

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002576.D
 Acq On : 16 May 2018 03:53
 Operator : JC/SY
 Sample : J2785-02
 Misc : 5.16G/10ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-1B

Quant Time: May 16 05:54:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	179803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	138548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	65524	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	58538	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.33	98	166226	38.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.60%	
62) 4-Bromofluorobenzene	12.63	95	46200	29.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.22%	

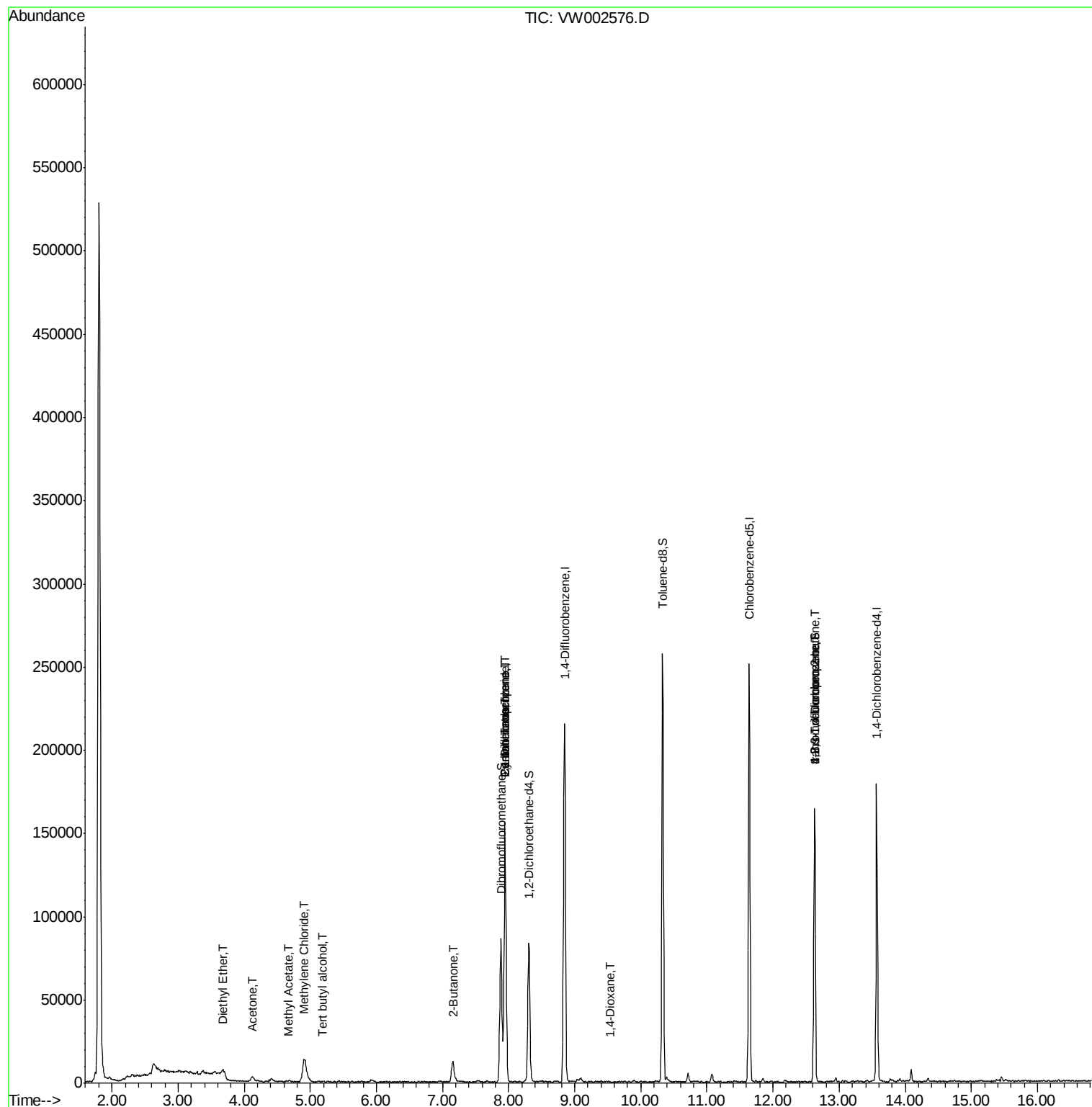
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1002	1.39	ug/l #	21
11) Tert butyl alcohol	5.18	59	180	1.92	ug/l #	68
16) Acetone	4.12	43	5086	19.78	ug/l	93
18) Methyl Acetate	4.67	43	1018	1.36	ug/l	97
20) Methylene Chloride	4.91	84	13251	10.79	ug/l	91
25) 2-Butanone	7.17	43	1009	2.77	ug/l #	49
31) Cyclohexane	7.95	56	2748	1.59	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	9272	5.84	ug/l #	49
38) Carbon Tetrachloride	7.95	117	11362	7.31	ug/l #	19
49) 1,4-Dioxane	9.54	88	22	2.00	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	24021	53.92	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	24021	147.00	ug/l #	8

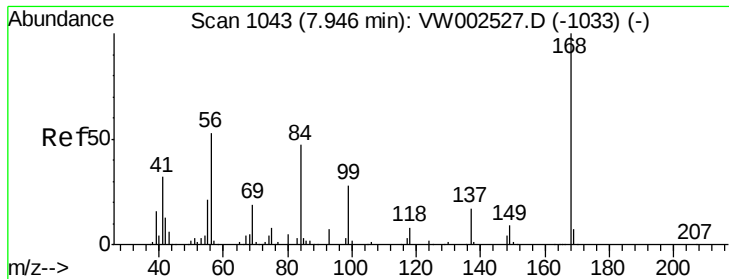
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampleId :

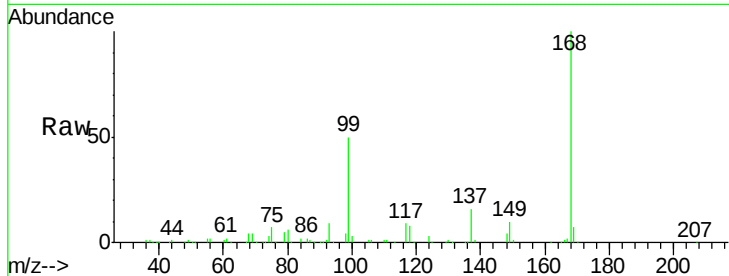
BP-1B

Tgt Ion:168 Resp: 117889

Ion Ratio Lower Upper

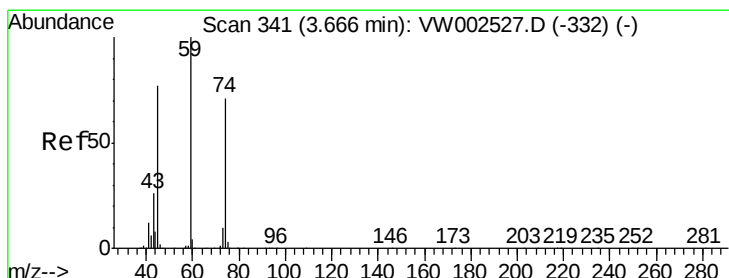
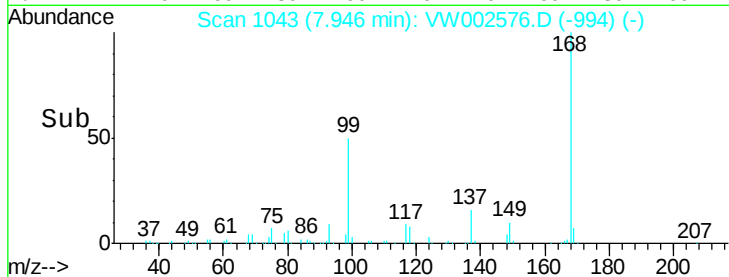
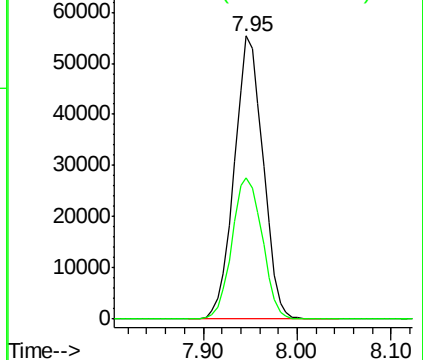
168 100

99 50.0 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.39 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.01 min

Lab File: VW002576.D

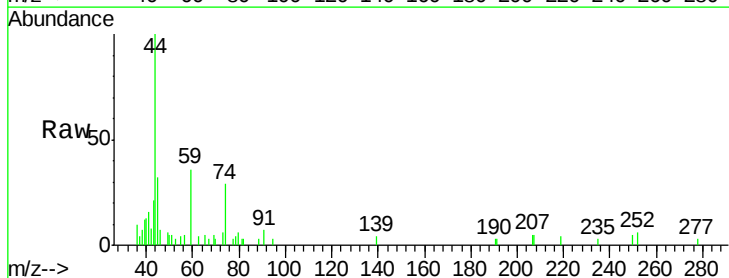
Acq: 16 May 2018 03:53

Tgt Ion: 74 Resp: 1002

Ion Ratio Lower Upper

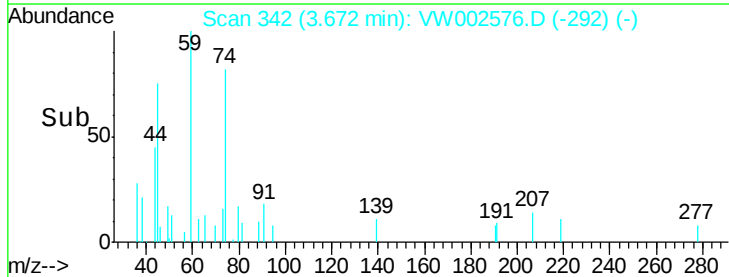
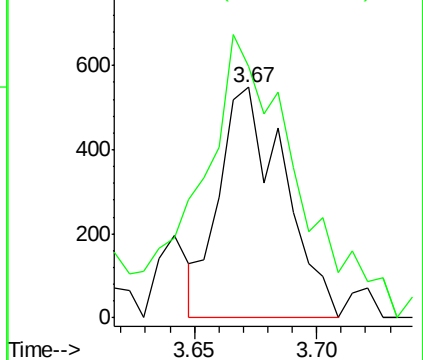
74 100

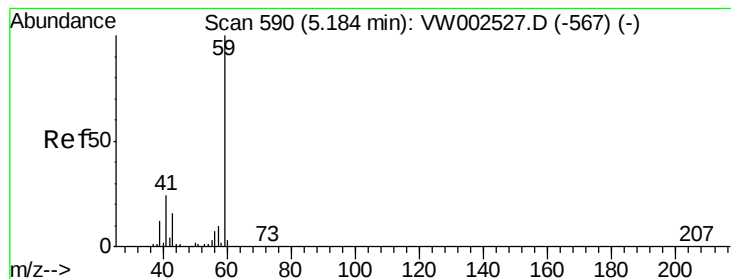
45 185.8 52.3 156.8#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.92 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampled :

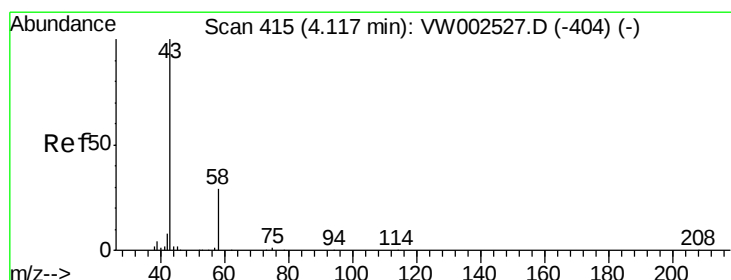
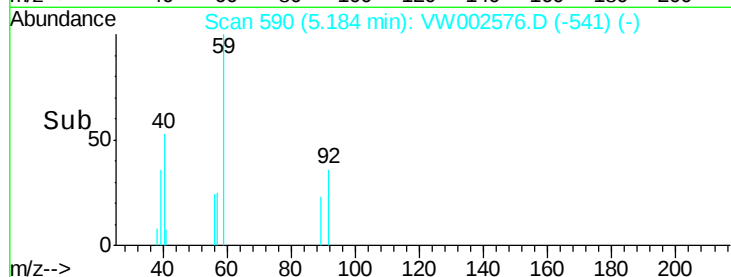
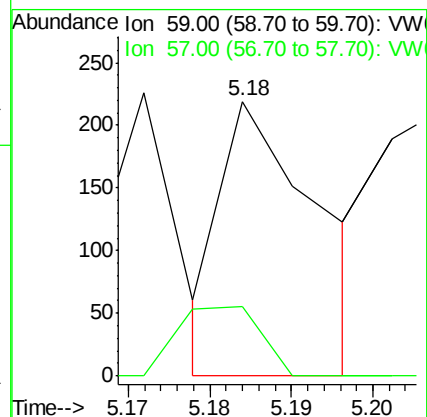
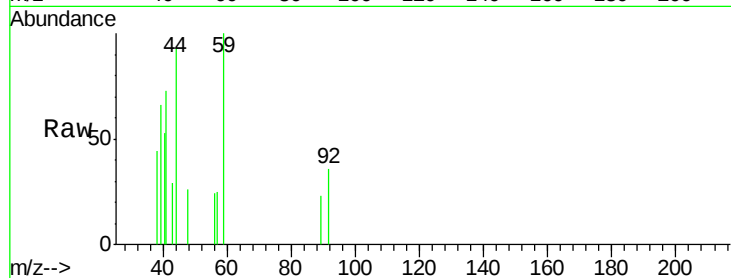
BP-1B

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

59 100

57 22.2 8.2 12.4#



#16

Acetone

Concen: 19.78 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002576.D

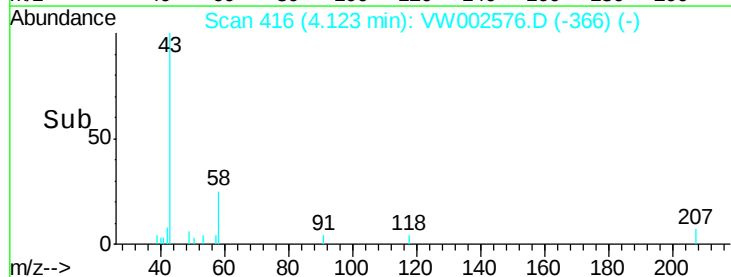
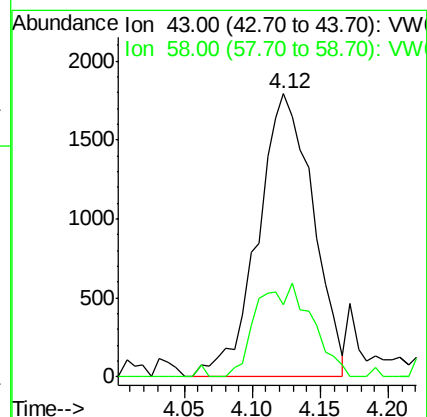
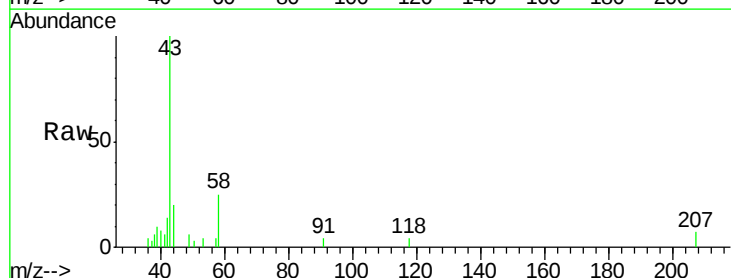
Acq: 16 May 2018 03:53

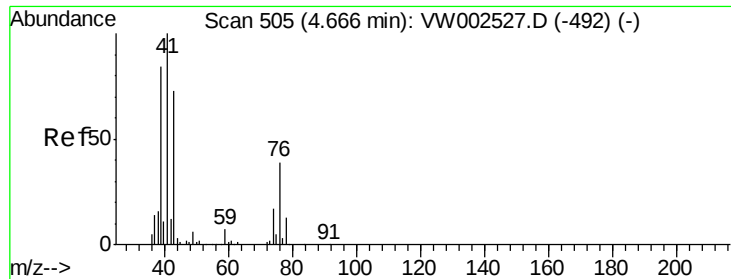
Tgt Ion: 43 Resp: 5086

Ion Ratio Lower Upper

43 100

58 25.4 23.4 35.0

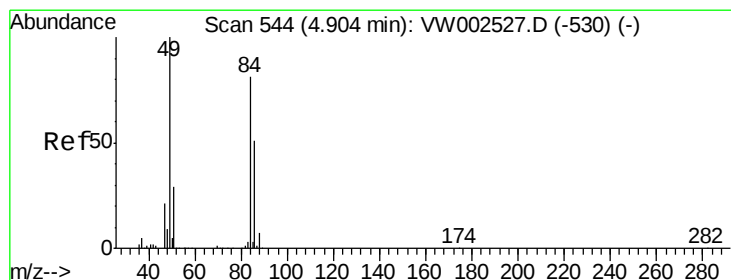
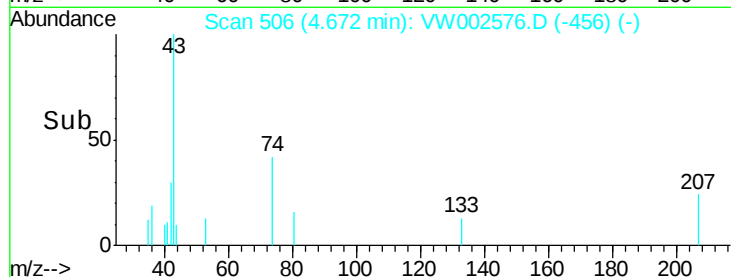
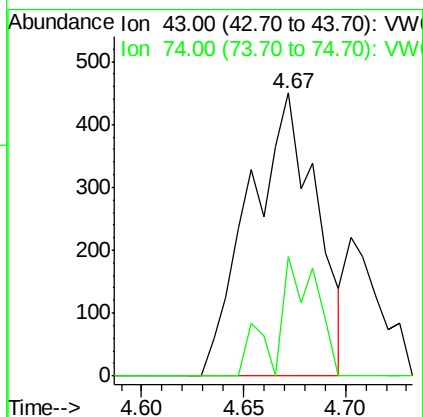
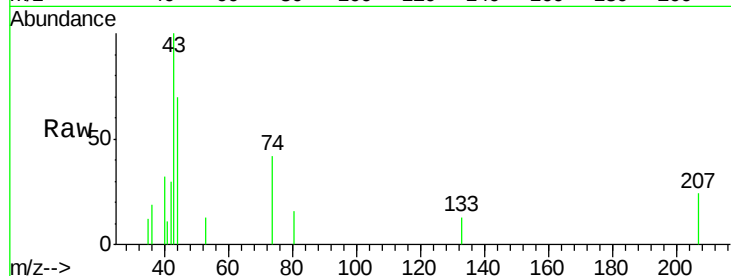




#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002576.D
Acq: 16 May 2018 03:53

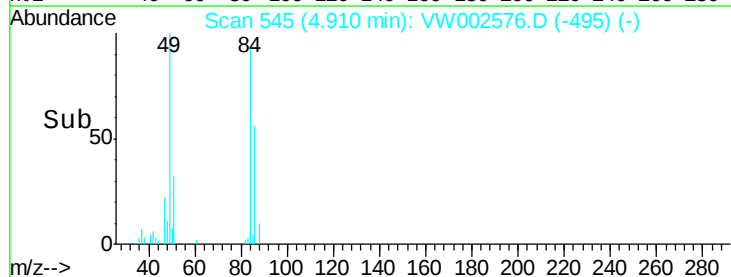
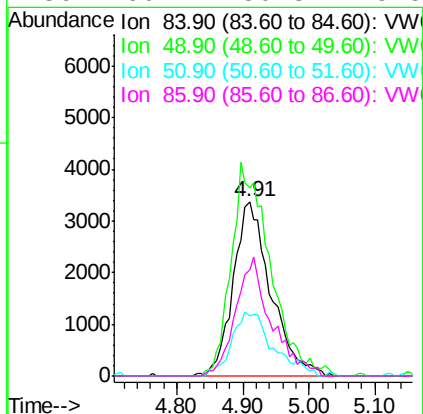
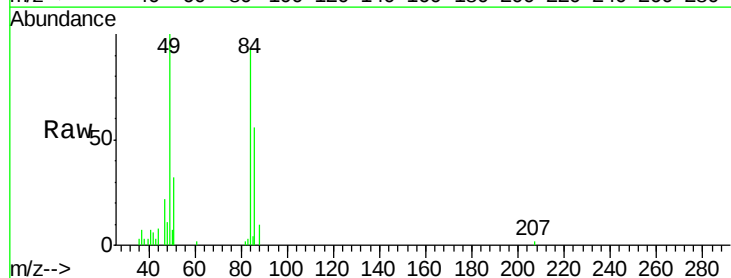
Instrument :
MSVOA_W
ClientSampled :
BP-1B

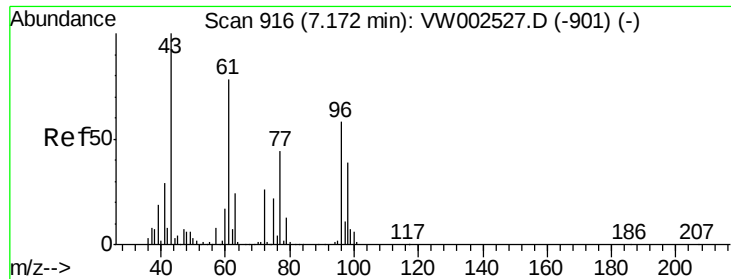
Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
74 25.6 19.2 28.8



#20
Methylene Chloride
Concen: 10.79 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW002576.D
Acq: 16 May 2018 03:53

Tgt Ion: 84 Resp: 13251
Ion Ratio Lower Upper
84 100
49 108.0 99.4 149.0
51 34.7 29.0 43.6
86 60.7 50.3 75.5





#25

2-Butanone

Concen: 2.77 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampled :

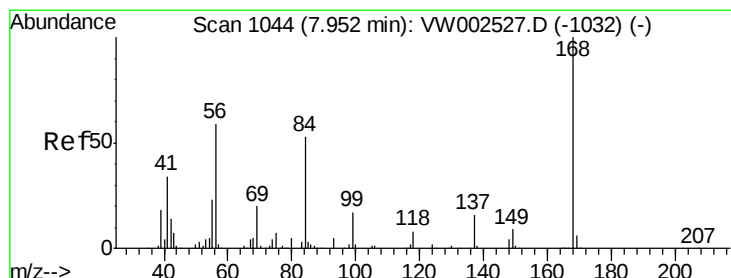
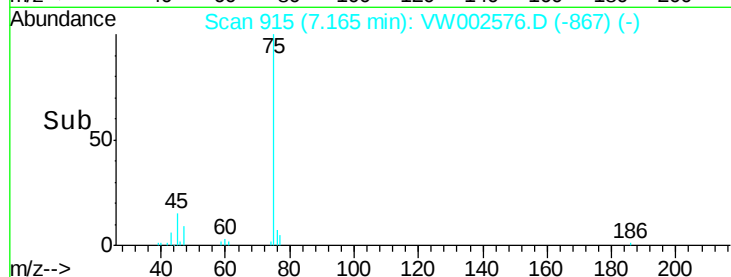
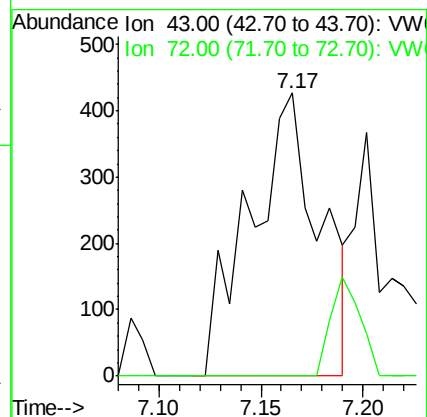
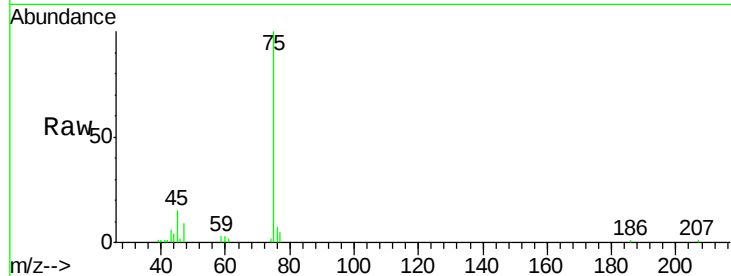
BP-1B

Tgt Ion: 43 Resp: 1009

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#31

Cyclohexane

Concen: 1.59 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

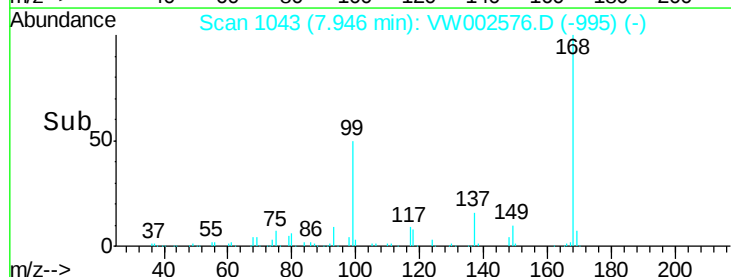
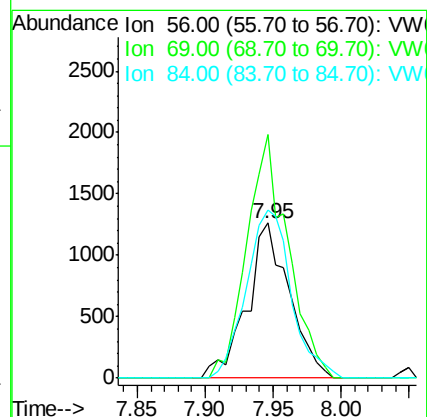
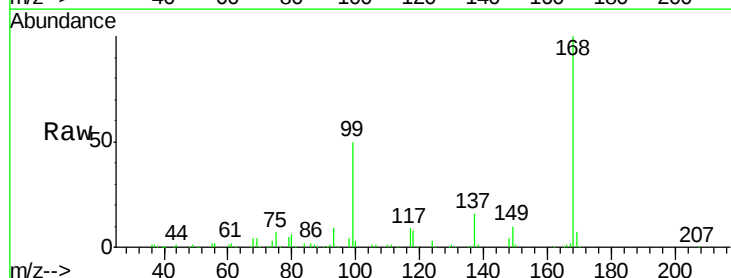
Tgt Ion: 56 Resp: 2748

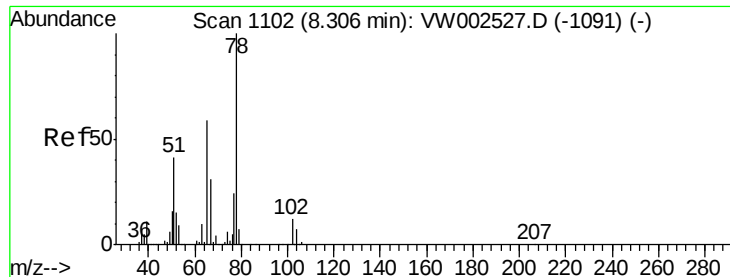
Ion Ratio Lower Upper

56 100

69 157.1 27.0 40.4#

84 108.6 72.2 108.2#

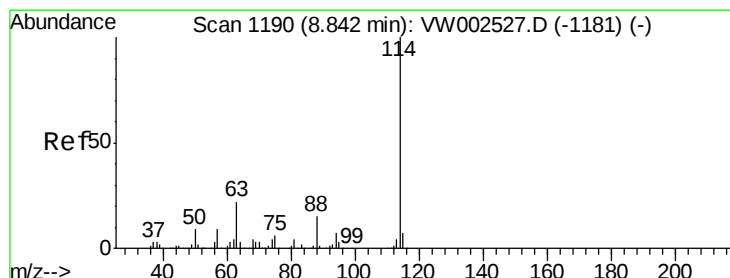
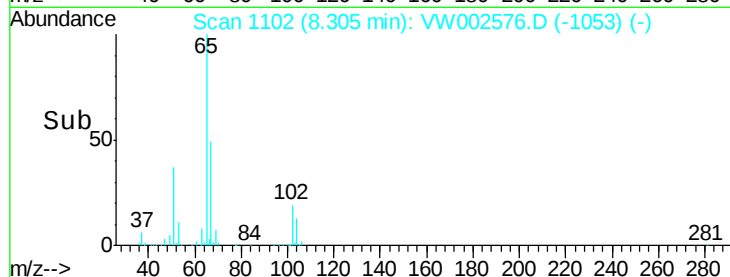
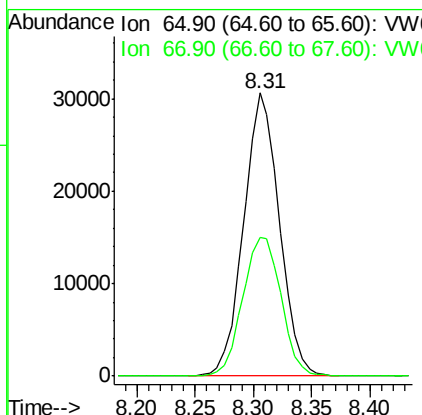
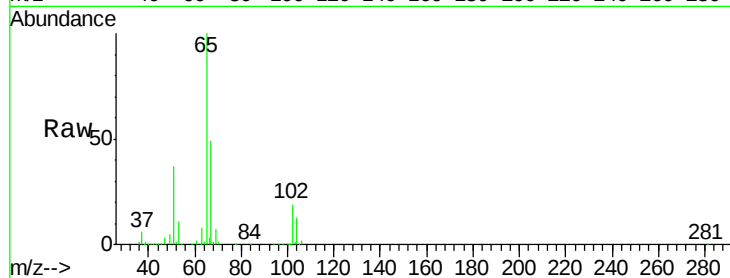




#33
 1,2-Dichloroethane-d4
 Concen: 53.79 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002576.D
 Acq: 16 May 2018 03:53

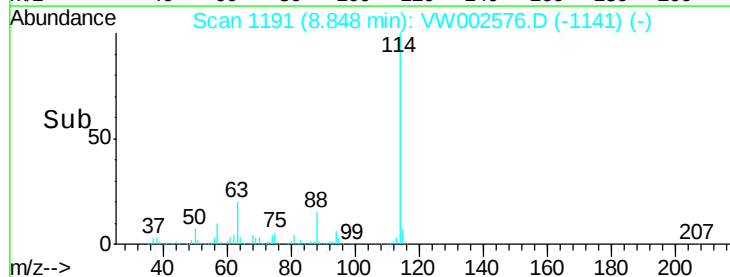
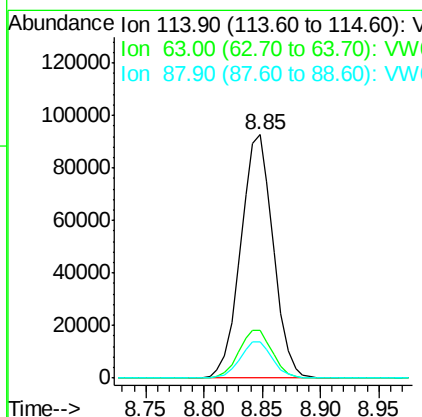
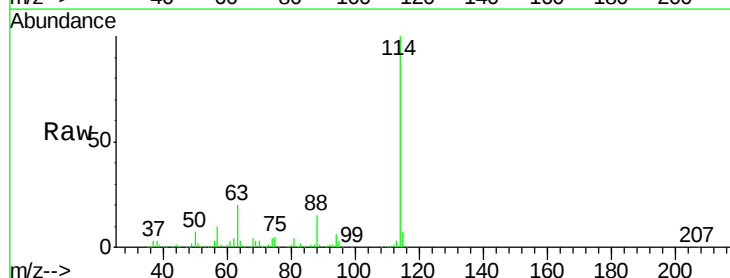
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-1B

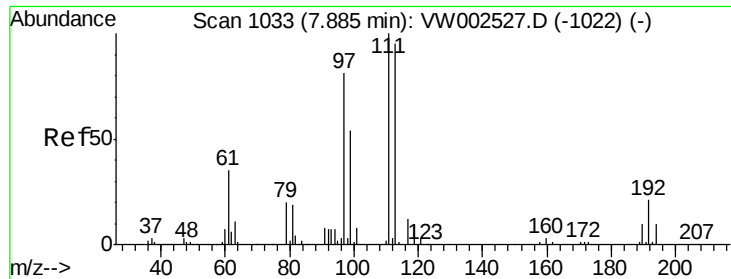
Tgt Ion: 65 Resp: 65524
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002576.D
 Acq: 16 May 2018 03:53

Tgt Ion: 114 Resp: 179803
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.2
 88 14.9 0.0 29.2

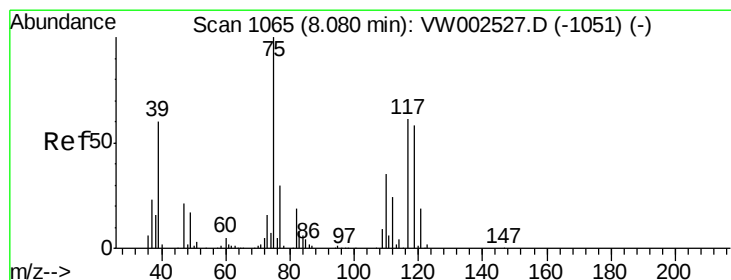
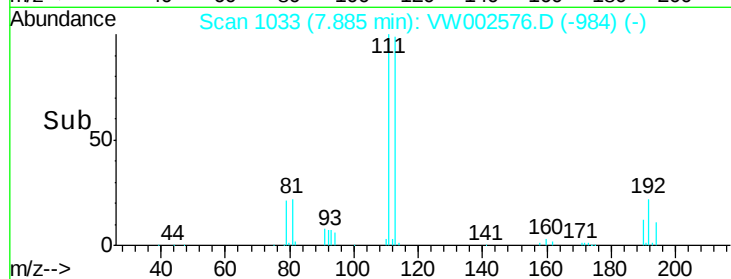
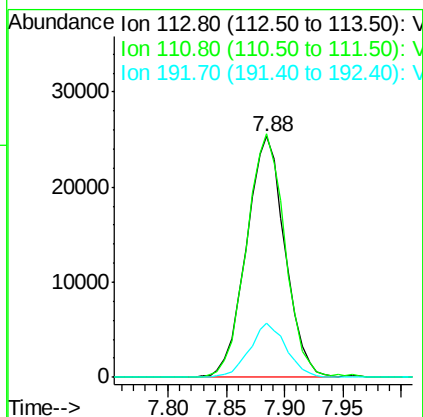
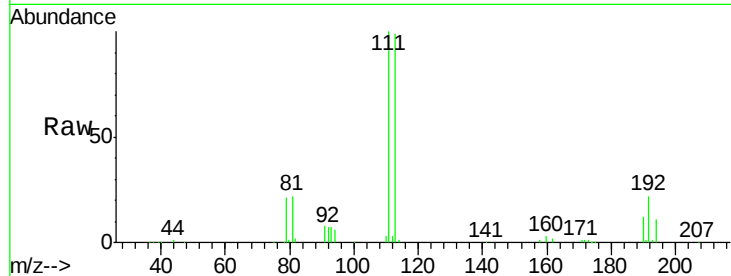




#35
 Dibromofluoromethane
 Concen: 51.32 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002576.D
 Acq: 16 May 2018 03:53

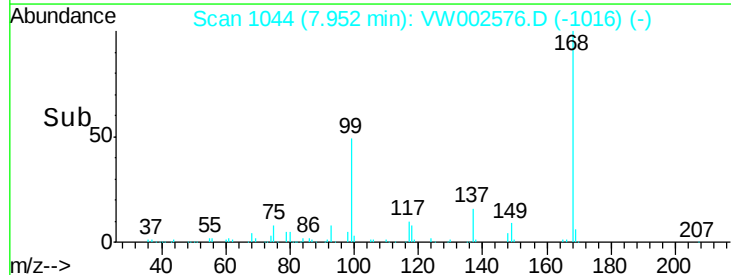
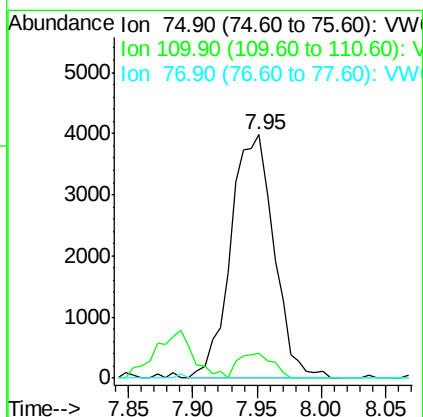
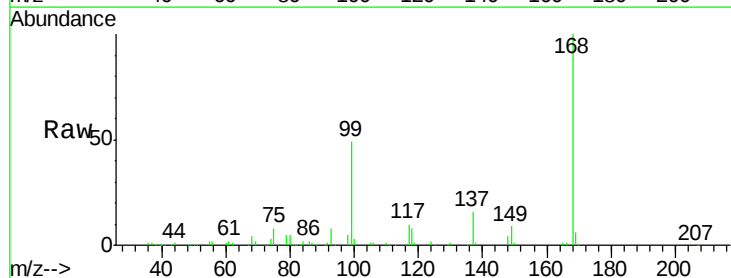
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-1B

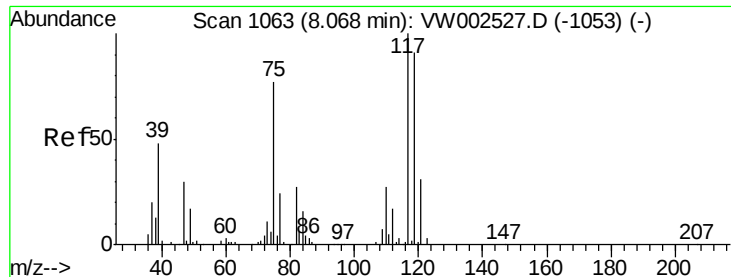
Tgt Ion:113 Resp: 58538
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.8 122.8
 192 21.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.84 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002576.D
 Acq: 16 May 2018 03:53

Tgt Ion: 75 Resp: 9272
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.31 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampled :

BP-1B

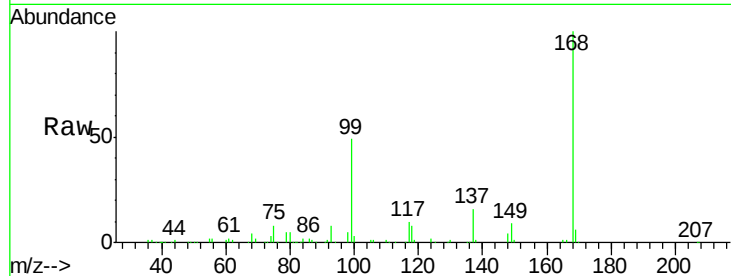
Tgt Ion: 117 Resp: 11362

Ion Ratio Lower Upper

117 100

119 6.1 73.1 109.7#

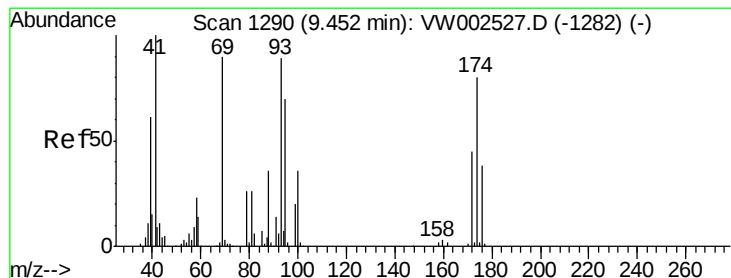
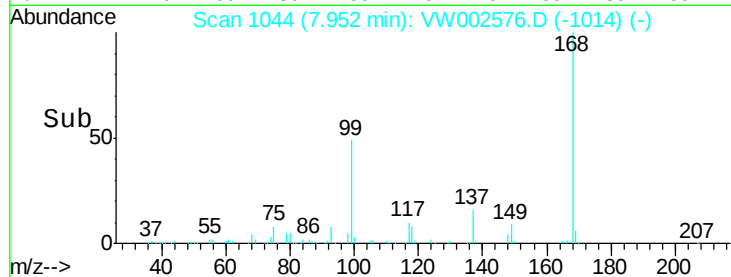
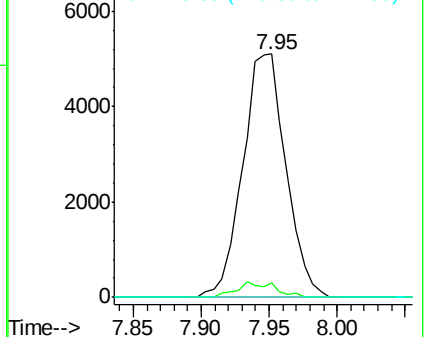
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 2.00 ug/l

RT: 9.54 min Scan# 1304

Delta R.T. 0.09 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

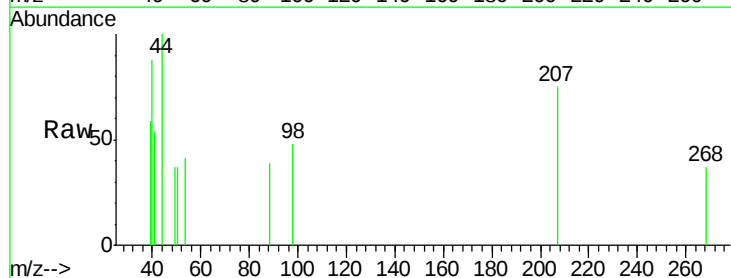
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 309.1 27.0 40.4#

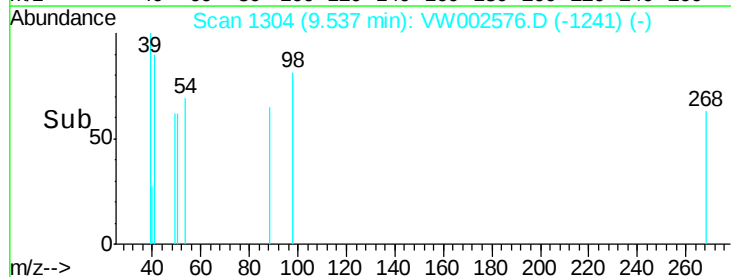
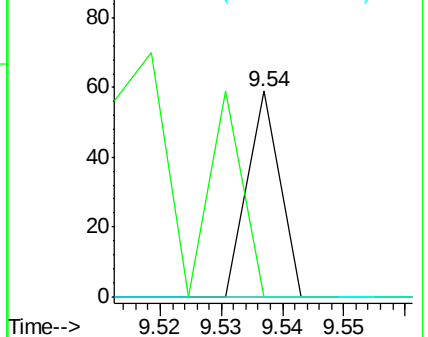
58 0.0 56.9 85.3#

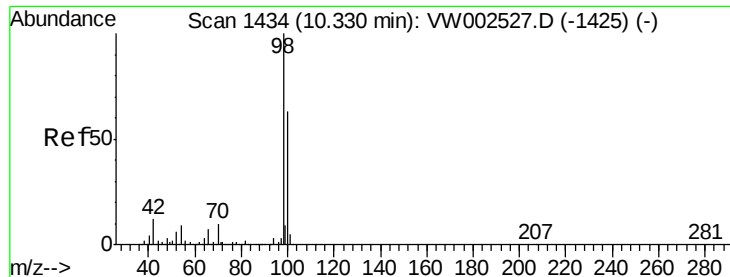


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 38.30 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampleId :

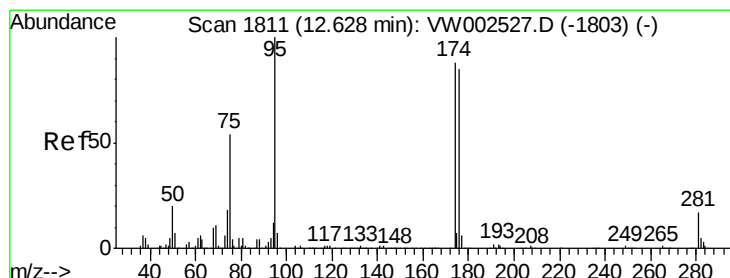
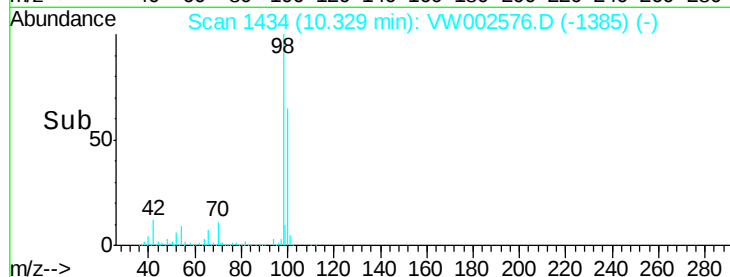
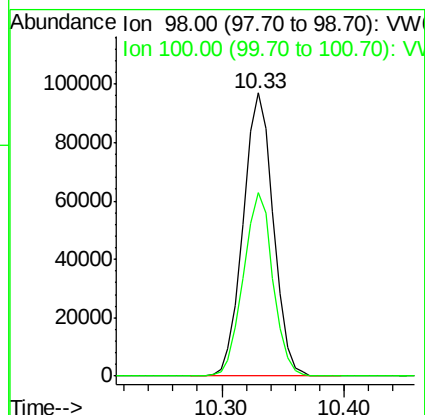
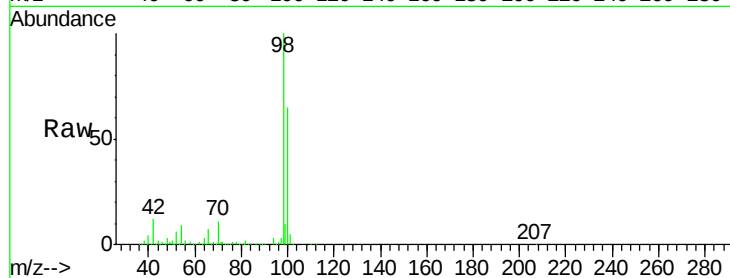
BP-1B

Tgt Ion: 98 Resp: 166226

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.4



#62

4-Bromofluorobenzene

Concen: 29.11 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

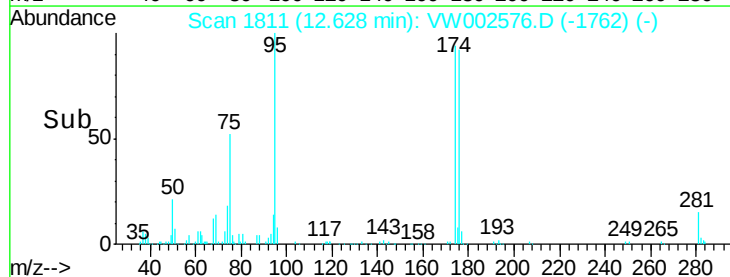
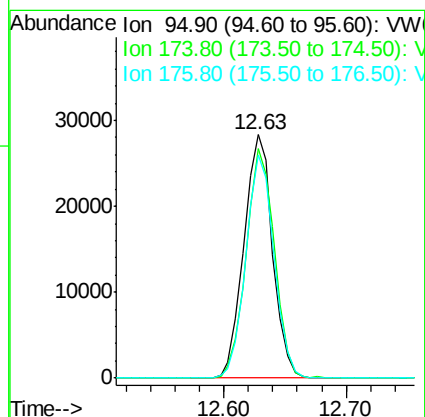
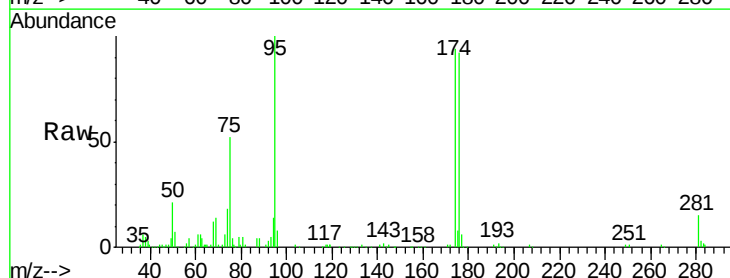
Tgt Ion: 95 Resp: 46200

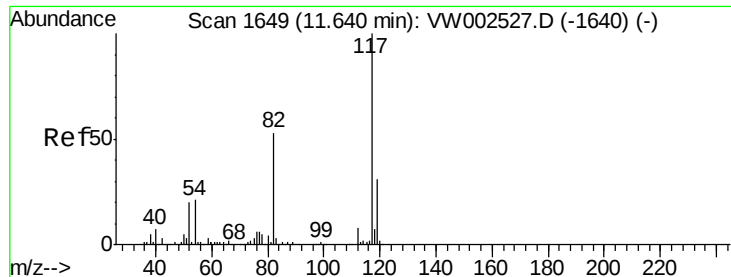
Ion Ratio Lower Upper

95 100

174 93.2 0.0 176.6

176 89.8 0.0 172.2

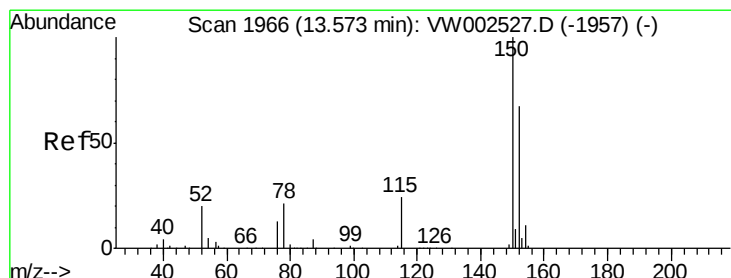
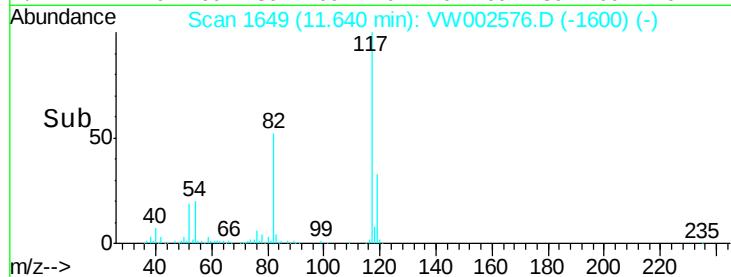
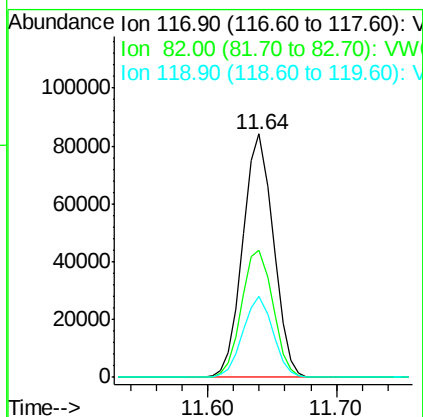
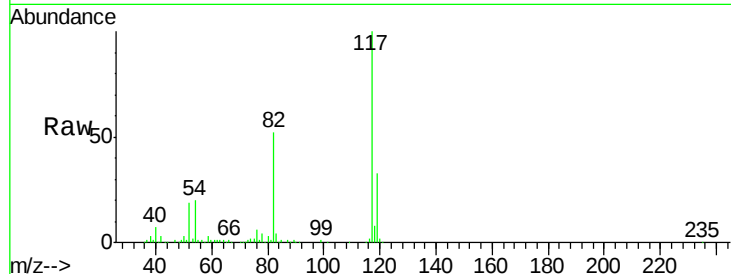




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002576.D
Acq: 16 May 2018 03:53

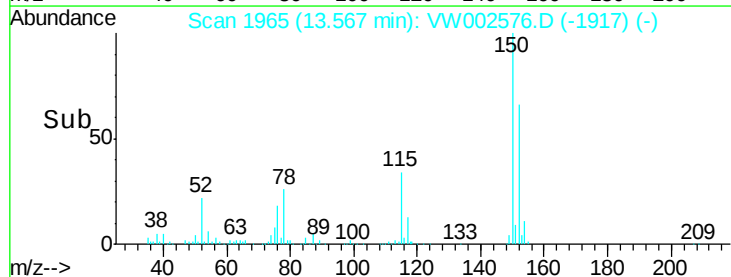
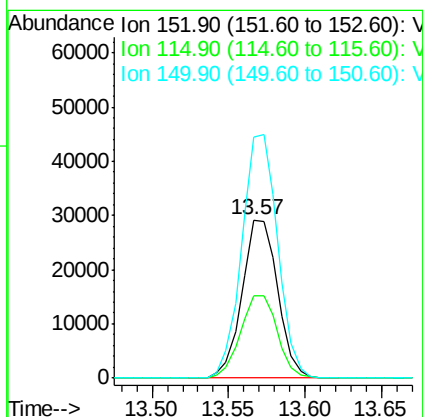
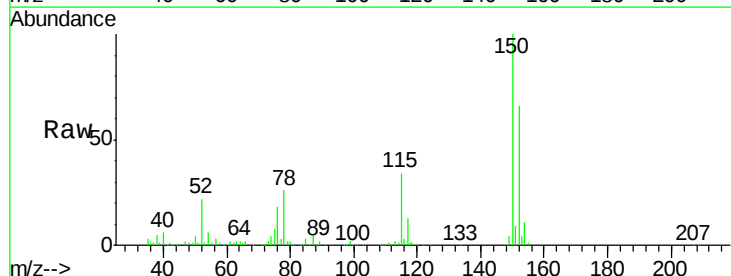
Instrument :
MSVOA_W
ClientSampled :
BP-1B

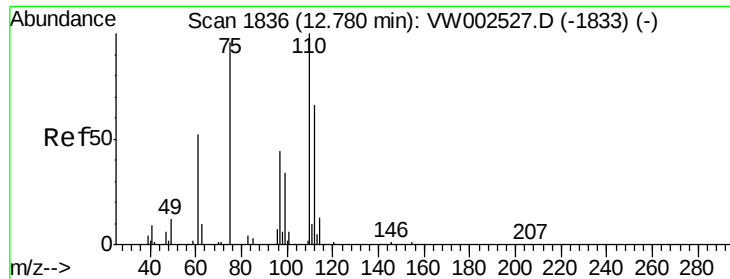
Tgt Ion:117 Resp: 138548
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 33.4 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002576.D
Acq: 16 May 2018 03:53

Tgt Ion:152 Resp: 47132
Ion Ratio Lower Upper
152 100
115 54.1 28.0 84.0
150 155.0 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 53.92 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

Instrument :

MSVOA_W

ClientSampleId :

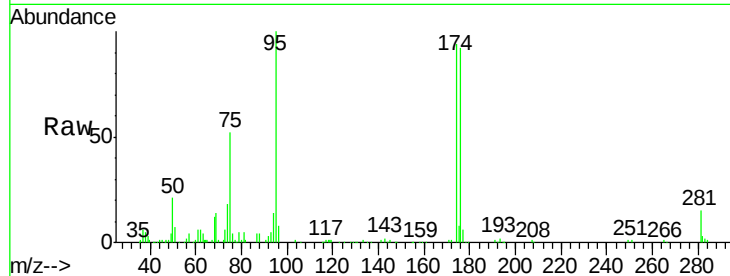
BP-1B

Tgt Ion: 75 Resp: 24021

Ion Ratio Lower Upper

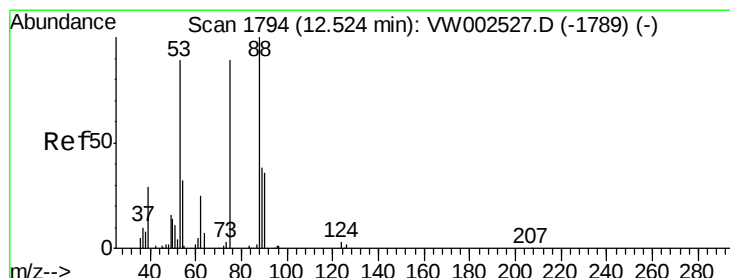
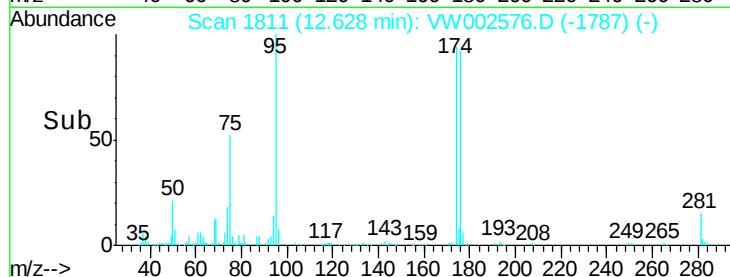
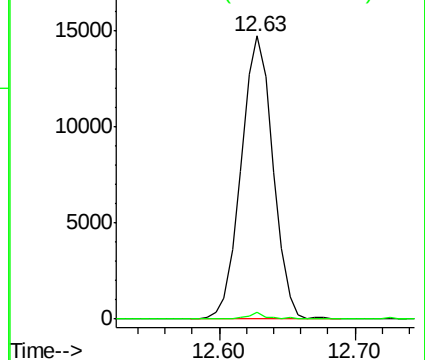
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 147.00 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002576.D

Acq: 16 May 2018 03:53

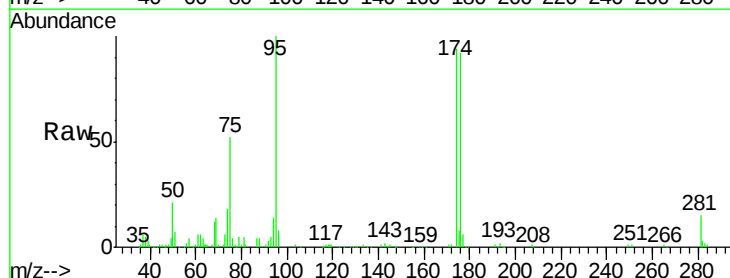
Tgt Ion: 75 Resp: 24021

Ion Ratio Lower Upper

75 100

53 0.2 82.6 124.0#

89 0.1 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

