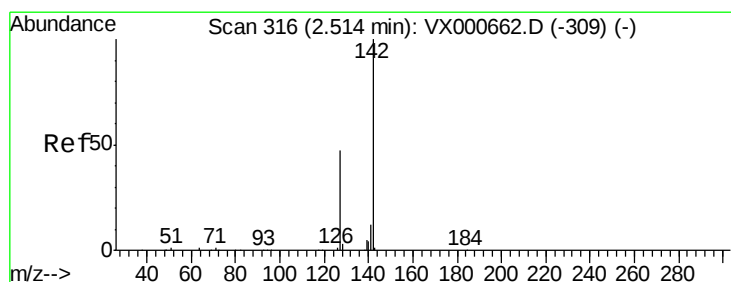
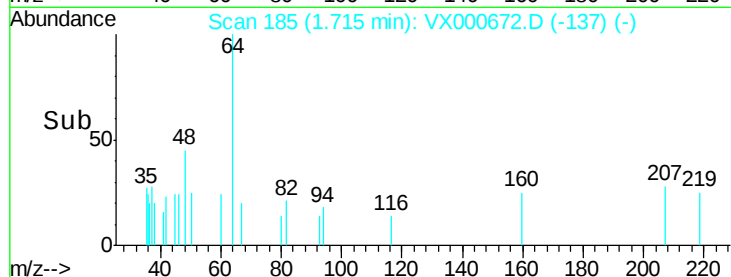
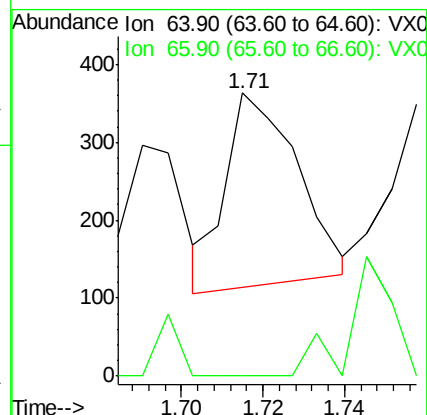
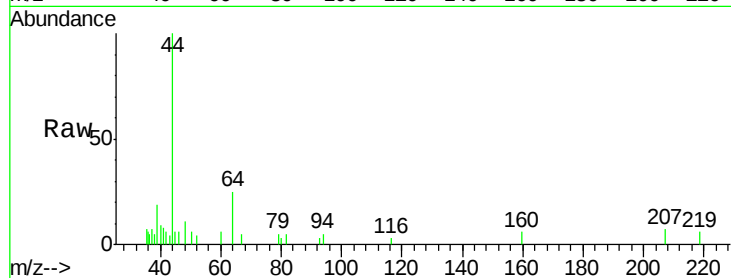
SP-1-B

Tgt Ion: 64 Resp: 304

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 9.39 ug/l

RT: 2.42 min Scan# 300

Delta R.T. -0.10 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

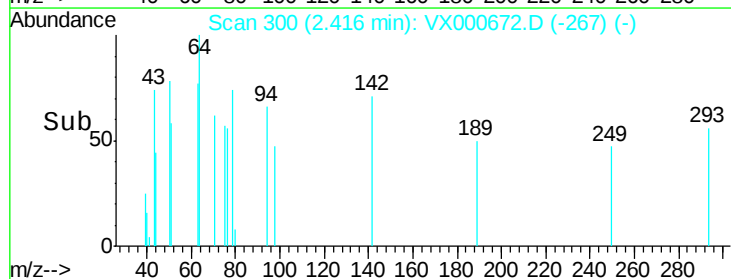
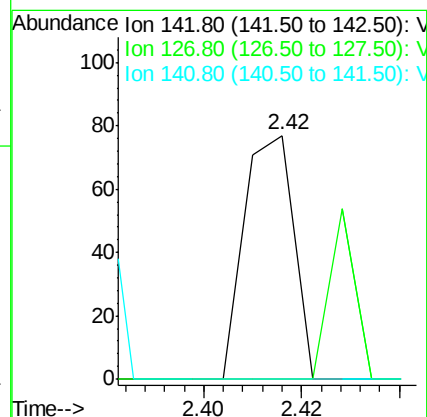
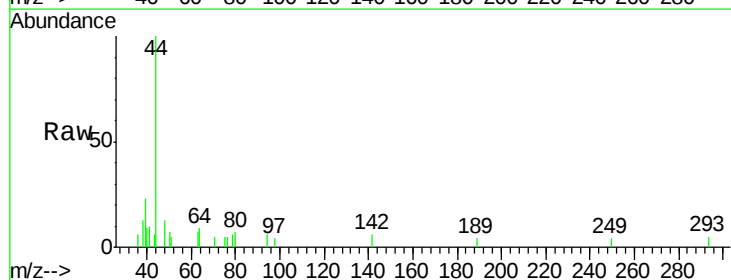
Tgt Ion: 142 Resp: 54

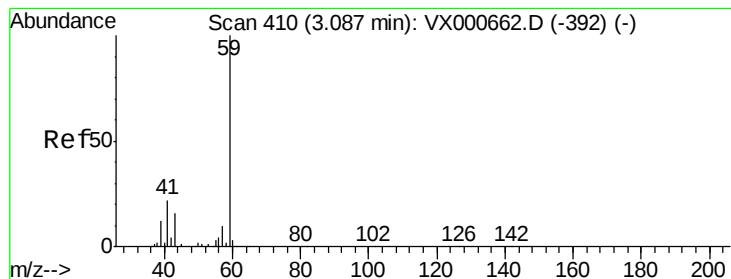
Ion Ratio Lower Upper

142 100

127 37.0 40.7 61.1#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampled :

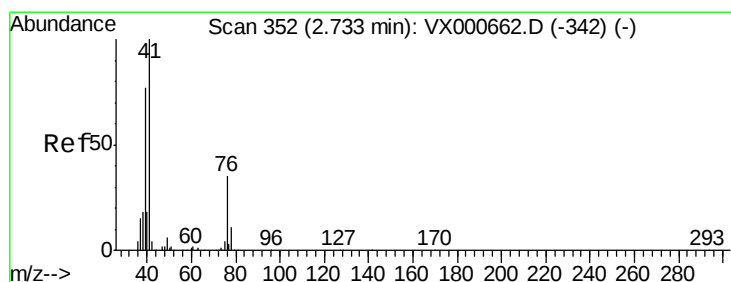
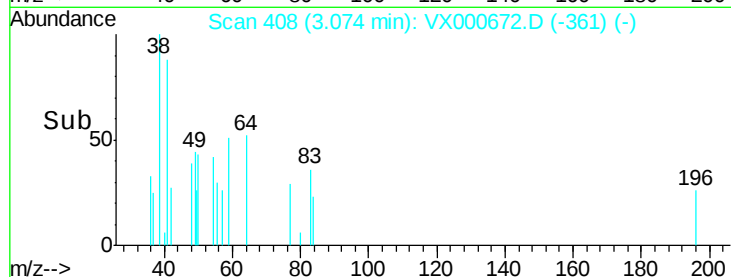
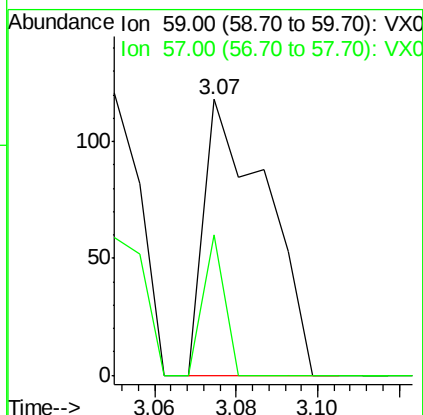
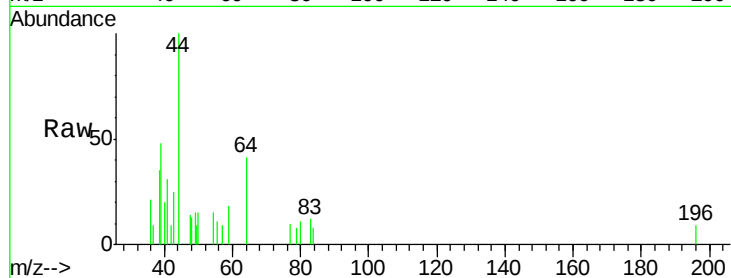
SP-1-B

Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 17.5 8.5 12.7#



#14

Allyl chloride

Concen: 3.76 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.13 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

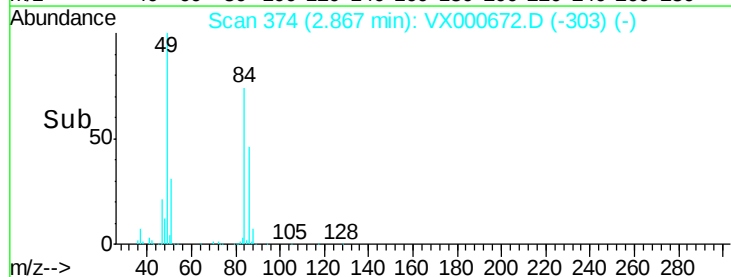
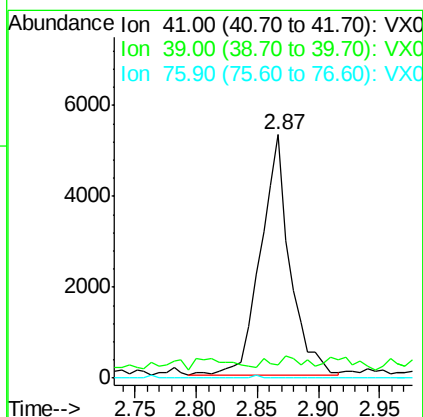
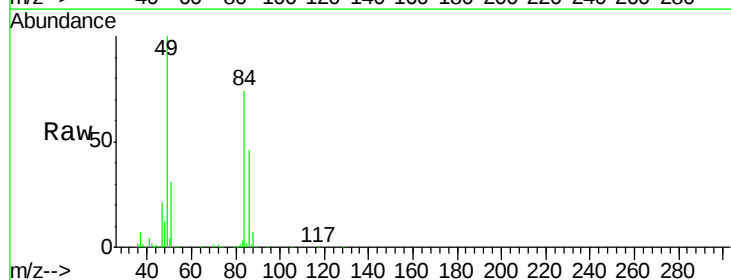
Tgt Ion: 41 Resp: 8775

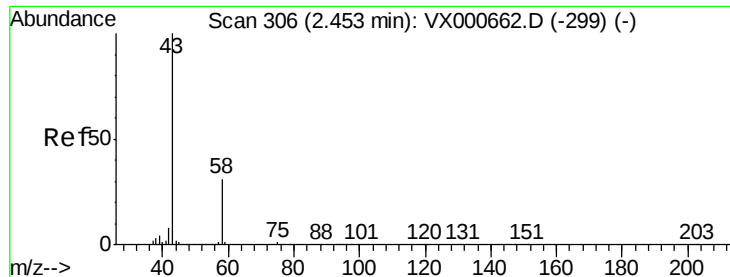
Ion Ratio Lower Upper

41 100

39 2.5 57.0 85.6#

76 0.0 23.9 35.9#





#16

Acetone

Concen: 4.92 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampled :

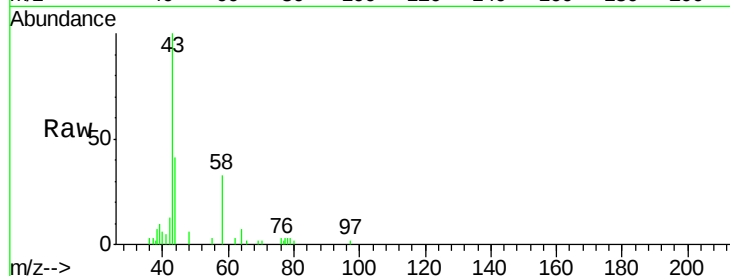
SP-1-B

Tgt Ion: 43 Resp: 5897

Ion Ratio Lower Upper

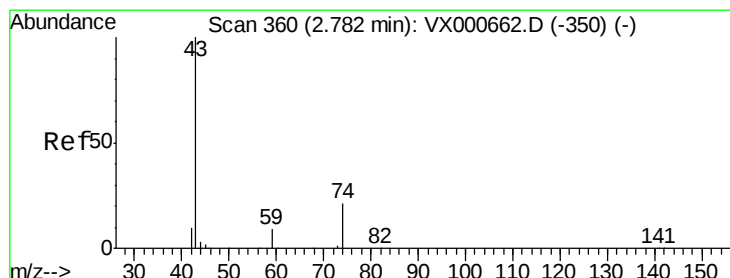
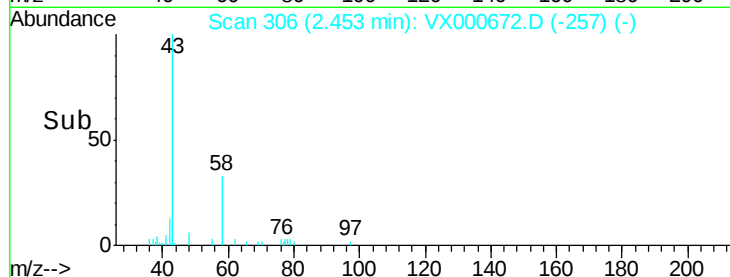
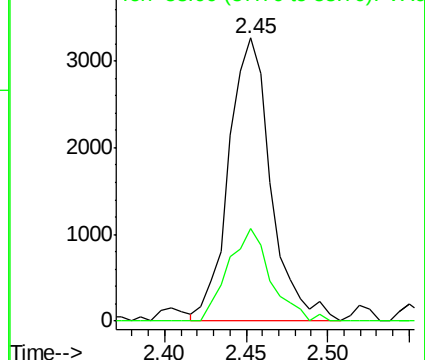
43 100

58 32.6 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: 0.25 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX000672.D

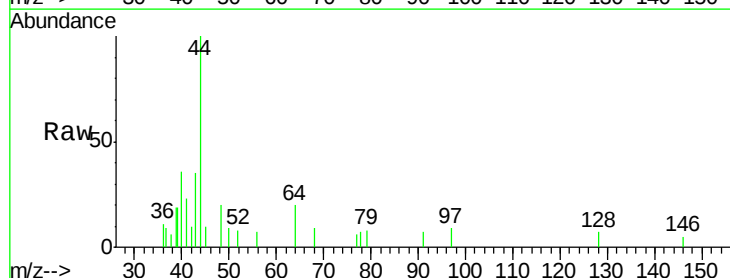
Acq: 04 Apr 2018 22:08

Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

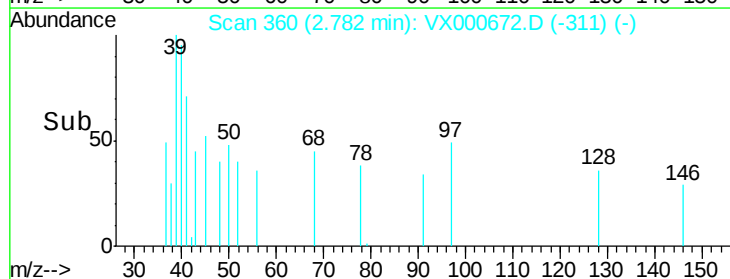
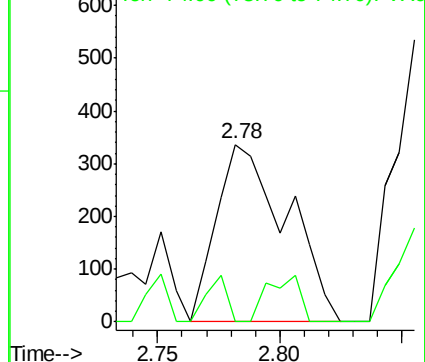
43 100

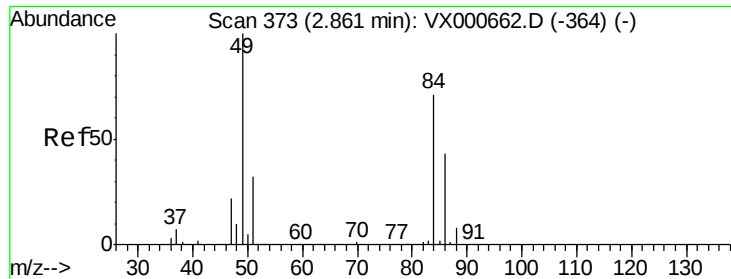
74 7.6 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

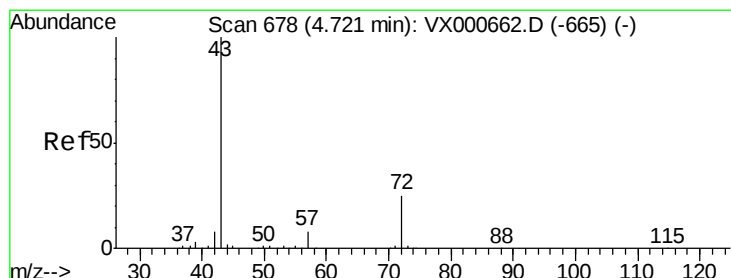
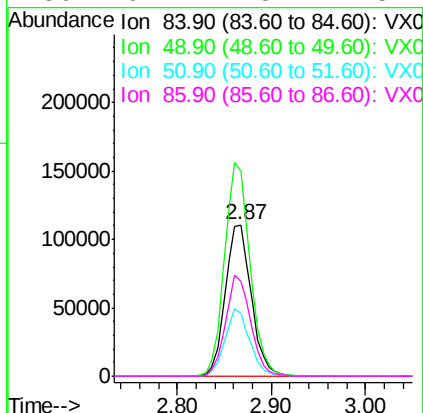
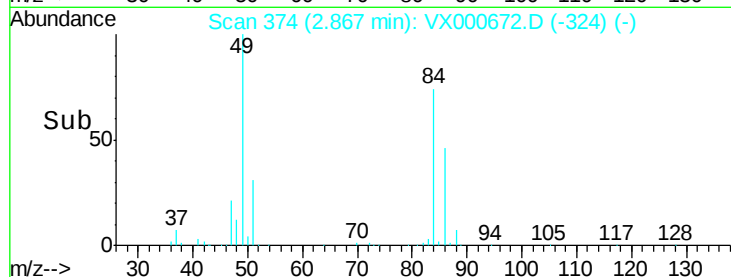
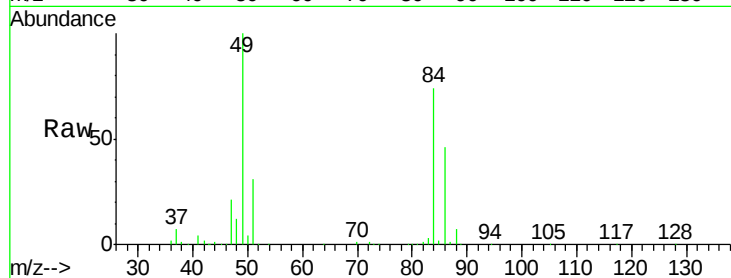




#20
Methylene Chloride
Concen: 154.84 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

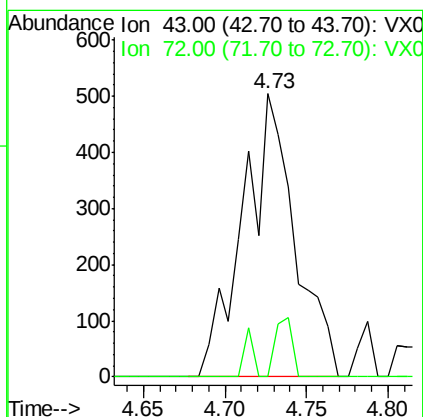
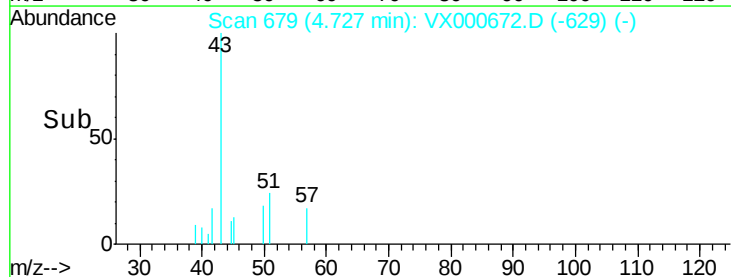
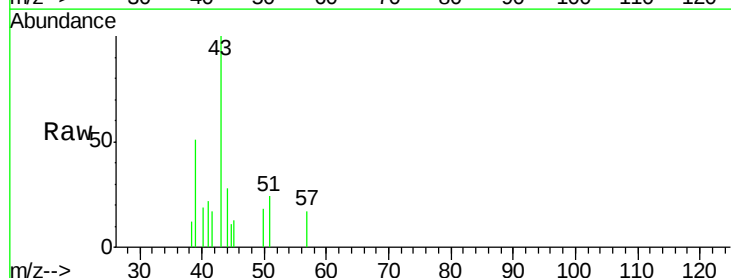
Instrument :
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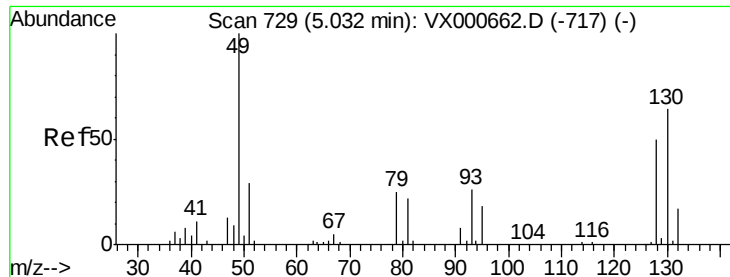
Tgt Ion: 84 Resp: 211750
Ion Ratio Lower Upper
84 100
49 135.3 112.1 168.1
51 41.8 35.4 53.0
86 62.7 48.7 73.1



#25
2-Butanone
Concen: 0.92 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#





#28

Bromochloromethane

Concen: 0.80 ug/l

RT: 5.06 min Scan# 733

Delta R.T. 0.02 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

SP-1-B

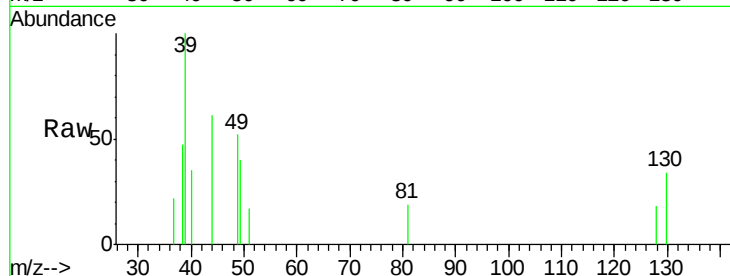
Tgt Ion: 49 Resp: 662

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

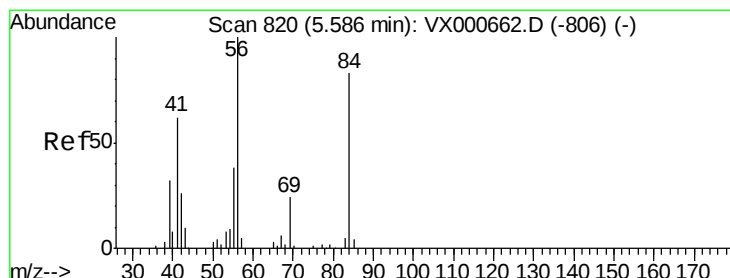
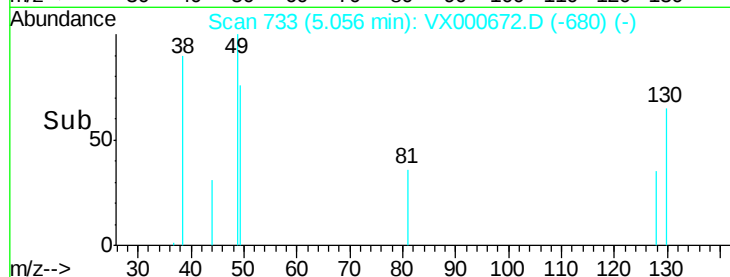
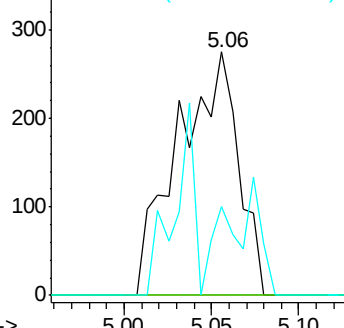
130 4.8 53.8 80.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 2.01 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

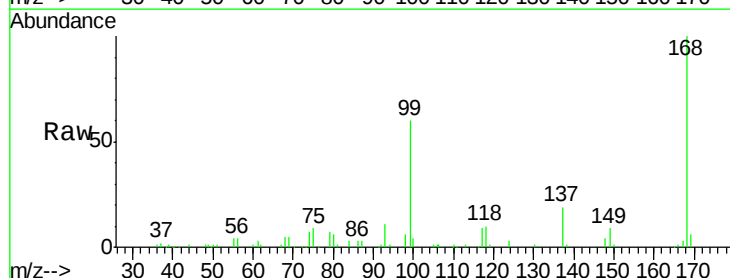
Tgt Ion: 56 Resp: 2894

Ion Ratio Lower Upper

56 100

69 109.0 19.4 29.0#

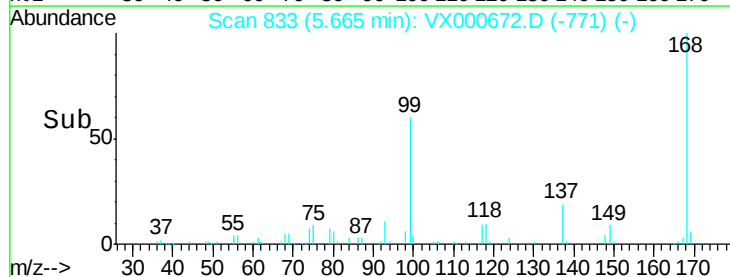
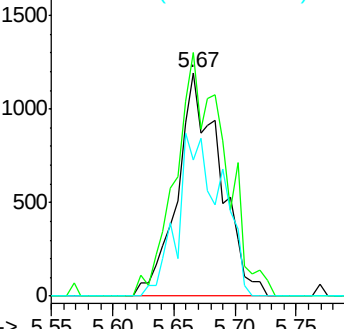
84 60.9 66.8 100.2#

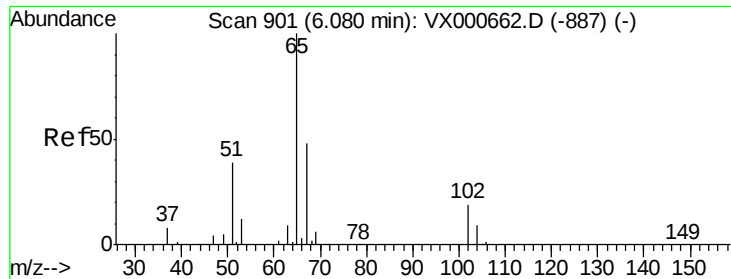


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

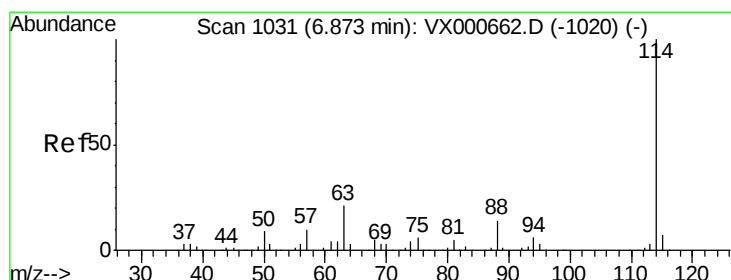
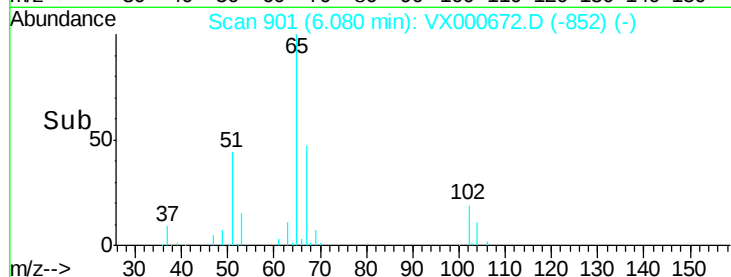
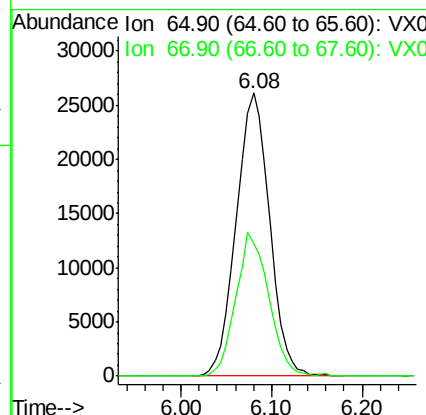
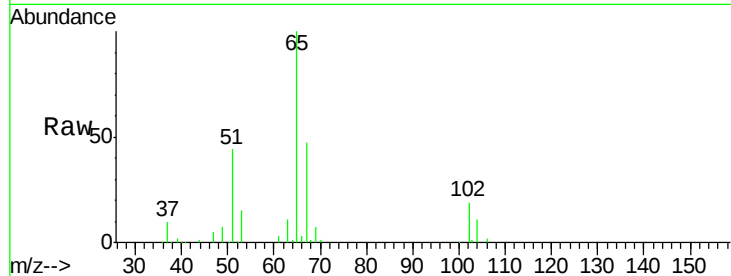




#33
 1,2-Dichloroethane-d4
 Concen: 45.87 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000672.D
 Acq: 04 Apr 2018 22:08

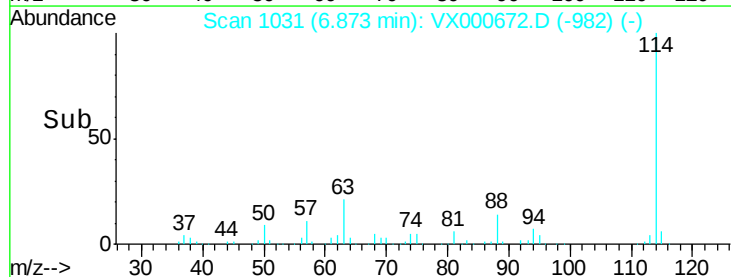
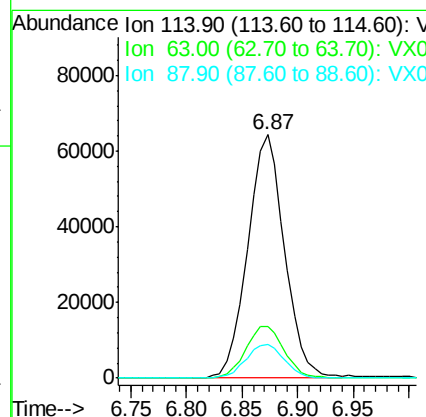
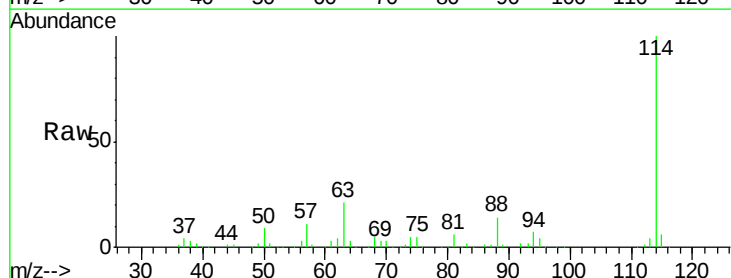
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-1-B

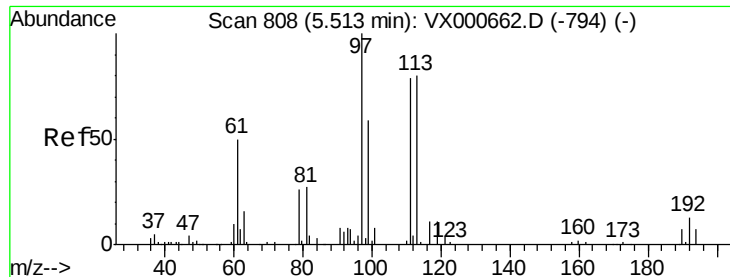
Tgt Ion: 65 Resp: 66850
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000672.D
 Acq: 04 Apr 2018 22:08

Tgt Ion: 114 Resp: 147999
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 13.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 47.89 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

SP-1-B

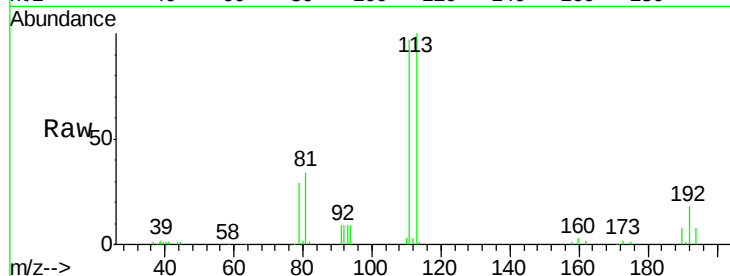
Tgt Ion:113 Resp: 48383

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

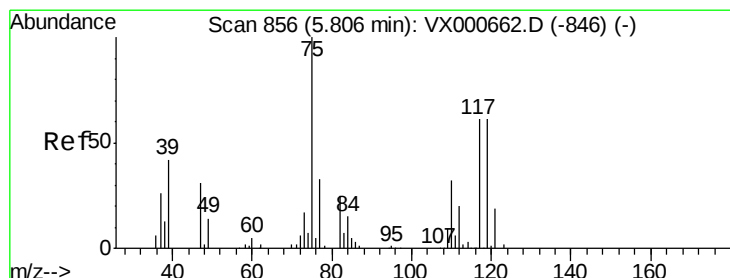
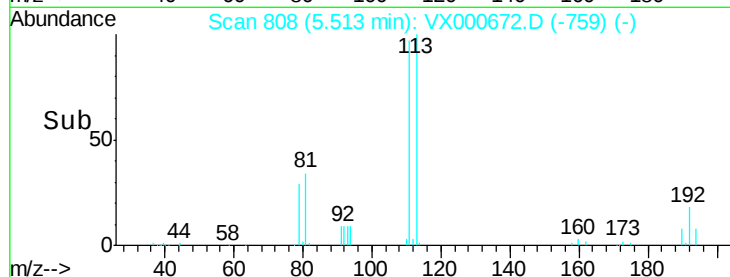
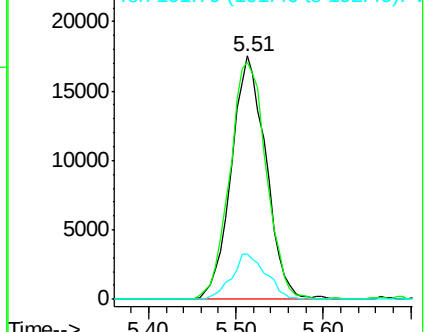
192 18.5 14.3 21.5



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: 5.54 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

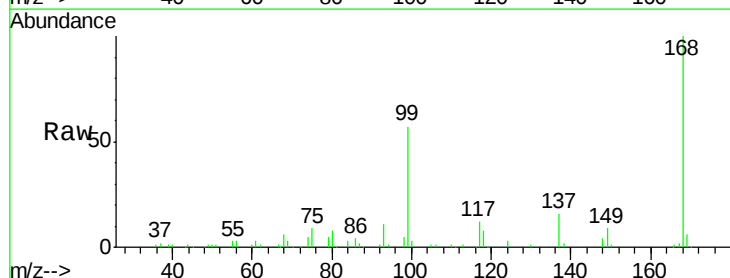
Tgt Ion: 75 Resp: 7601

Ion Ratio Lower Upper

75 100

110 7.8 16.3 48.9#

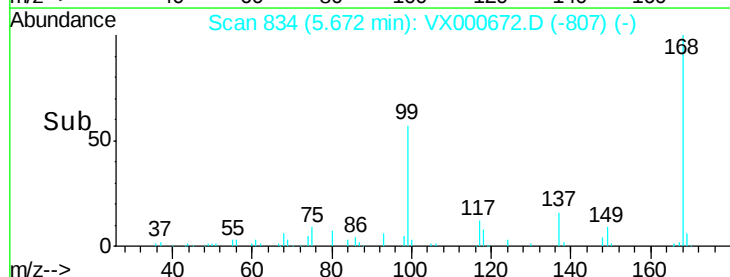
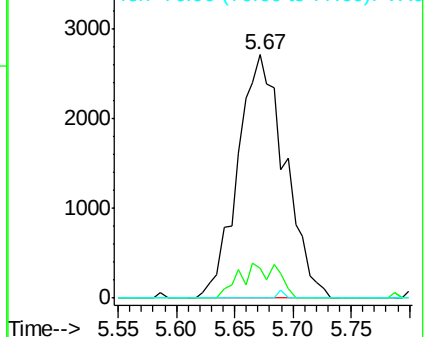
77 0.0 24.3 36.5#

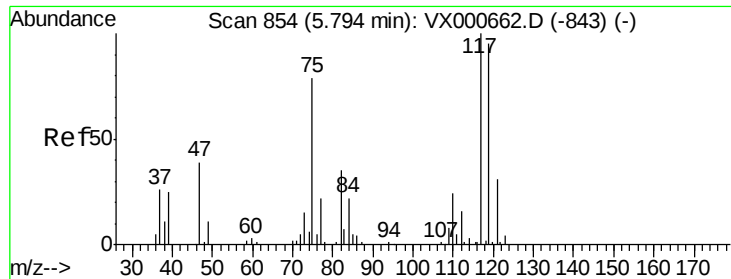


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.96 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

SP-1-B

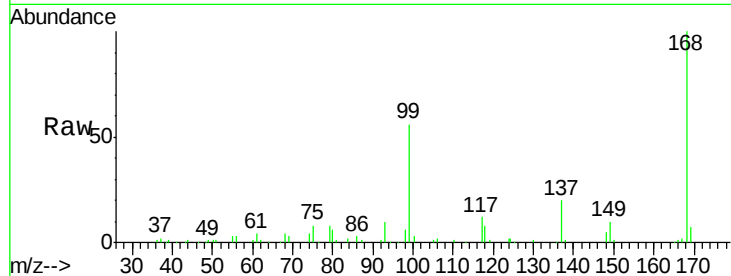
Tgt Ion:117 Resp: 9194

Ion Ratio Lower Upper

117 100

119 9.6 76.1 114.1#

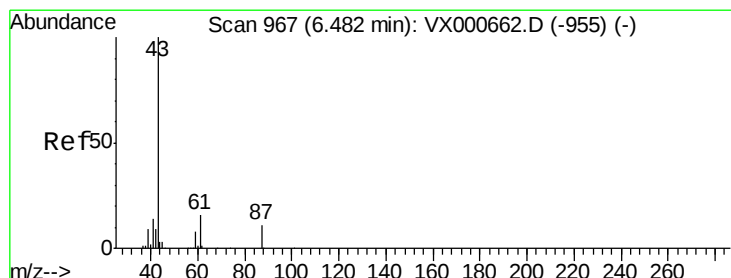
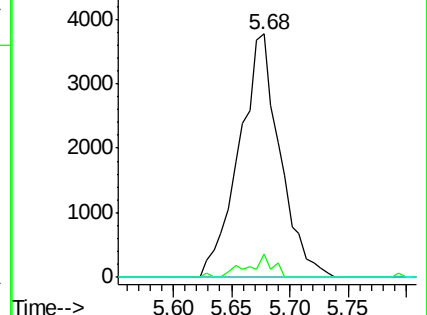
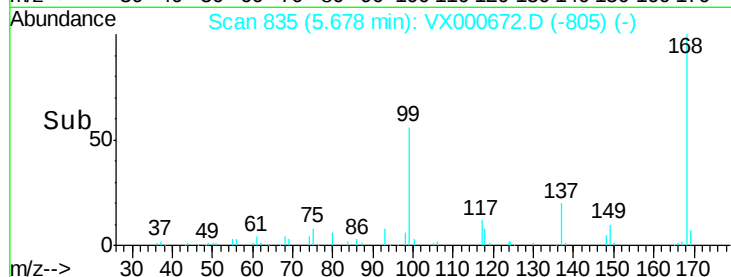
121 0.0 24.8 37.2#



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: VX000672.D

Acq: 04 Apr 2018 22:08

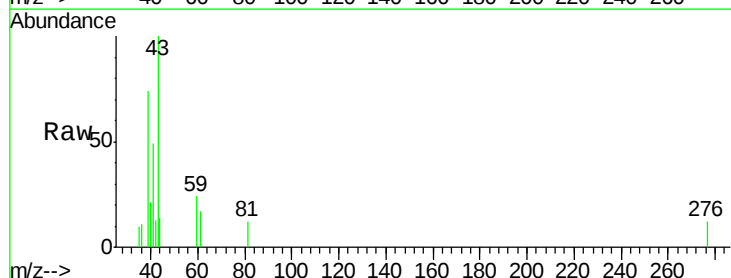
Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

61 4.1 13.4 20.2#

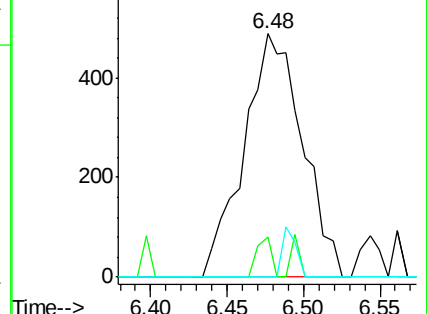
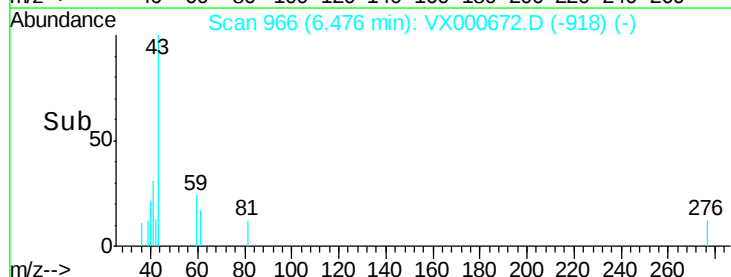
87 0.0 9.4 14.0#

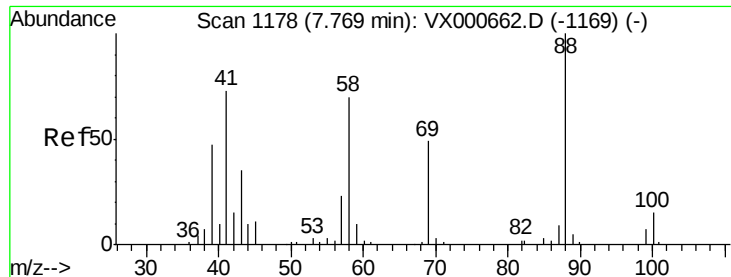


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

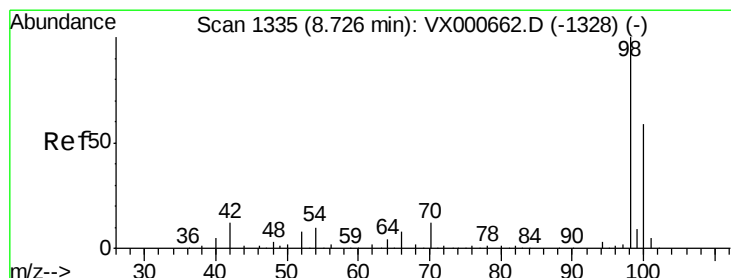
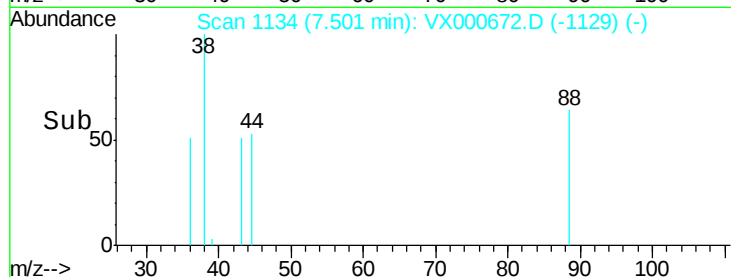
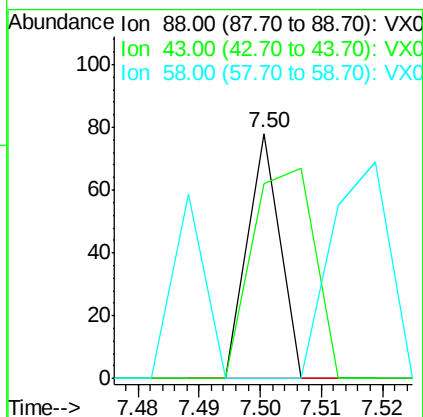
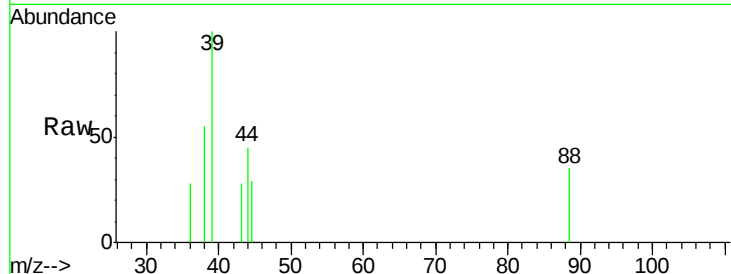




#49
1,4-Dioxane
Concen: 0.88 ug/l
RT: 7.50 min Scan# 1134
Delta R.T. -0.27 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

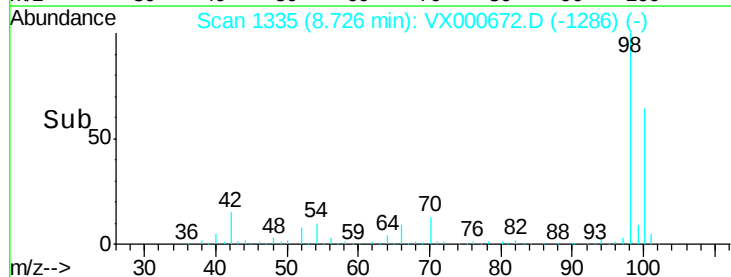
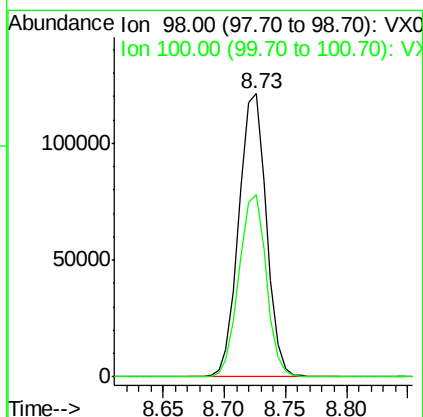
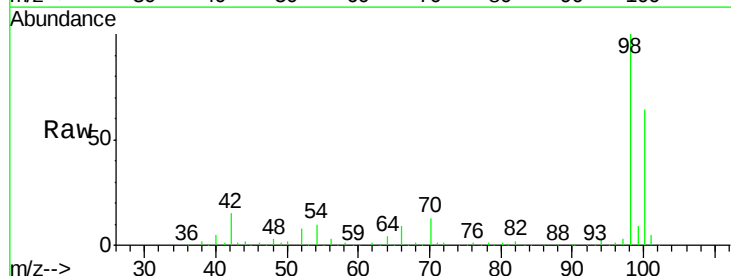
Instrument :
MSVOA_X
ClientSampled :
SP-1-B

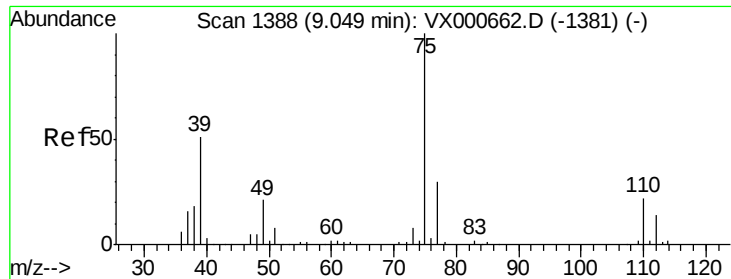
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 75.9 53.4 80.0



#50
Toluene-d8
Concen: 44.19 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

Tgt Ion: 98 Resp: 189822
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6

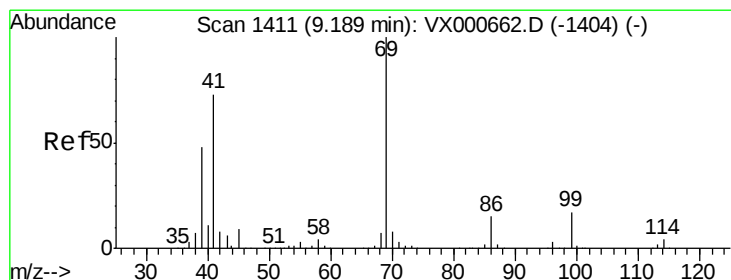
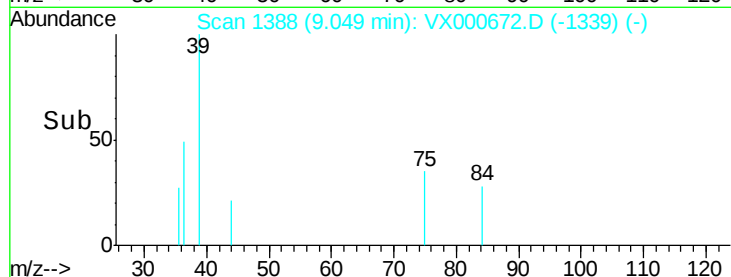
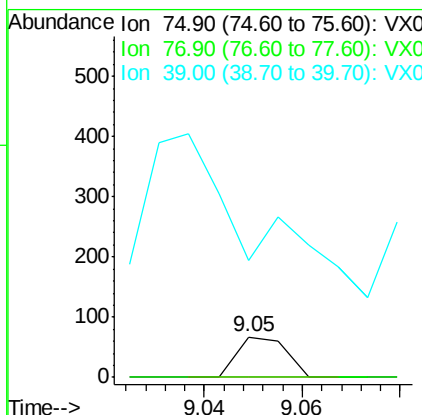
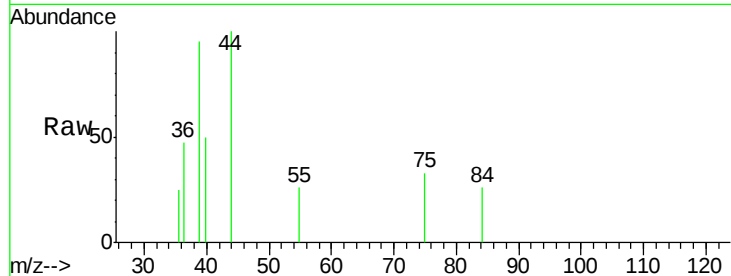




#54
 cis-1,3-Dichloropropene
 Concen: 4.19 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000672.D
 Acq: 04 Apr 2018 22:08

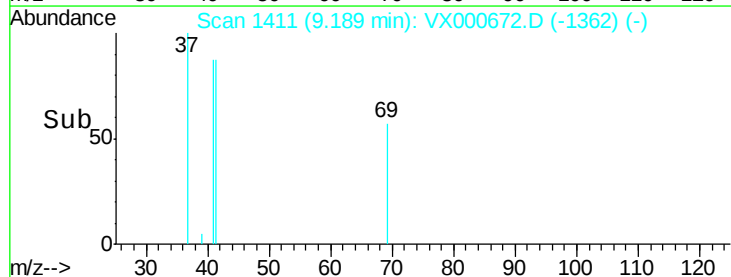
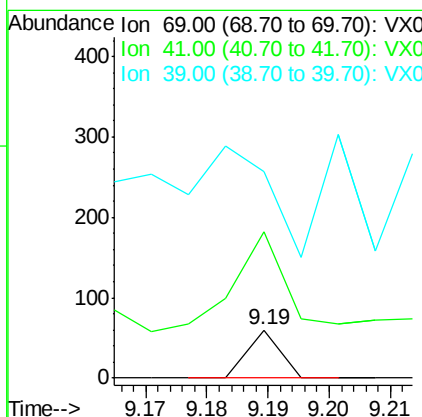
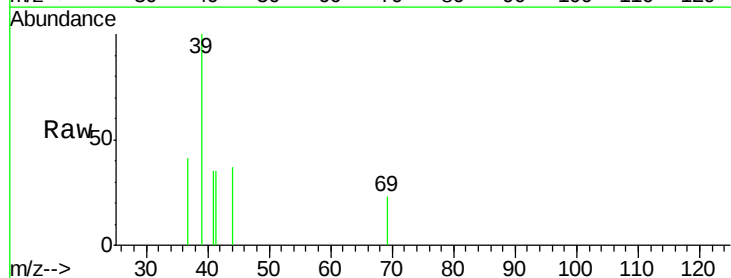
Instrument :
 MSVOA_X
 ClientSampled :
 SP-1-B

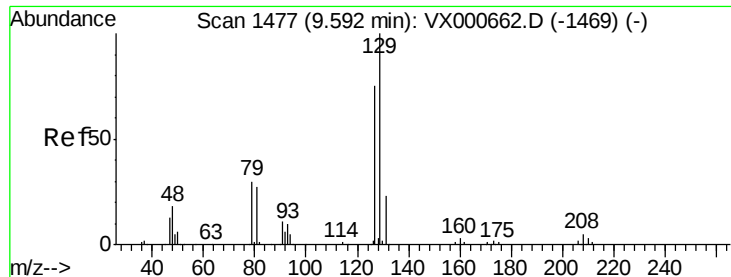
Tgt Ion: 75 Resp: 46
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.1 36.1#
 39 0.0 40.7 61.1#



#56
 Ethyl methacrylate
 Concen: 4.33 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000672.D
 Acq: 04 Apr 2018 22:08

Tgt Ion: 69 Resp: 22
 Ion Ratio Lower Upper
 69 100
 41 340.9 56.5 84.7#
 39 1781.8 39.8 59.8#





#60

Dibromochloromethane

Concen: 4.67 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

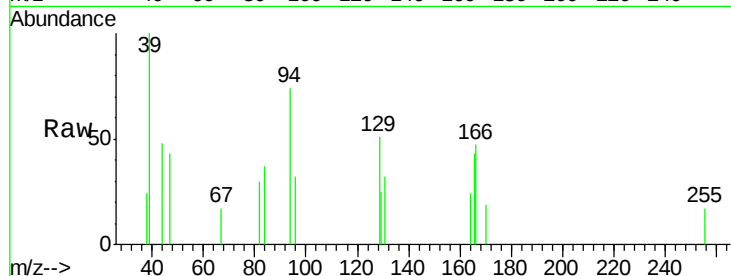
SP-1-B

Tgt Ion:129 Resp: 251

Ion Ratio Lower Upper

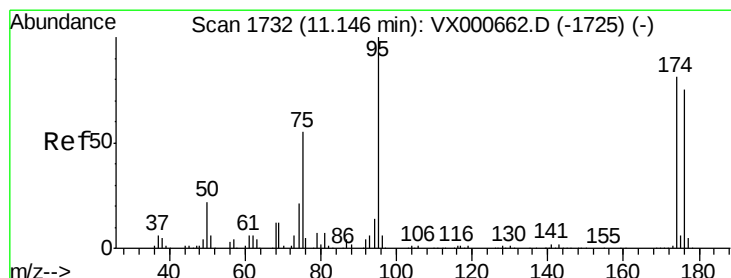
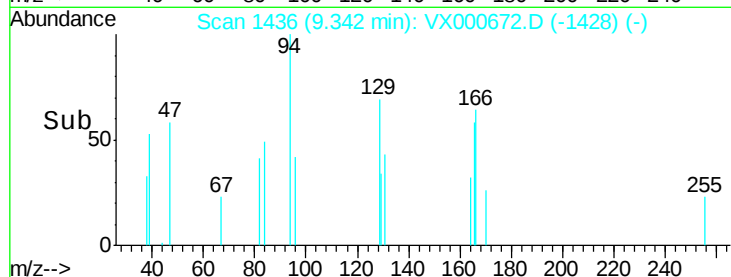
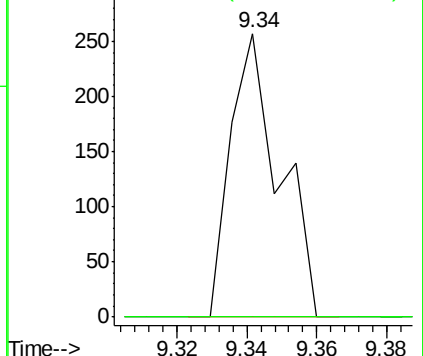
129 100

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: 39.62 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

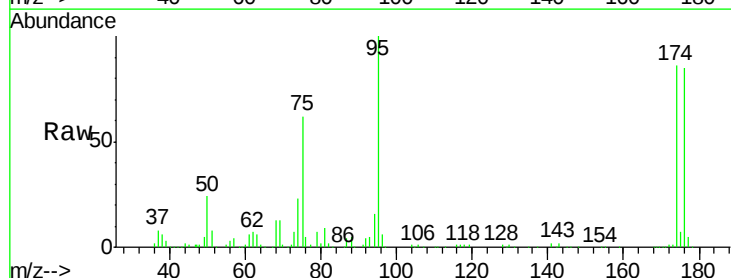
Tgt Ion: 95 Resp: 67368

Ion Ratio Lower Upper

95 100

174 83.7 0.0 156.8

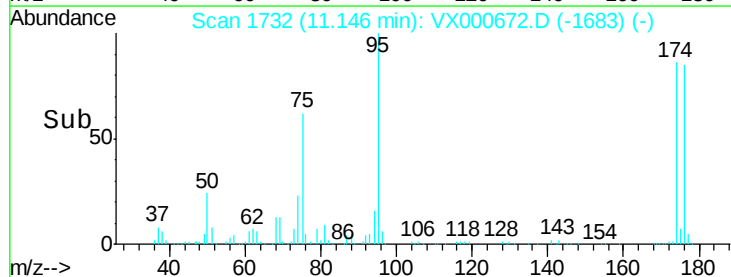
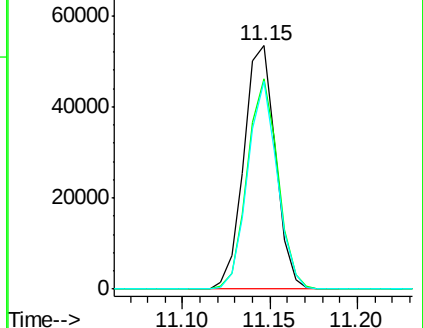
176 79.8 0.0 150.6

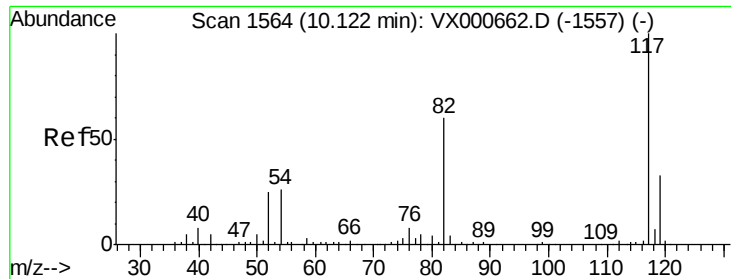


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

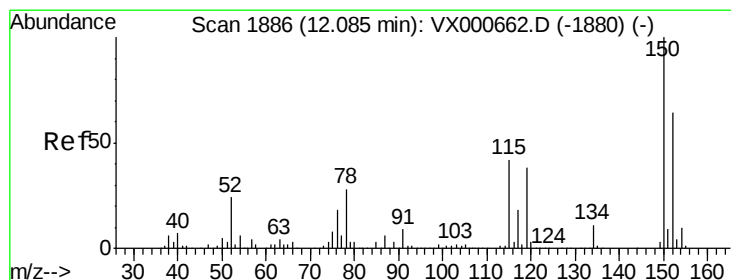
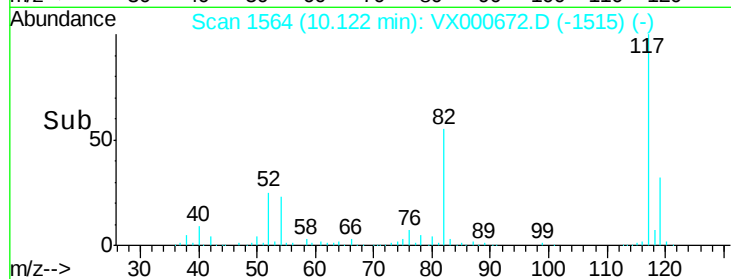
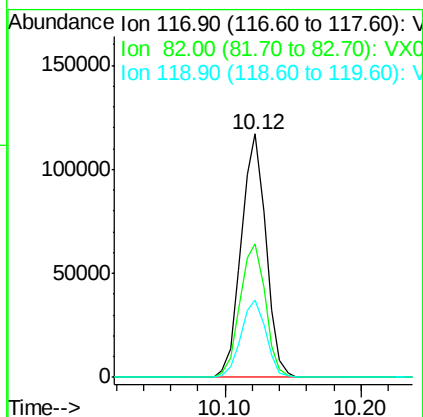
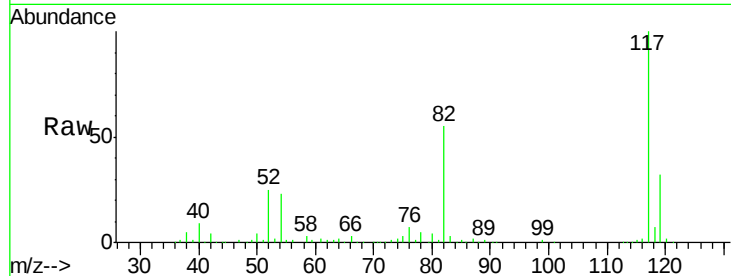




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

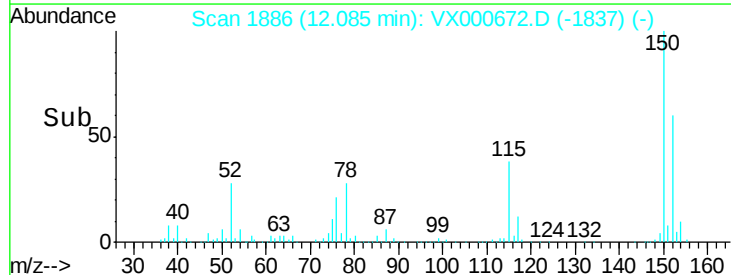
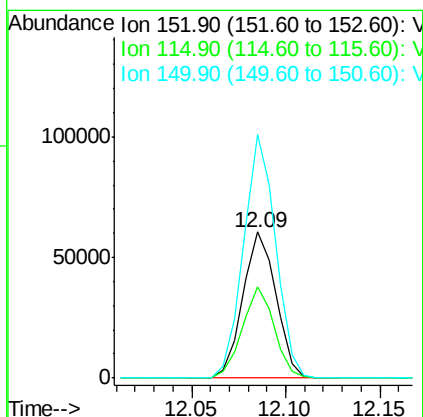
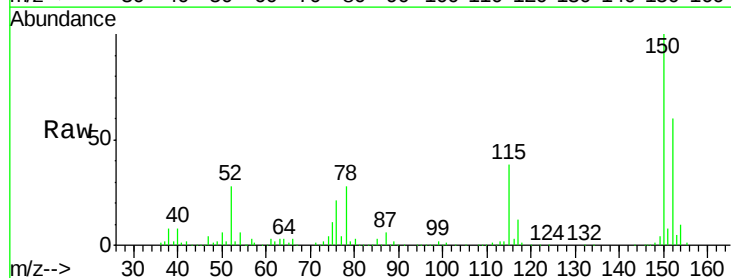
Instrument :
MSVOA_X
ClientSampled :
SP-1-B

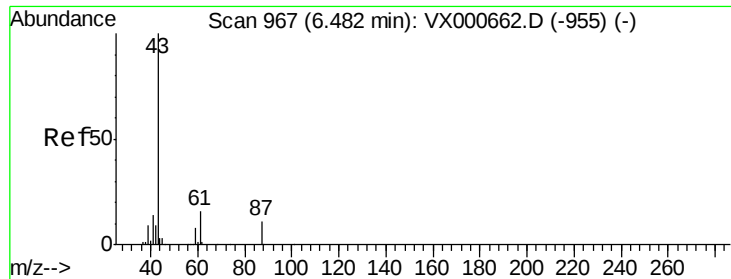
Tgt Ion:117 Resp: 148584
Ion Ratio Lower Upper
117 100
82 54.9 48.3 72.5
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000672.D
Acq: 04 Apr 2018 22:08

Tgt Ion:152 Resp: 74351
Ion Ratio Lower Upper
152 100
115 59.8 41.9 125.8
150 160.4 0.0 348.0





#74

N-ethyl acetate

Concen: 0.54 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampled :

SP-1-B

Tgt Ion: 43 Resp: 1303

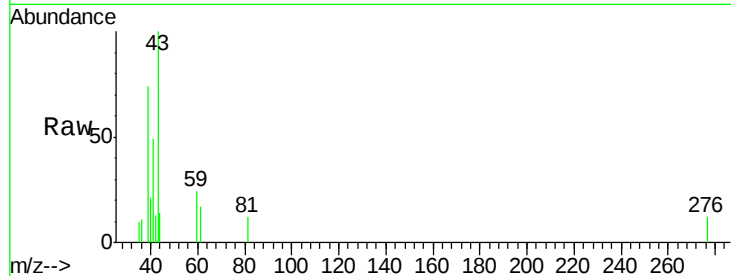
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 4.1 13.4 20.2#

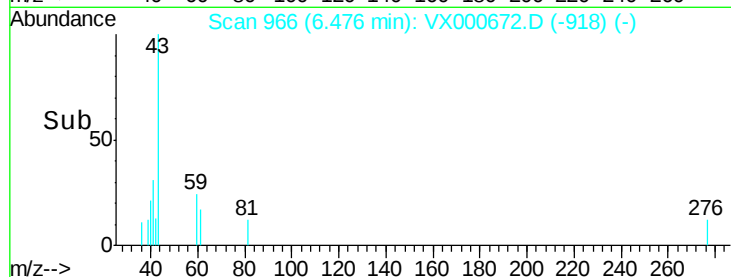
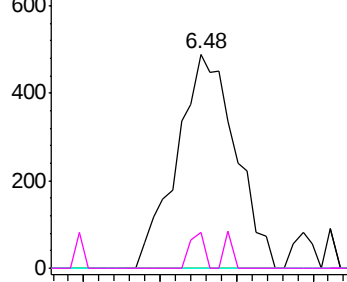


Abundance Ion 43.00 (42.70 to 43.70): VX0

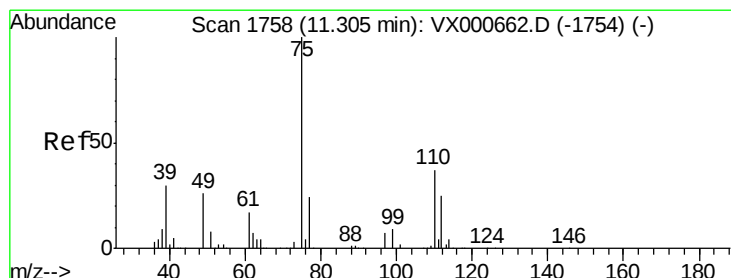
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.60 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000672.D

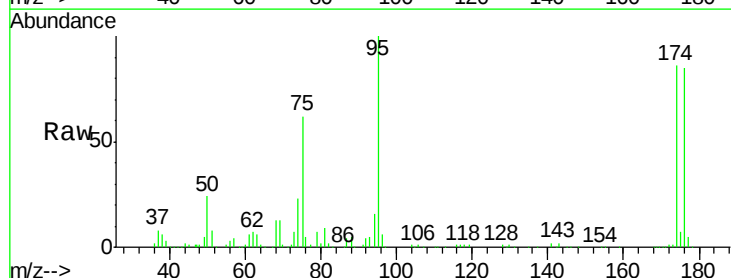
Acq: 04 Apr 2018 22:08

Tgt Ion: 75 Resp: 41514

Ion Ratio Lower Upper

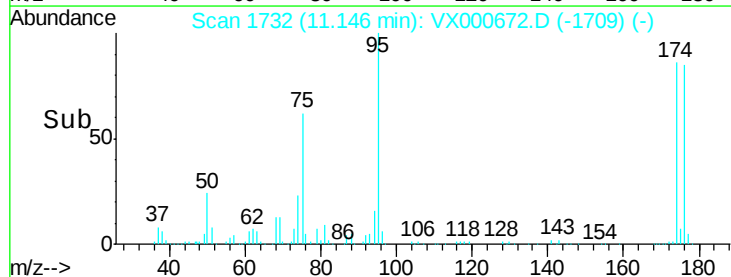
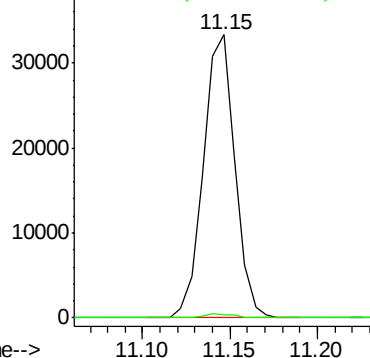
75 100

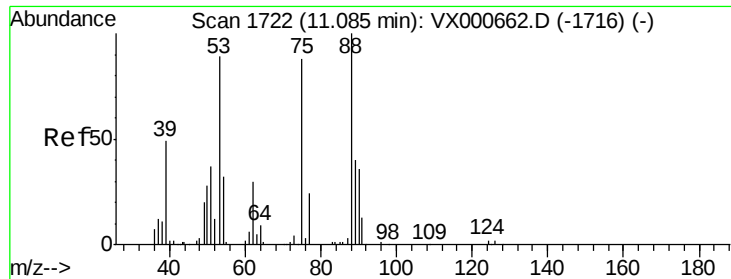
77 1.3 20.2 60.6#



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: 91.80 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

Instrument :

MSVOA_X

ClientSampleId :

SP-1-B

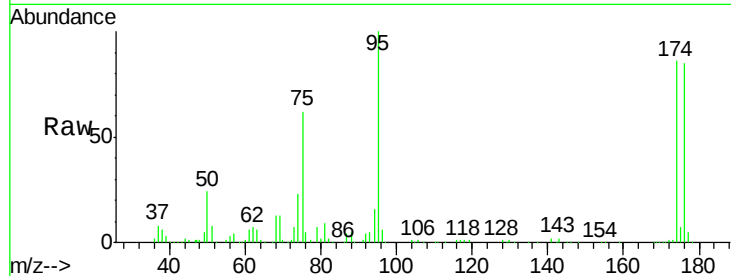
Tgt Ion: 75 Resp: 41514

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

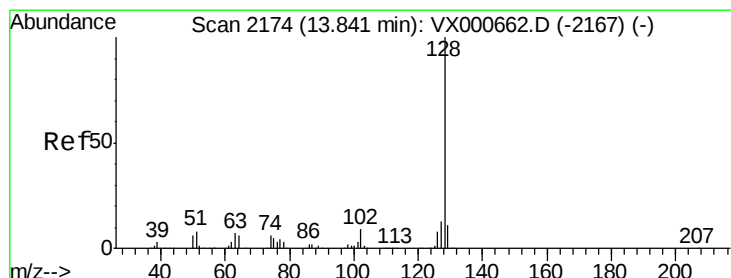
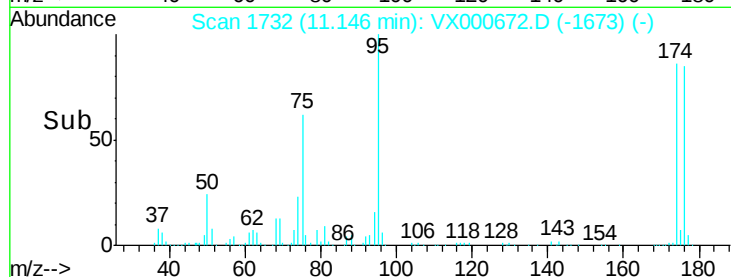
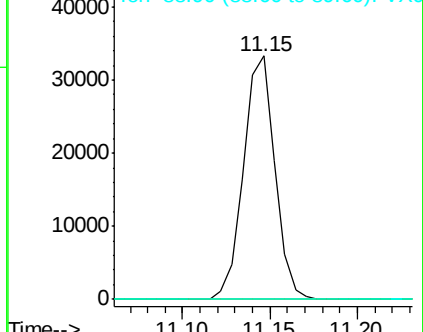
89 0.0 36.3 54.5#



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: 2.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000672.D

Acq: 04 Apr 2018 22:08

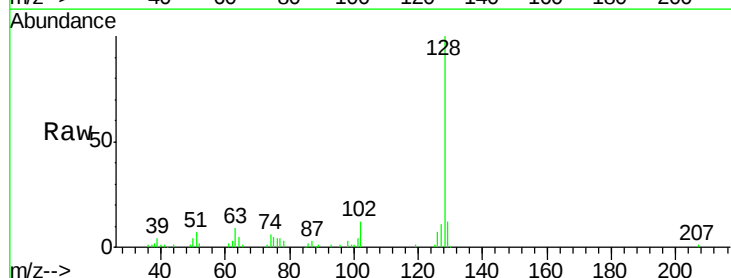
Tgt Ion: 128 Resp: 15608

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

129 11.5 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

