

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000835.D
 Acq On : 13 Apr 2018 06:10
 Operator : JC/MD
 Sample : J2337-09 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200036

Quant Time: Apr 13 07:03:31 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	282288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	162537	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	5.51	113	134005	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	8.72	98	519135	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.15	95	205137	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

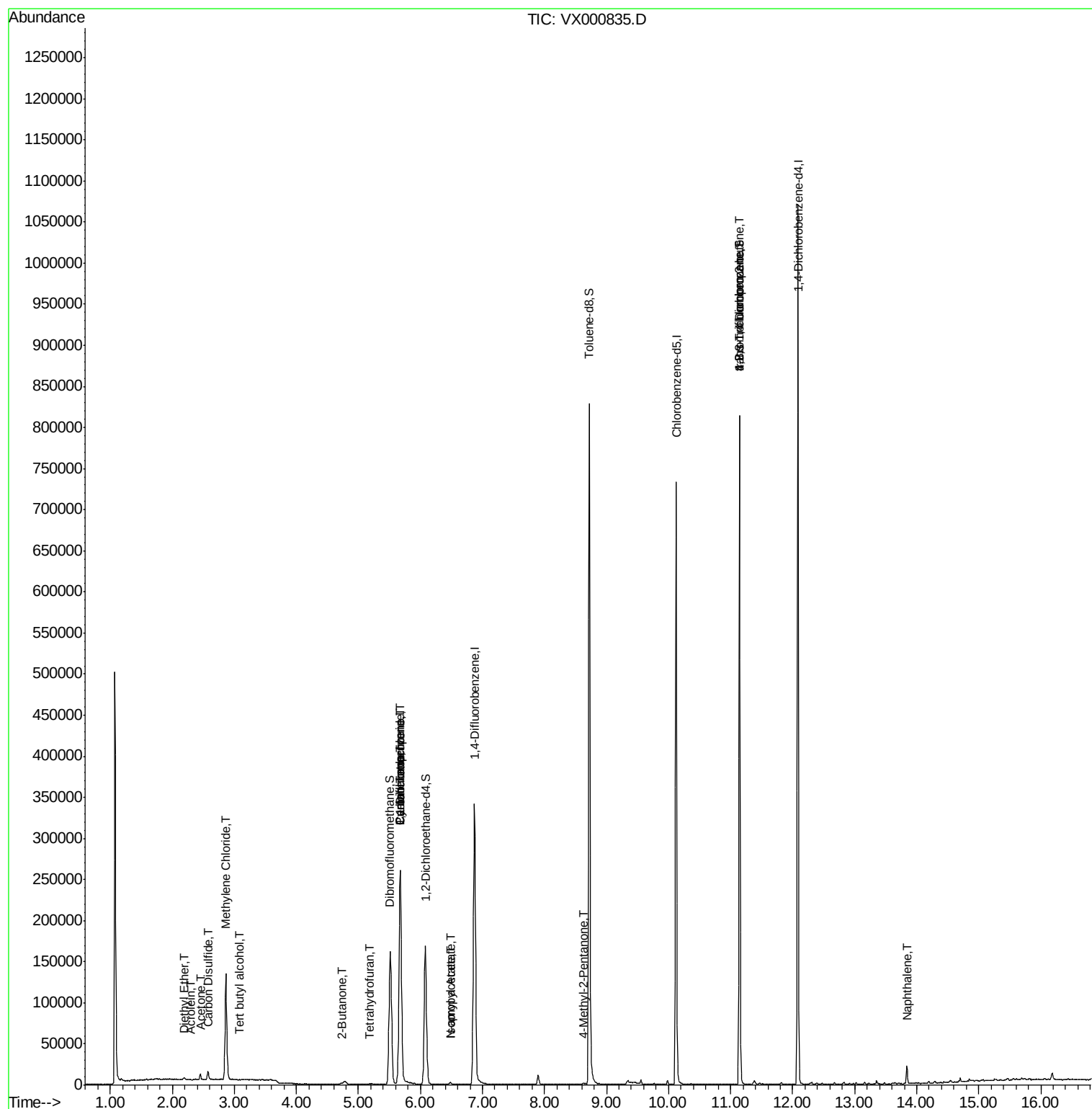
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	318	Below Cal		89
8) Diethyl Ether	2.20	74	749	0.43	ug/l	83
11) Tert butyl alcohol	3.08	59	196	0.31	ug/l #	1
13) Acrolein	2.30	56	62	0.20	ug/l #	59
16) Acetone	2.45	43	6363	5.18	ug/l	100
17) Carbon Disulfide	2.57	76	11414	1.45	ug/l	100
20) Methylene Chloride	2.87	84	62607	21.93	ug/l	97
25) 2-Butanone	4.73	43	1476	0.73	ug/l #	88
29) Tetrahydrofuran	5.19	42	1065	0.83	ug/l #	55
31) Cyclohexane	5.67	56	4593	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16818	4.11	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23677	5.17	ug/l #	16
43) Isopropyl Acetate	6.48	43	3157	0.46	ug/l #	90
51) 4-Methyl-2-Pentanone	8.63	43	1064	0.26	ug/l #	37
74) N-amyl acetate	6.48	43	3157	0.48	ug/l #	93
76) 1,2,3-Trichloropropane	11.14	75	99962	25.05	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	99962	68.90	ug/l #	11
95) Naphthalene	13.84	128	13377	0.79	ug/l	99

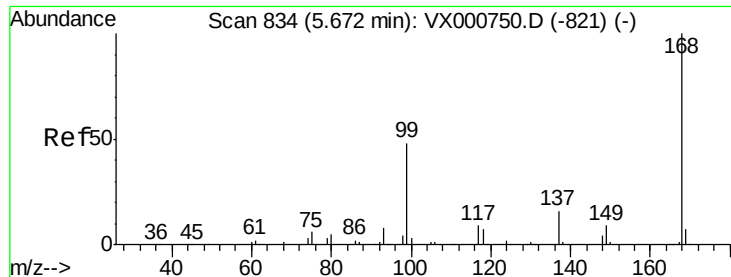
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampled :

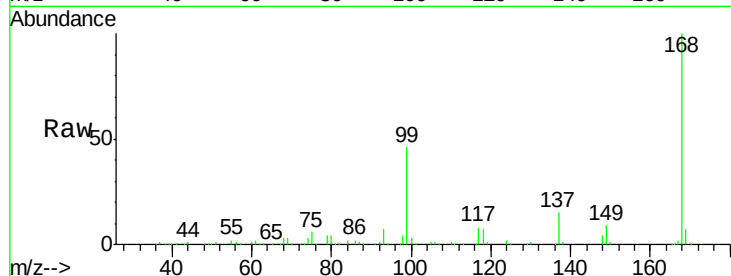
RBR200036

Tgt Ion:168 Resp: 282288

Ion Ratio Lower Upper

168 100

99 46.5 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

100000

80000

60000

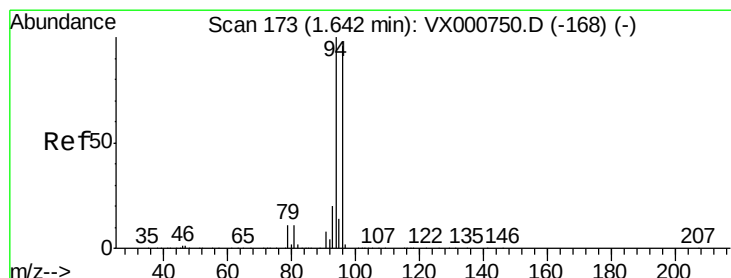
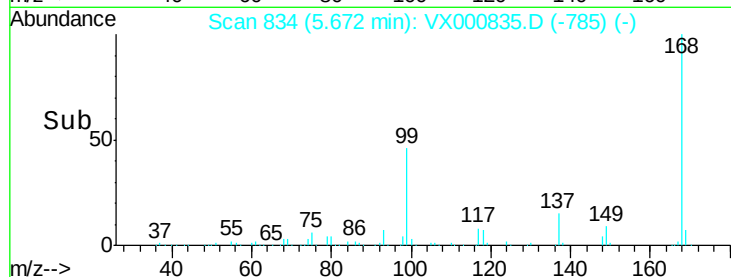
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000835.D

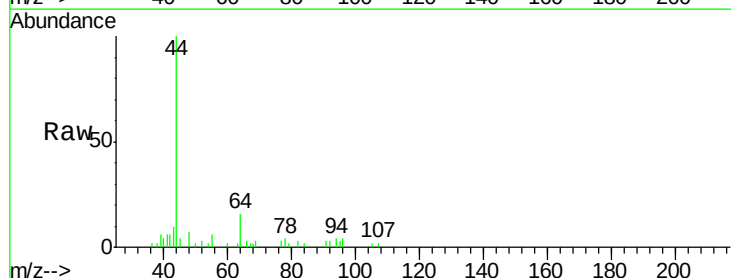
Acq: 13 Apr 2018 06:10

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

94 100

96 107.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

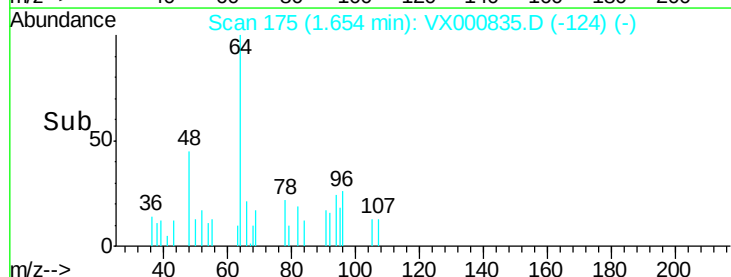
100

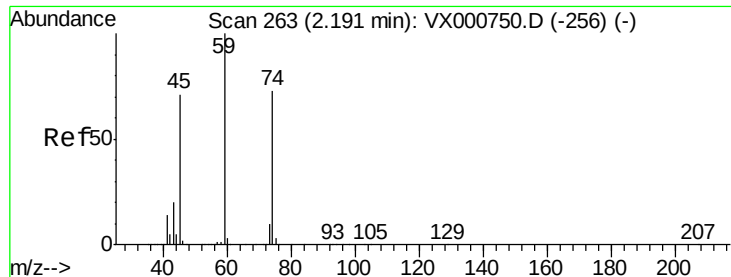
50

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 0.43 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

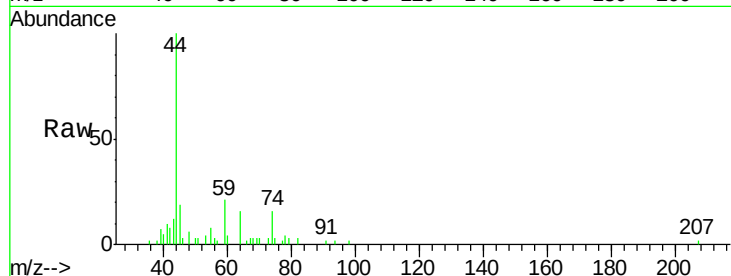
RBR200036

Tgt Ion: 74 Resp: 749

Ion Ratio Lower Upper

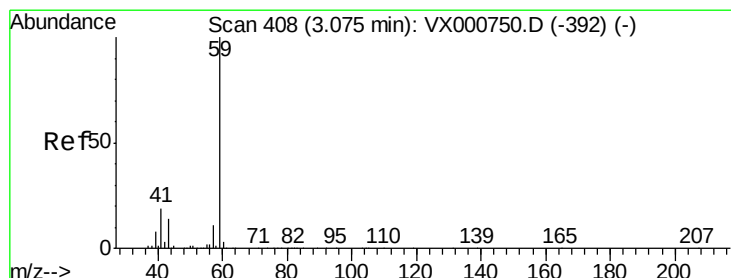
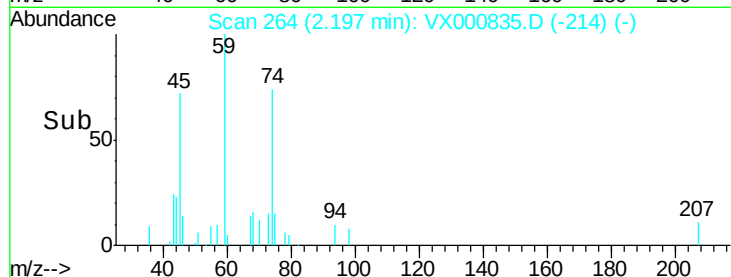
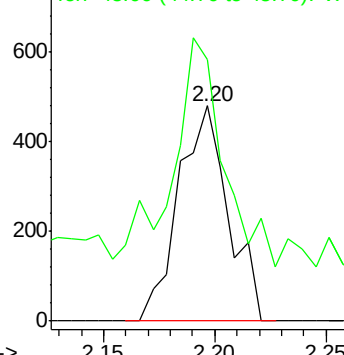
74 100

45 113.9 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.31 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000835.D

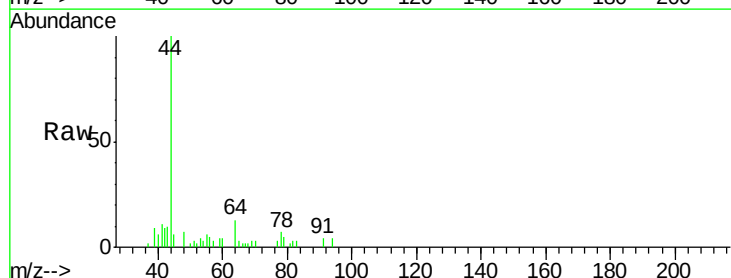
Acq: 13 Apr 2018 06:10

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

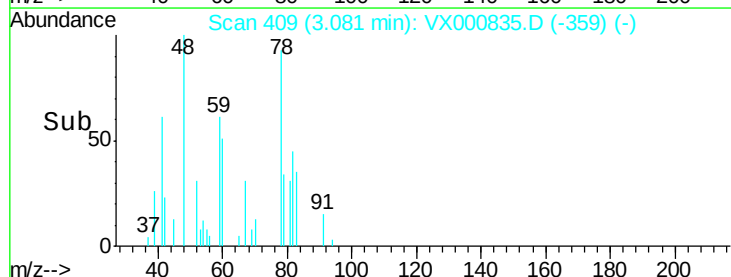
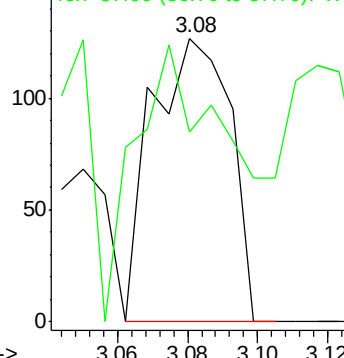
59 100

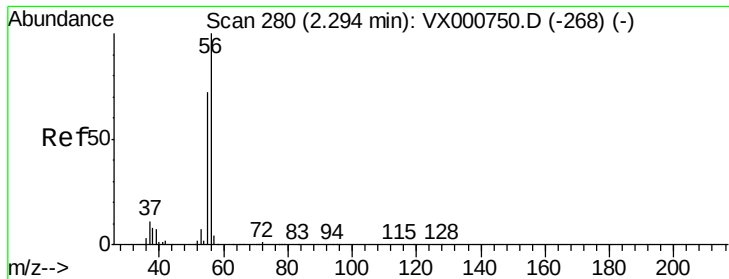
57 114.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.20 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

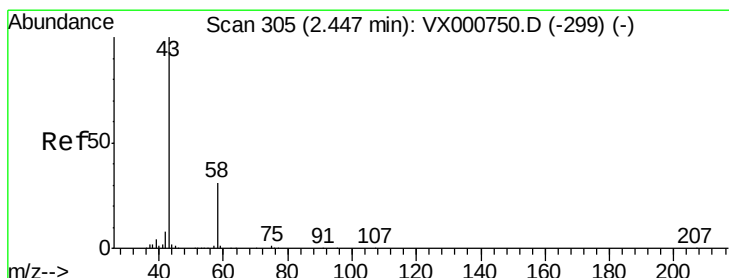
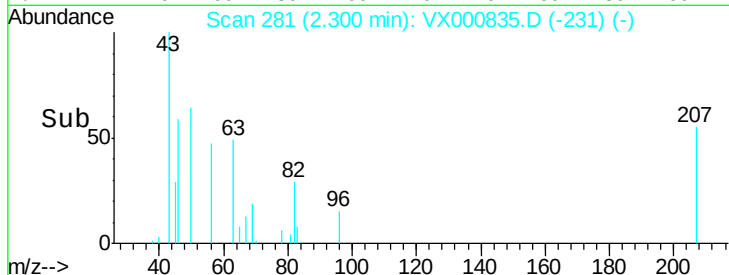
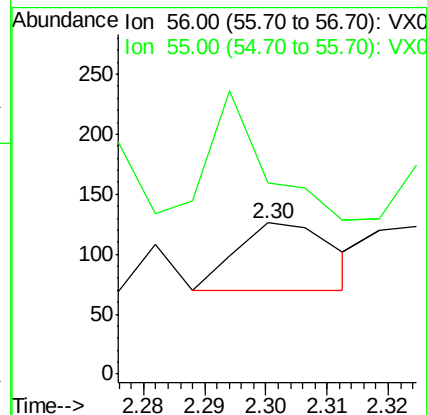
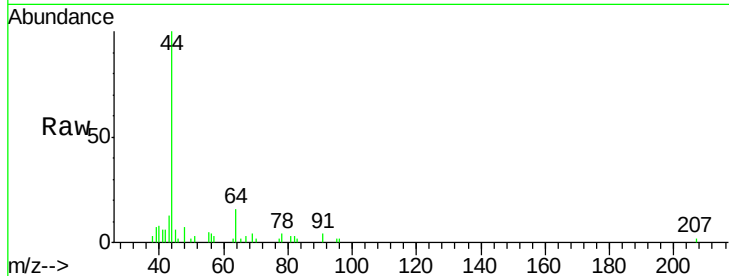
RBR200036

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 108.1 58.7 88.1#



#16

Acetone

Concen: 5.18 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000835.D

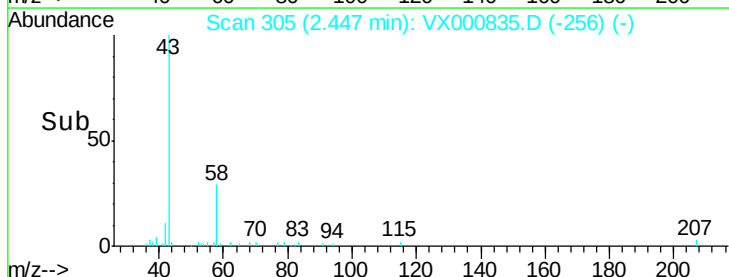
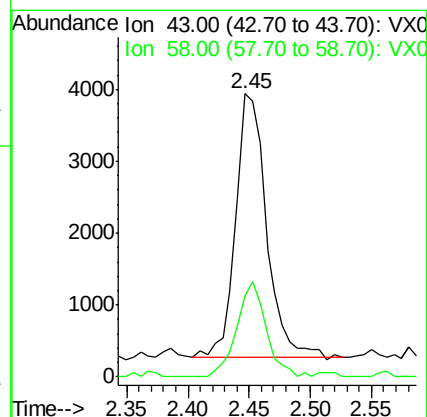
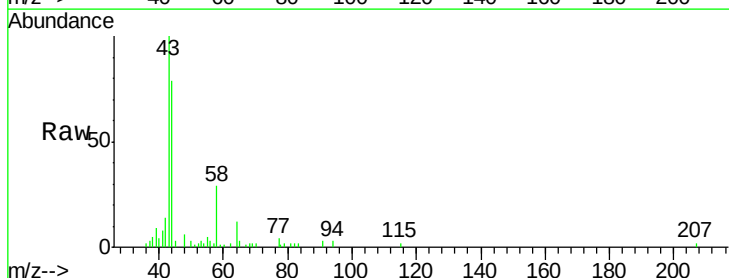
Acq: 13 Apr 2018 06:10

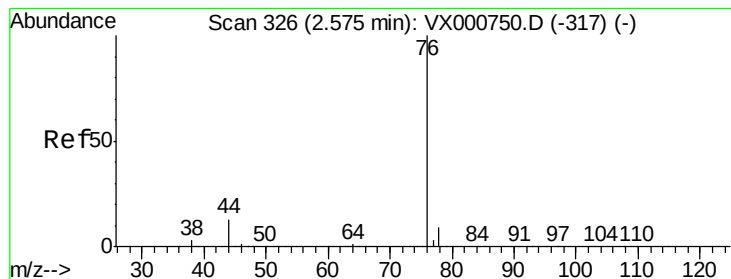
Tgt Ion: 43 Resp: 6363

Ion Ratio Lower Upper

43 100

58 31.0 24.6 37.0





#17

Carbon Disulfide

Concen: 1.45 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

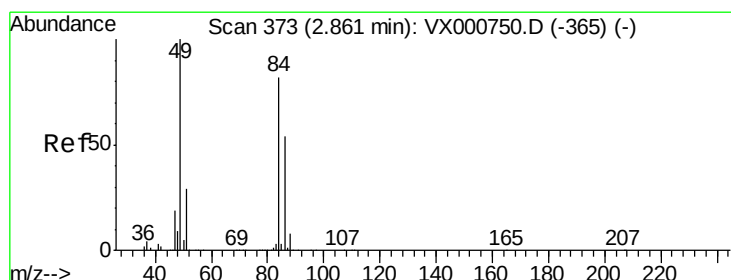
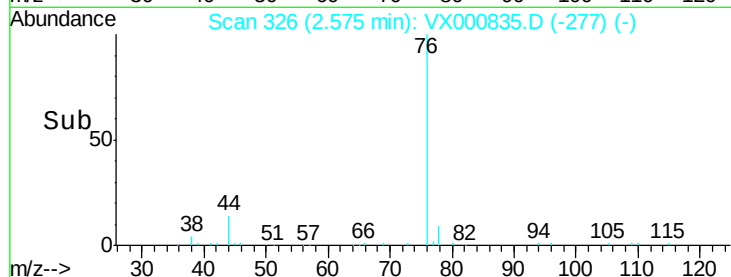
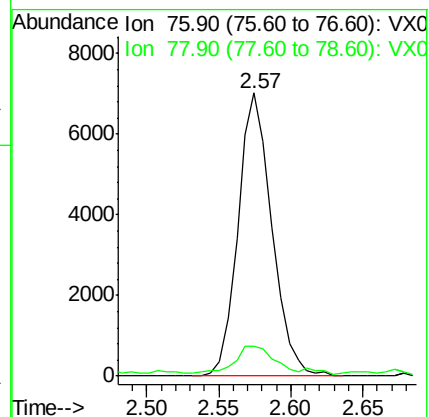
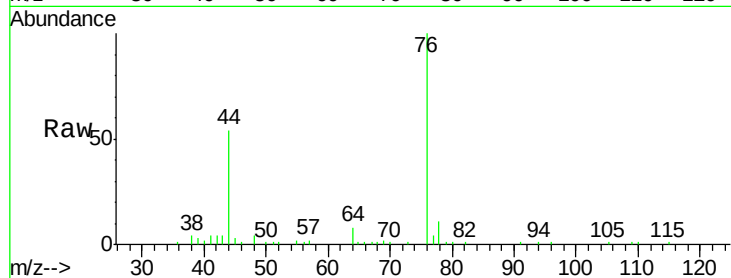
RBR200036

Tgt Ion: 76 Resp: 11414

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



#20

Methylene Chloride

Concen: 21.93 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Tgt Ion: 84 Resp: 62607

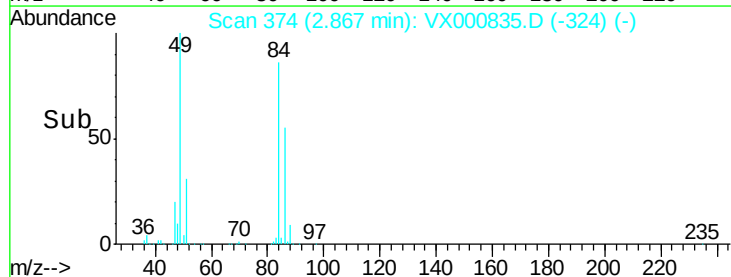
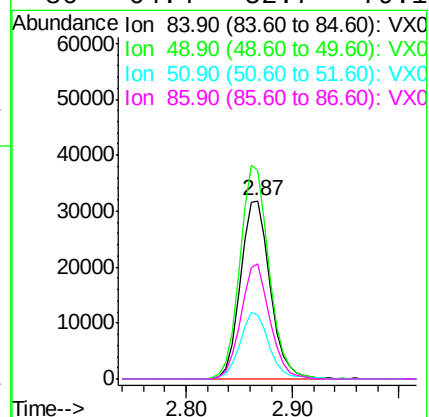
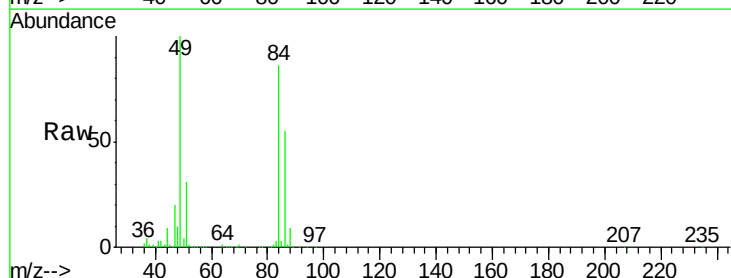
Ion Ratio Lower Upper

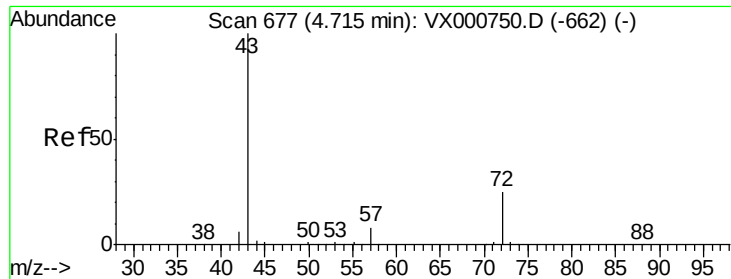
84 100

49 116.9 98.1 147.1

51 35.6 28.9 43.3

86 64.4 52.7 79.1





#25

2-Butanone

Concen: 0.73 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampled :

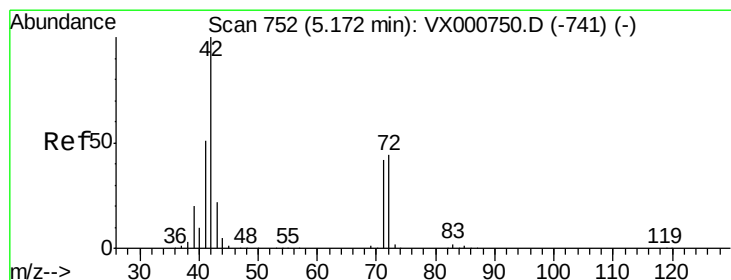
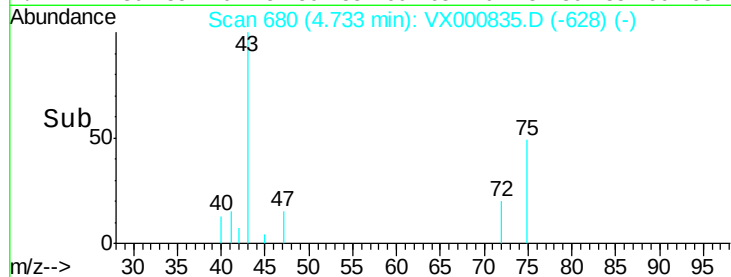
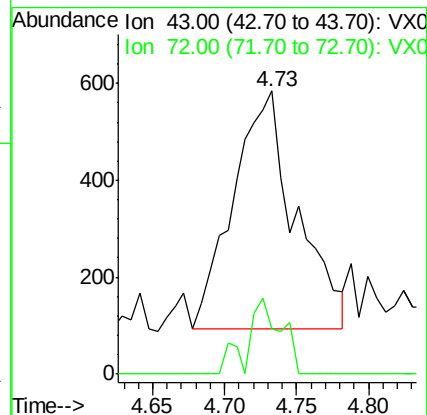
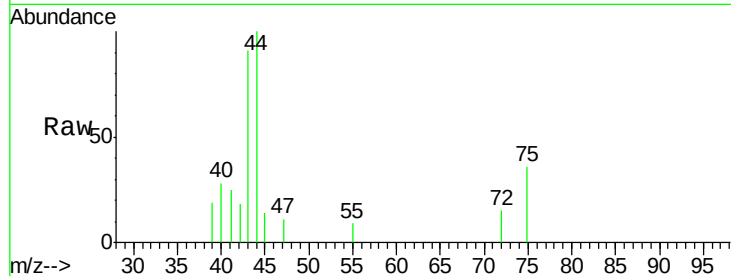
RBR200036

Tgt Ion: 43 Resp: 1476

Ion Ratio Lower Upper

43 100

72 19.2 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.83 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

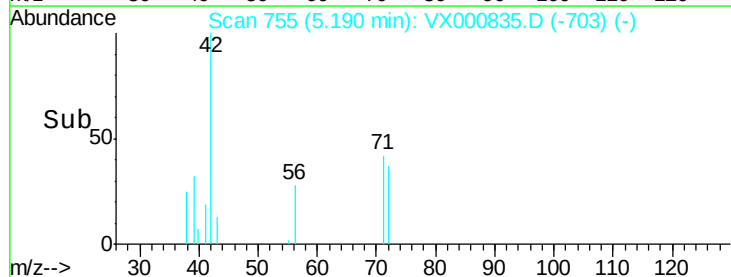
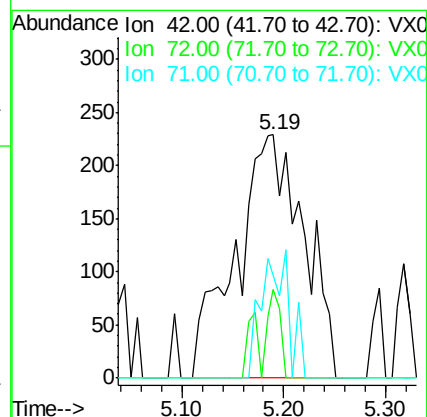
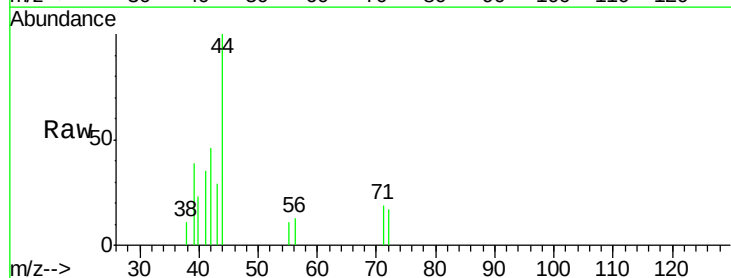
Tgt Ion: 42 Resp: 1065

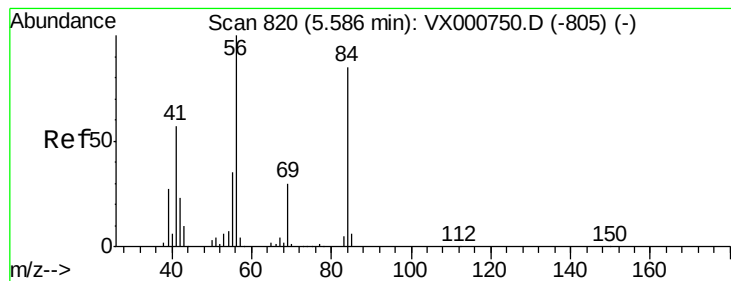
Ion Ratio Lower Upper

42 100

72 7.1 35.1 52.7#

71 21.1 32.8 49.2#





#31

Cyclohexane

Concen: 0.98 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

RBR200036

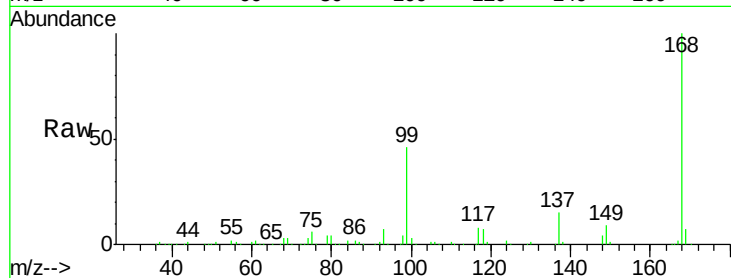
Tgt Ion: 56 Resp: 4593

Ion Ratio Lower Upper

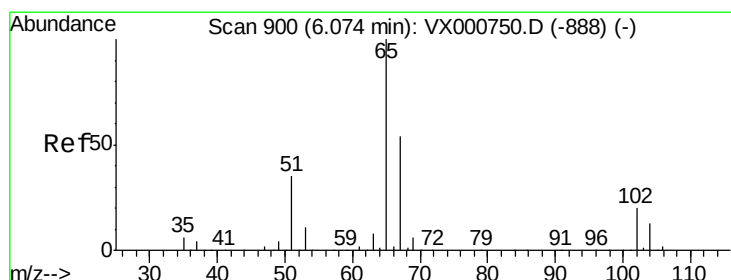
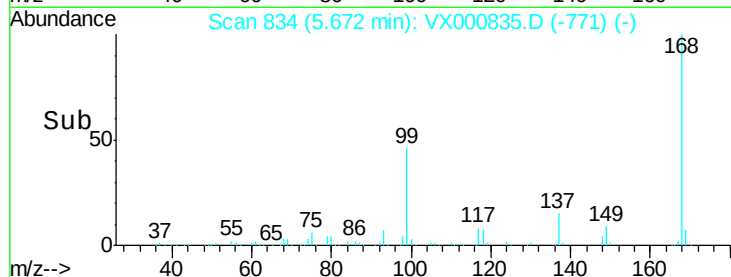
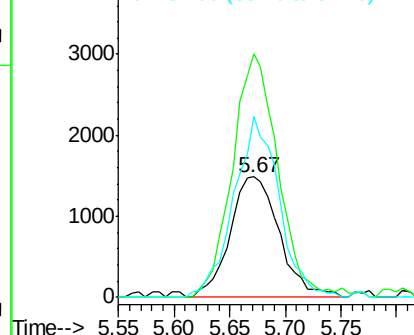
56 100

69 202.3 24.2 36.4#

84 149.9 67.6 101.4#



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: 45.66 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000835.D

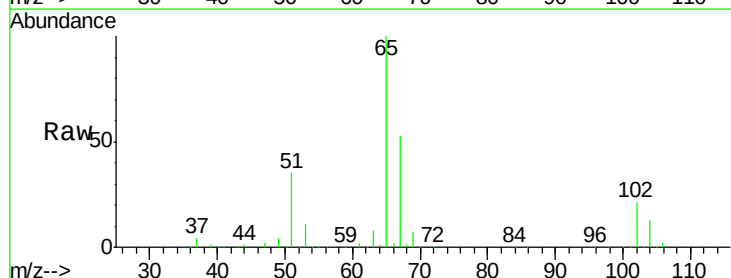
Acq: 13 Apr 2018 06:10

Tgt Ion: 65 Resp: 162537

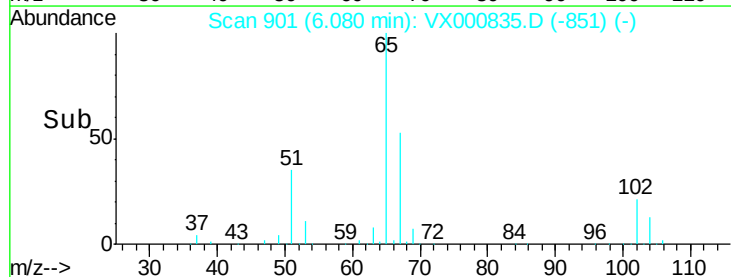
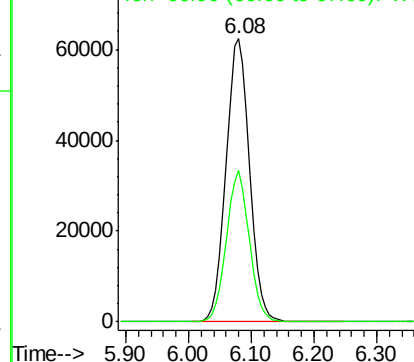
Ion Ratio Lower Upper

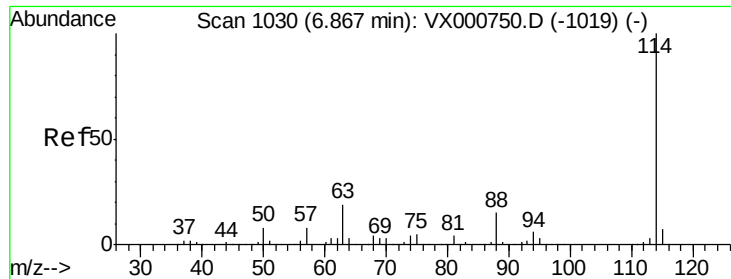
65 100

67 52.0 0.0 103.8



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. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

RBR200036

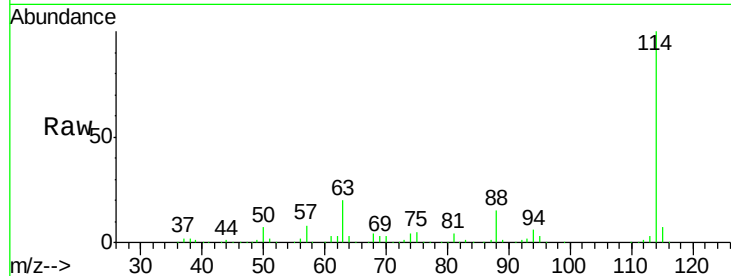
Tgt Ion:114 Resp: 371341

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

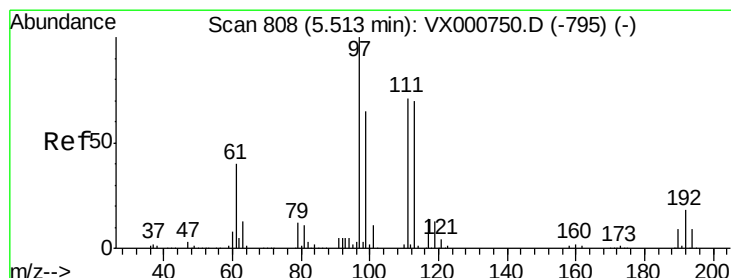
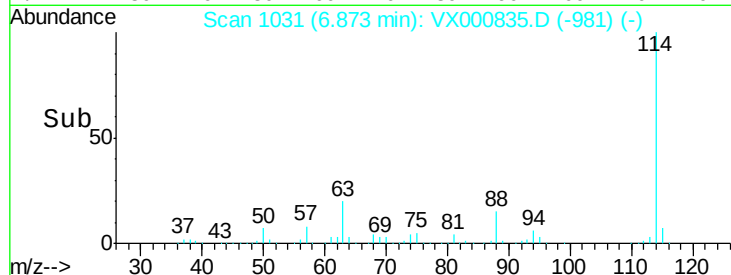
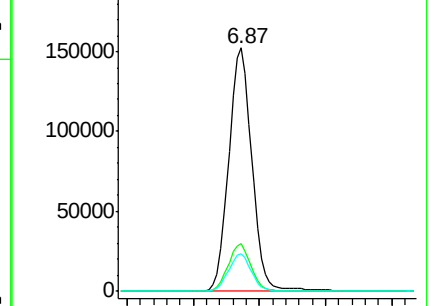
88 15.2 0.0 31.0



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: 46.84 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

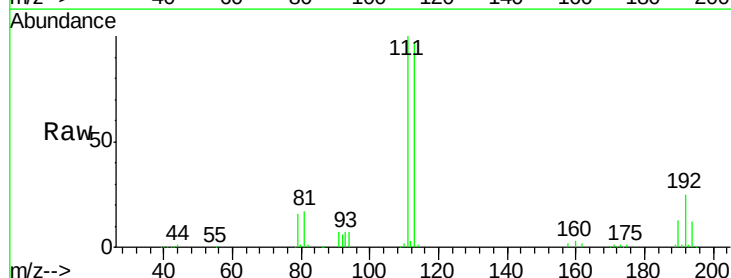
Tgt Ion:113 Resp: 134005

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

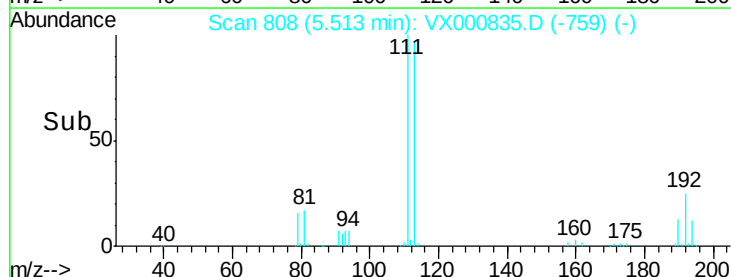
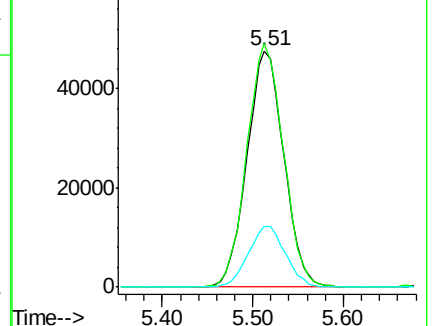
192 26.1 20.4 30.6

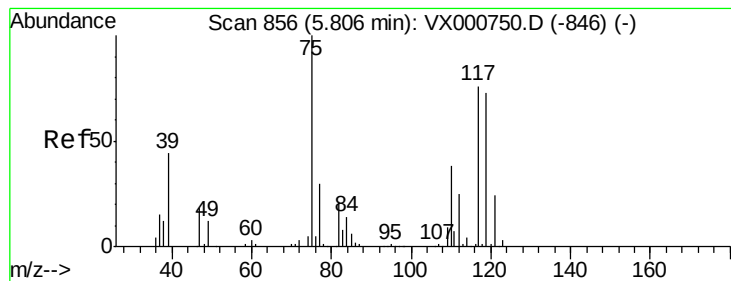


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.11 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

RBR200036

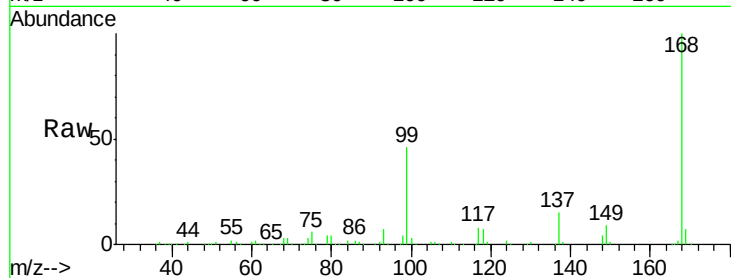
Tgt Ion: 75 Resp: 16818

Ion Ratio Lower Upper

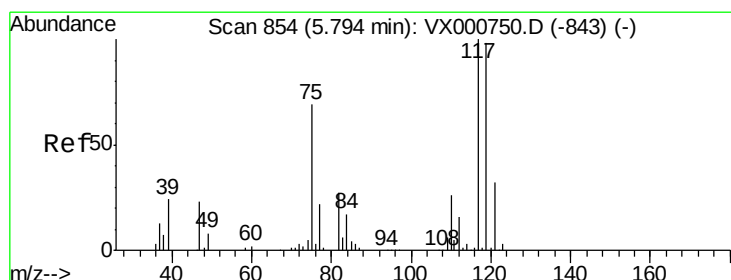
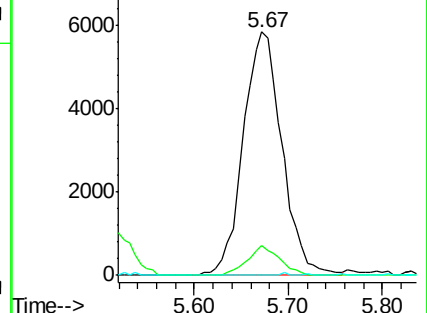
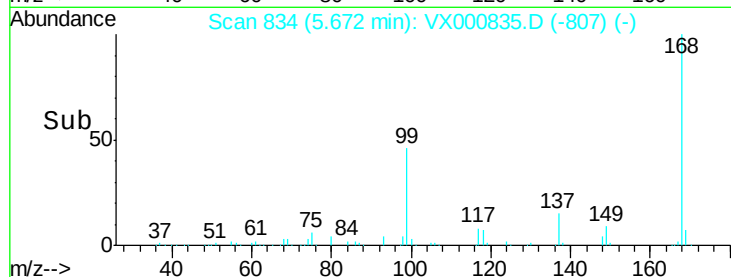
75 100

110 10.1 19.2 57.6#

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX000835.D (-807) (-)



#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

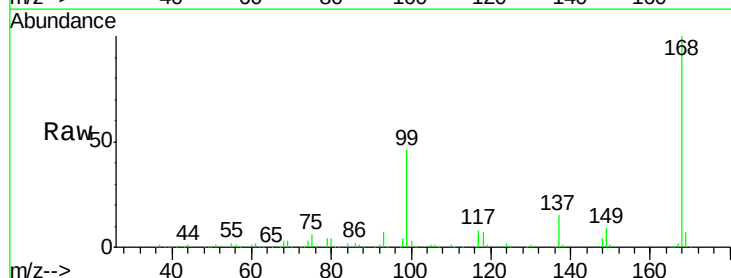
Tgt Ion: 117 Resp: 23677

Ion Ratio Lower Upper

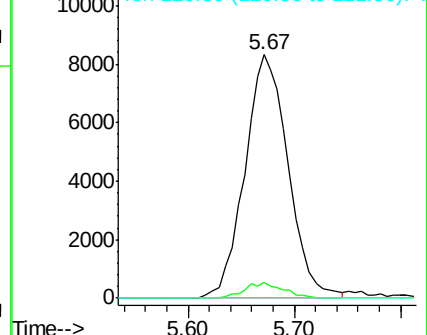
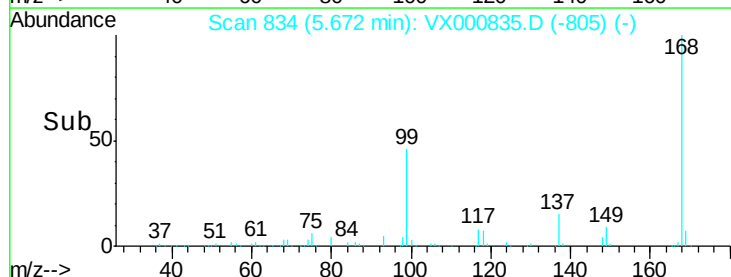
117 100

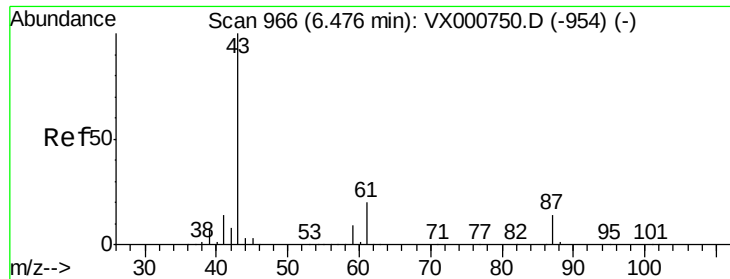
119 6.3 78.4 117.6#

121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): VX000835.D (-805) (-)





#43

Isopropyl Acetate

Concen: 0.46 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampleId :

RBR200036

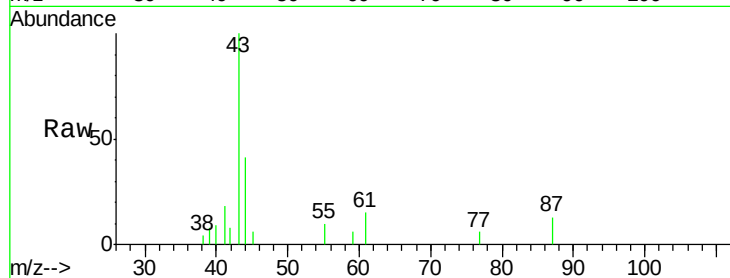
Tgt Ion: 43 Resp: 3157

Ion Ratio Lower Upper

43 100

61 16.2 15.6 23.4

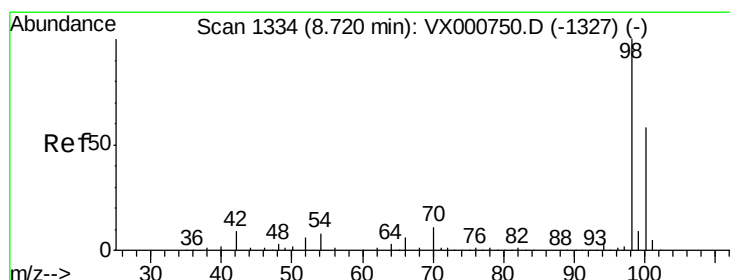
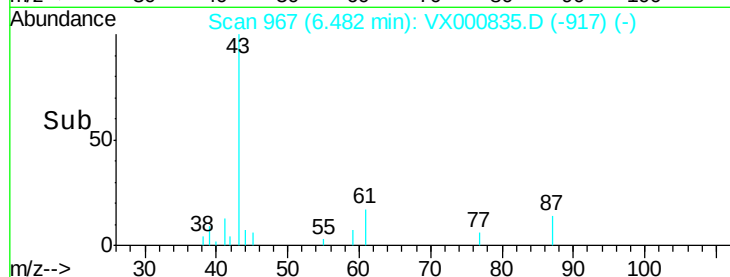
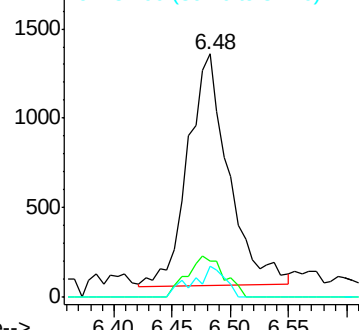
87 8.0 10.7 16.1#



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: 48.73 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000835.D

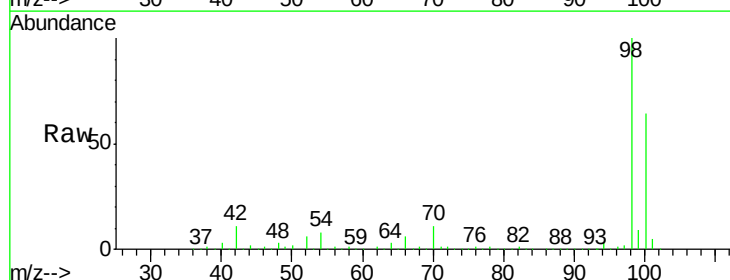
Acq: 13 Apr 2018 06:10

Tgt Ion: 98 Resp: 519135

Ion Ratio Lower Upper

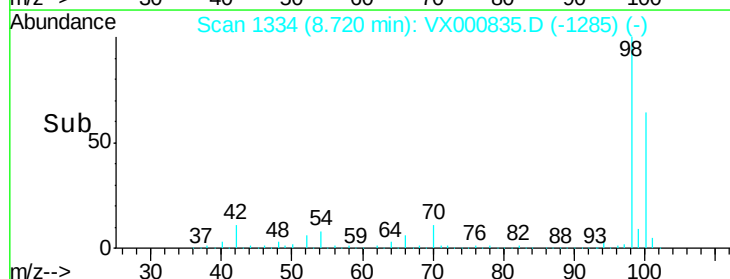
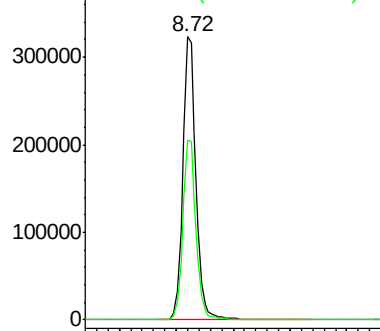
98 100

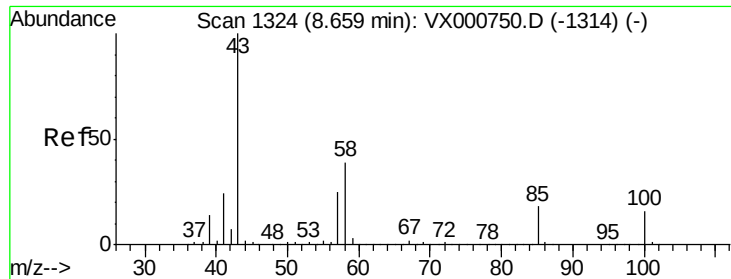
100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

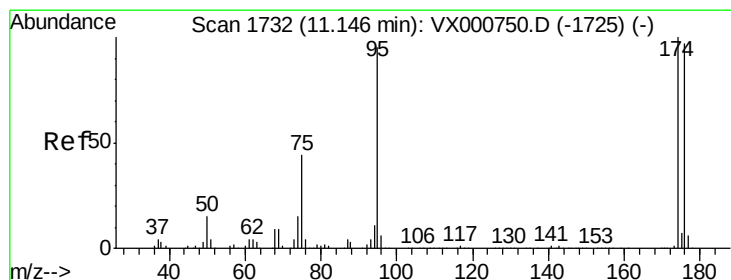
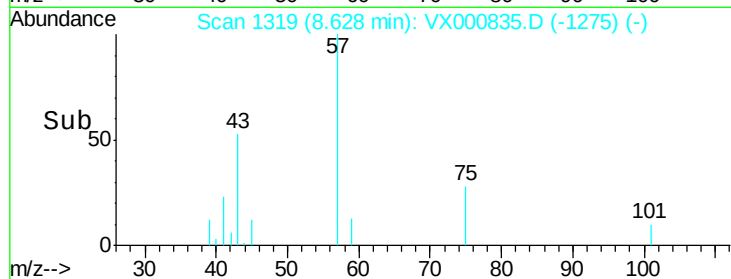
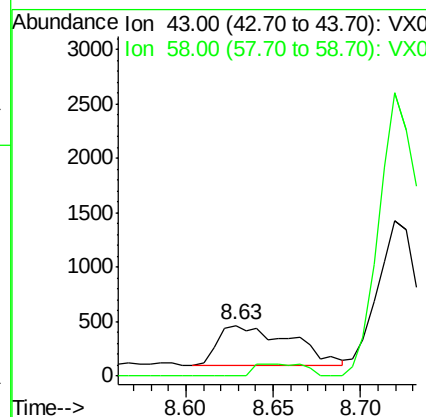
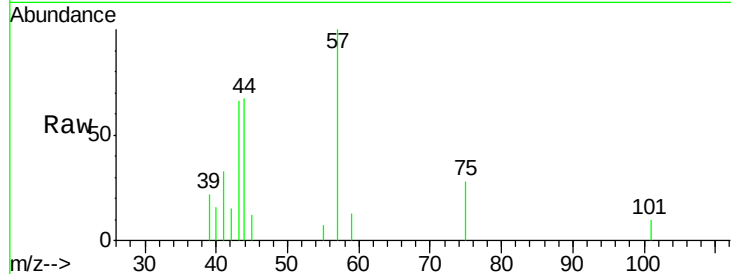




#51
 4-Methyl-2-Pentanone
 Concen: 0.26 ug/l
 RT: 8.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VX000835.D
 Acq: 13 Apr 2018 06:10

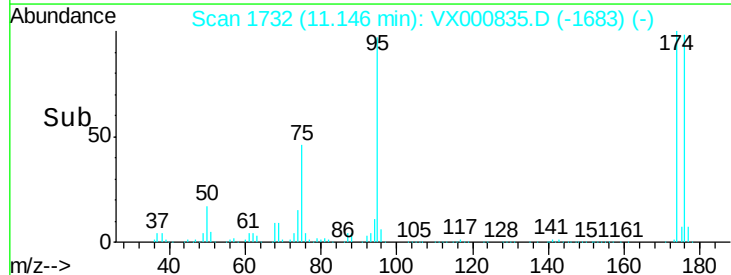
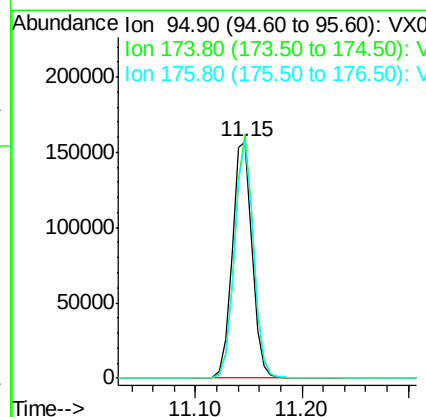
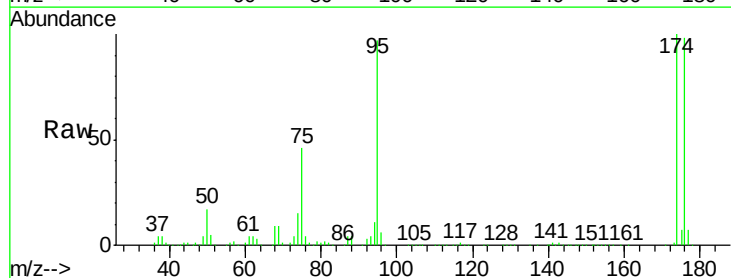
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200036

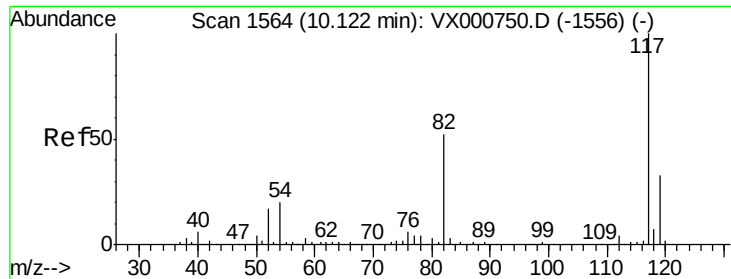
Tgt Ion: 43 Resp: 1064
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.3 45.5#



#62
 4-Bromofluorobenzene
 Concen: 46.55 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000835.D
 Acq: 13 Apr 2018 06:10

Tgt Ion: 95 Resp: 205137
 Ion Ratio Lower Upper
 95 100
 174 98.3 0.0 198.4
 176 96.7 0.0 194.4

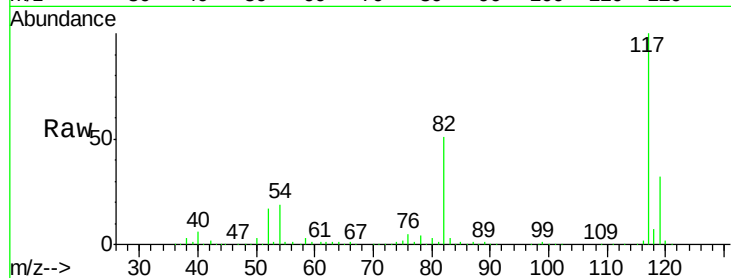




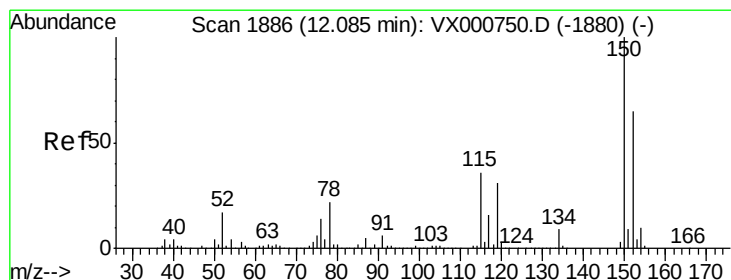
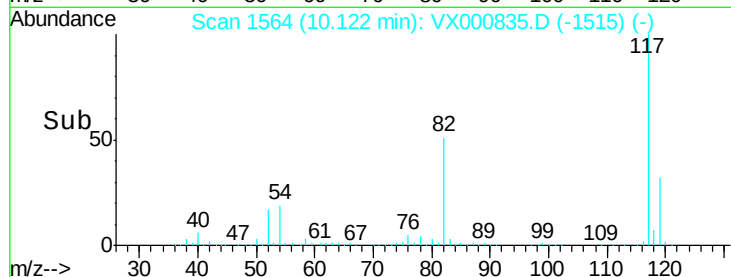
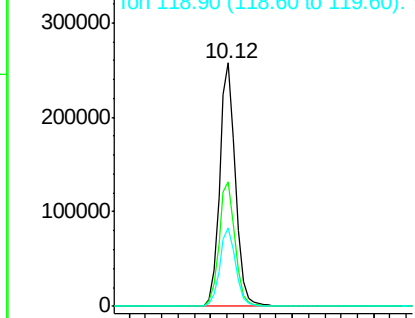
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000835.D
Acq: 13 Apr 2018 06:10

Instrument :
MSVOA_X
ClientSampleId :
RBR200036

Tgt Ion:117 Resp: 348097
Ion Ratio Lower Upper
117 100
82 51.0 41.9 62.9
119 32.3 26.0 39.0

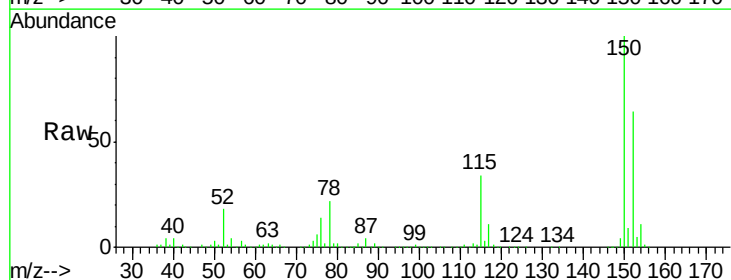


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

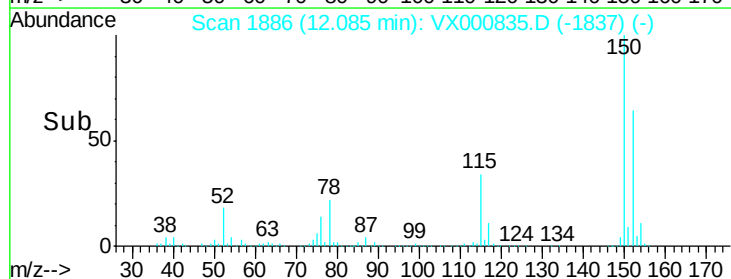
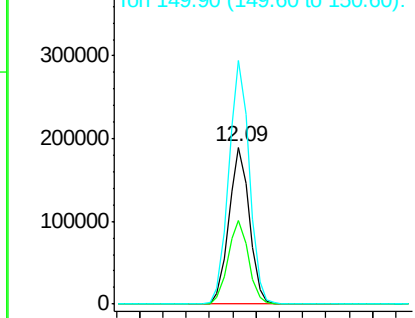


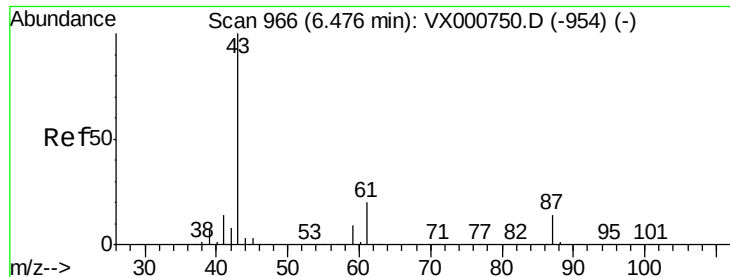
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000835.D
Acq: 13 Apr 2018 06:10

Tgt Ion:152 Resp: 231398
Ion Ratio Lower Upper
152 100
115 53.3 37.9 113.7
150 156.0 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: 0.48 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

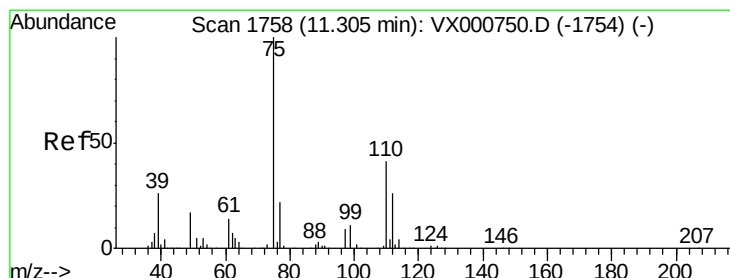
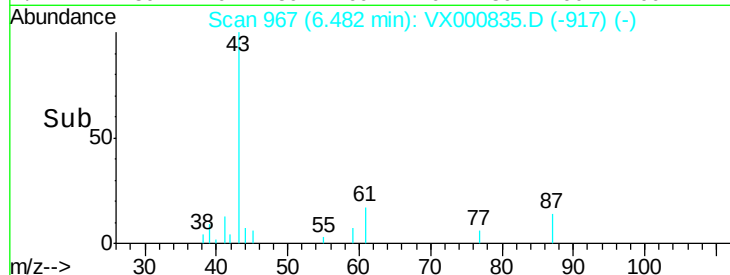
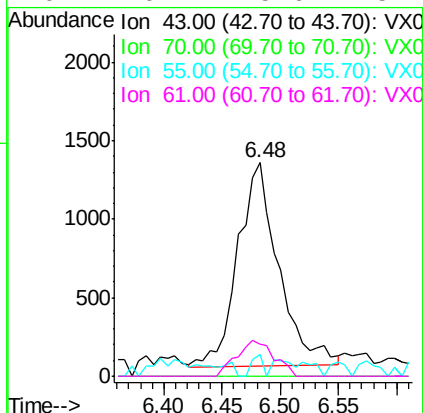
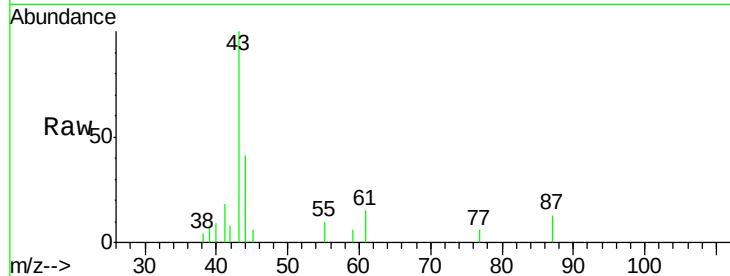
Instrument :

MSVOA_X

ClientSampled :

RBR200036

Tgt Ion:	43	Resp:	3157
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	2.9	0.0	0.0#
61	16.2	15.6	23.4



#76

1,2,3-Trichloropropane

Concen: 25.05 ug/l

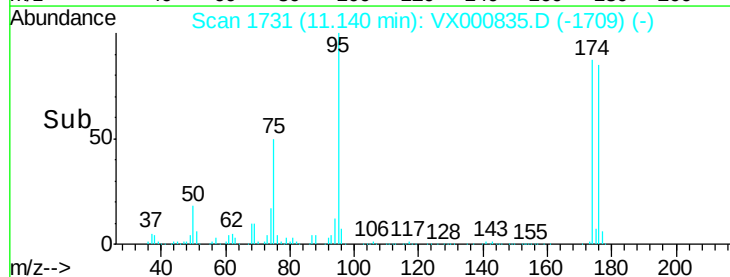
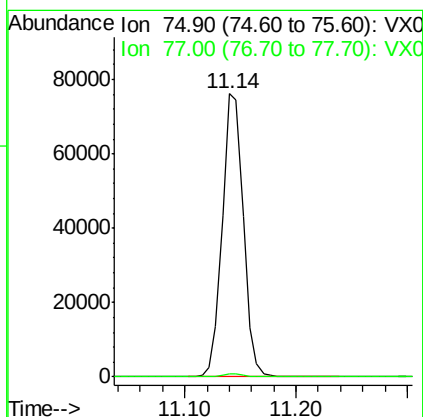
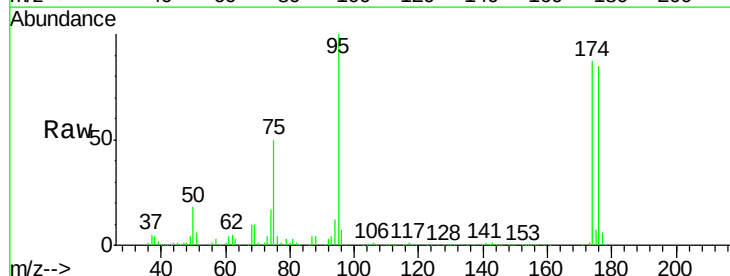
RT: 11.14 min Scan# 1731

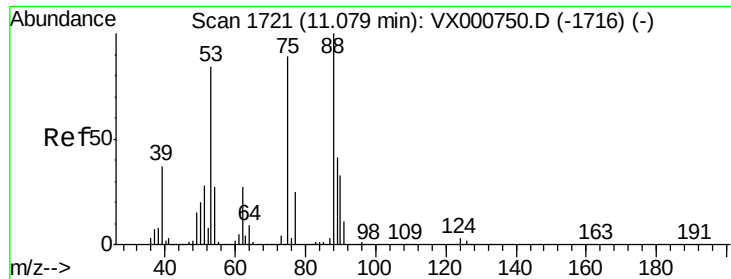
Delta R.T. -0.16 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Tgt Ion:	75	Resp:	99962
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.5	61.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

Instrument :

MSVOA_X

ClientSampled :

RBR200036

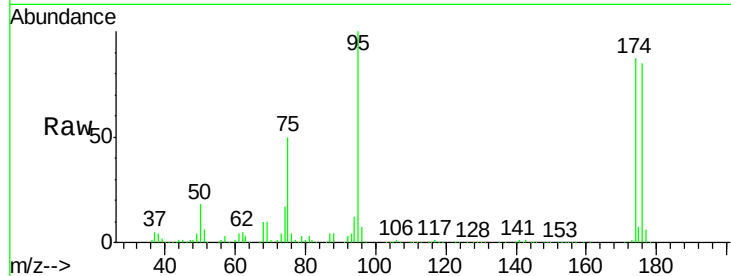
Tgt Ion: 75 Resp: 99962

Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.0#

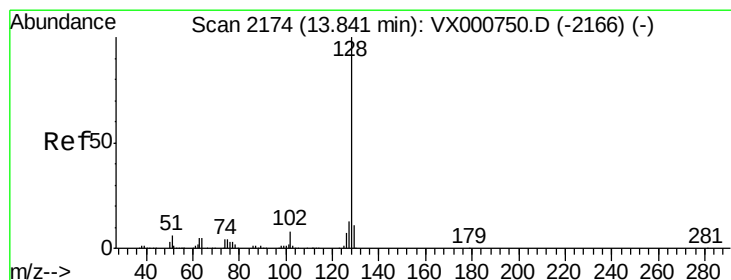
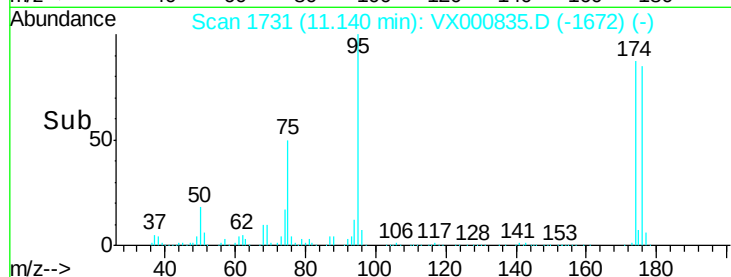
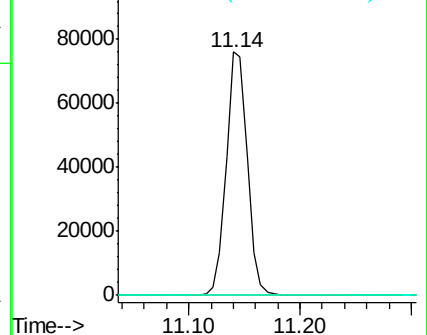
89 0.0 40.9 61.3#



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: 0.79 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000835.D

Acq: 13 Apr 2018 06:10

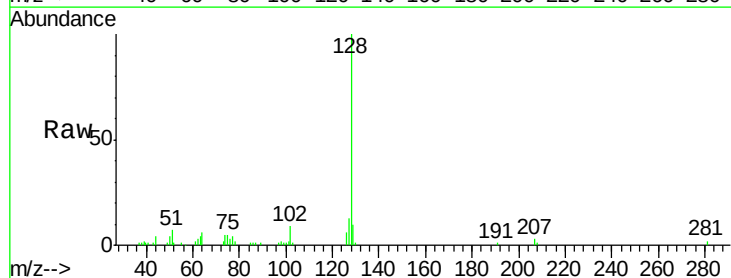
Tgt Ion: 128 Resp: 13377

Ion Ratio Lower Upper

128 100

127 13.5 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

