

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
 Data File : VX000147.D
 Acq On : 27 Feb 2018 16:44
 Operator : JC/MD
 Sample : J1674-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ClientSampled :
 BR-2

Quant Time: Feb 28 04:40:57 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	5.67	168	110900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	75378	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	68584	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	5.51	113	52607	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
50) Toluene-d8	8.73	98	211981	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.15	95	72587	41.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.78%	

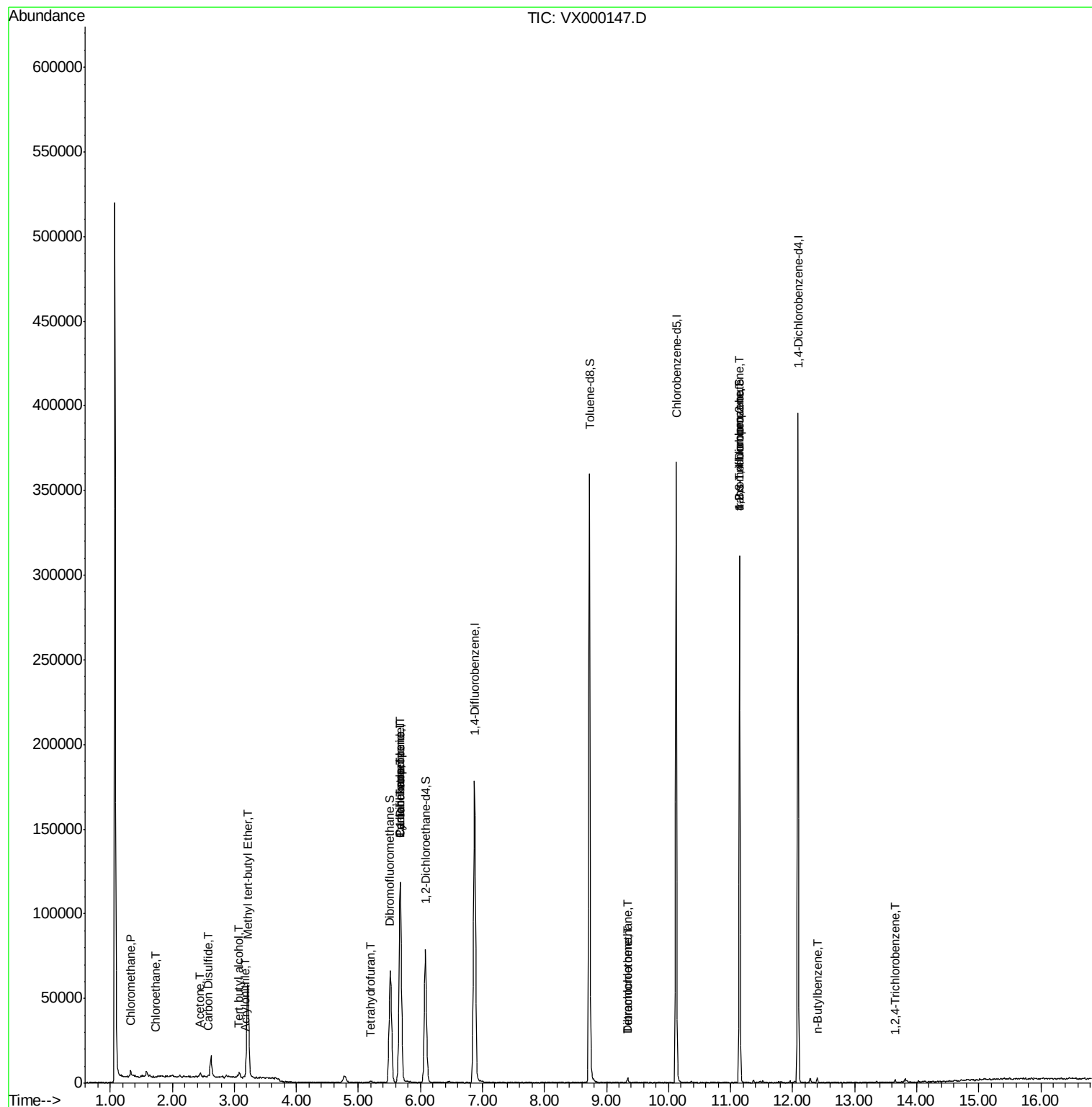
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1755	1.57	ug/l	95
5) Bromomethane	1.62	94	108	Below Cal	#	3
6) Chloroethane	1.72	64	225	0.27	ug/l	42
11) Tert butyl alcohol	3.07	59	4128	7.73	ug/l	100
15) Acrylonitrile	3.17	53	287	0.31	ug/l	17
16) Acetone	2.45	43	3000	3.34	ug/l	100
17) Carbon Disulfide	2.57	76	901	0.26	ug/l	6
19) Methyl tert-butyl Ether	3.21	73	63443	15.91	ug/l	99
20) Methylene Chloride	2.86	84	281	Below Cal	#	85
29) Tetrahydrofuran	5.19	42	595	0.73	ug/l	42
31) Cyclohexane	5.67	56	2591	1.50	ug/l	17
36) 1,1-Dichloropropene	5.67	75	9029	5.60	ug/l	49
38) Carbon Tetrachloride	5.67	117	11035	6.34	ug/l	17
41) Methacrylonitrile	5.08	41	65	Below Cal	#	21
60) Dibromochloromethane	9.35	129	447	0.31	ug/l	12
64) Tetrachloroethene	9.35	164	455	0.40	ug/l	84
76) 1,2,3-Trichloropropane	11.15	75	41005	26.26	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.15	75	41005	74.79	ug/l	12
89) n-Butylbenzene	12.39	91	1310	0.31	ug/l	86
93) 1,2,4-Trichlorobenzene	13.65	180	523	0.29	ug/l	94

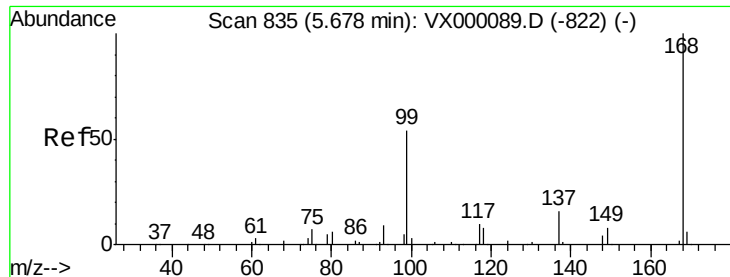
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022718\
Data File : VX000147.D
Acq On : 27 Feb 2018 16:44
Operator : JC/MD
Sample : J1674-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ClientSampleId :
BR-2

Quant Time: Feb 28 04:40:57 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: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

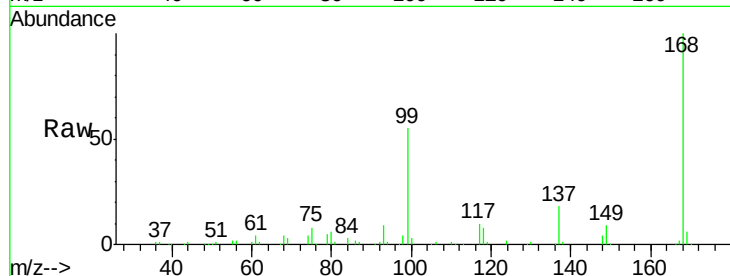
Instrument :
ClientSampled :
BR-2

Tgt Ion: 168 Resp: 110900

Ion Ratio Lower Upper

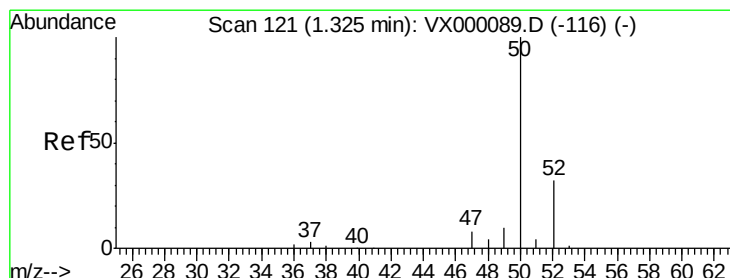
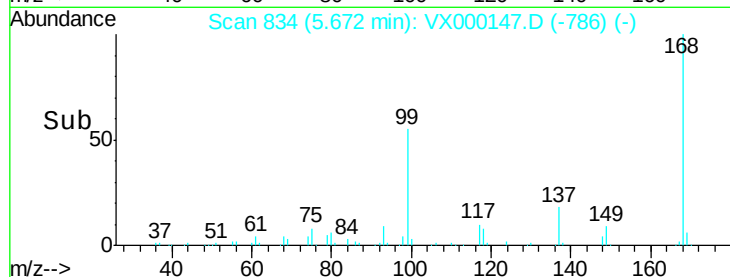
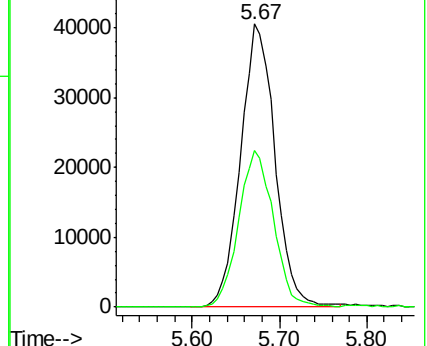
168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.57 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000147.D

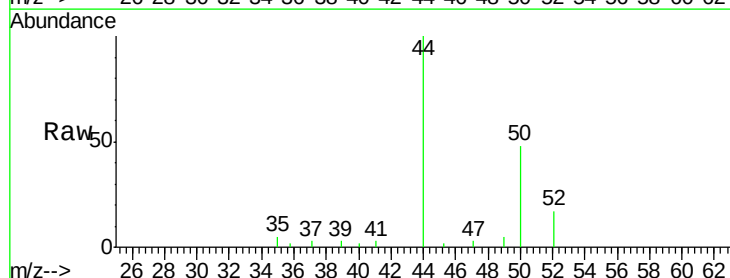
Acq: 27 Feb 2018 16:44

Tgt Ion: 50 Resp: 1755

Ion Ratio Lower Upper

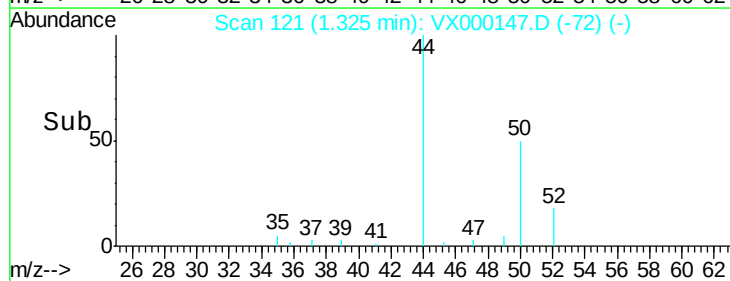
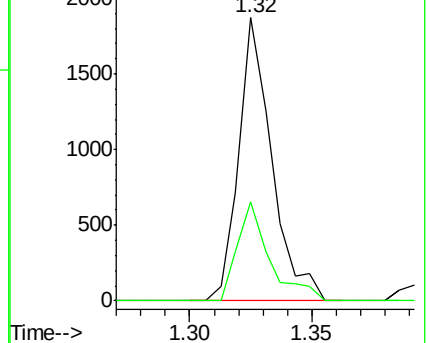
50 100

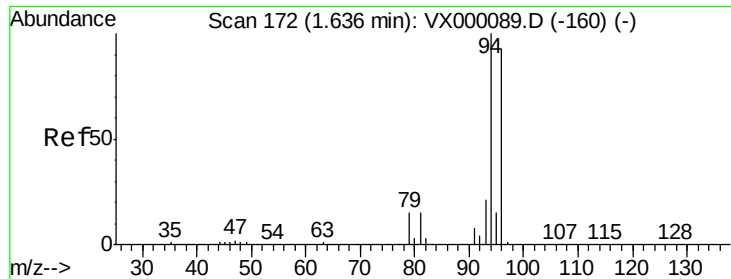
52 35.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

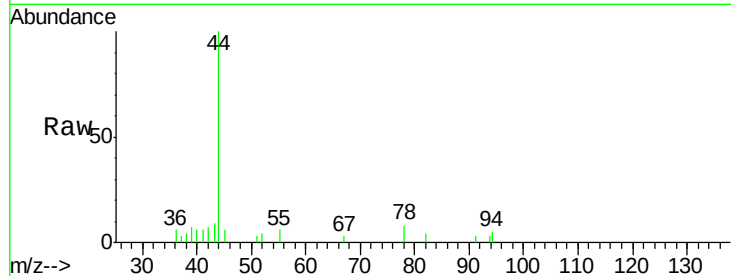
Instrument :
ClientSampled :
BR-2

Tgt Ion: 94 Resp: 108

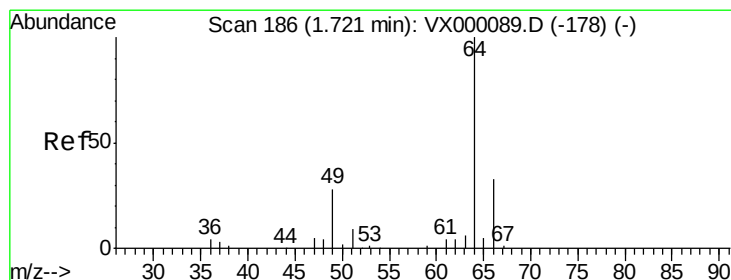
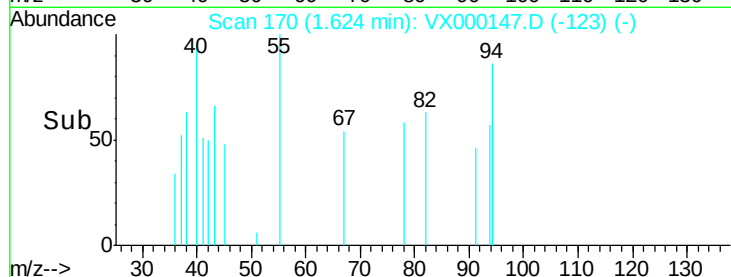
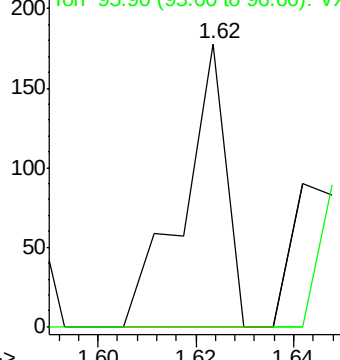
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX000147.D

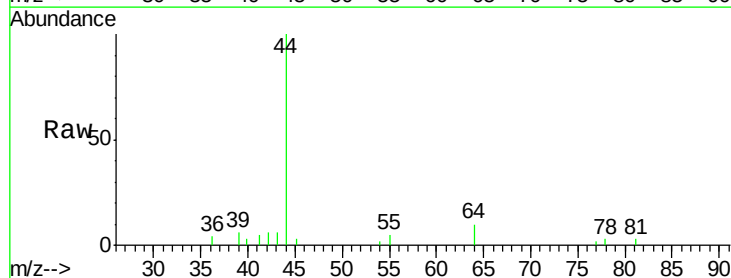
Acq: 27 Feb 2018 16:44

Tgt Ion: 64 Resp: 225

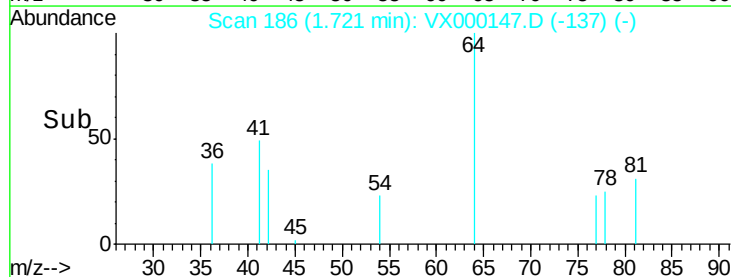
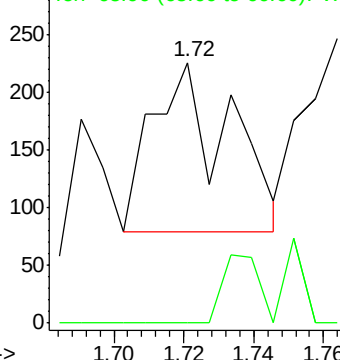
Ion Ratio Lower Upper

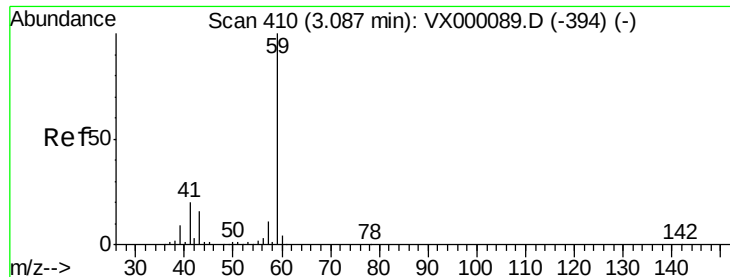
64 100

66 0.0 26.0 39.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0

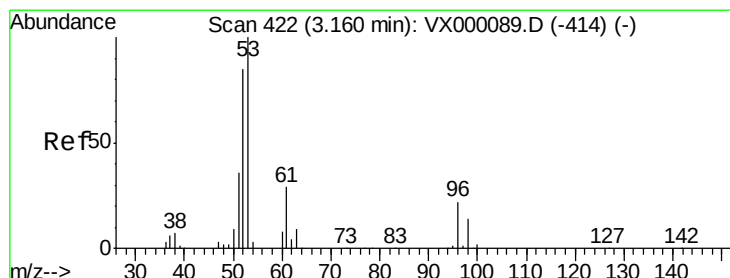
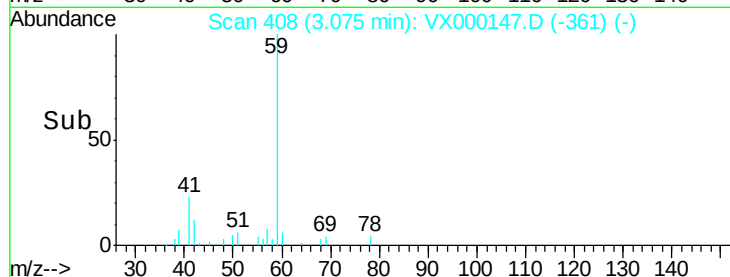
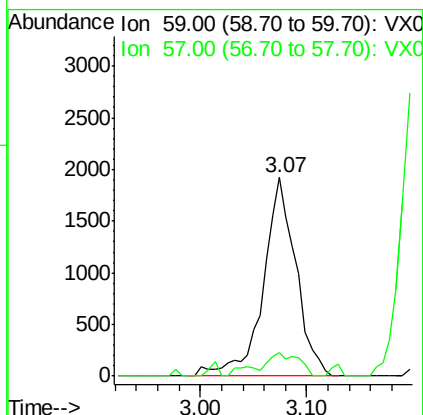
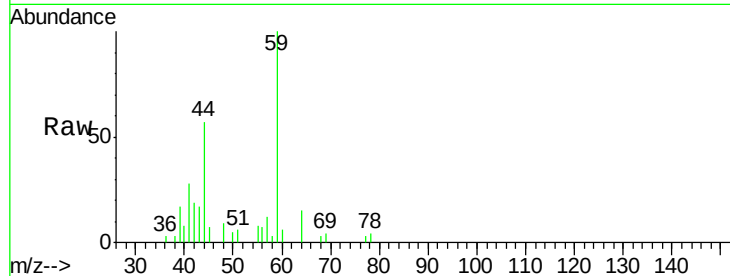




#11
Tert butyl alcohol
Concen: 7.73 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

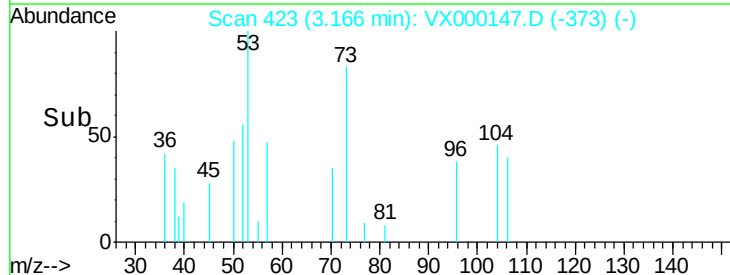
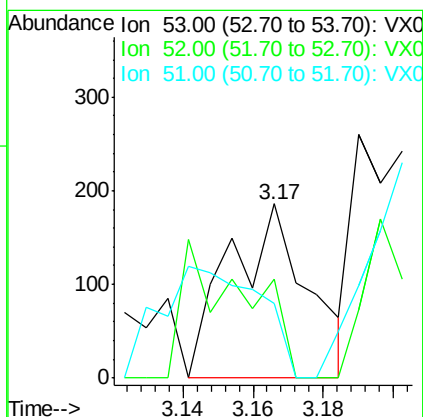
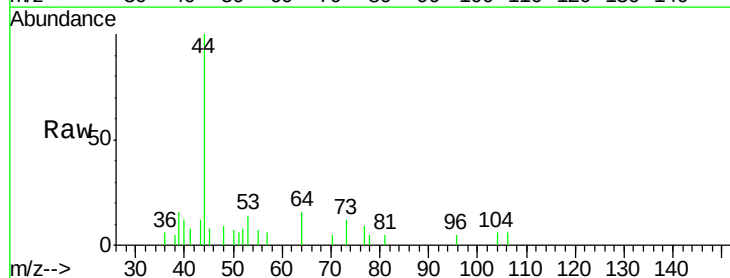
Instrument :
ClientSampled :
BR-2

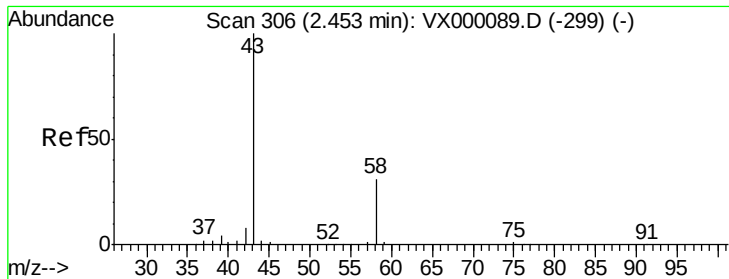
Tgt Ion: 59 Resp: 4128
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5



#15
Acrylonitrile
Concen: 0.31 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

Tgt Ion: 53 Resp: 287
Ion Ratio Lower Upper
53 100
52 0.0 66.5 99.7#
51 0.0 29.0 43.6#





#16

Acetone

Concen: 3.34 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

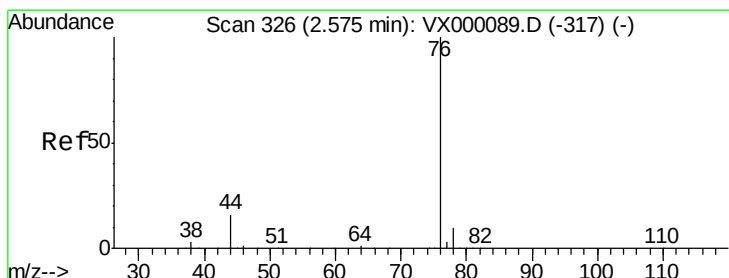
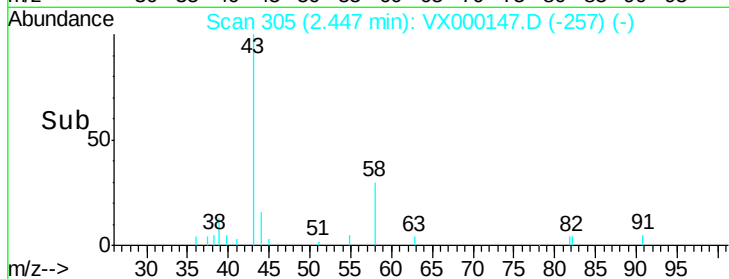
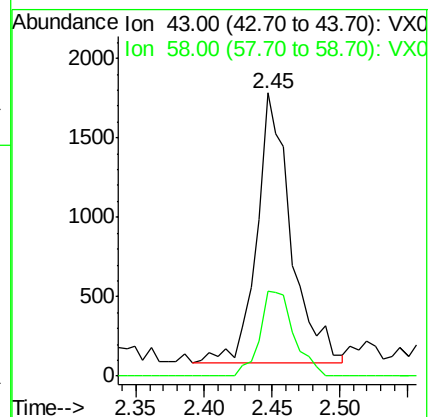
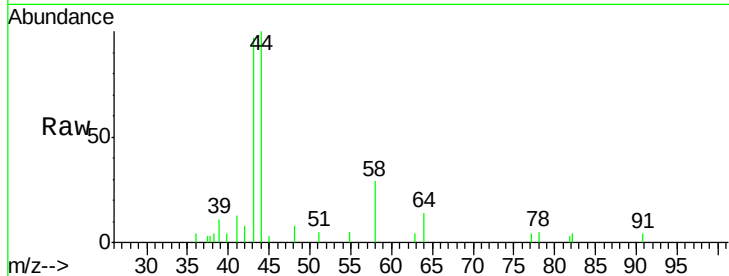
Instrument :
ClientSampled :
BR-2

Tgt Ion: 43 Resp: 3000

Ion Ratio Lower Upper

43 100

58 31.5 25.0 37.4



#17

Carbon Disulfide

Concen: 0.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX000147.D

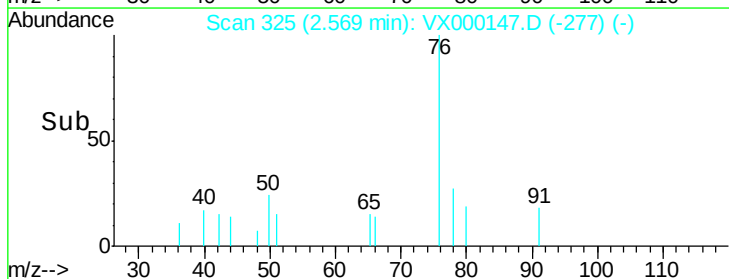
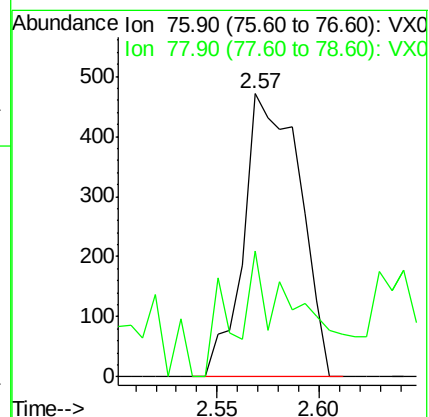
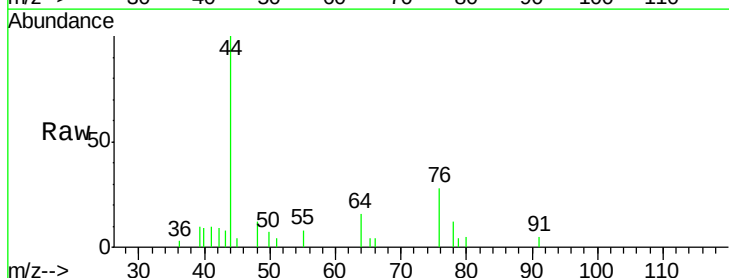
Acq: 27 Feb 2018 16:44

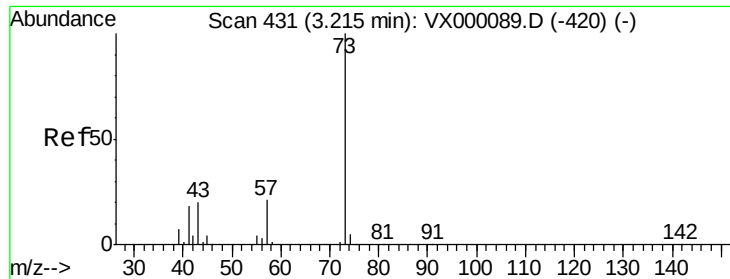
Tgt Ion: 76 Resp: 901

Ion Ratio Lower Upper

76 100

78 44.4 7.8 11.8#





#19

Methyl tert-butyl Ether

Concen: 15.91 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Instrument :

ClientSampled :

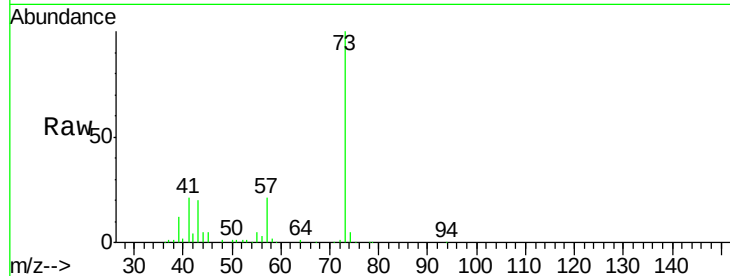
BR-2

Tgt Ion: 73 Resp: 63443

Ion Ratio Lower Upper

73 100

57 20.8 16.4 24.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

25000

20000

15000

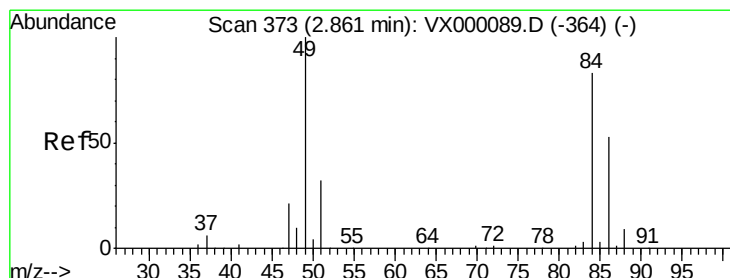
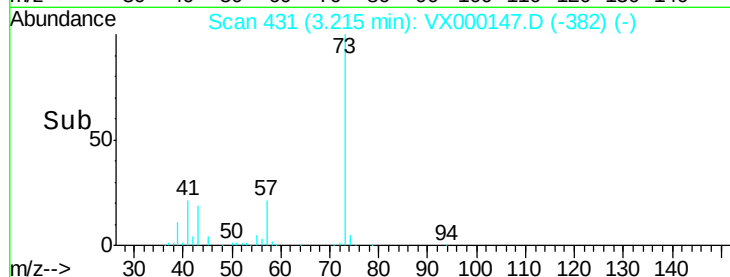
10000

5000

0

Time-->

3.10 3.20 3.30



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Tgt Ion: 84 Resp: 281

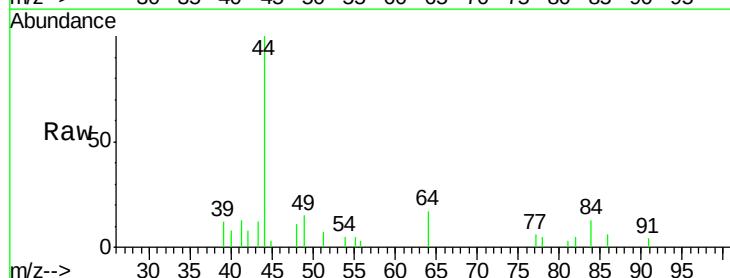
Ion Ratio Lower Upper

84 100

49 111.4 96.1 144.1

51 52.5 30.5 45.7#

86 45.7 51.3 76.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

400

300

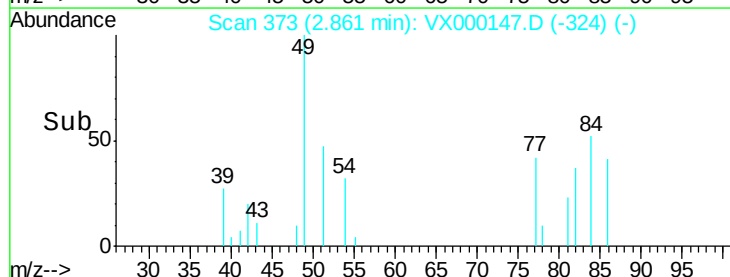
200

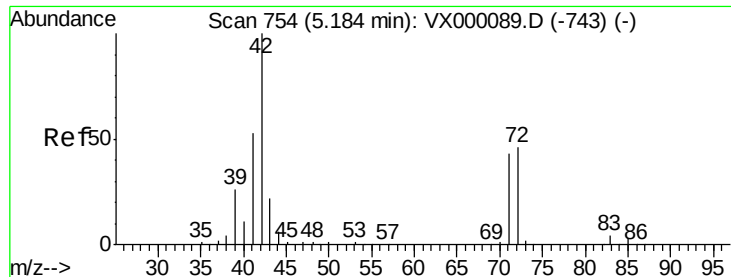
100

0

Time-->

2.85 2.86 2.90

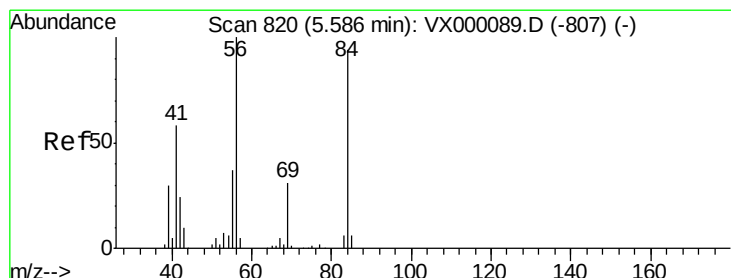
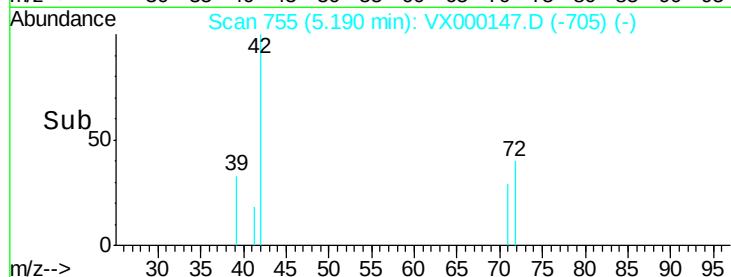
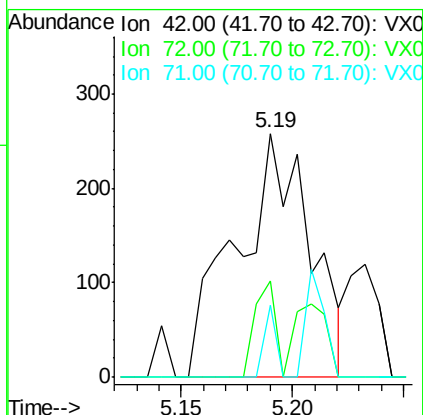
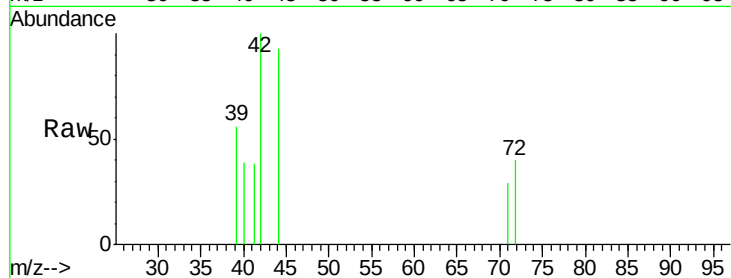




#29
Tetrahydrofuran
Concen: 0.73 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

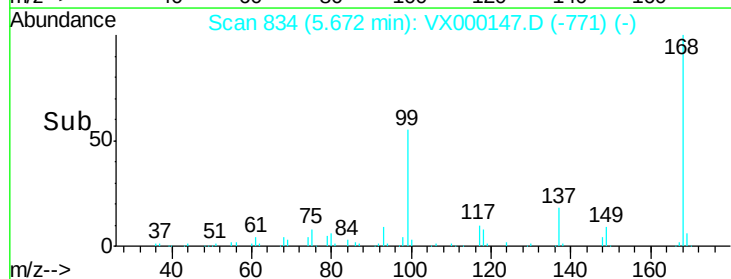
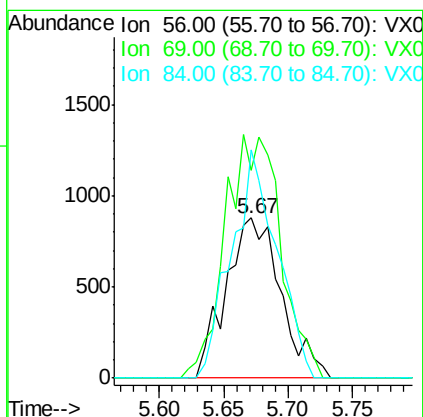
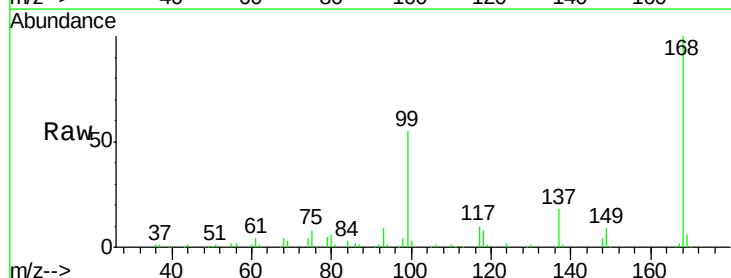
Instrument :
ClientSampled :
BR-2

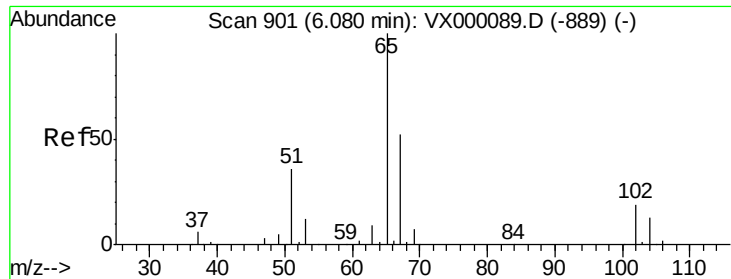
Tgt Ion: 42 Resp: 595
Ion Ratio Lower Upper
42 100
72 11.1 38.6 58.0#
71 4.7 36.2 54.4#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

Tgt Ion: 56 Resp: 2591
Ion Ratio Lower Upper
56 100
69 129.5 24.9 37.3#
84 142.9 75.0 112.4#

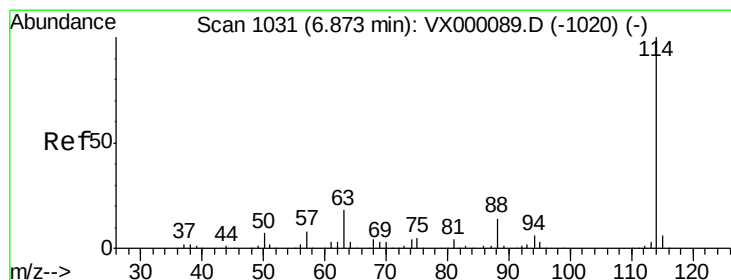
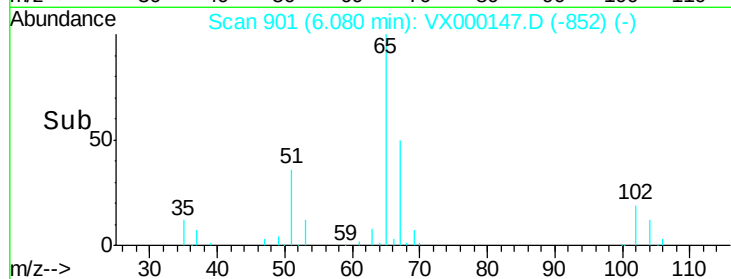
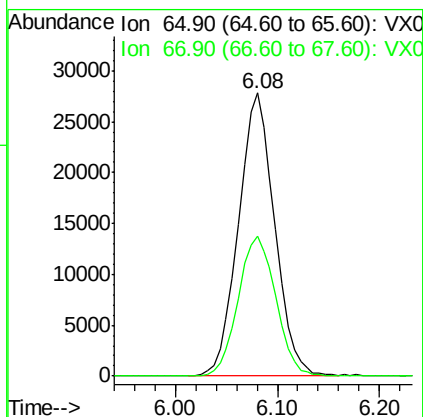
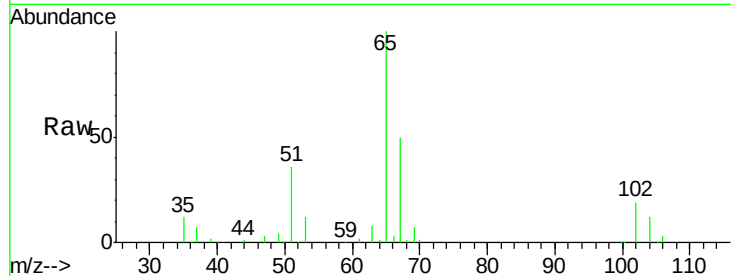




#33
 1,2-Dichloroethane-d4
 Concen: 49.52 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000147.D
 Acq: 27 Feb 2018 16:44

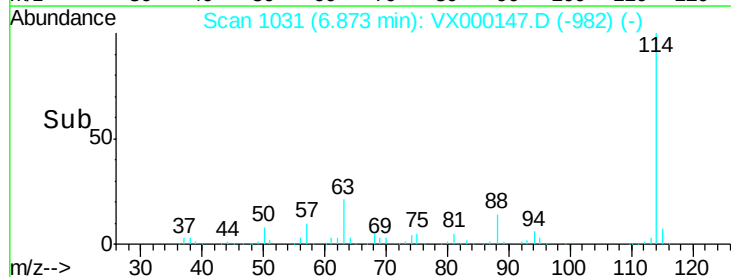
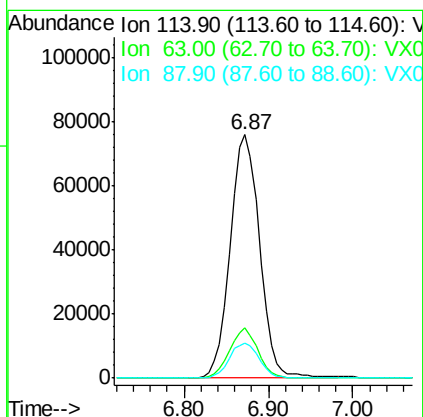
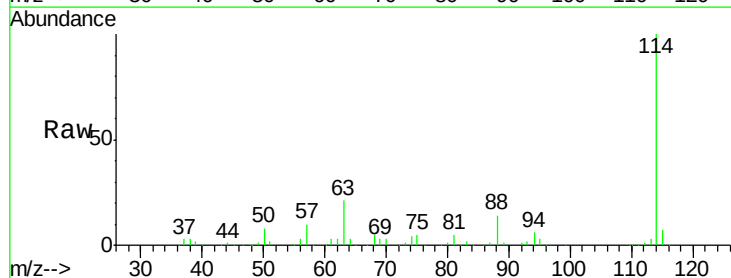
Instrument :
 ClientSampled :
 BR-2

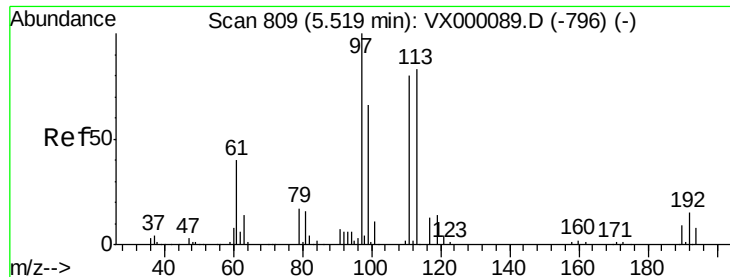
Tgt Ion: 65 Resp: 68584
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000147.D
 Acq: 27 Feb 2018 16:44

Tgt Ion: 114 Resp: 179664
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 36.4
 88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 46.39 ug/l

RT: 5.51 min Scan# 808

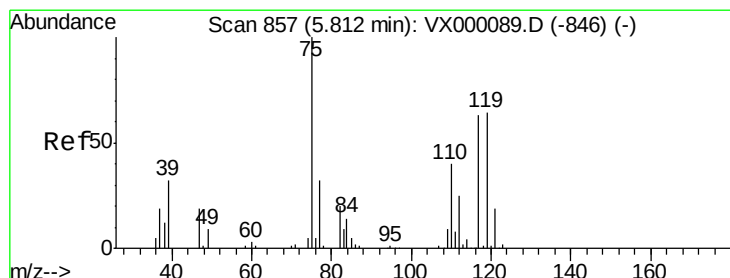
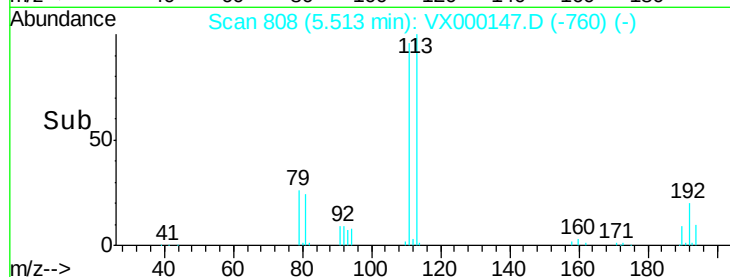
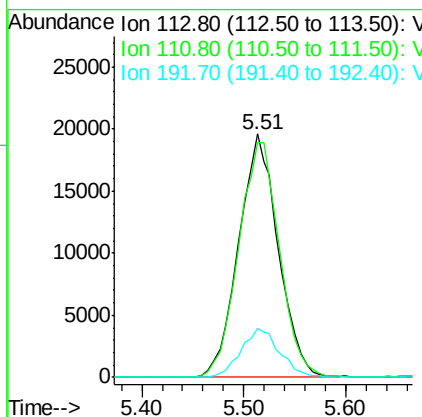
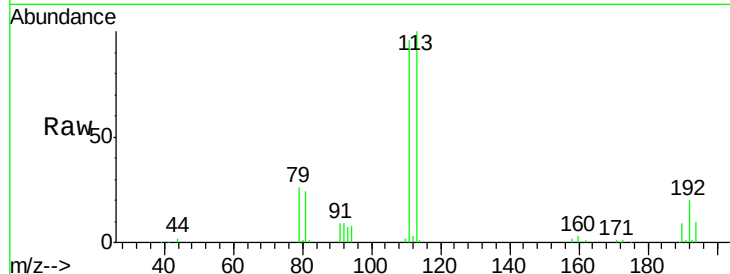
Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Instrument :
ClientSampled :
BR-2

Tgt Ion:113 Resp: 52607
Ion Ratio Lower Upper
113 100
111 100.5 81.0 121.6
192 19.6 15.7 23.5



#36

1,1-Dichloropropene

Concen: 5.60 ug/l

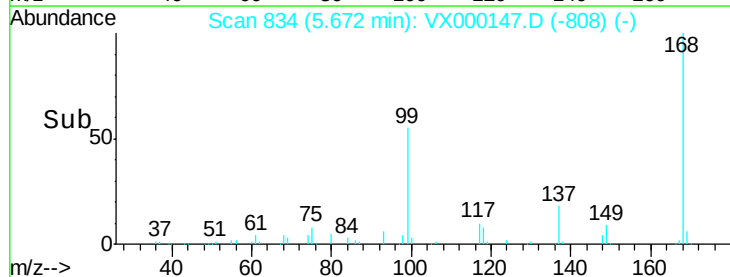
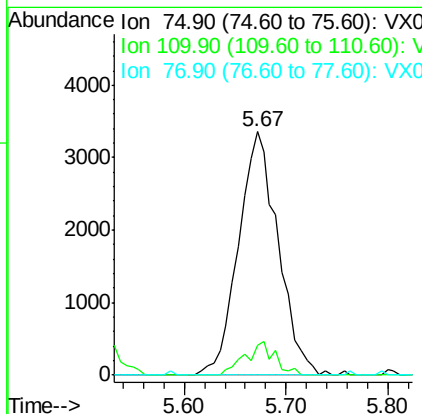
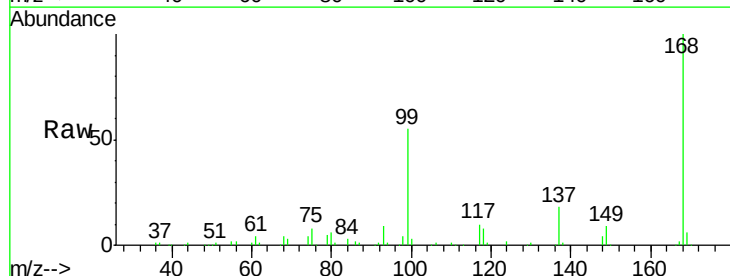
RT: 5.67 min Scan# 834

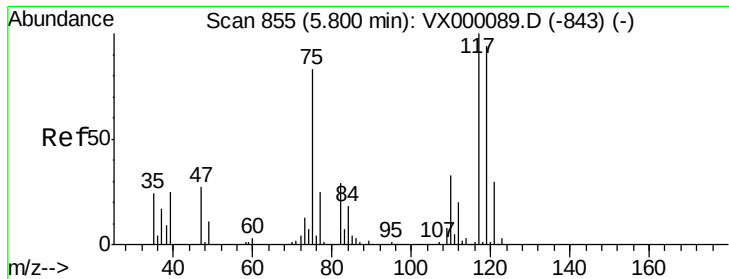
Delta R.T. -0.14 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Tgt Ion: 75 Resp: 9029
Ion Ratio Lower Upper
75 100
110 10.4 19.5 58.5#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.34 ug/l

RT: 5.67 min Scan# 834

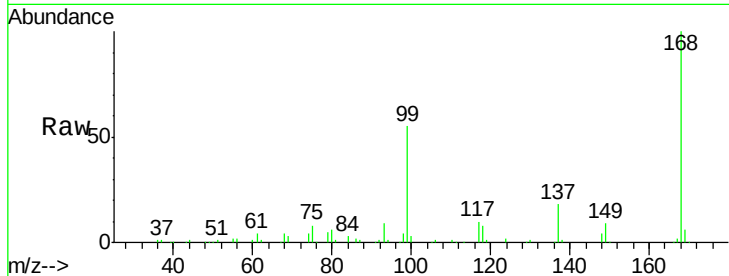
Delta R.T. -0.13 min

Lab File: VX000147.D

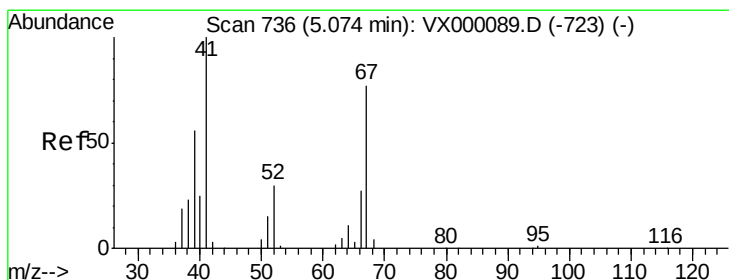
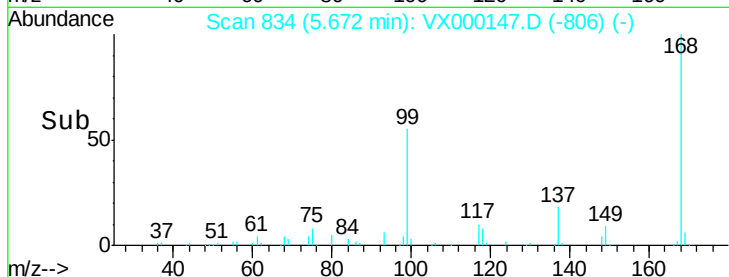
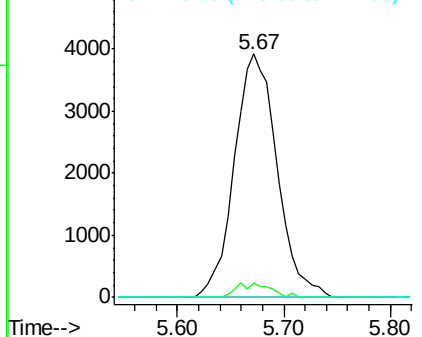
Acq: 27 Feb 2018 16:44

Instrument :
ClientSampled :
BR-2

Tgt Ion:117 Resp: 11035
Ion Ratio Lower Upper
117 100
119 5.7 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

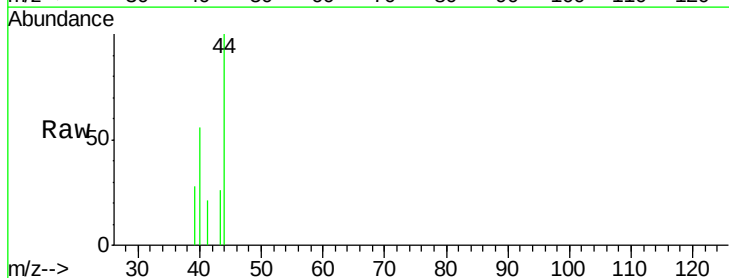
RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

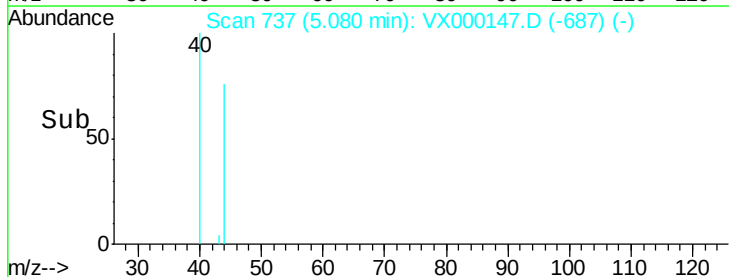
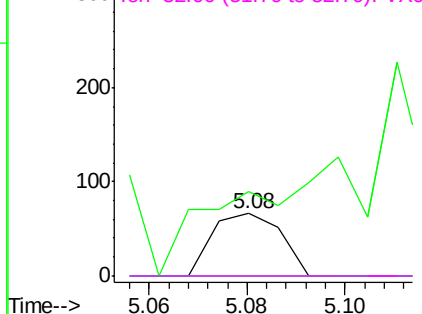
Lab File: VX000147.D

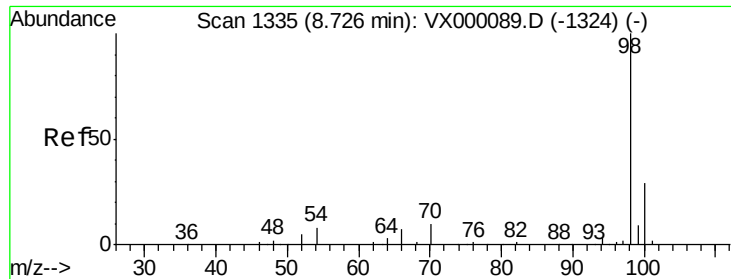
Acq: 27 Feb 2018 16:44

Tgt Ion: 41 Resp: 65
Ion Ratio Lower Upper
41 100
39 0.0 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: 47.39 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

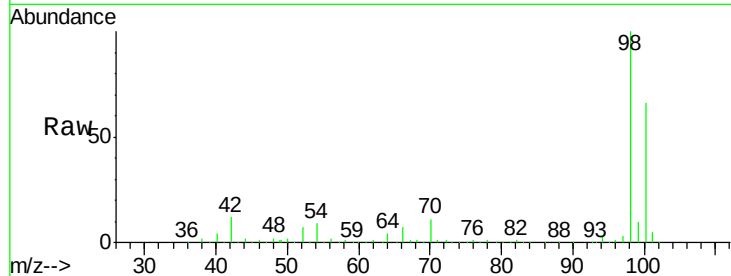
Instrument :
ClientSampled :
BR-2

Tgt Ion: 98 Resp: 211981

Ion Ratio Lower Upper

98 100

100 64.0 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

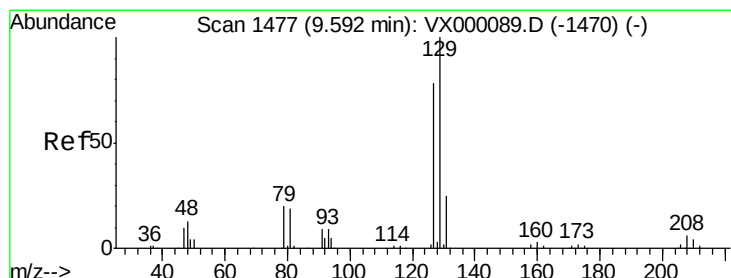
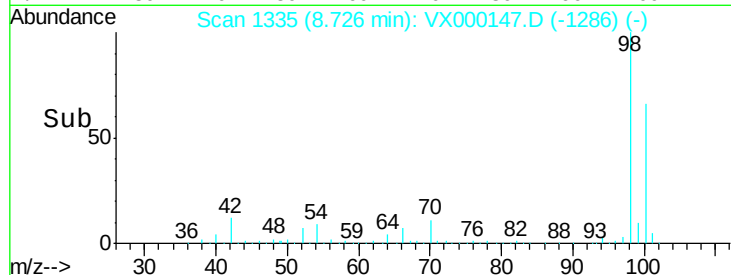
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 0.31 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX000147.D

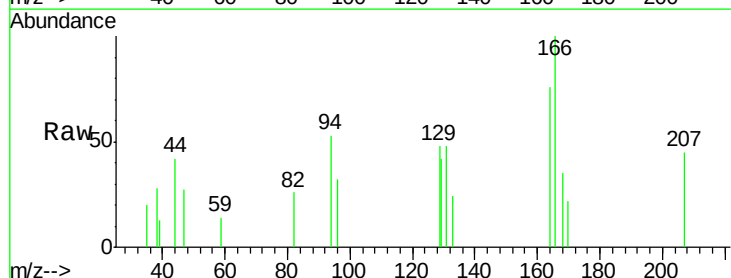
Acq: 27 Feb 2018 16:44

Tgt Ion: 129 Resp: 447

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) (-)

9.35

400

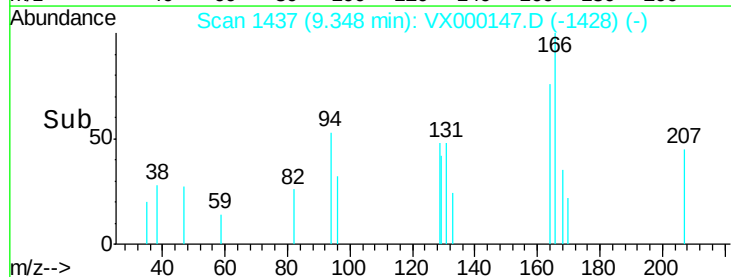
300

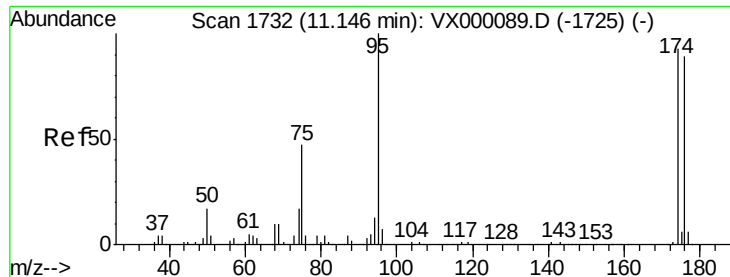
200

100

0

Time-->

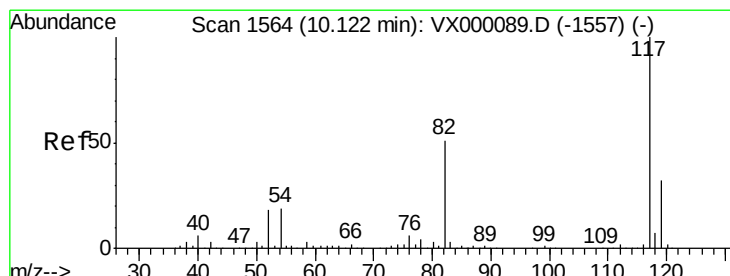
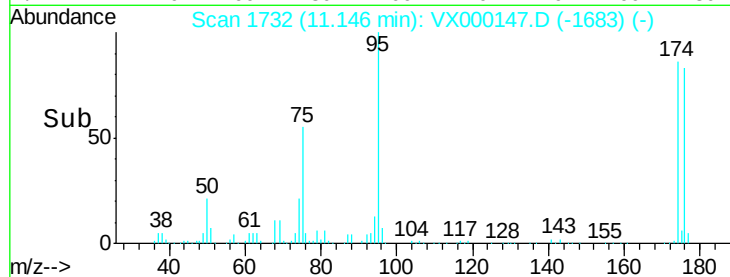
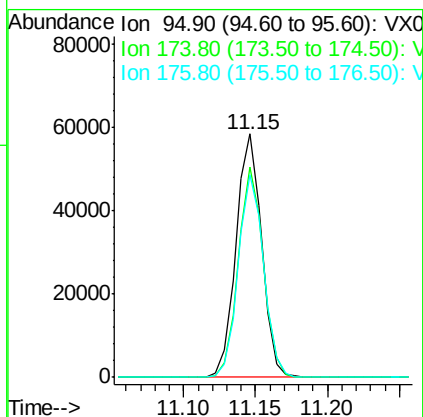
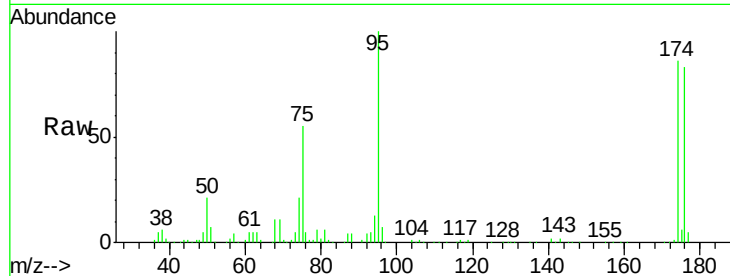




#62
4-Bromofluorobenzene
Concen: 41.39 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

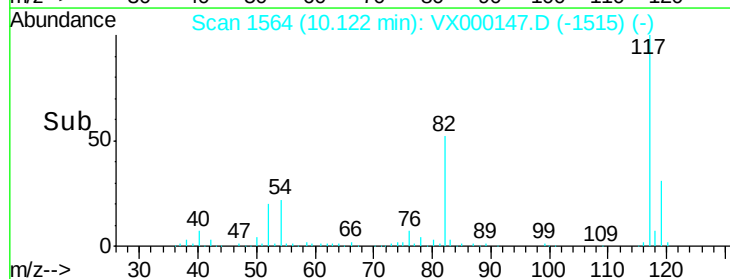
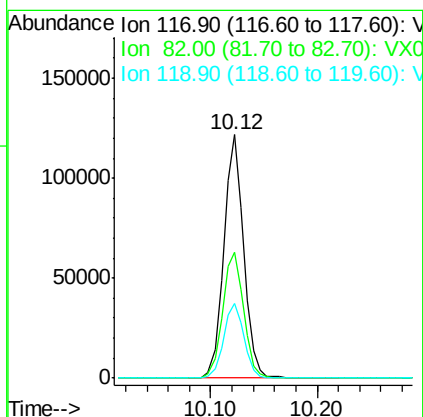
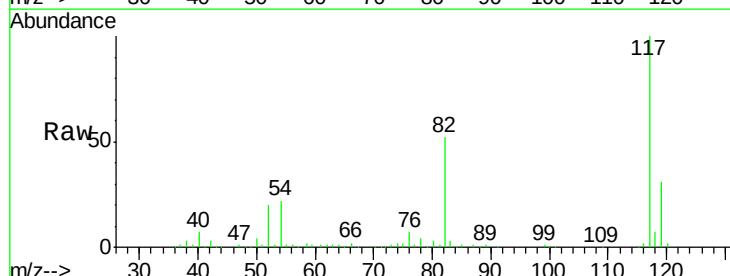
Instrument :
ClientSampleId :
BR-2

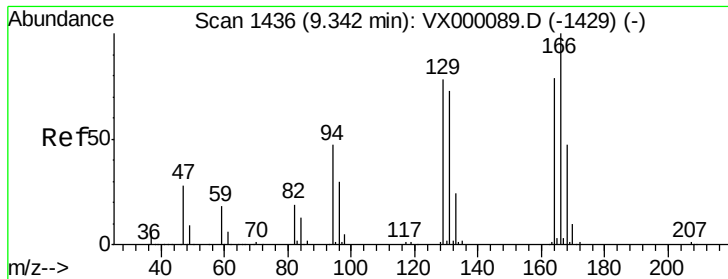
Tgt Ion: 95 Resp: 72587
Ion Ratio Lower Upper
95 100
174 83.9 0.0 187.8
176 82.0 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000147.D
Acq: 27 Feb 2018 16:44

Tgt Ion: 117 Resp: 158075
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 30.9 25.5 38.3





#64

Tetrachloroethene

Concen: 0.40 ug/l

RT: 9.35 min Scan# 1437

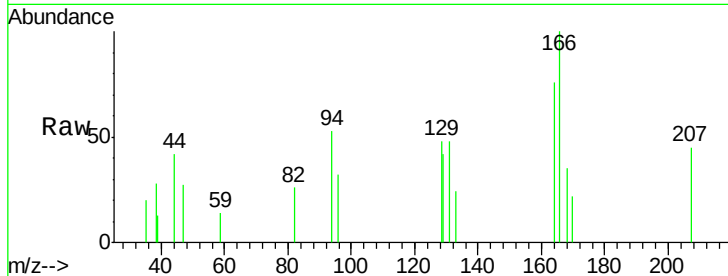
Delta R.T. 0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Instrument :
ClientSampled :
BR-2

Tgt Ion:	164	Resp:	455
Ion	Ratio	Lower	Upper
164	100		
166	131.4	101.4	152.2
129	117.5	78.6	118.0
131	63.5	73.8	110.6#

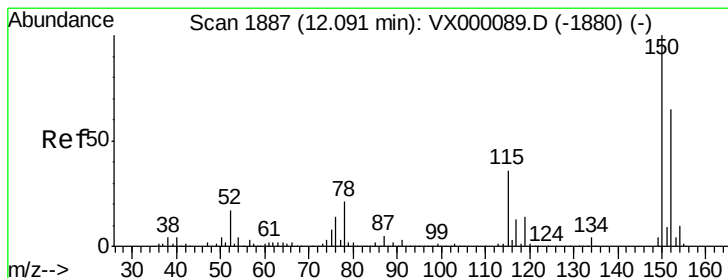
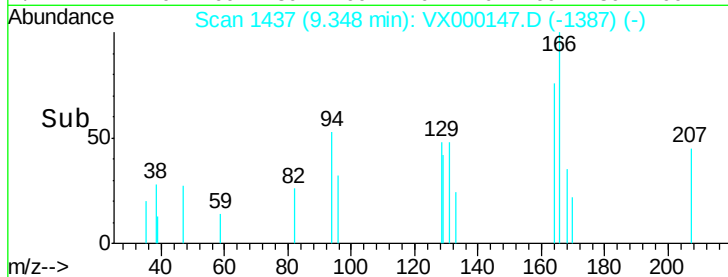
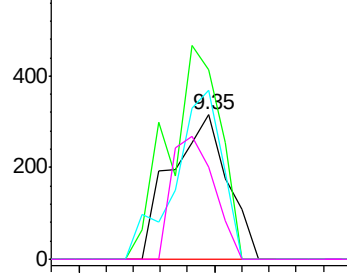


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

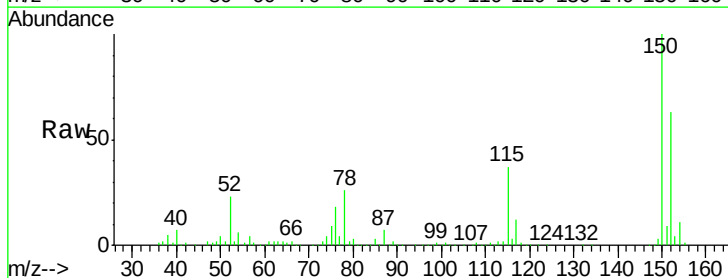
RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

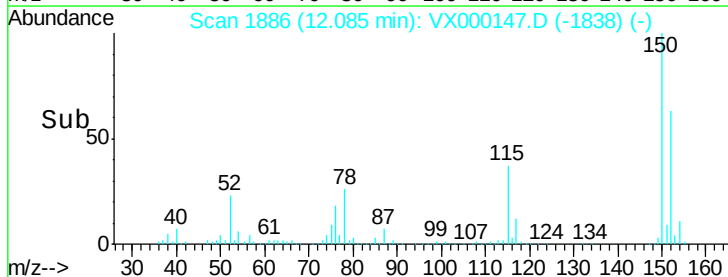
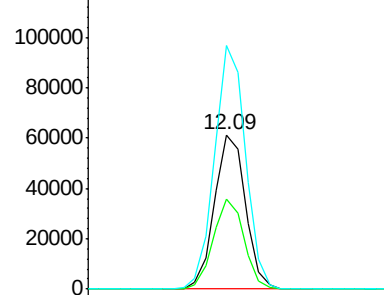
Tgt Ion:	152	Resp:	75378
Ion	Ratio	Lower	Upper
152	100		
115	58.0	39.1	117.2
150	157.9	0.0	348.2

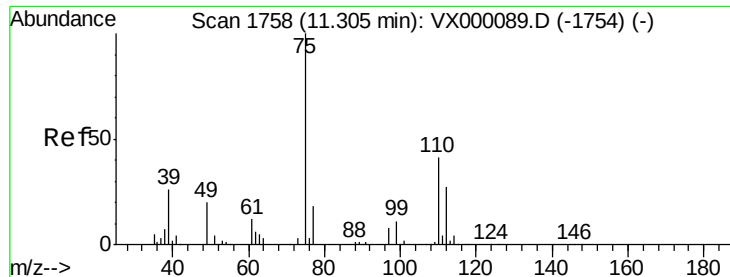


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.26 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Instrument :

ClientSampled :

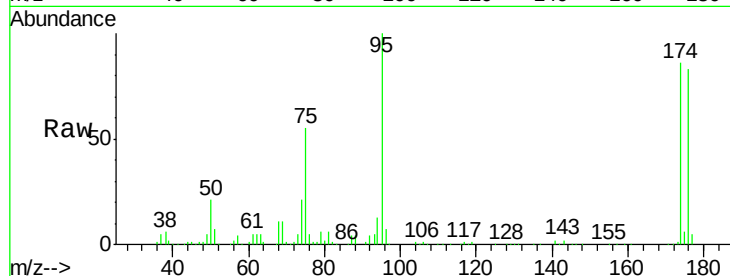
BR-2

Tgt Ion: 75 Resp: 41005

Ion Ratio Lower Upper

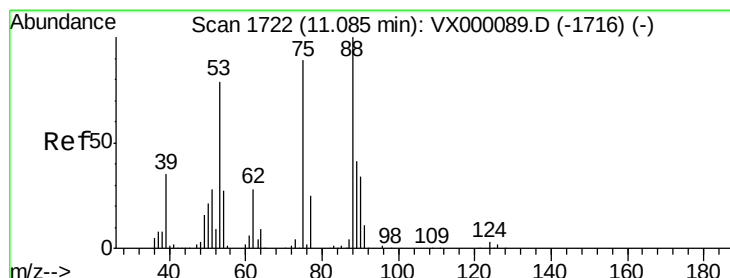
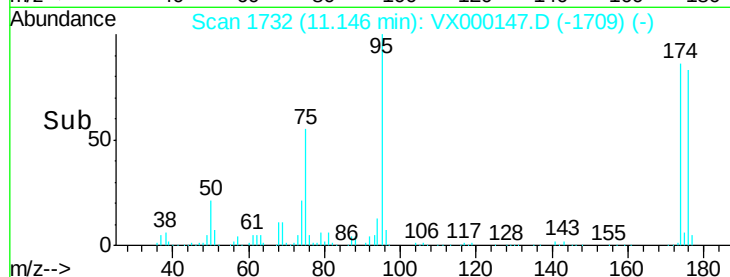
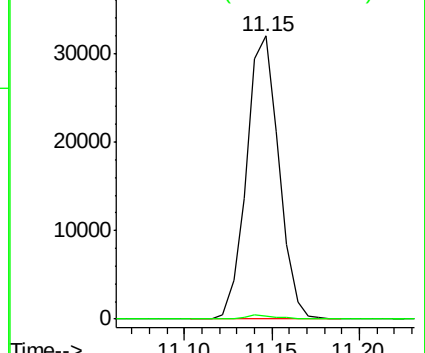
75 100

77 1.3 22.8 68.3#



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: 74.79 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

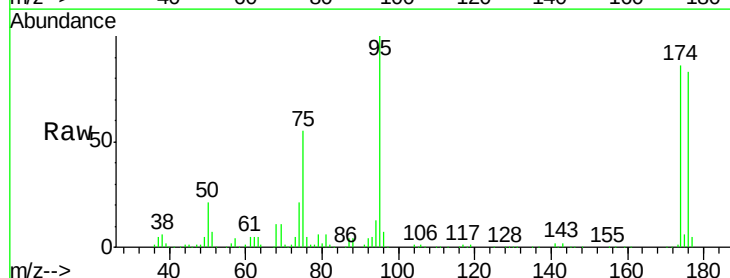
Tgt Ion: 75 Resp: 41005

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

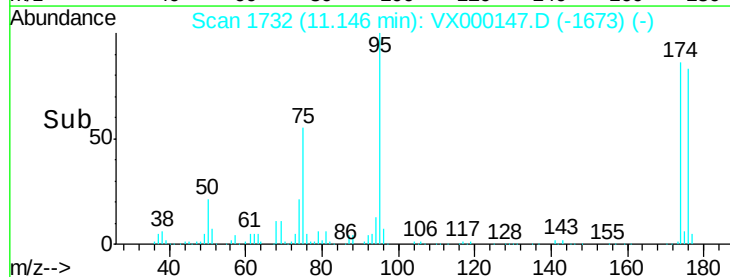
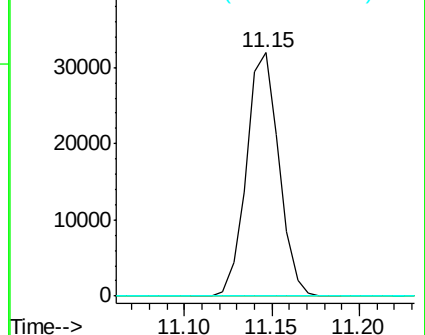
89 0.0 40.6 60.8#

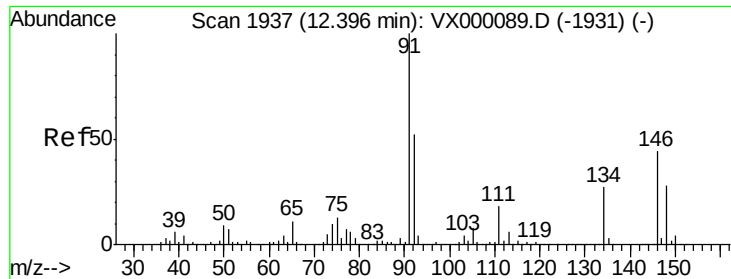


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#89

n-Butylbenzene

Concen: 0.31 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Instrument :

ClientSampled :

BR-2

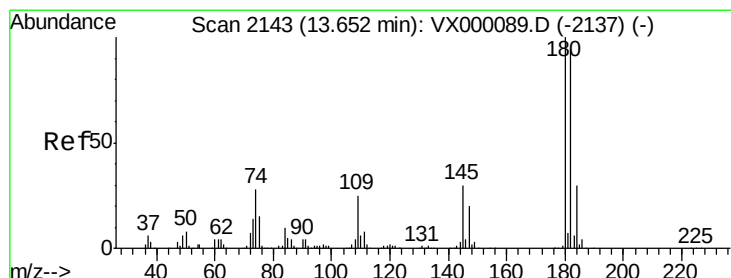
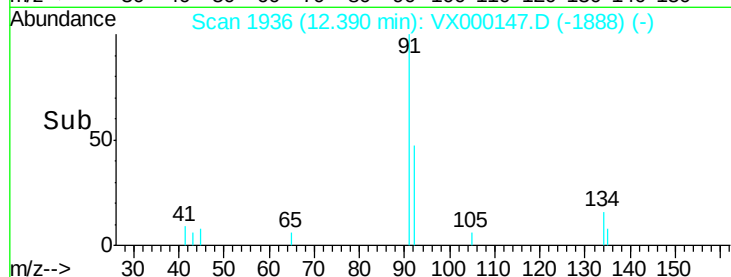
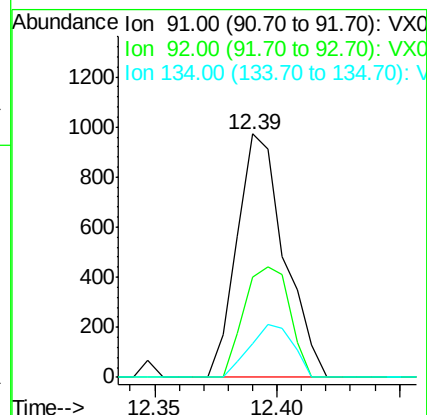
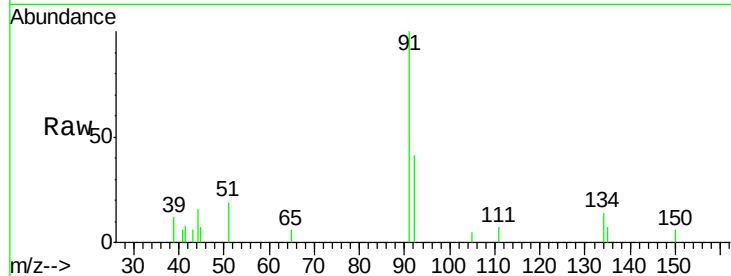
Tgt Ion: 91 Resp: 1310

Ion Ratio Lower Upper

91 100

92 43.7 26.2 78.6

134 20.0 14.3 42.9



#93

1,2,4-Trichlorobenzene

Concen: 0.29 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX000147.D

Acq: 27 Feb 2018 16:44

Tgt Ion: 180 Resp: 523

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.4

145 18.2 14.7 44.1

