

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000861.D
 Acq On : 13 Apr 2018 20:17
 Operator : JC/MD
 Sample : J2357-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR2520258

Quant Time: Apr 14 05:16:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	327245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209588	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	144592	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	5.52	113	116662	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.73	98	456254	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.15	95	182685	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

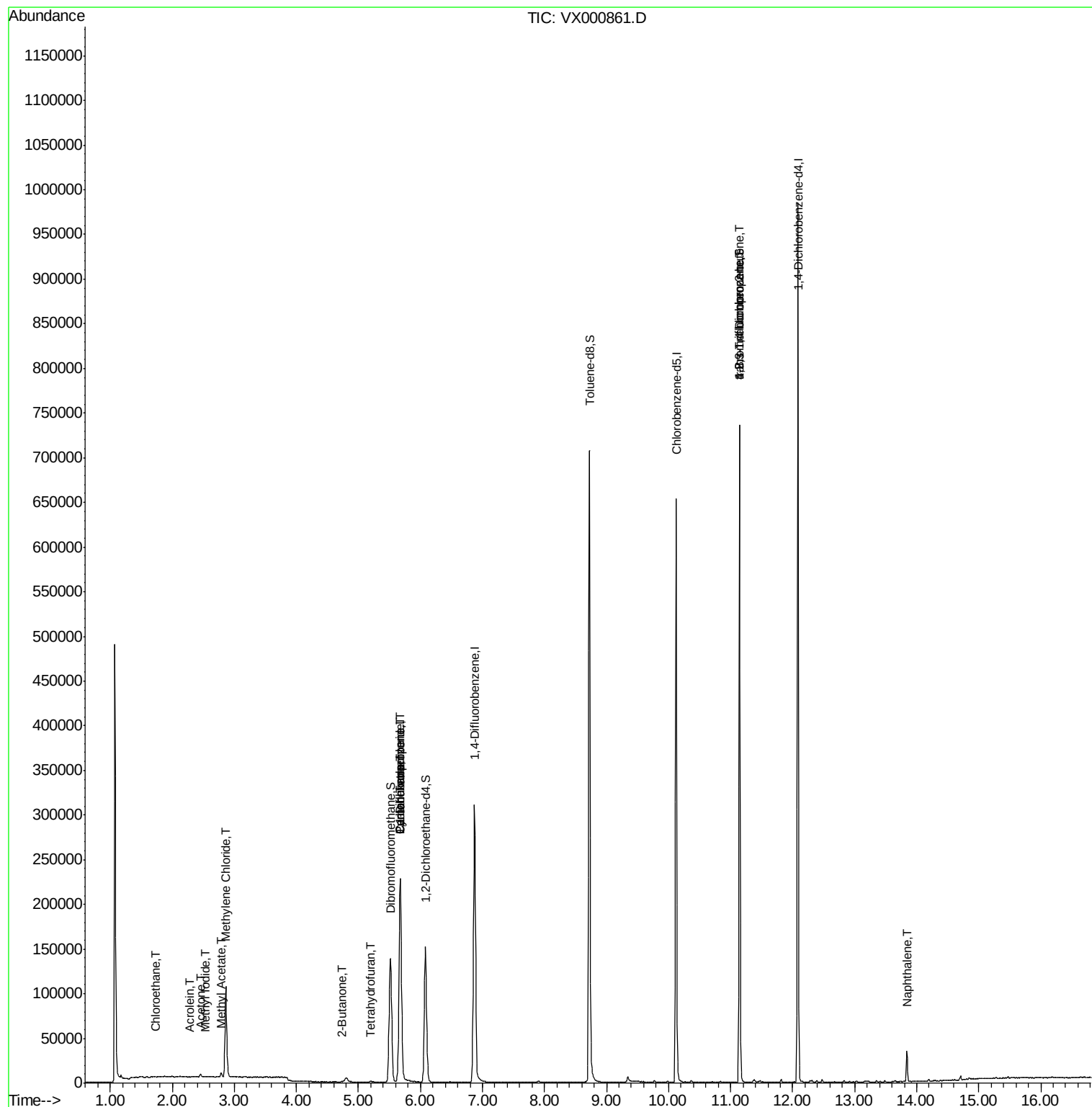
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	438	Below Cal	#	70
6) Chloroethane	1.74	64	520	0.32	ug/l #	75
10) Methyl Iodide	2.53	142	103	8.28	ug/l #	48
13) Acrolein	2.28	56	253	0.94	ug/l #	59
16) Acetone	2.45	43	3664	3.41	ug/l	99
18) Methyl Acetate	2.78	43	5248	1.89	ug/l	99
20) Methylene Chloride	2.86	84	49891	19.99	ug/l	97
25) 2-Butanone	4.73	43	868	0.49	ug/l	94
29) Tetrahydrofuran	5.20	42	1019	0.91	ug/l #	71
31) Cyclohexane	5.67	56	3728	0.91	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14678	4.07	ug/l #	49
38) Carbon Tetrachloride	5.68	117	20942	5.19	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	88413	24.46	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	88413	67.28	ug/l #	11
95) Naphthalene	13.84	128	21133	1.39	ug/l	99

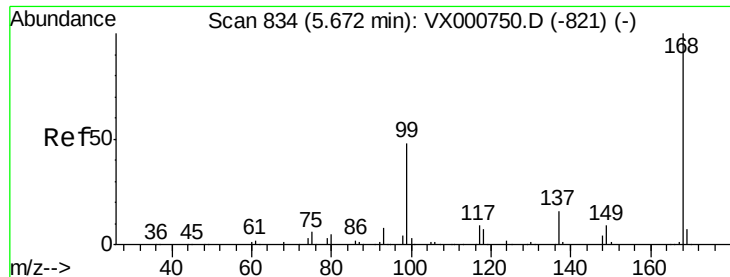
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

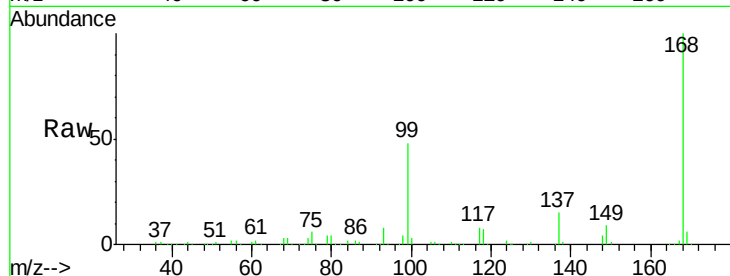
RBR2520258

Tgt Ion:168 Resp: 246841

Ion Ratio Lower Upper

168 100

99 48.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

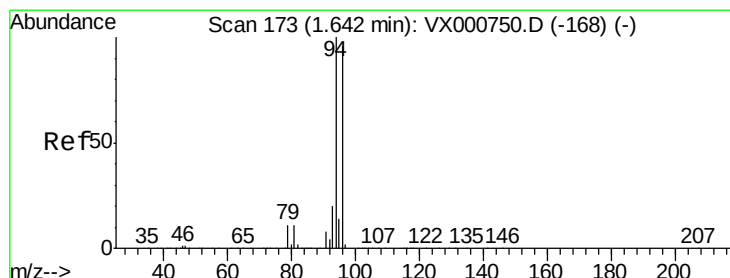
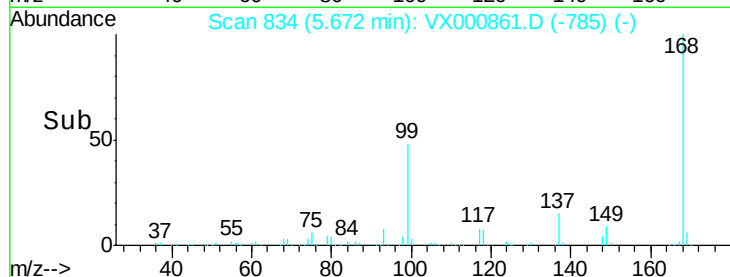
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000861.D

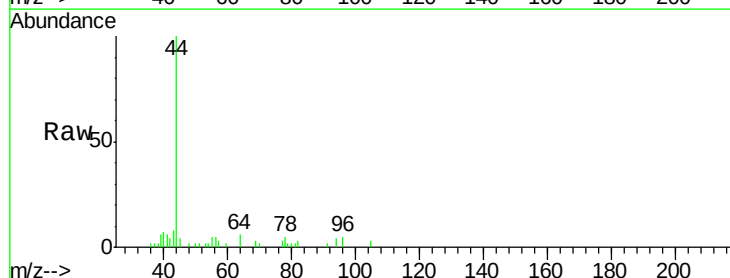
Acq: 13 Apr 2018 20:17

Tgt Ion: 94 Resp: 438

Ion Ratio Lower Upper

94 100

96 125.4 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

150

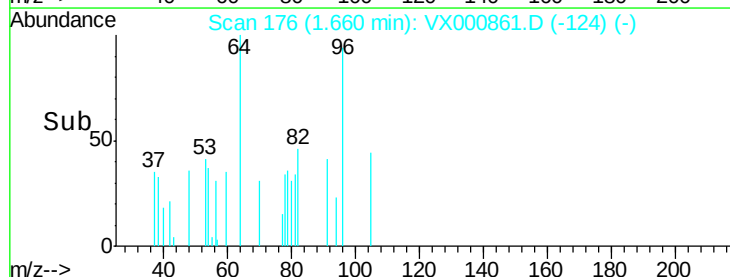
100

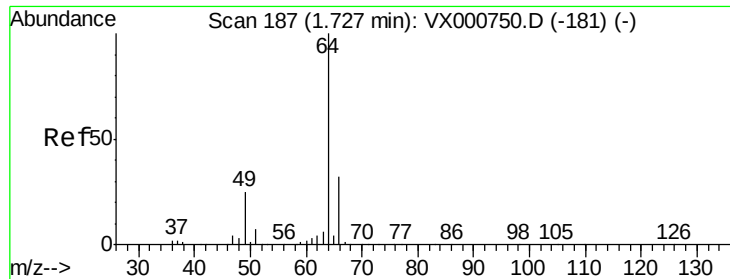
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.32 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

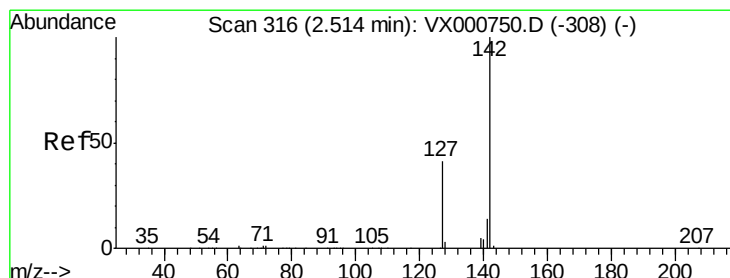
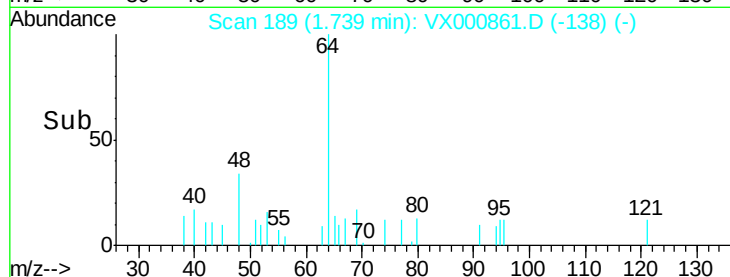
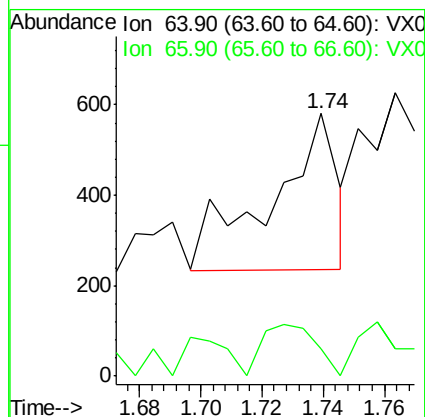
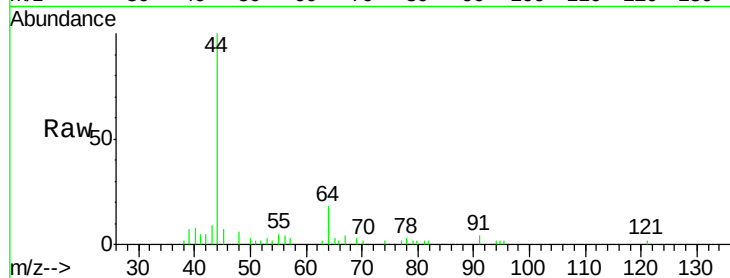
RBR2520258

Tgt Ion: 64 Resp: 520

Ion Ratio Lower Upper

64 100

66 17.6 25.3 37.9#



#10

Methyl Iodide

Concen: 8.28 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

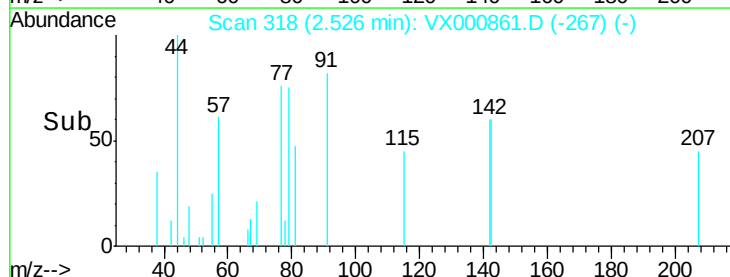
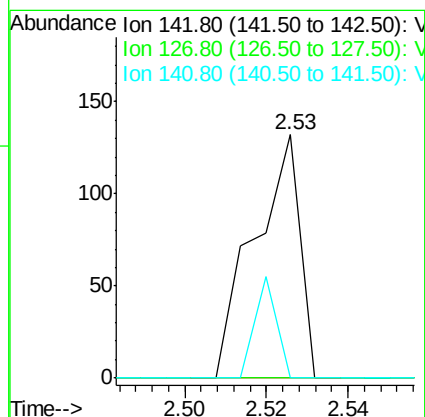
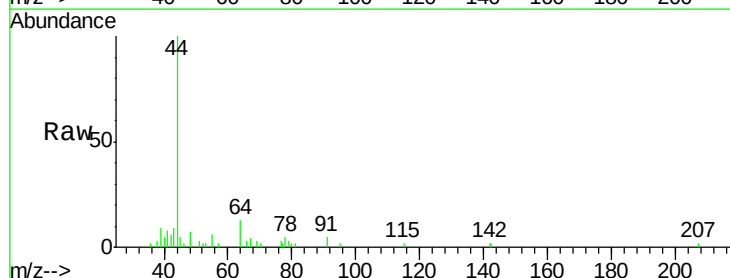
Tgt Ion: 142 Resp: 103

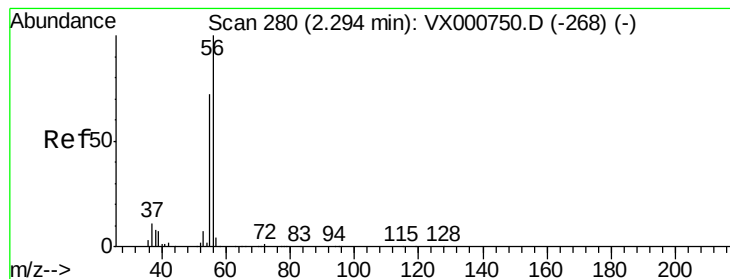
Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 19.4 11.5 17.3#





#13

Acrolein

Concen: 0.94 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

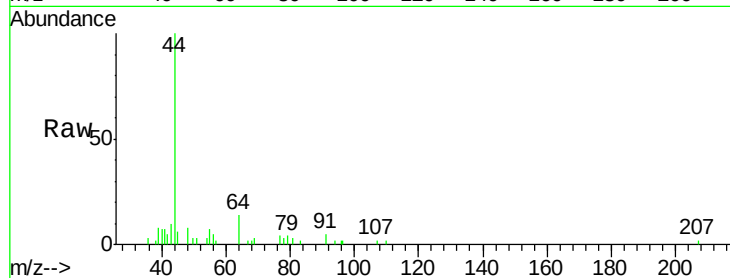
RBR2520258

Tgt Ion: 56 Resp: 253

Ion Ratio Lower Upper

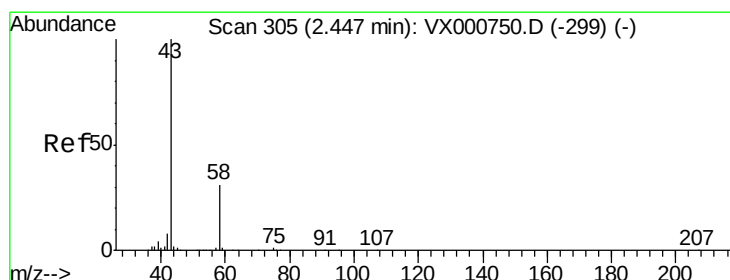
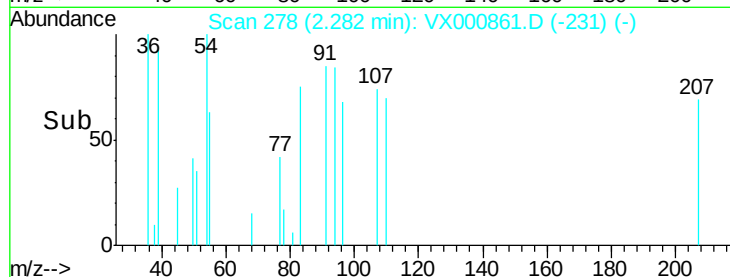
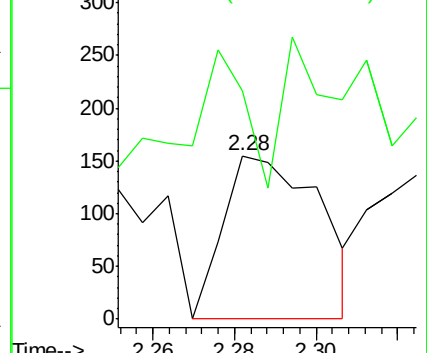
56 100

55 39.1 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000861.D

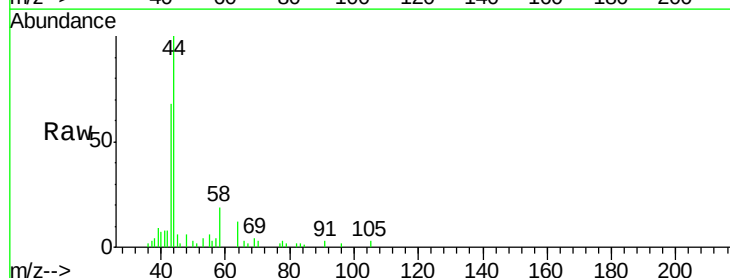
Acq: 13 Apr 2018 20:17

Tgt Ion: 43 Resp: 3664

Ion Ratio Lower Upper

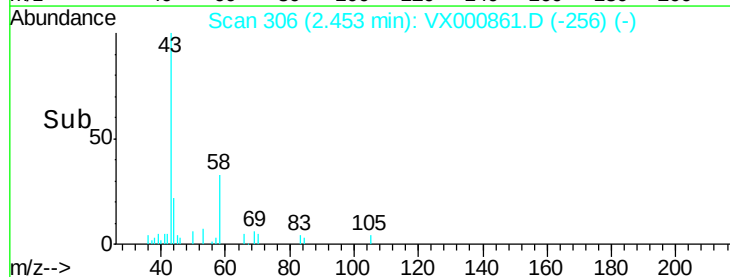
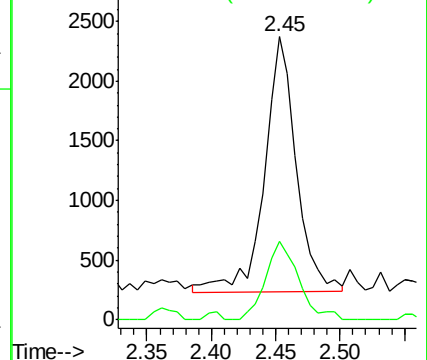
43 100

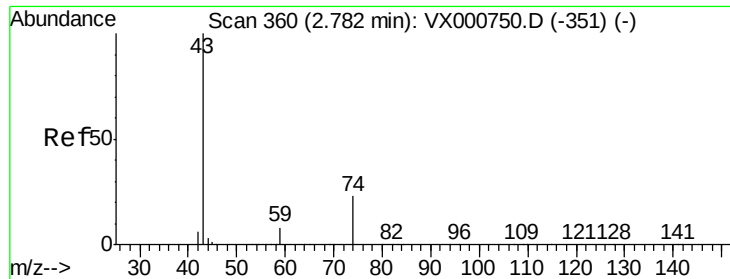
58 31.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

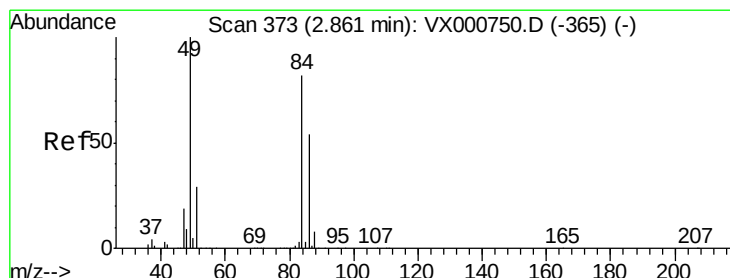
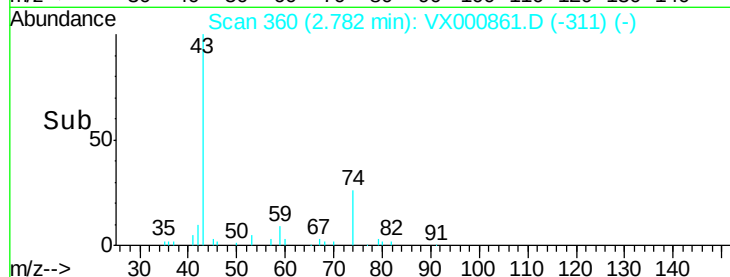
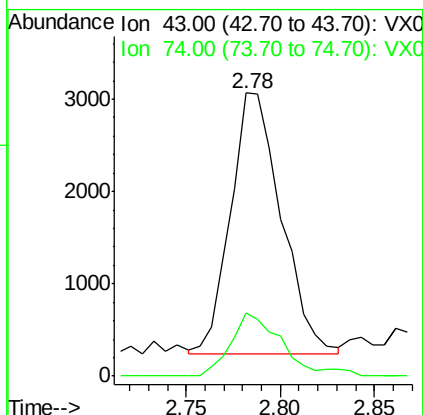
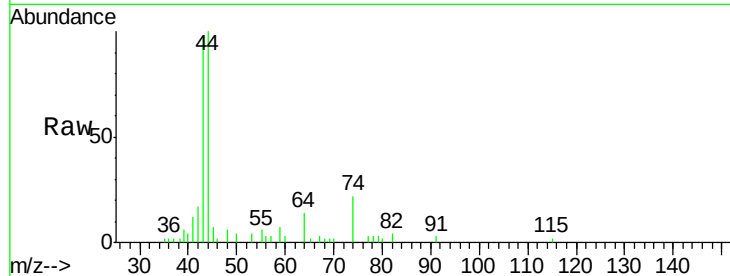




#18
Methyl Acetate
Concen: 1.89 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

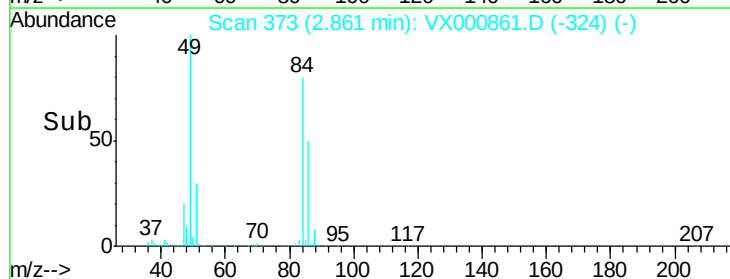
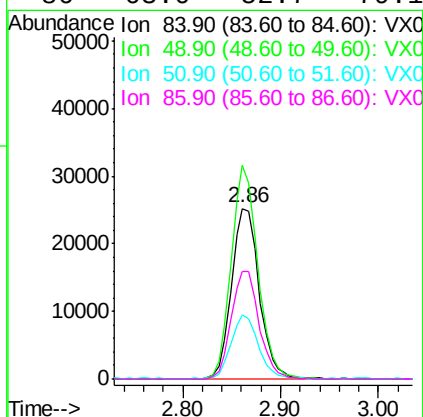
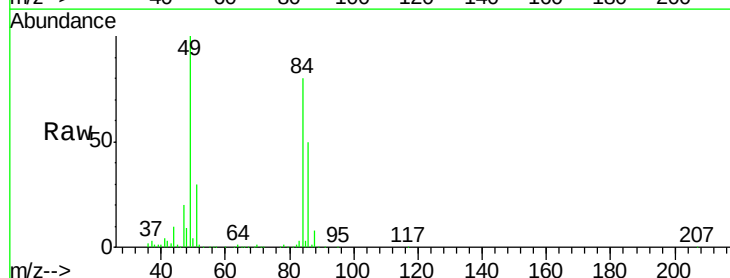
Instrument :
MSVOA_X
ClientSampleId :
RBR2520258

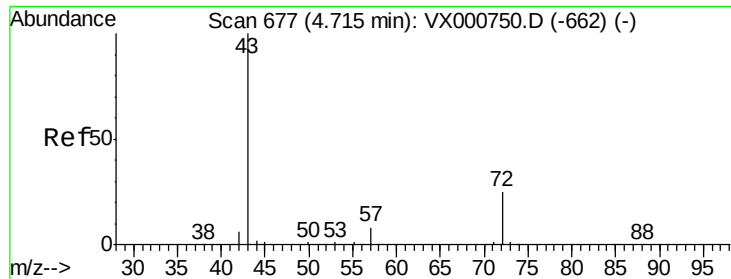
Tgt Ion: 43 Resp: 5248
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7



#20
Methylene Chloride
Concen: 19.99 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

Tgt Ion: 84 Resp: 49891
Ion Ratio Lower Upper
84 100
49 125.4 98.1 147.1
51 37.2 28.9 43.3
86 63.0 52.7 79.1





#25

2-Butanone

Concen: 0.49 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

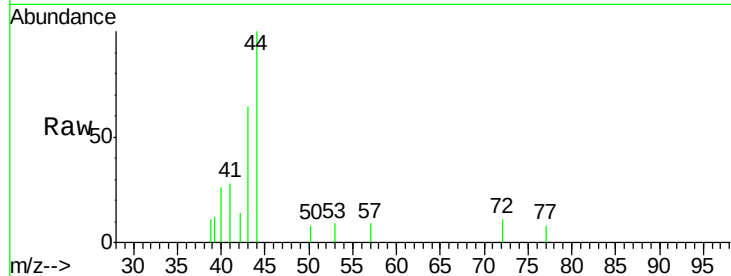
RBR2520258

Tgt Ion: 43 Resp: 868

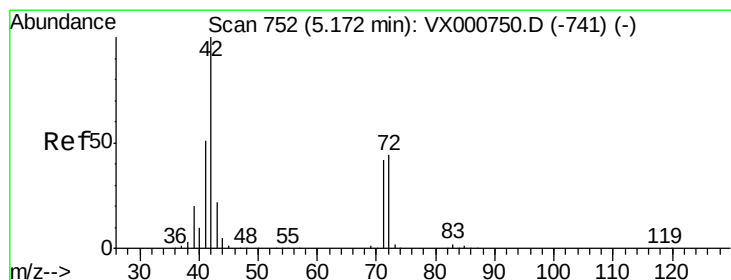
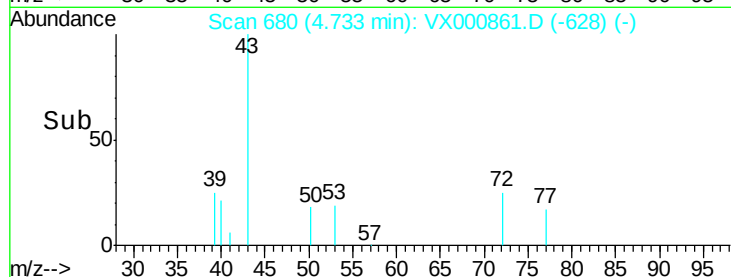
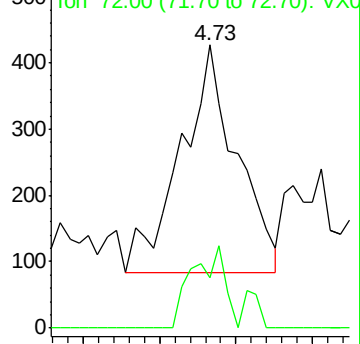
Ion Ratio Lower Upper

43 100

72 22.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.91 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

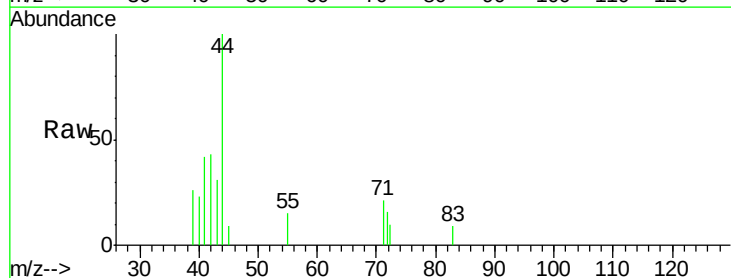
Tgt Ion: 42 Resp: 1019

Ion Ratio Lower Upper

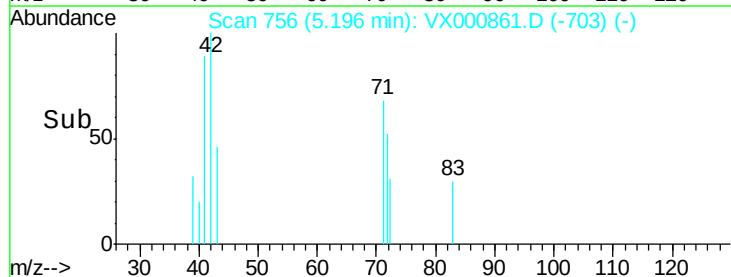
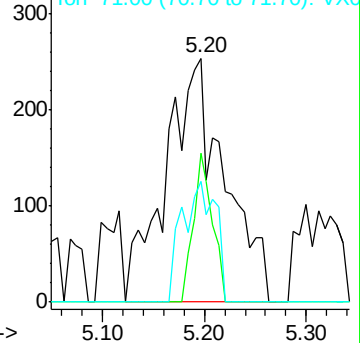
42 100

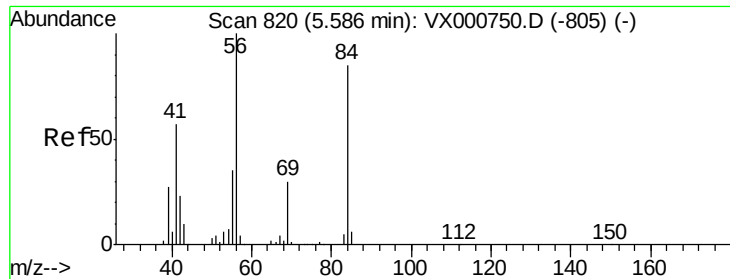
72 19.9 35.1 52.7#

71 27.9 32.8 49.2#



Abundance Ion 42.00 (41.70 to 42.70): VX0

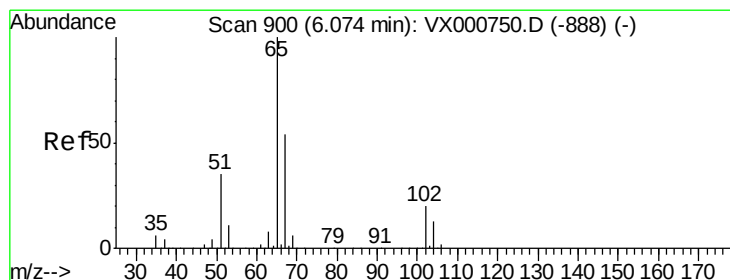
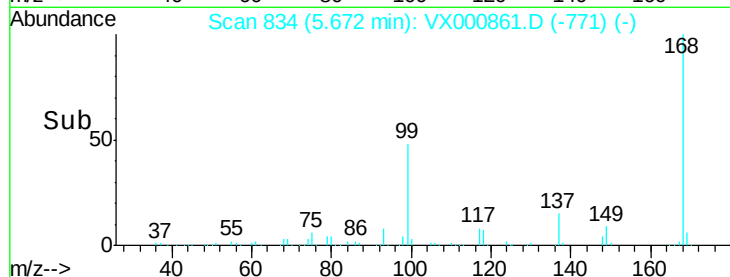
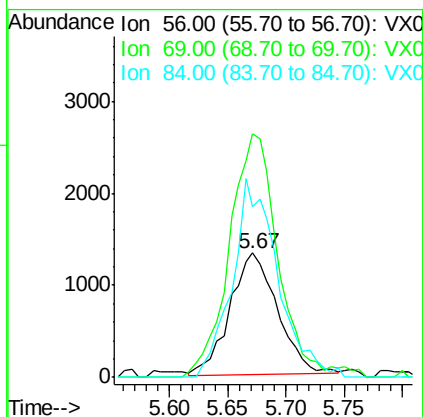
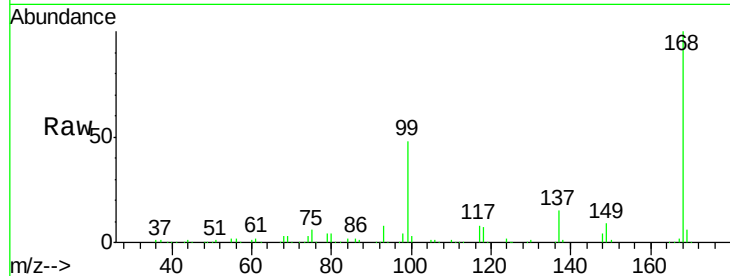




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

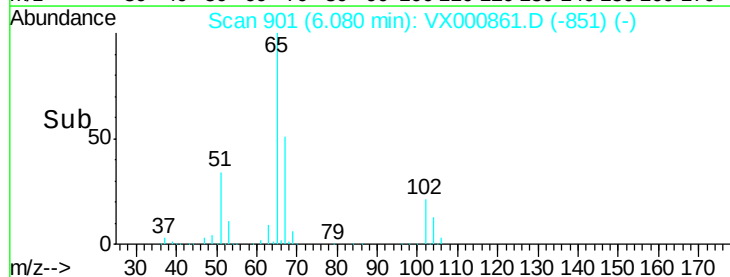
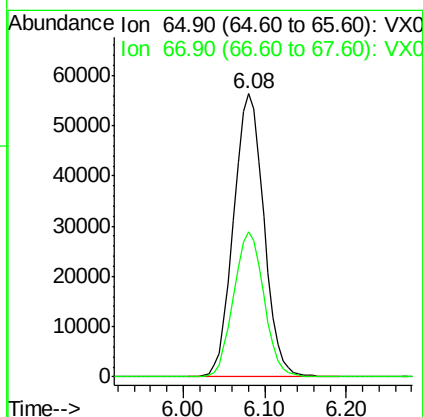
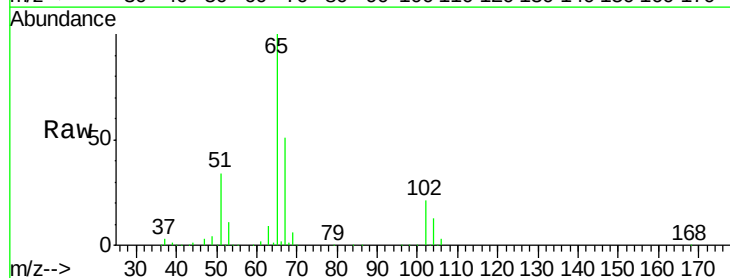
Instrument :
MSVOA_X
ClientSampleId :
RBR2520258

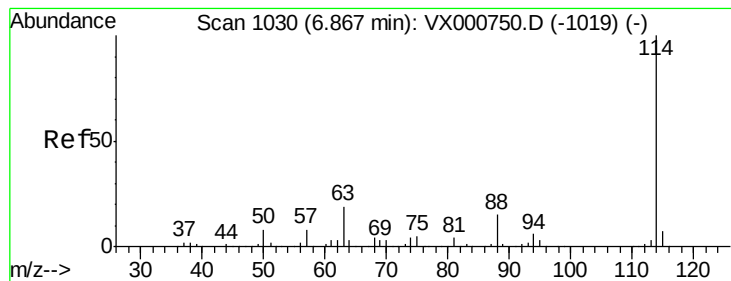
Tgt Ion: 56 Resp: 3728
Ion Ratio Lower Upper
56 100
69 199.8 24.2 36.4#
84 143.4 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.46 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

Tgt Ion: 65 Resp: 144592
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

RBR2520258

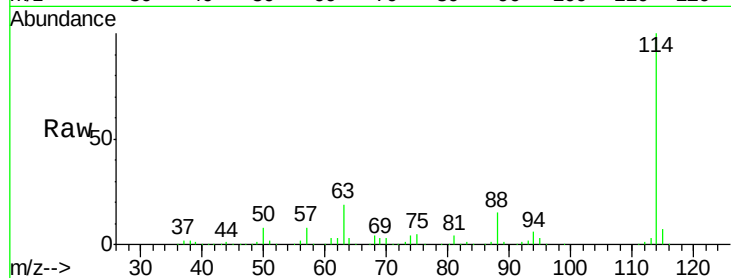
Tgt Ion:114 Resp: 327245

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

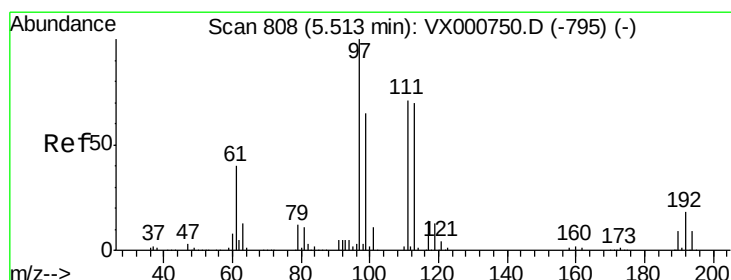
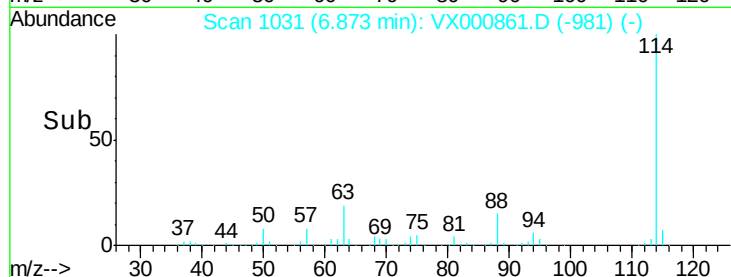
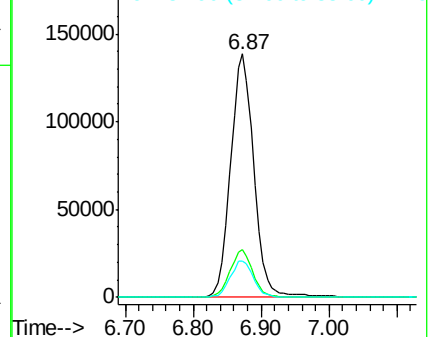
88 15.0 0.0 31.0



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: 46.27 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

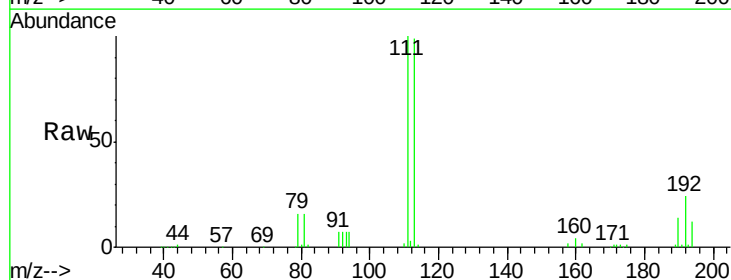
Tgt Ion:113 Resp: 116662

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

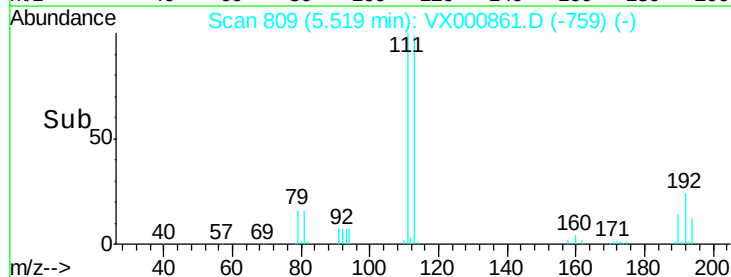
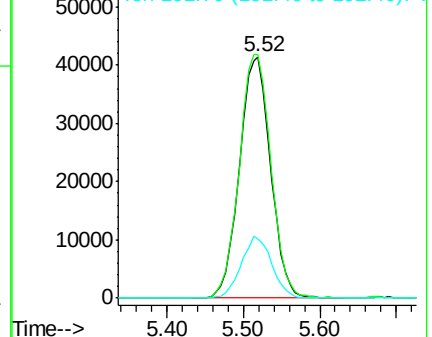
192 25.1 20.4 30.6

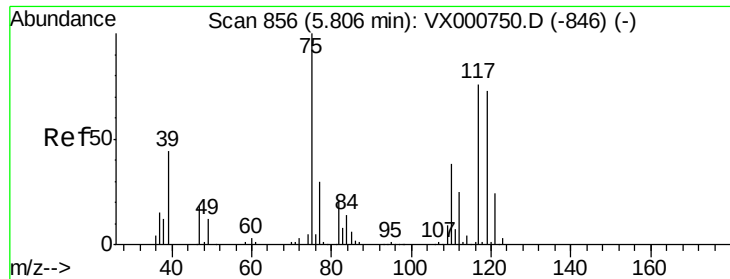


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampled :

RBR2520258

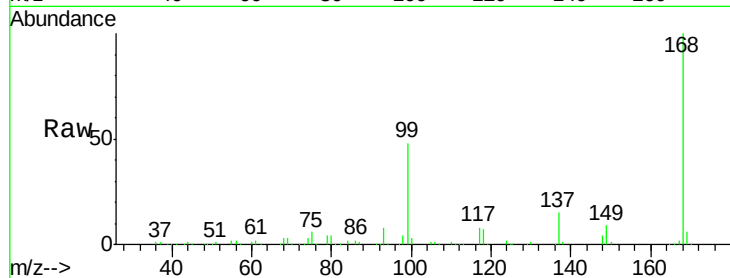
Tgt Ion: 75 Resp: 14678

Ion Ratio Lower Upper

75 100

110 10.4 19.2 57.6#

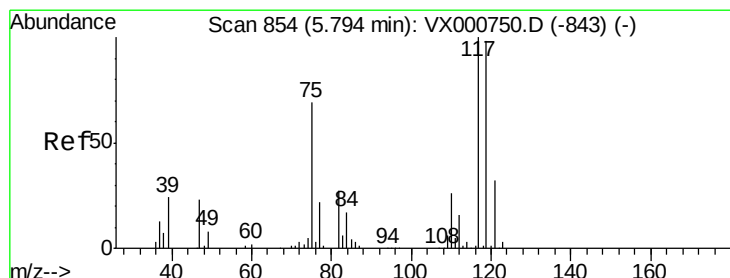
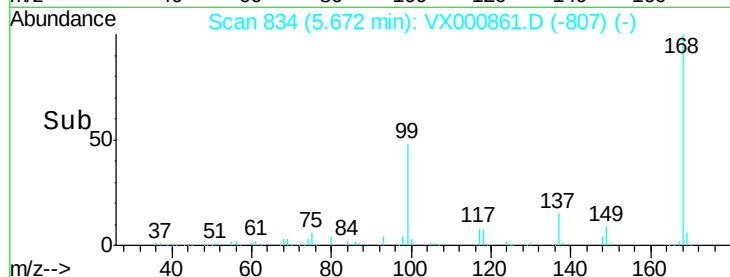
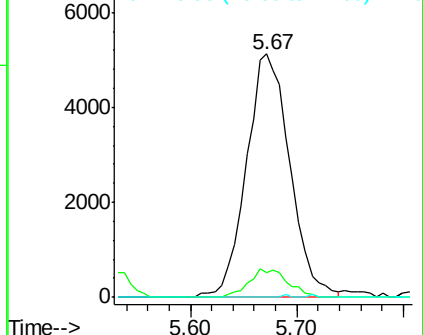
77 0.0 25.4 38.2#



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: 5.19 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

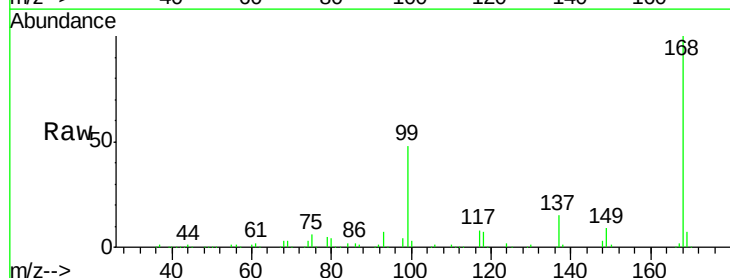
Tgt Ion: 117 Resp: 20942

Ion Ratio Lower Upper

117 100

119 5.0 78.4 117.6#

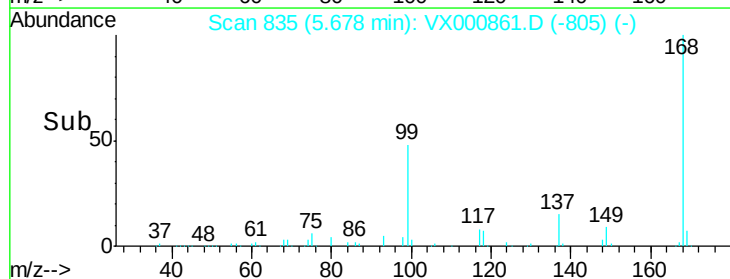
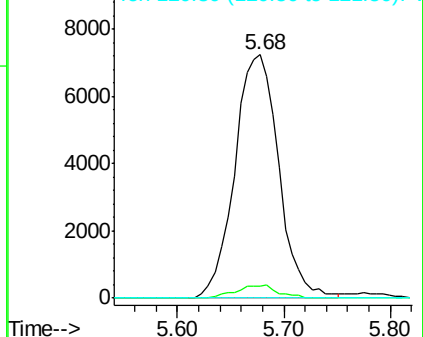
121 0.0 25.4 38.0#

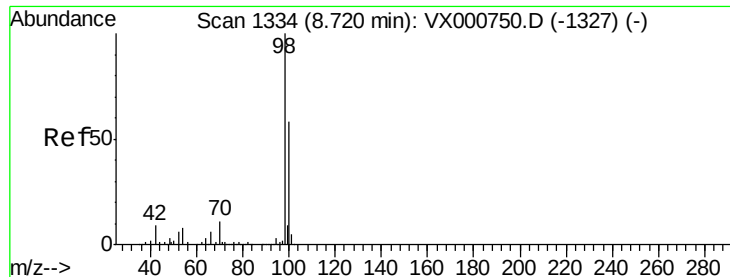


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

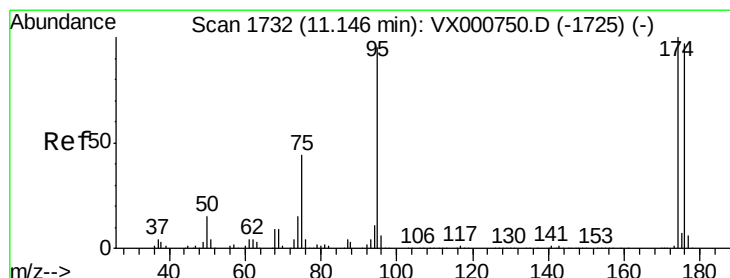
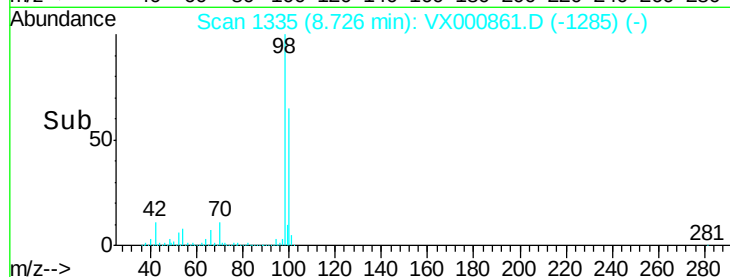
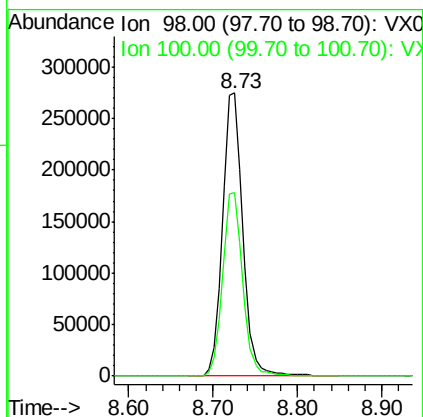
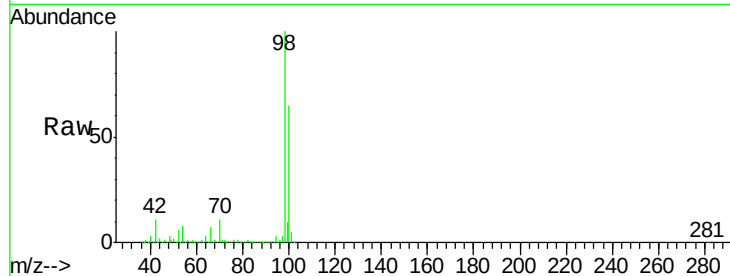




#50
Toluene-d8
Concen: 48.60 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

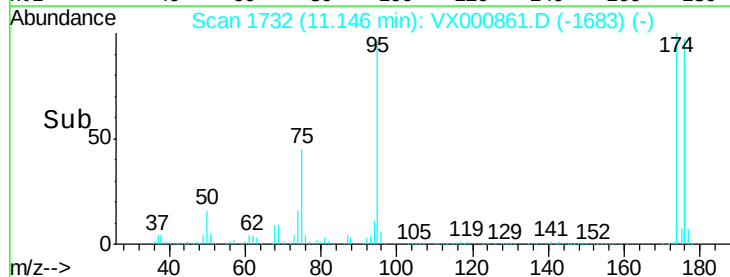
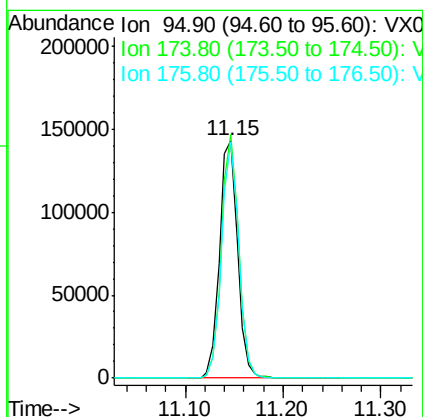
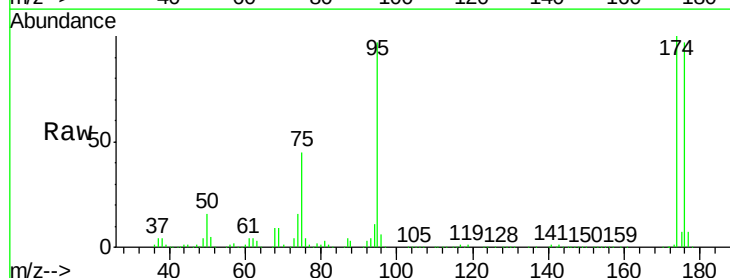
Instrument :
MSVOA_X
ClientSampleId :
RBR2520258

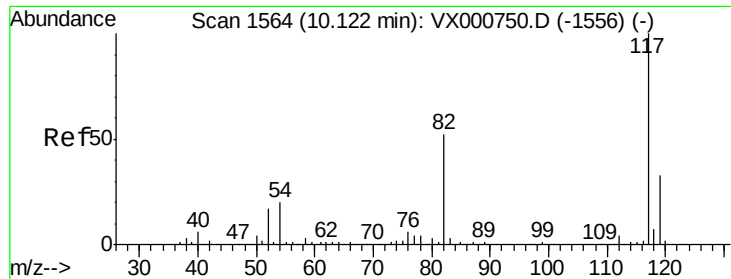
Tgt Ion: 98 Resp: 456254
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 47.04 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

Tgt Ion: 95 Resp: 182685
Ion Ratio Lower Upper
95 100
174 98.5 0.0 198.4
176 95.4 0.0 194.4

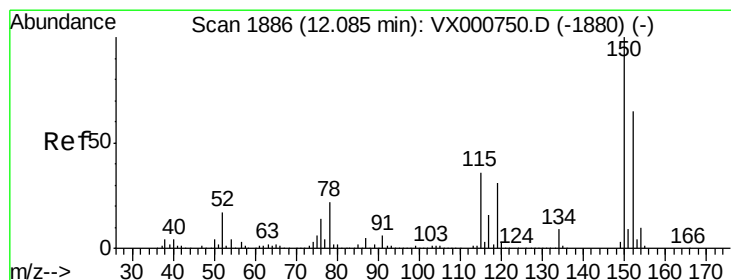
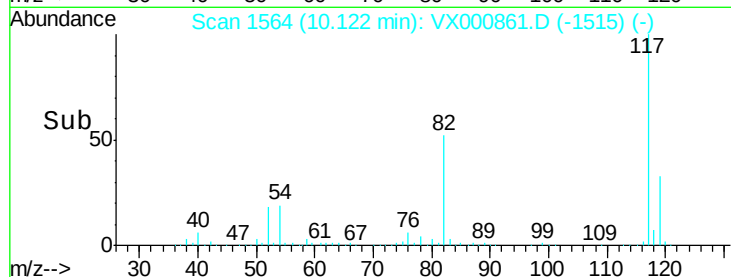
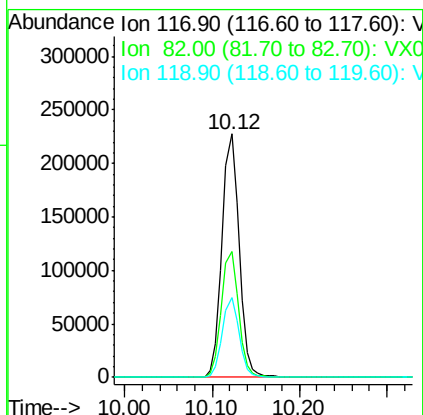
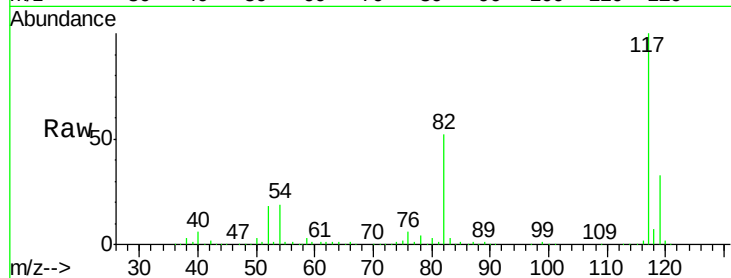




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

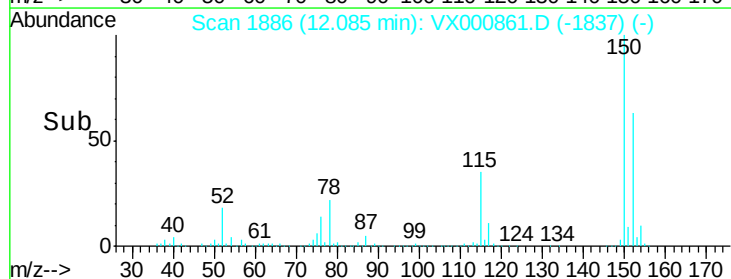
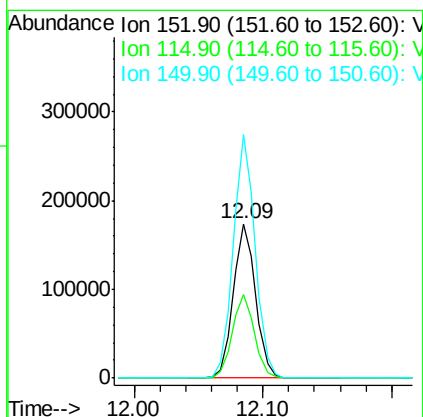
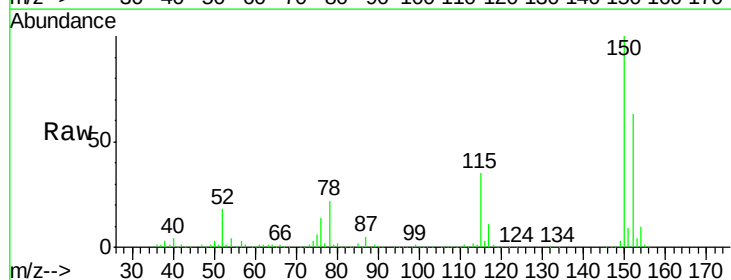
Instrument :
MSVOA_X
ClientSampleId :
RBR2520258

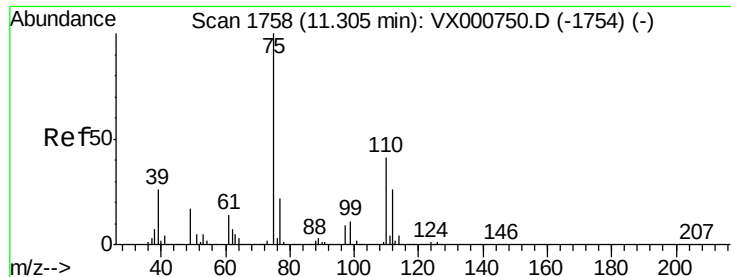
Tgt Ion:117 Resp: 308400
Ion Ratio Lower Upper
117 100
82 51.8 41.9 62.9
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

Tgt Ion:152 Resp: 209588
Ion Ratio Lower Upper
152 100
115 53.7 37.9 113.7
150 155.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 24.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

Instrument :

MSVOA_X

ClientSampleId :

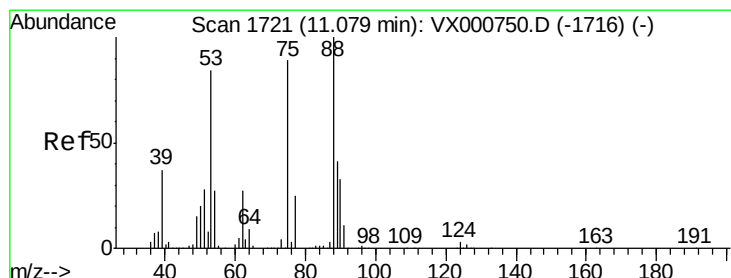
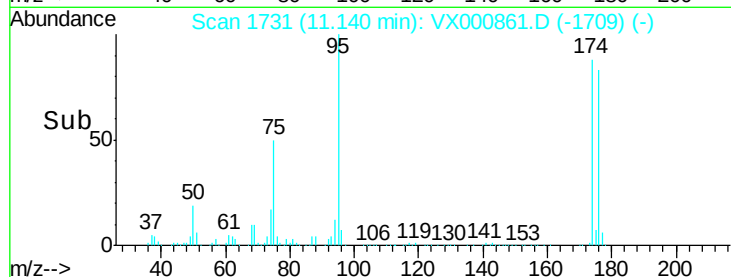
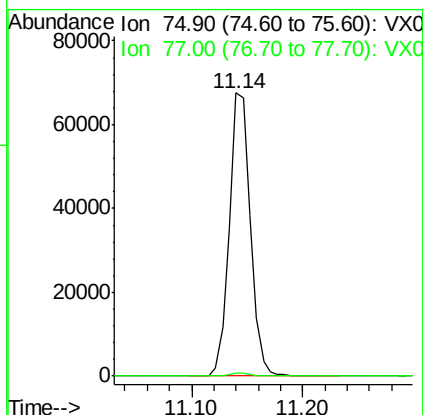
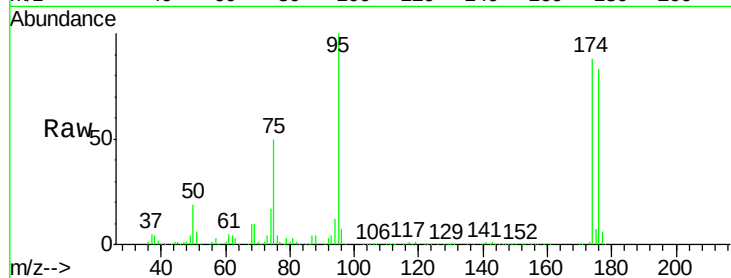
RBR2520258

Tgt Ion: 75 Resp: 88413

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000861.D

Acq: 13 Apr 2018 20:17

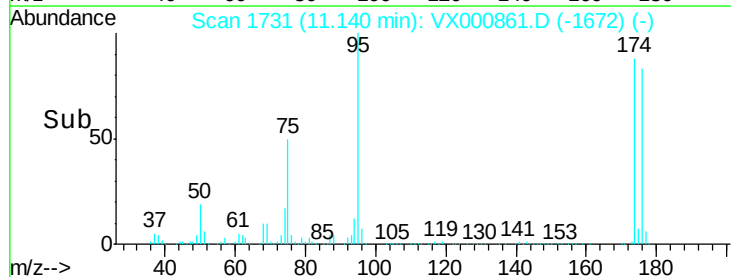
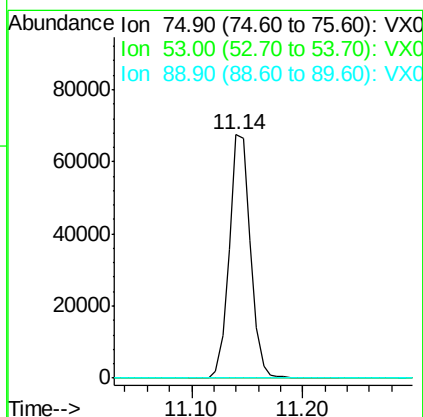
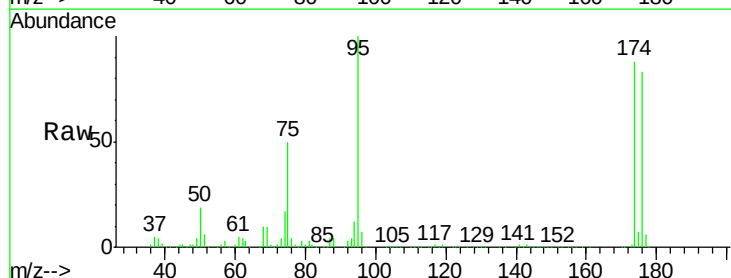
Tgt Ion: 75 Resp: 88413

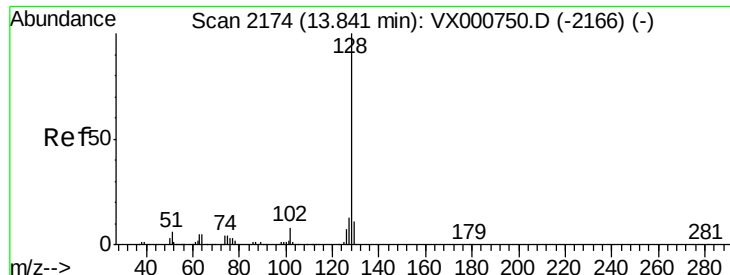
Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

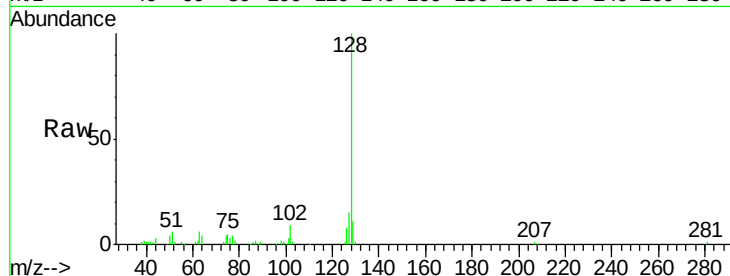




#95
Naphthalene
Concen: 1.39 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000861.D
Acq: 13 Apr 2018 20:17

Instrument :
MSVOA_X
ClientSampleId :
RBR2520258

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.6	8.7	13.1



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

