

Data File : VX000165.D

Acq On : 28 Feb 2018 14:29

Operator : JC/MD

Sample : J1674-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BR-2

Quant Time: Mar 01 06:31:14 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	97159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	154788	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	143034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	75303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	60287	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	5.51	113	46185	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	8.73	98	188819	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.15	95	66827	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	826	0.84	ug/l	# 78
5) Bromomethane	1.63	94	60	Below	Cal	# 3
6) Chloroethane	1.72	64	414	0.56	ug/l	# 42
11) Tert butyl alcohol	3.07	59	1856	3.97	ug/l	# 72
16) Acetone	2.45	43	2203	2.80	ug/l	# 79
17) Carbon Disulfide	2.58	76	757	0.25	ug/l	# 76
18) Methyl Acetate	2.79	43	433	0.23	ug/l	# 50
19) Methyl tert-butyl Ether	3.22	73	57908	16.58	ug/l	# 99
20) Methylene Chloride	2.87	84	367	Below	Cal	# 61
29) Tetrahydrofuran	5.19	42	750	1.05	ug/l	# 73
31) Cyclohexane	5.67	56	2444	1.61	ug/l	# 20
36) 1,1-Dichloropropene	5.67	75	7480	5.39	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	9748	6.50	ug/l	# 16
41) Methacrylonitrile	5.06	41	45	Below	Cal	# 1
60) Dibromochloromethane	9.34	129	544	0.44	ug/l	# 12
64) Tetrachloroethene	9.34	164	496	0.48	ug/l	# 79
76) 1,2,3-Trichloropropane	11.15	75	38188	24.48	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.15	75	38188	69.72	ug/l	# 12

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

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ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

BR-2

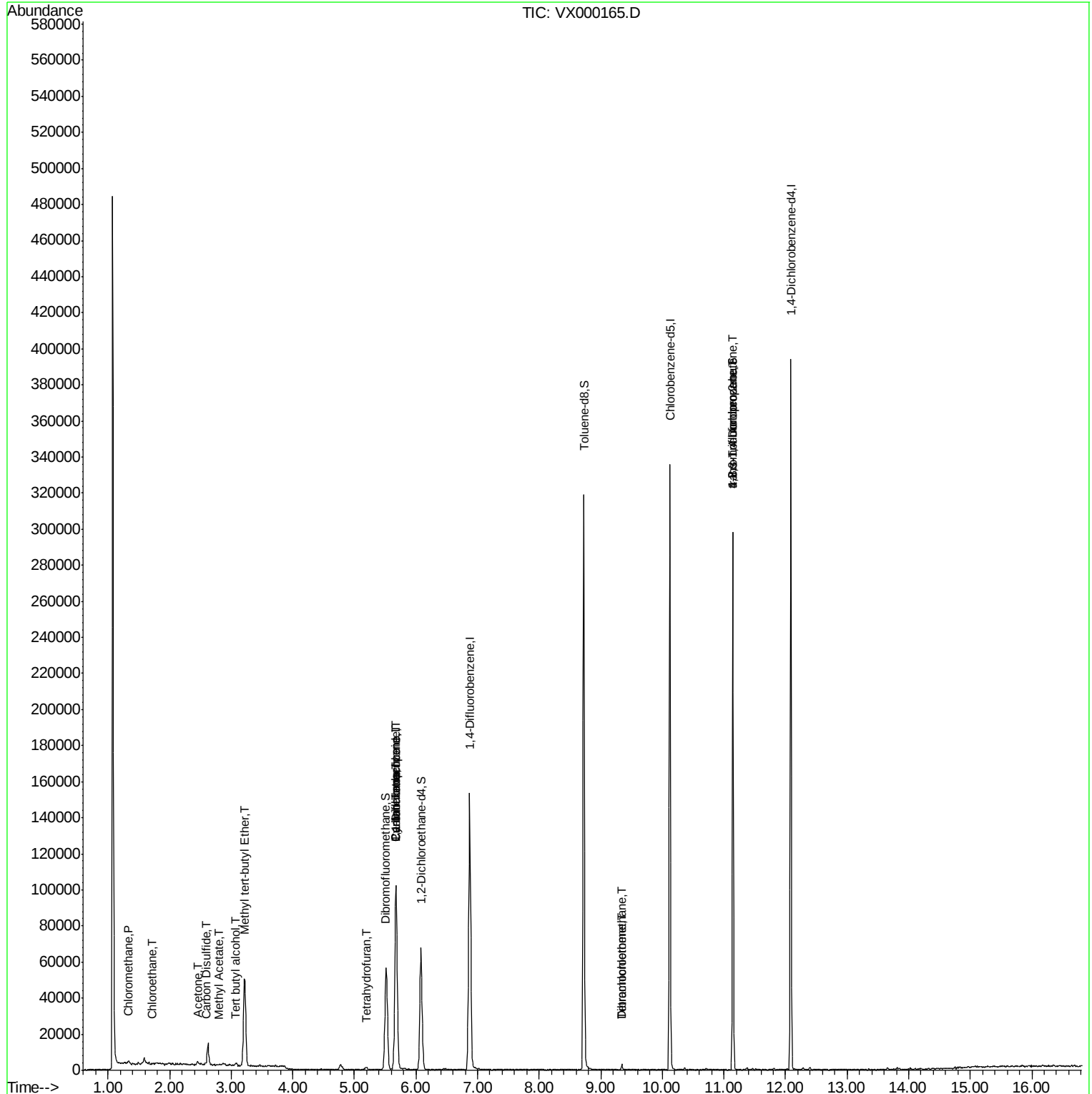
Quant Time: Mar 01 06:31:14 2018

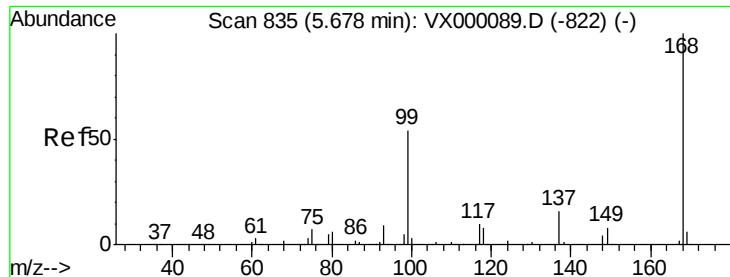
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

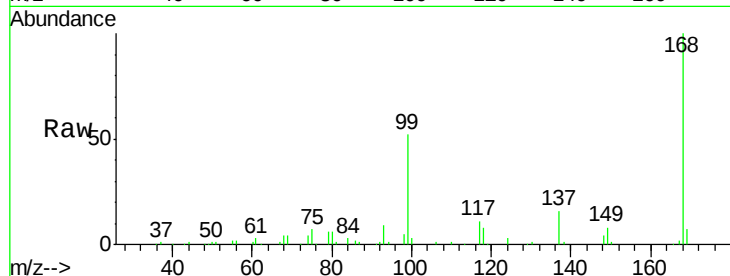
BR-2

Tgt Ion:168 Resp: 97159

Ion Ratio Lower Upper

168 100

99 52.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

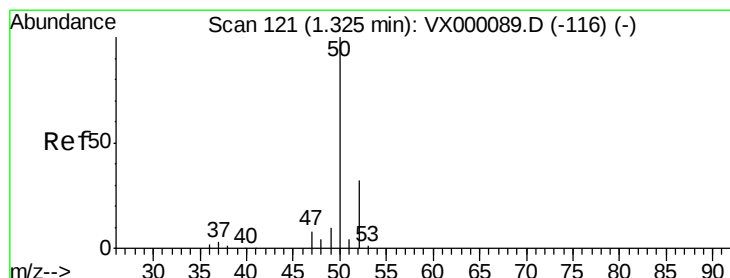
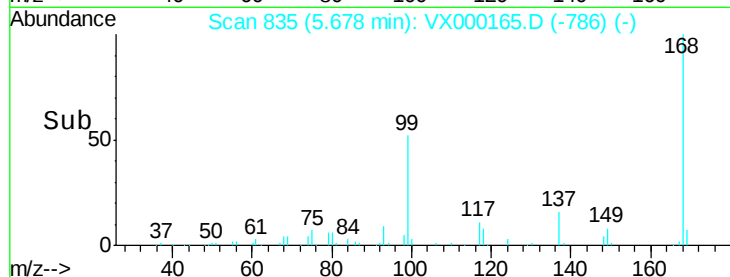
20000

10000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.84 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX000165.D

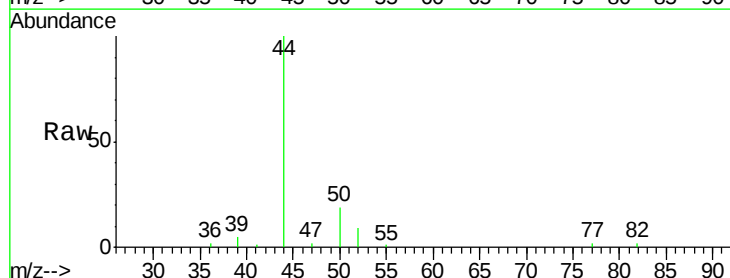
Acq: 28 Feb 2018 14:29

Tgt Ion: 50 Resp: 826

Ion Ratio Lower Upper

50 100

52 44.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

600

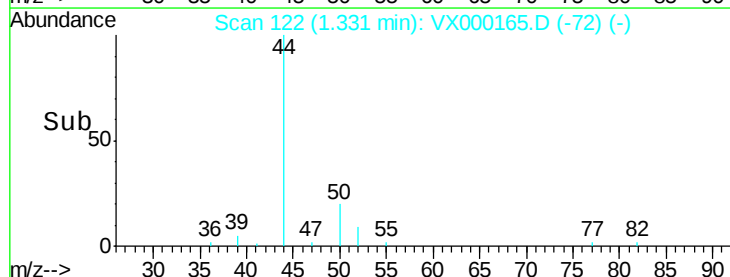
400

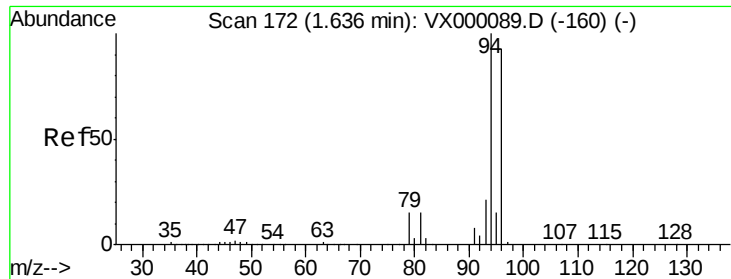
200

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

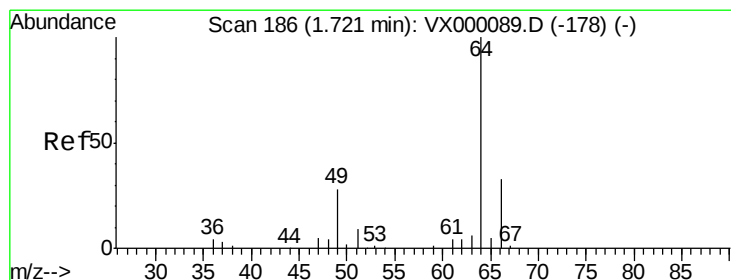
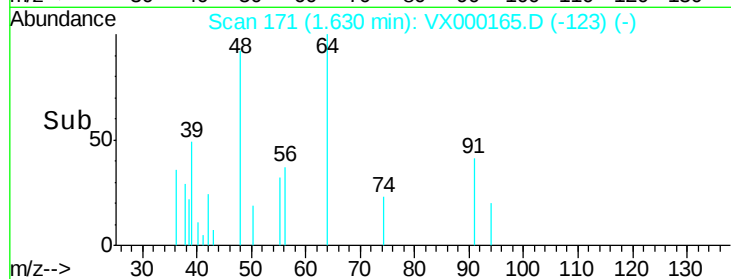
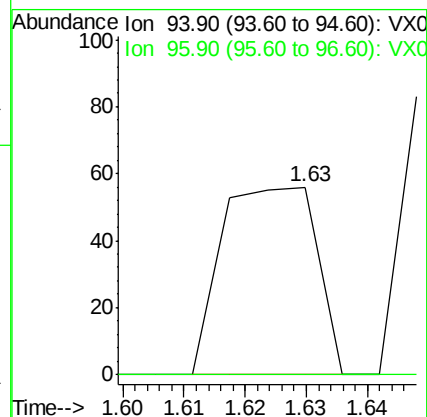
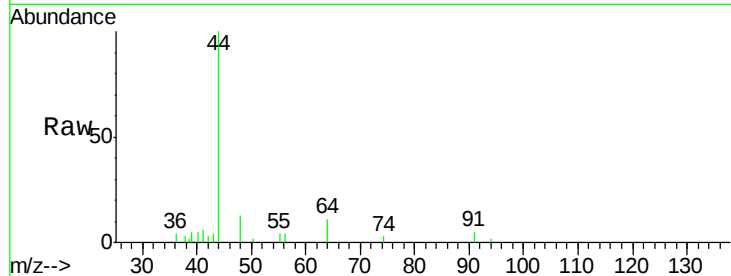
BR-2

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



#6

Chloroethane

Concen: 0.56 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000165.D

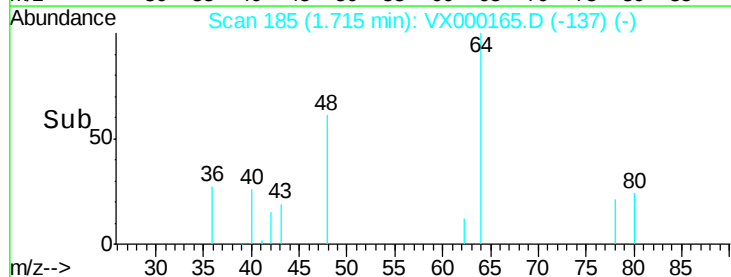
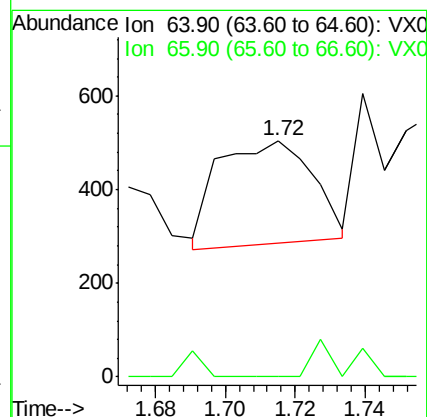
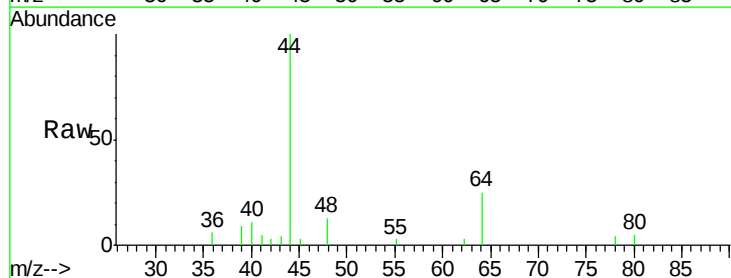
Acq: 28 Feb 2018 14:29

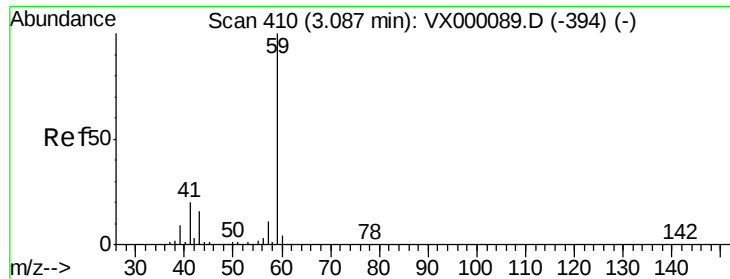
Tgt Ion: 64 Resp: 414

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#

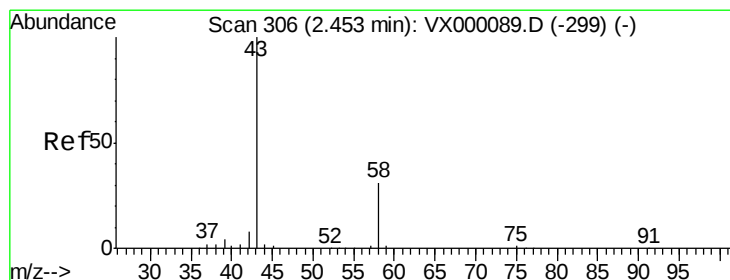
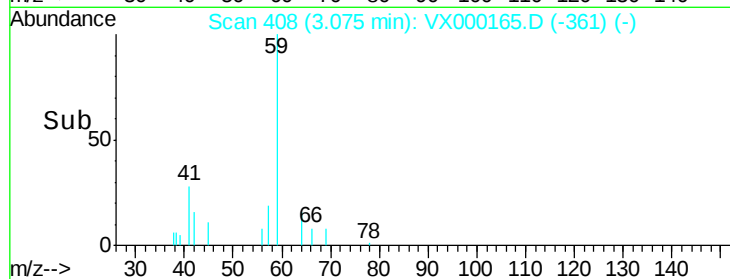
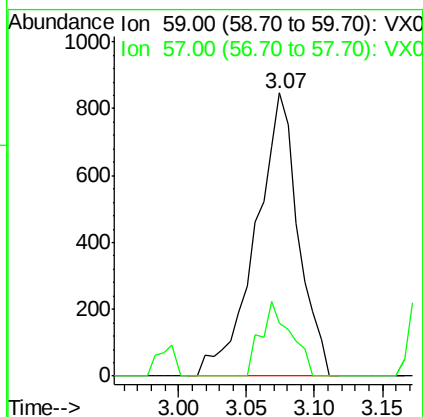
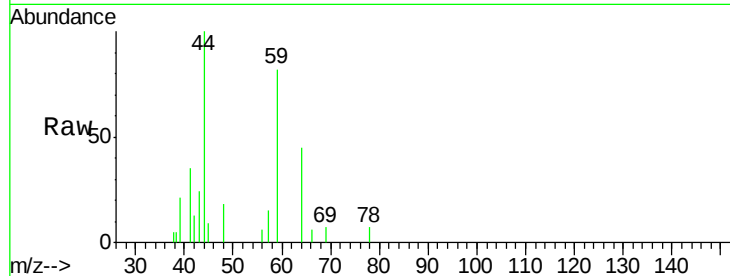




#11
Tert butyl alcohol
Concen: 3.97 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

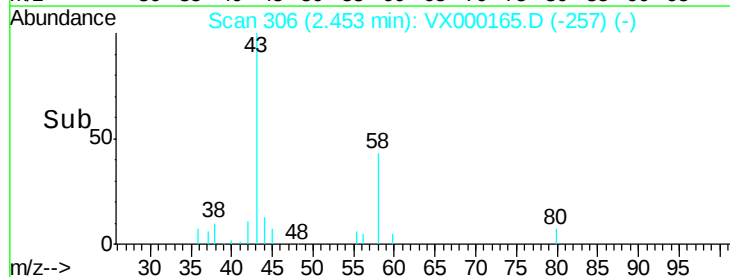
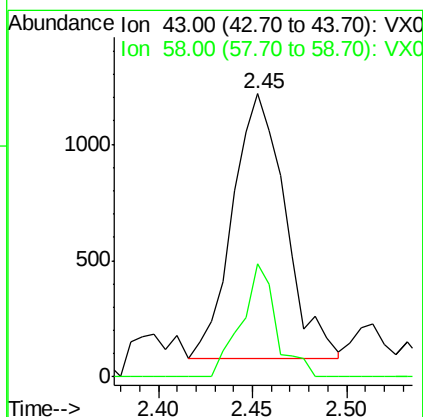
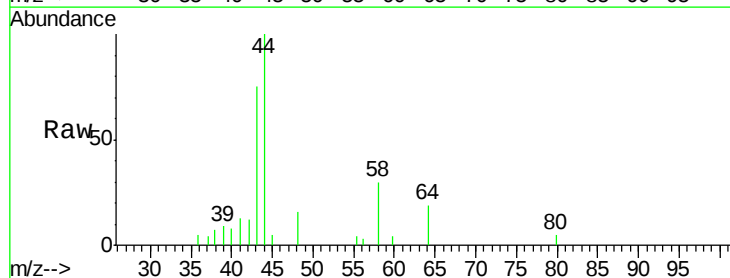
Instrument :
MSVOA_X
ClientSampled :
BR-2

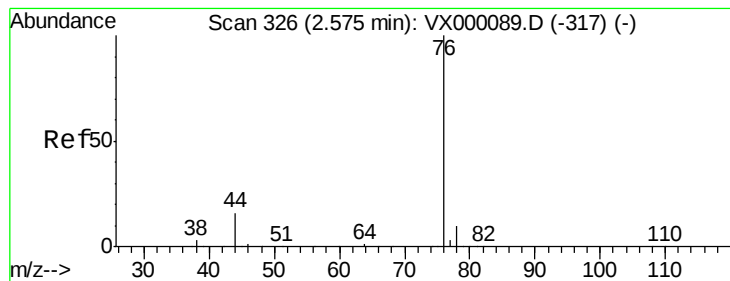
Tgt Ion: 59 Resp: 1856
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.80 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
58 43.0 25.0 37.4#





#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

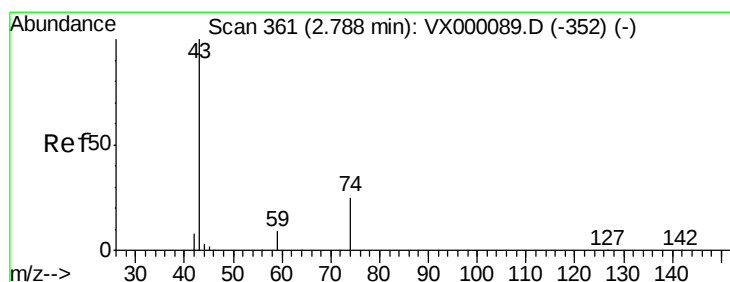
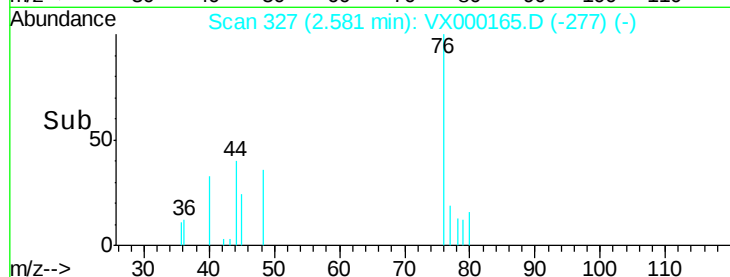
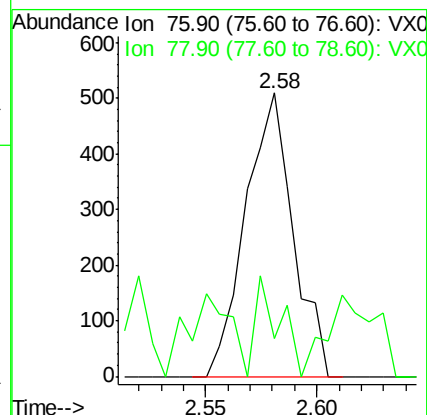
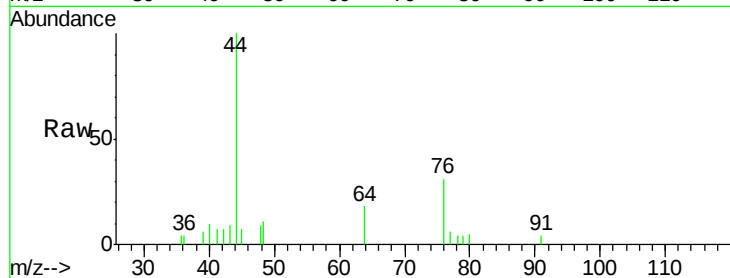
BR-2

Tgt Ion: 76 Resp: 757

Ion Ratio Lower Upper

76 100

78 1.0 7.8 11.8#



#18

Methyl Acetate

Concen: 0.23 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.01 min

Lab File: VX000165.D

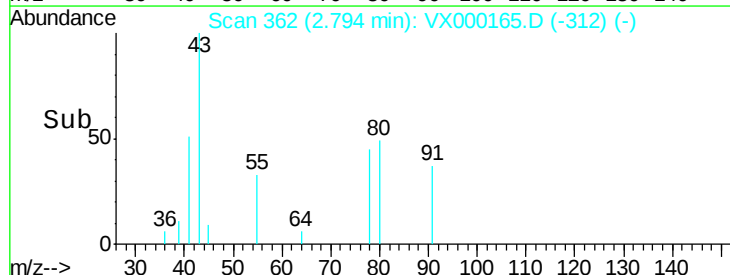
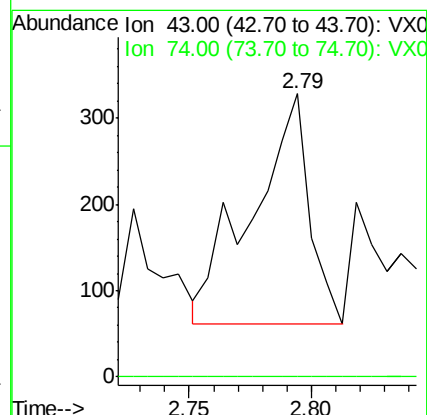
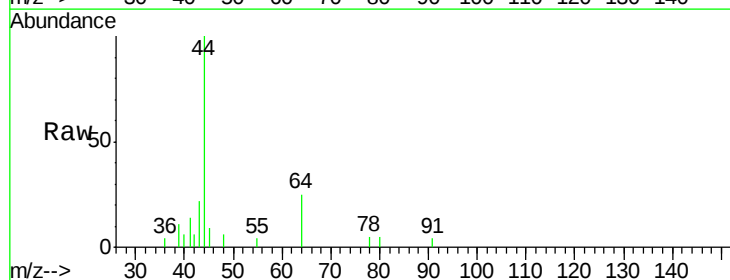
Acq: 28 Feb 2018 14:29

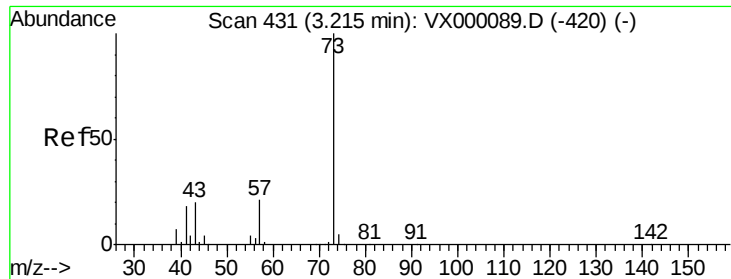
Tgt Ion: 43 Resp: 433

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.4#

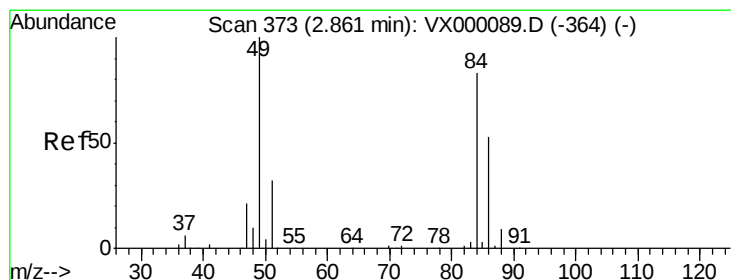
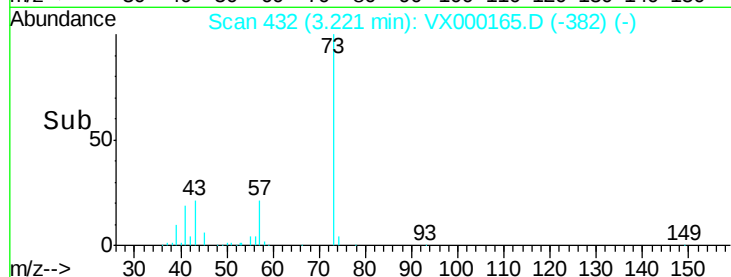
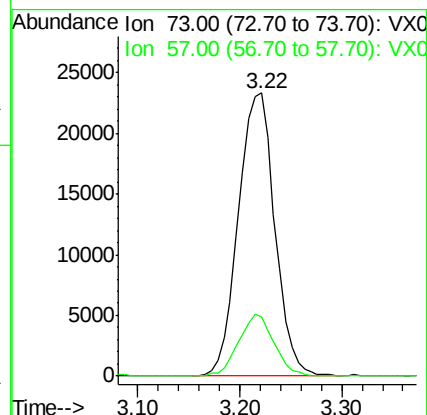
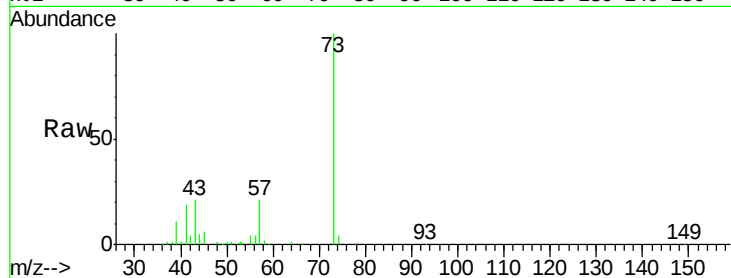




#19
Methyl tert-butyl Ether
Concen: 16.58 ug/l
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

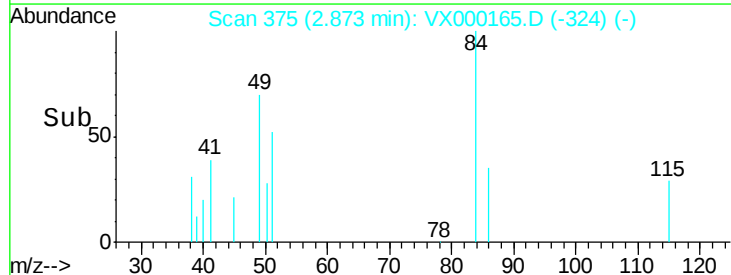
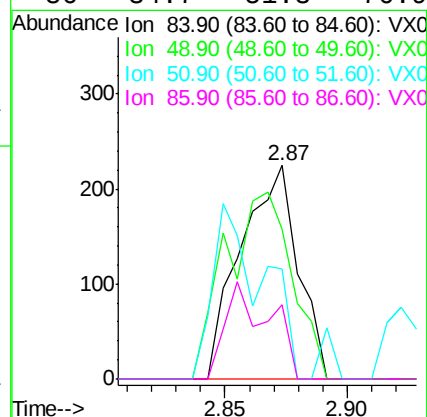
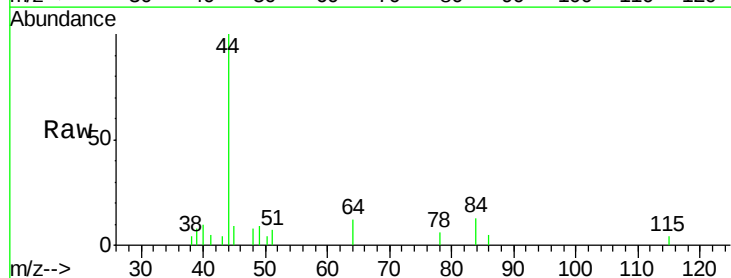
Instrument :
MSVOA_X
ClientSampled :
BR-2

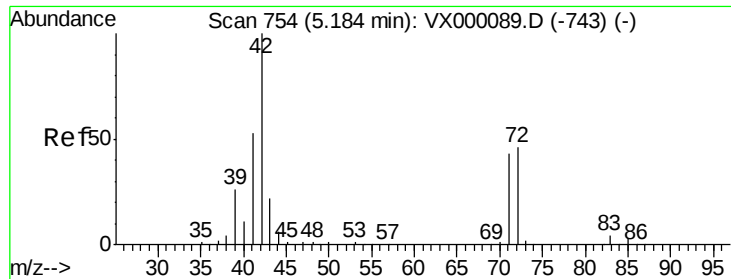
Tgt Ion: 73 Resp: 57908
Ion Ratio Lower Upper
73 100
57 21.0 16.4 24.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

Tgt Ion: 84 Resp: 367
Ion Ratio Lower Upper
84 100
49 70.2 96.1 144.1#
51 51.6 30.5 45.7#
86 34.7 51.3 76.9#





#29

Tetrahydrofuran

Concen: 1.05 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

BR-2

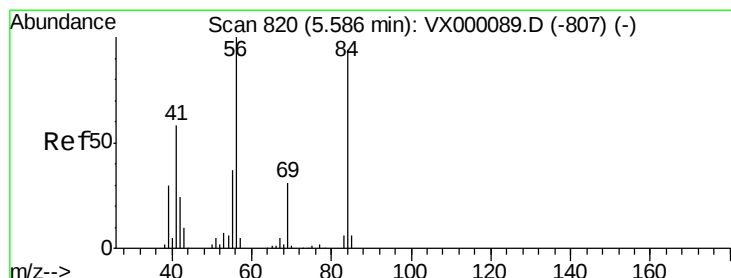
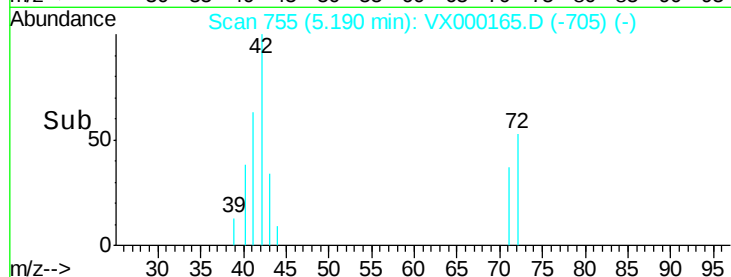
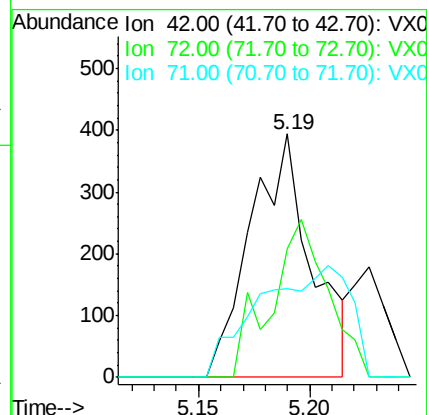
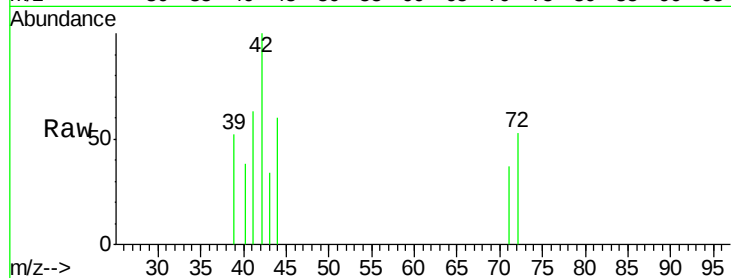
Tgt Ion: 42 Resp: 750

Ion Ratio Lower Upper

42 100

72 60.9 38.6 58.0#

71 68.7 36.2 54.4#



#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

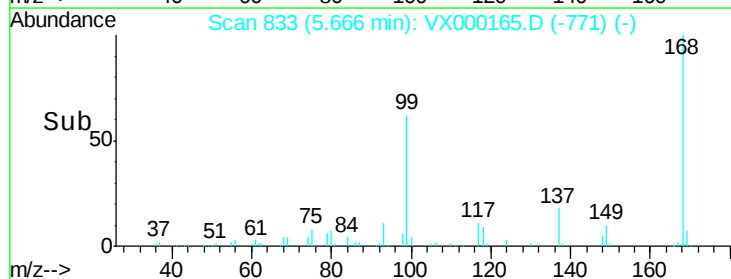
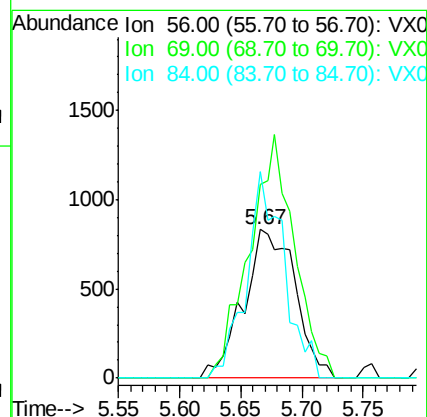
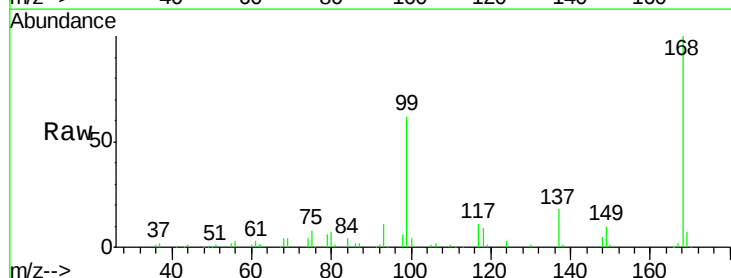
Tgt Ion: 56 Resp: 2444

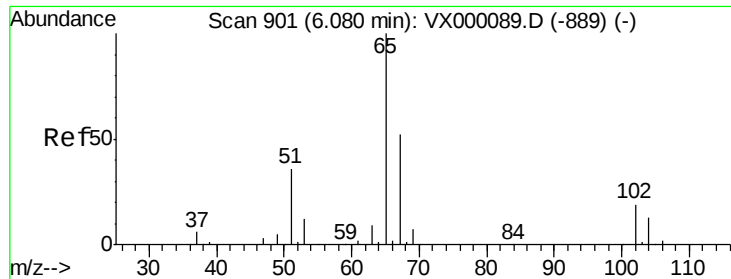
Ion Ratio Lower Upper

56 100

69 130.2 24.9 37.3#

84 139.4 75.0 112.4#

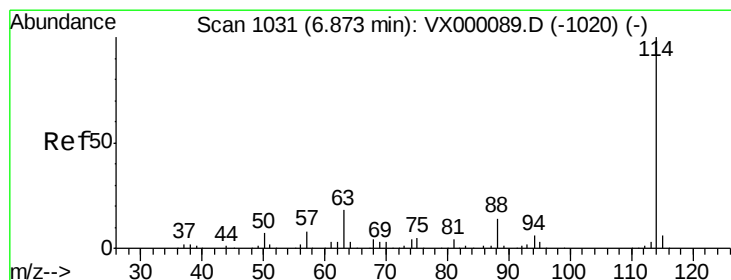
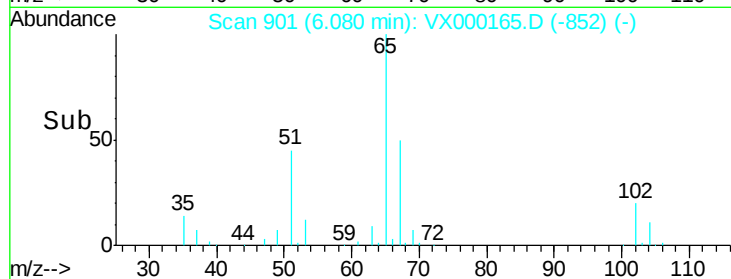
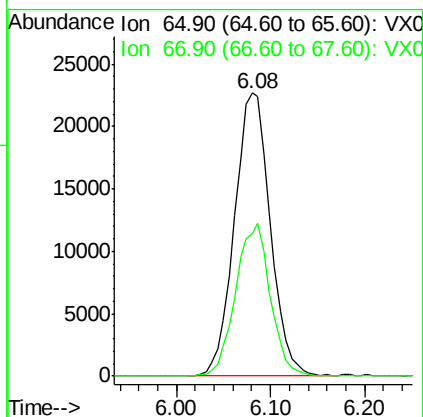
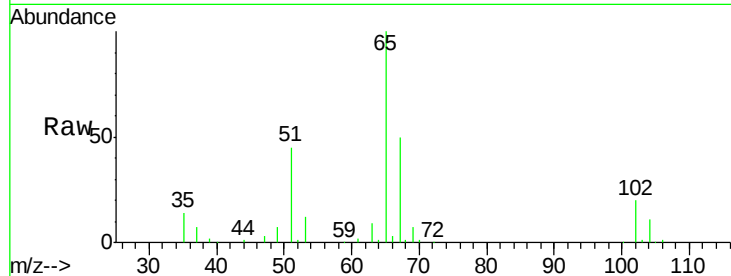




#33
 1,2-Dichloroethane-d4
 Concen: 49.69 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000165.D
 Acq: 28 Feb 2018 14:29

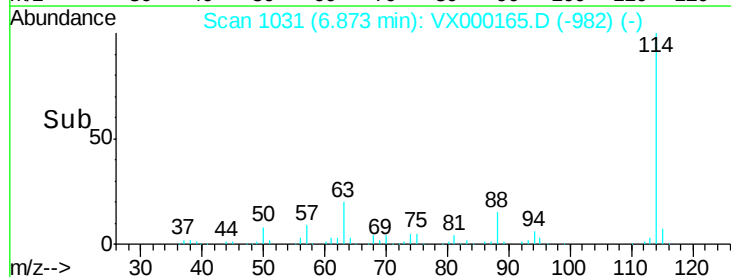
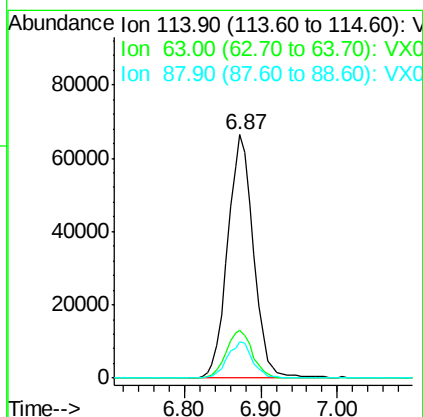
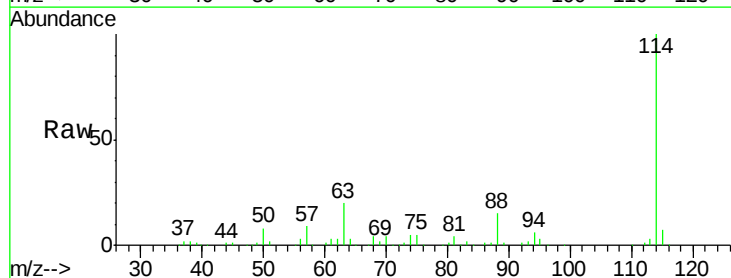
Instrument :
 MSVOA_X
 ClientSampled :
 BR-2

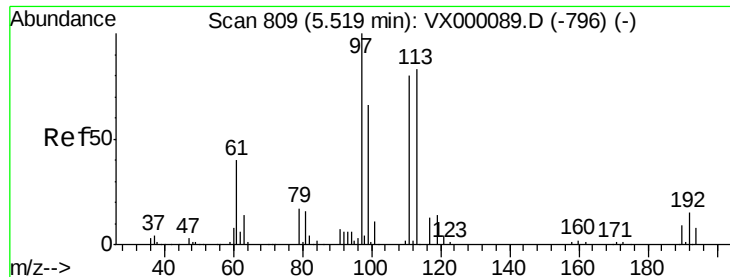
Tgt Ion: 65 Resp: 60287
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000165.D
 Acq: 28 Feb 2018 14:29

Tgt Ion: 114 Resp: 154788
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 36.4
 88 14.8 0.0 29.0

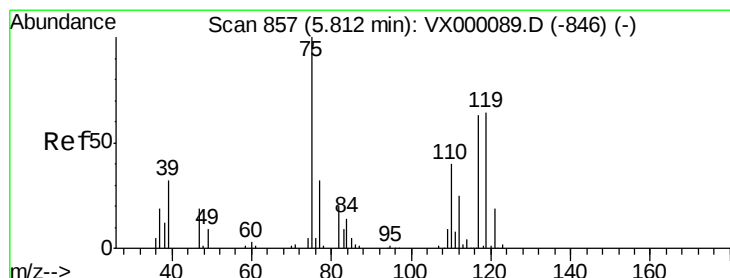
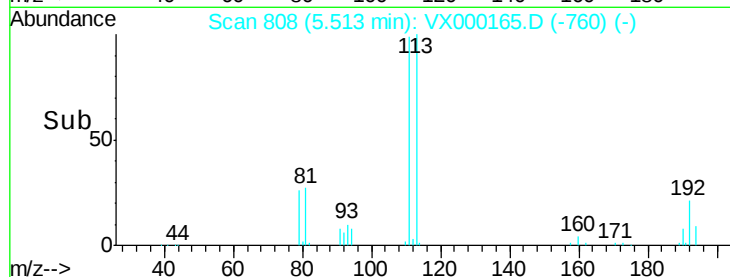
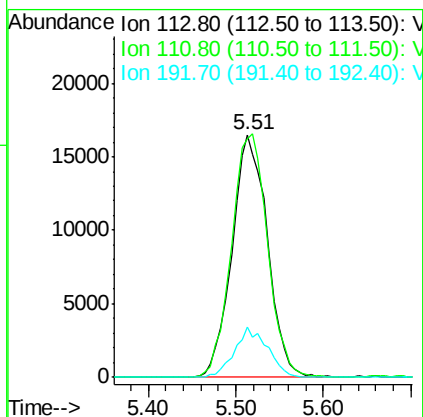
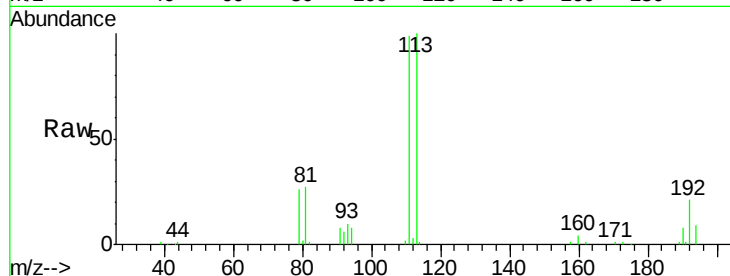




#35
Dibromofluoromethane
Concen: 47.28 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.01 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

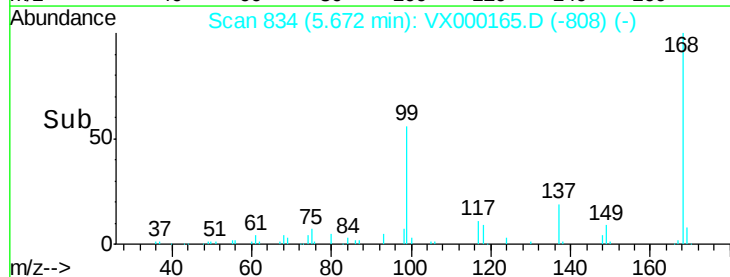
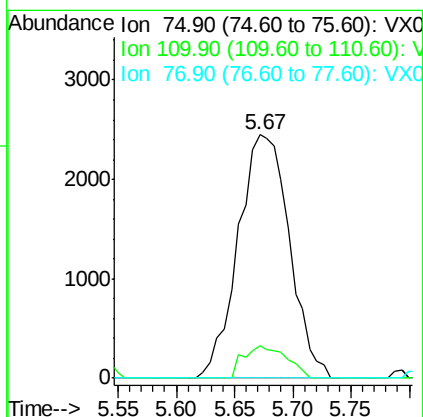
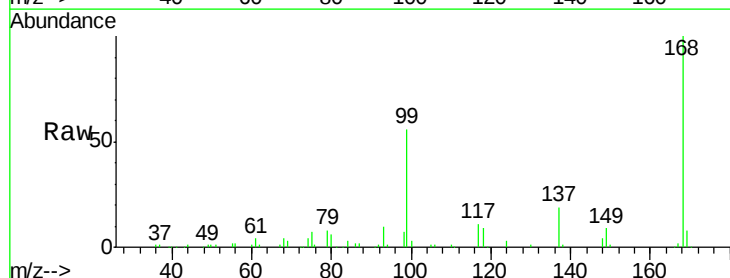
Instrument :
MSVOA_X
ClientSampleId :
BR-2

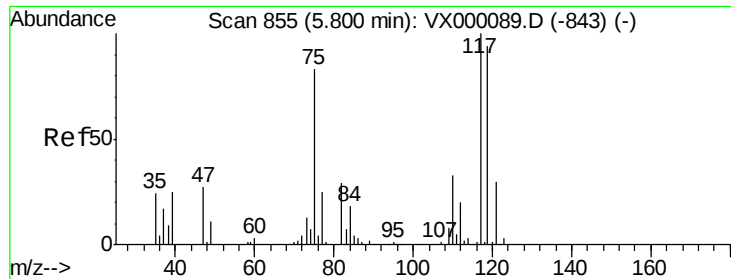
Tgt Ion:113 Resp: 46185
Ion Ratio Lower Upper
113 100
111 102.8 81.0 121.6
192 19.2 15.7 23.5



#36
1,1-Dichloropropene
Concen: 5.39 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.14 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

Tgt Ion: 75 Resp: 7480
Ion Ratio Lower Upper
75 100
110 11.1 19.5 58.5#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.50 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

BR-2

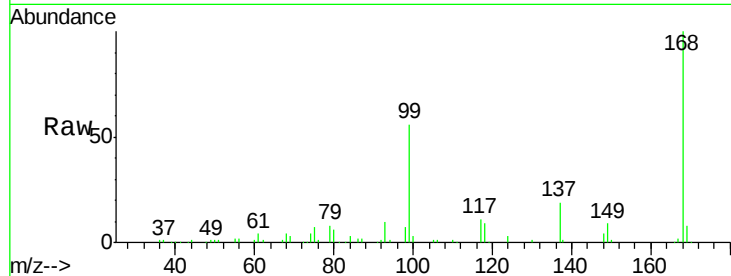
Tgt Ion:117 Resp: 9748

Ion Ratio Lower Upper

117 100

119 3.5 75.3 112.9#

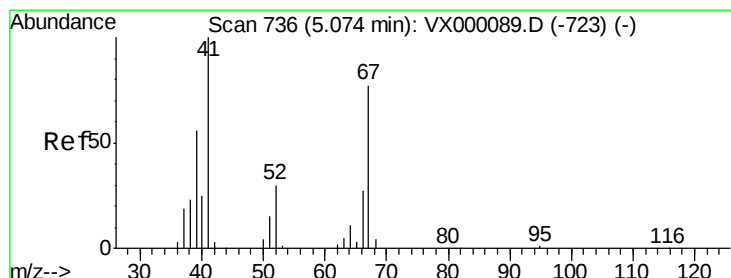
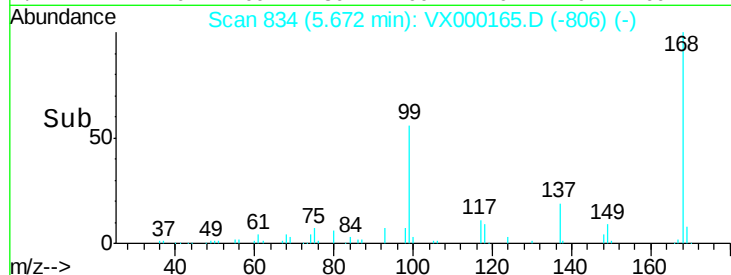
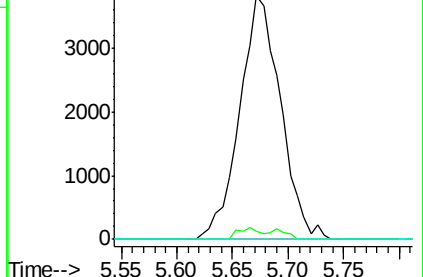
121 0.0 23.7 35.5#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Tgt Ion: 41 Resp: 45

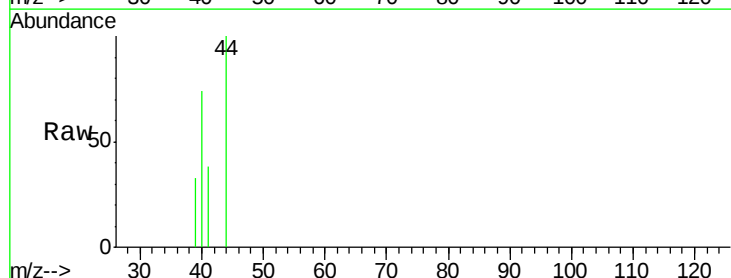
Ion Ratio Lower Upper

41 100

39 255.6 45.1 67.7#

67 0.0 61.0 91.4#

52 0.0 25.8 38.6#

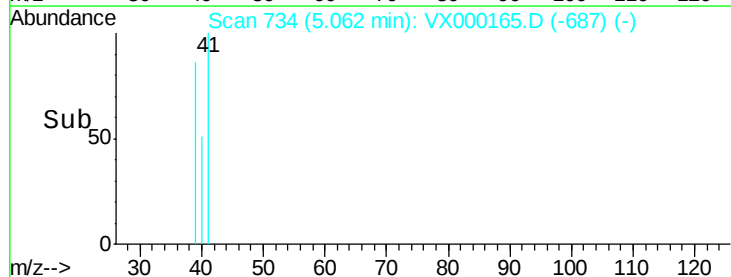
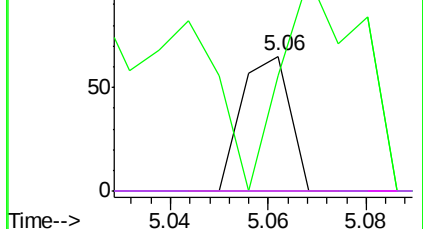


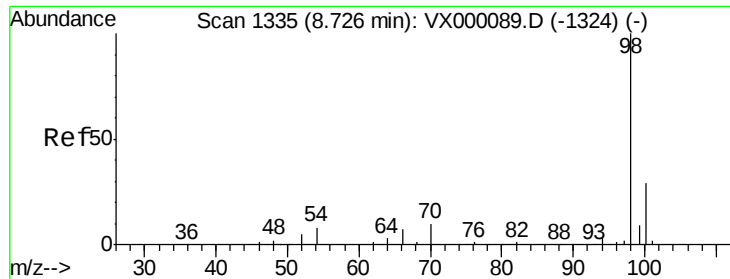
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 49.00 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

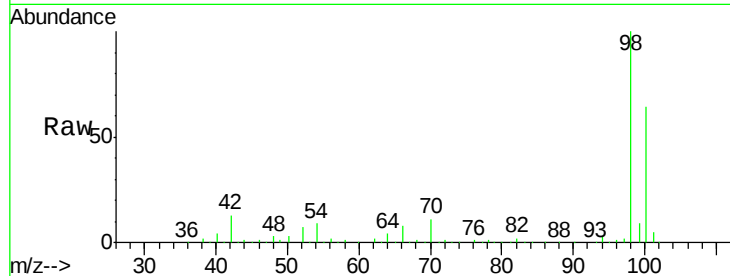
BR-2

Tgt Ion: 98 Resp: 188819

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX000089.D (-1324) (-)

Ion 100.00 (99.70 to 100.70): VX000089.D (-1324) (-)

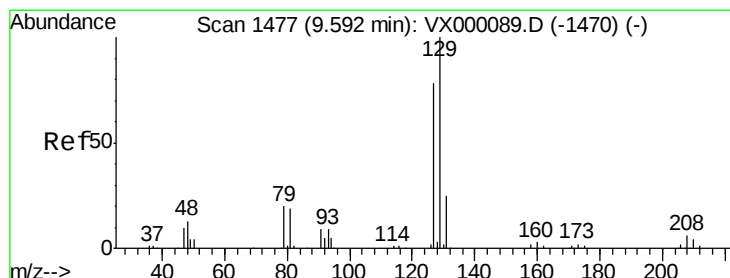
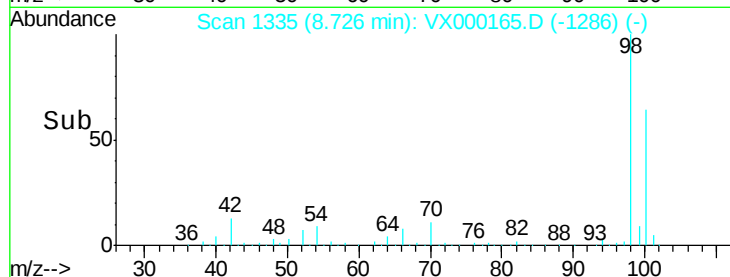
8.73

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 0.44 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX000165.D

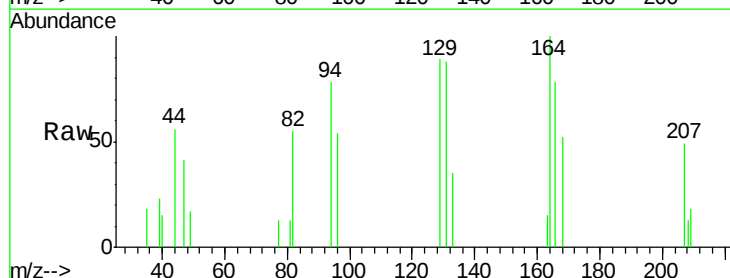
Acq: 28 Feb 2018 14:29

Tgt Ion: 129 Resp: 544

Ion Ratio Lower Upper

129 100

127 0.0 37.6 112.9#



Abundance Ion 128.80 (128.50 to 129.50): VX000089.D (-1470) (-)

Ion 126.80 (126.50 to 127.50): VX000089.D (-1470) (-)

9.34

400

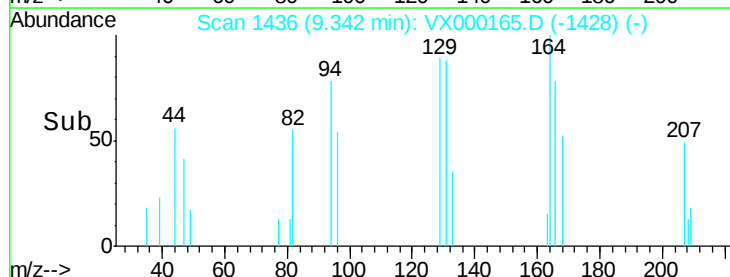
300

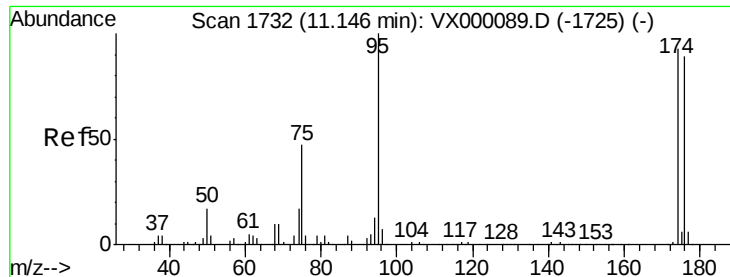
200

100

0

Time-->

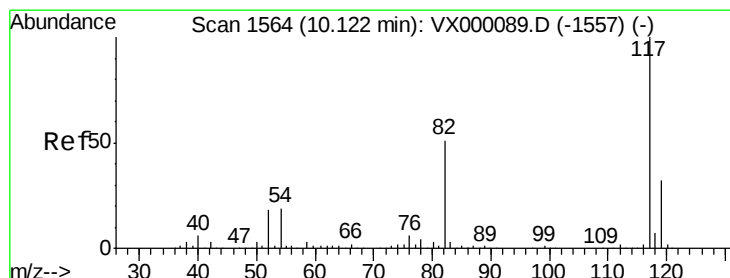
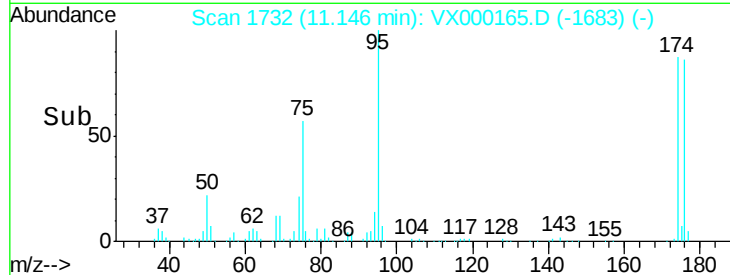
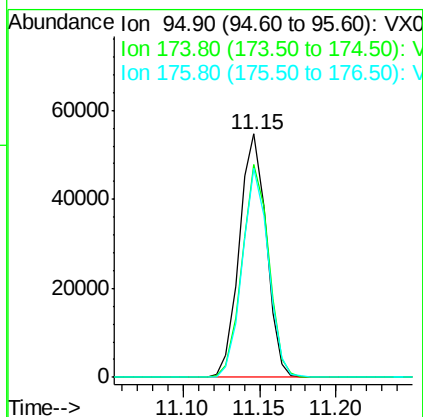
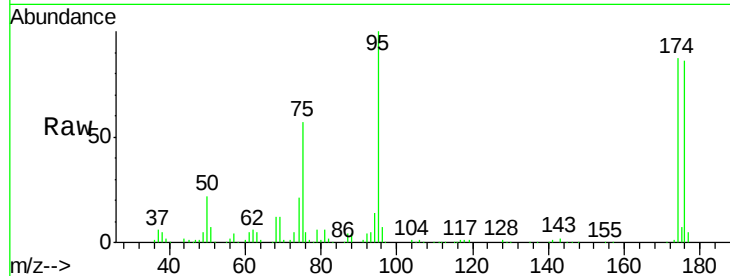




#62
4-Bromofluorobenzene
Concen: 44.23 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

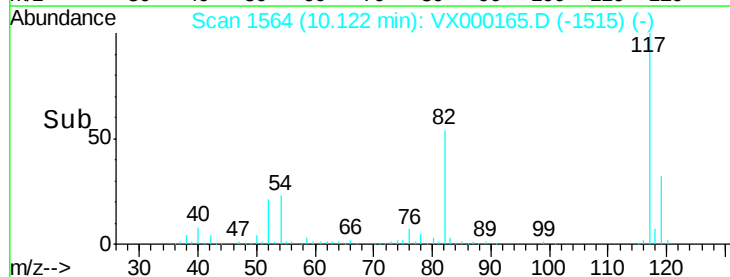
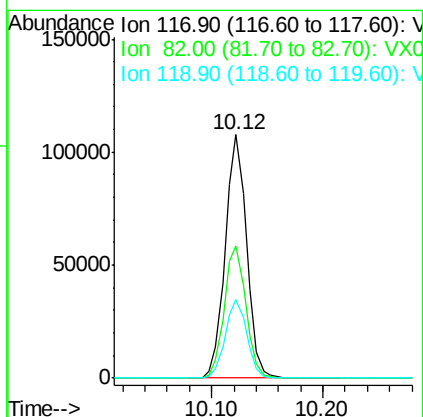
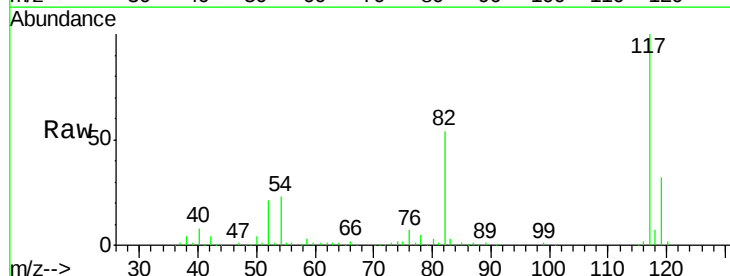
Instrument :
MSVOA_X
ClientSampleId :
BR-2

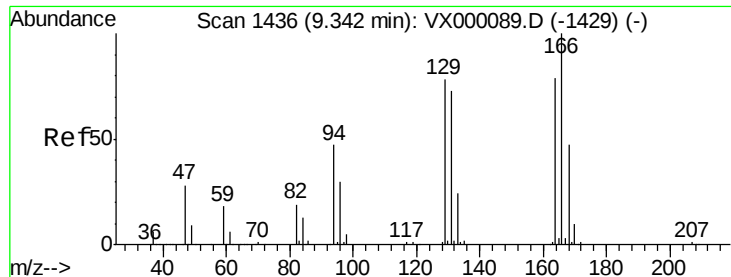
Tgt Ion: 95 Resp: 66827
Ion Ratio Lower Upper
95 100
174 85.9 0.0 187.8
176 83.0 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

Tgt Ion: 117 Resp: 143034
Ion Ratio Lower Upper
117 100
82 54.2 41.0 61.6
119 32.2 25.5 38.3

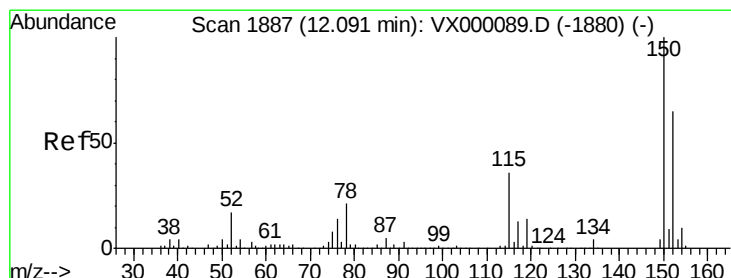
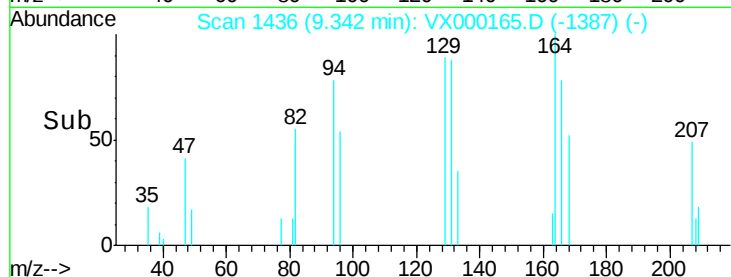
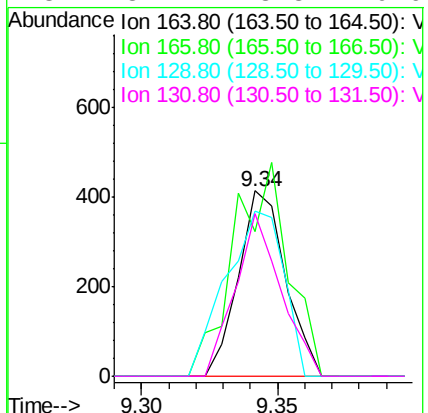
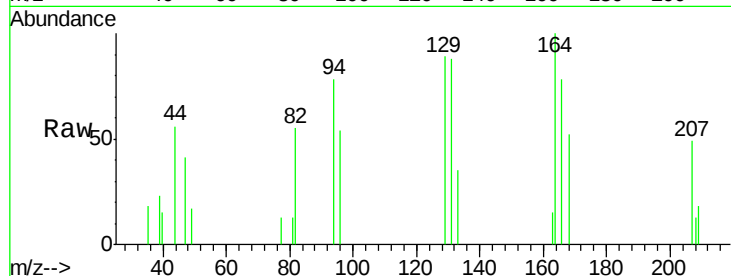




#64
Tetrachloroethene
Concen: 0.48 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

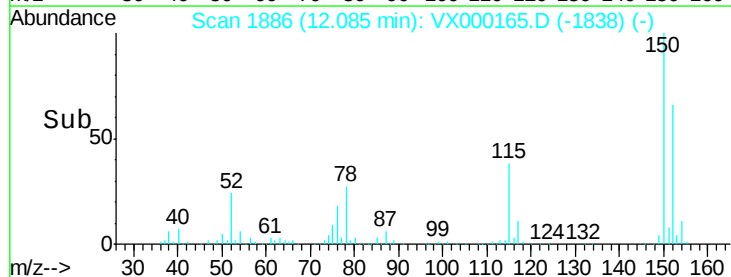
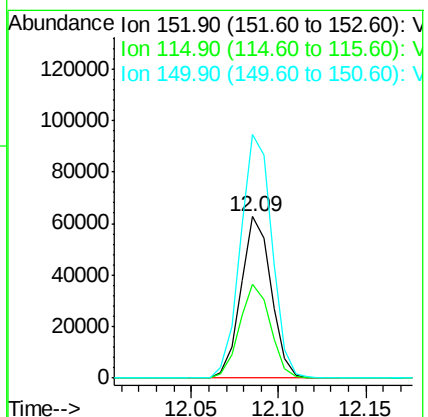
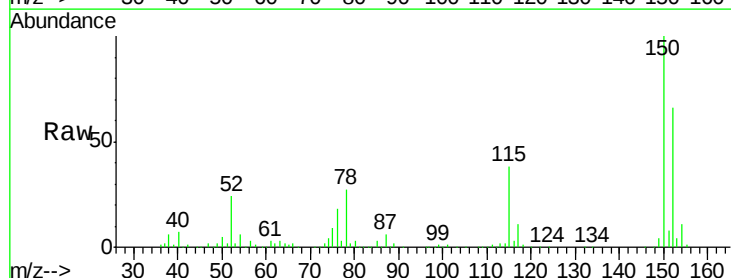
Instrument :
MSVOA_X
ClientSampled :
BR-2

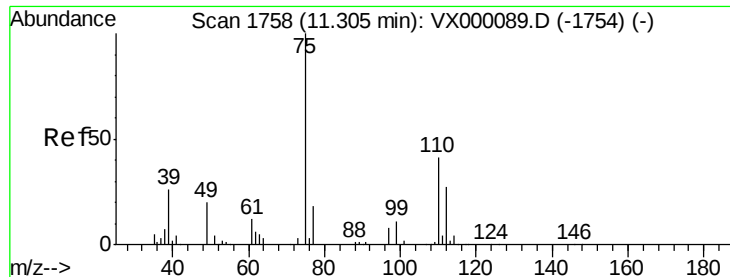
Tgt Ion:164 Resp: 496
Ion Ratio Lower Upper
164 100
166 77.8 101.4 152.2#
129 89.1 78.6 118.0
131 87.7 73.8 110.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000165.D
Acq: 28 Feb 2018 14:29

Tgt Ion:152 Resp: 75303
Ion Ratio Lower Upper
152 100
115 59.1 39.1 117.2
150 157.0 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.48 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

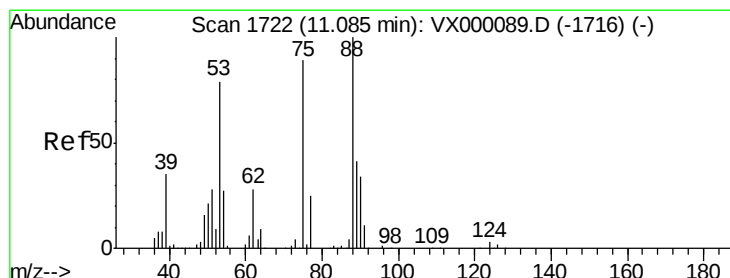
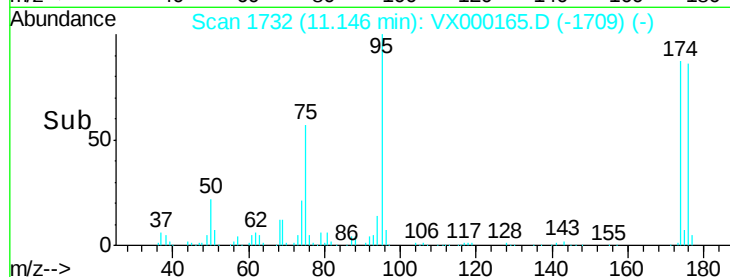
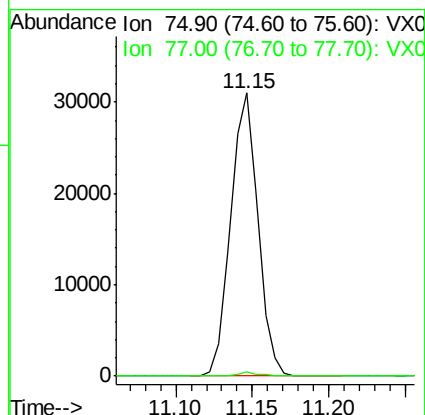
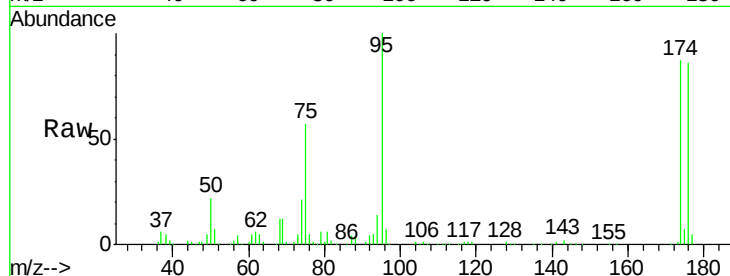
BR-2

Tgt Ion: 75 Resp: 38188

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000165.D

Acq: 28 Feb 2018 14:29

Tgt Ion: 75 Resp: 38188

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#

