

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002579.D
 Acq On : 16 May 2018 05:08
 Operator : JC/SY
 Sample : J2785-07
 Misc : 5..06G/10ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-3A

Quant Time: May 16 05:55:19 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	121065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	142820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	48769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	60954	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
35) Dibromofluoromethane	7.88	113	51005	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	
50) Toluene-d8	10.33	98	162518	36.59	ug/l	0.00
Spiked Amount			Recovery	=	73.18%	
62) 4-Bromofluorobenzene	12.63	95	46822	28.83	ug/l	0.00
Spiked Amount			Recovery	=	57.66%	

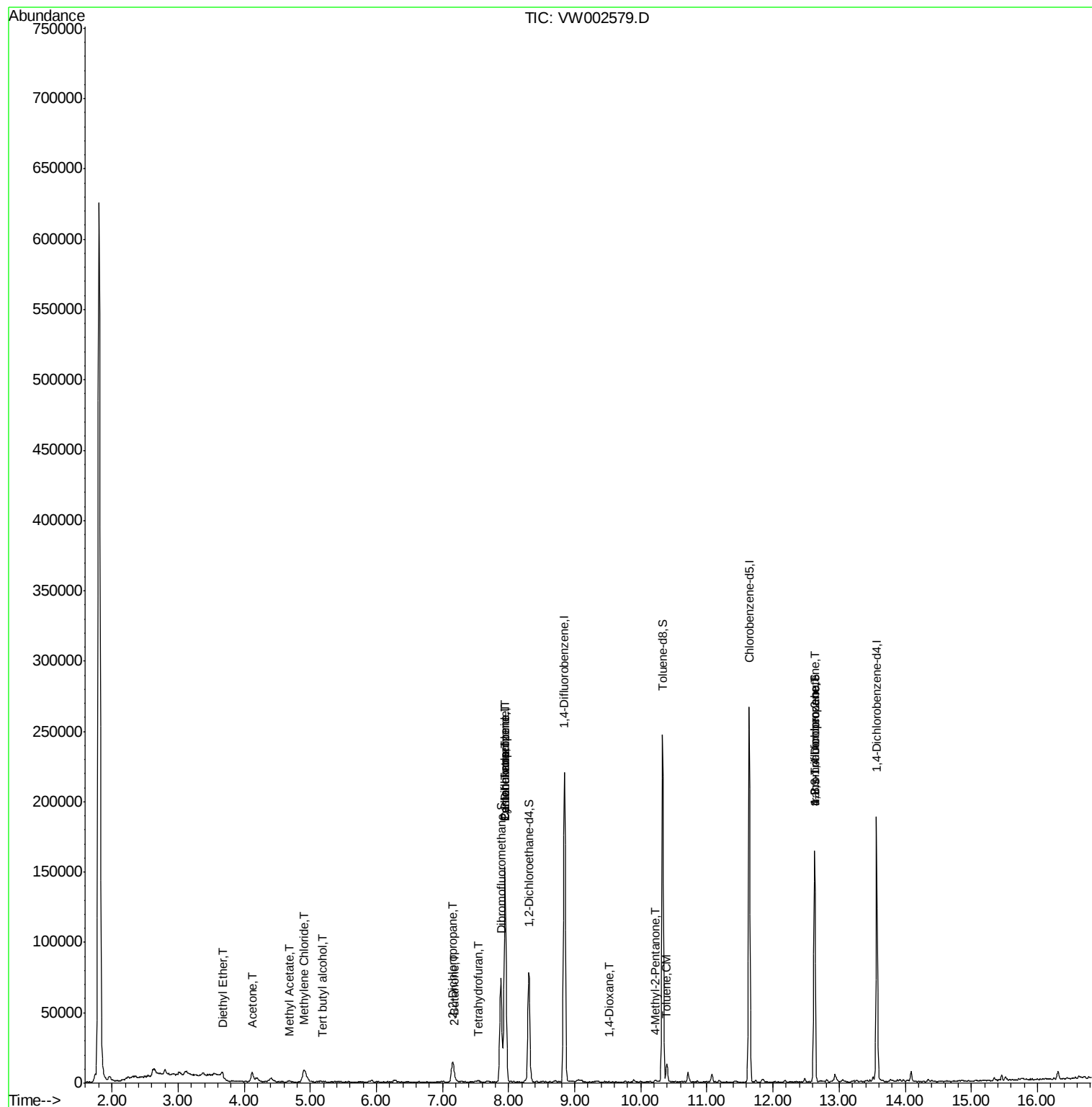
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1265	1.71	ug/l	69
11) Tert butyl alcohol	5.20	59	655	6.81	ug/l #	91
16) Acetone	4.12	43	11294	42.76	ug/l	93
18) Methyl Acetate	4.67	43	1598	2.08	ug/l #	79
20) Methylene Chloride	4.90	84	8173	5.32	ug/l	90
25) 2-Butanone	7.18	43	3458	9.26	ug/l	96
26) 2,2-Dichloropropane	7.14	77	1141	1.02	ug/l #	51
29) Tetrahydrofuran	7.54	42	302	1.29	ug/l #	78
31) Cyclohexane	7.95	56	2760	1.55	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	9107	5.61	ug/l #	47
38) Carbon Tetrachloride	7.95	117	11833	7.44	ug/l #	17
49) 1,4-Dioxane	9.52	88	51	4.53	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	1198	1.41	ug/l	95
52) Toluene	10.39	92	4827	1.64	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	24693	53.56	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	24693	146.04	ug/l #	8

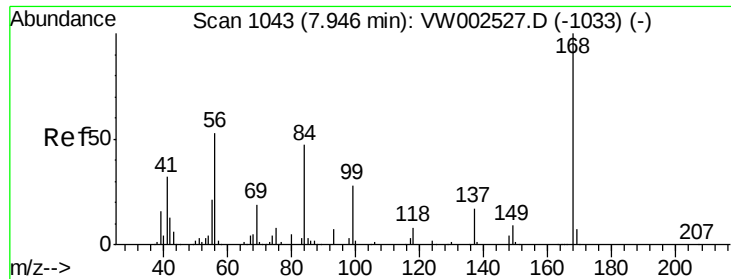
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 15 03:32:11 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

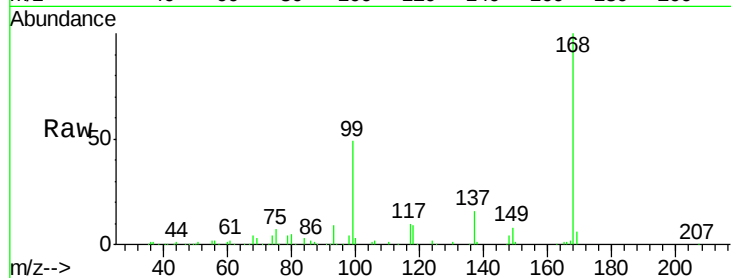
BP-3A

Tgt Ion:168 Resp: 121065

Ion Ratio Lower Upper

168 100

99 49.1 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

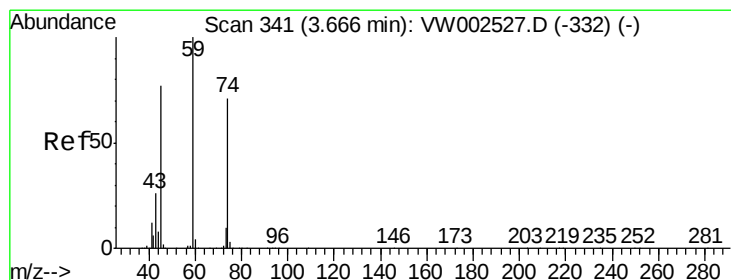
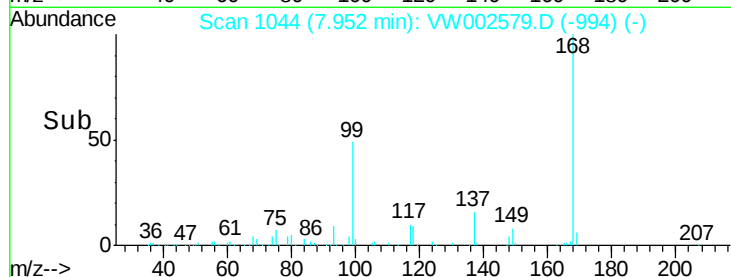
30000

20000

10000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 1.71 ug/l

RT: 3.67 min Scan# 341

Delta R.T. 0.00 min

Lab File: VW002579.D

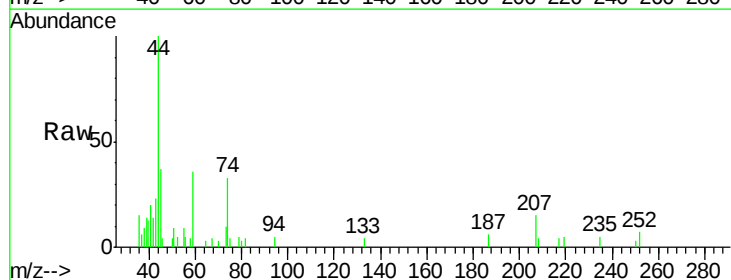
Acq: 16 May 2018 05:08

Tgt Ion: 74 Resp: 1265

Ion Ratio Lower Upper

74 100

45 136.1 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

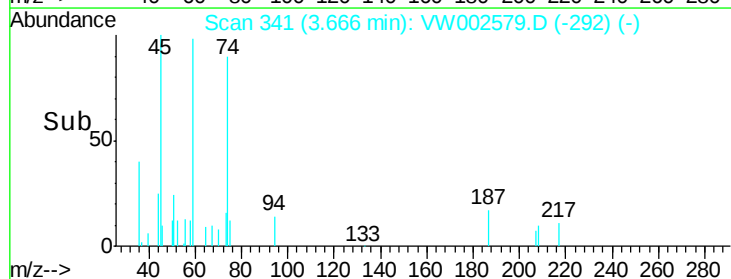
600

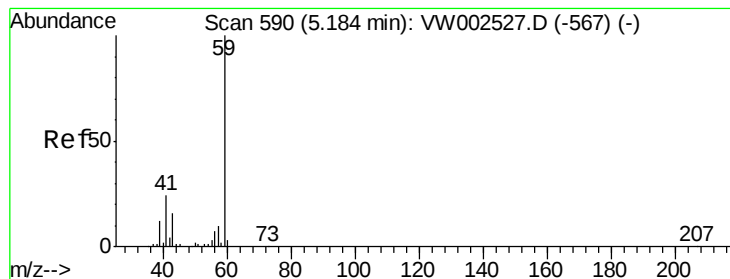
400

200

0

Time--> 3.60 3.65 3.70





#11

Tert butyl alcohol

Concen: 6.81 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

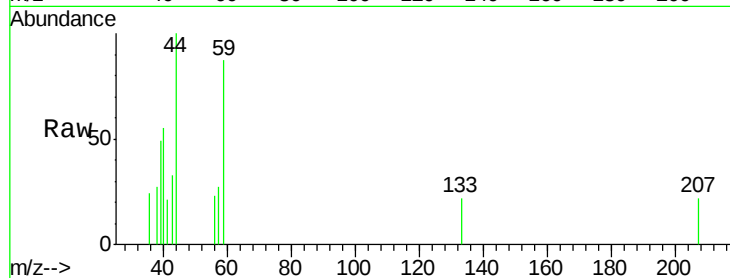
BP-3A

Tgt Ion: 59 Resp: 655

Ion Ratio Lower Upper

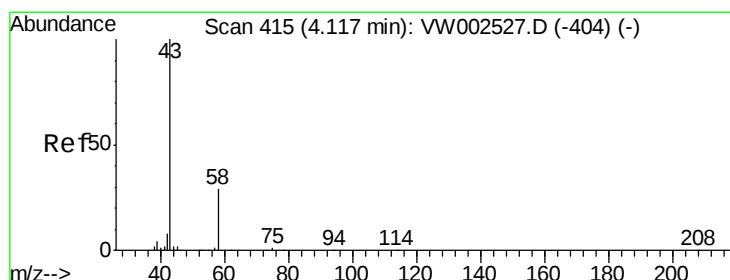
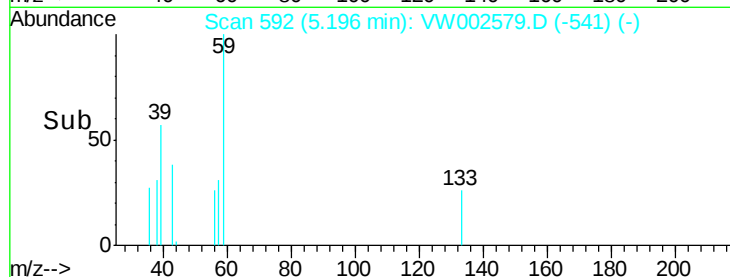
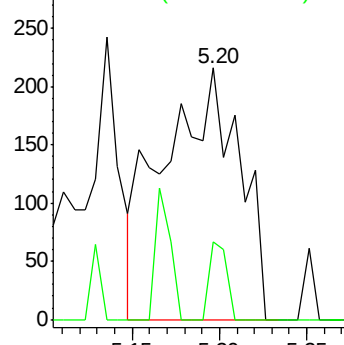
59 100

57 7.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 42.76 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002579.D

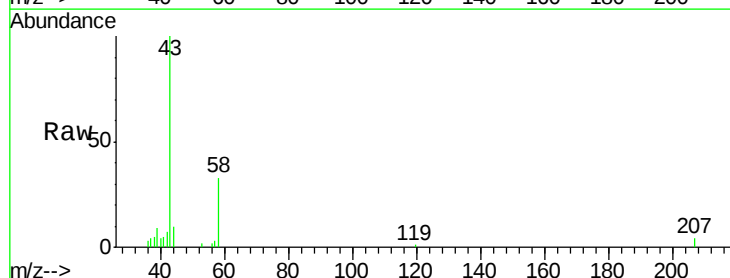
Acq: 16 May 2018 05:08

Tgt Ion: 43 Resp: 11294

Ion Ratio Lower Upper

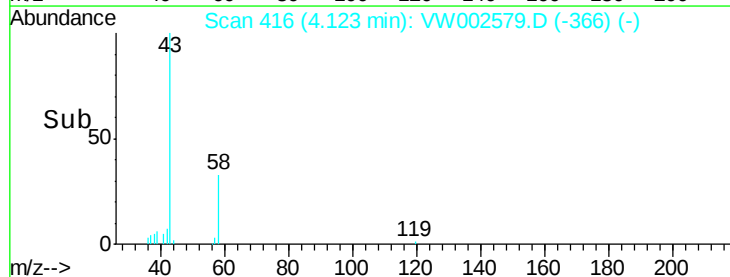
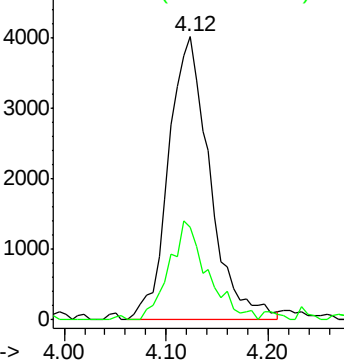
43 100

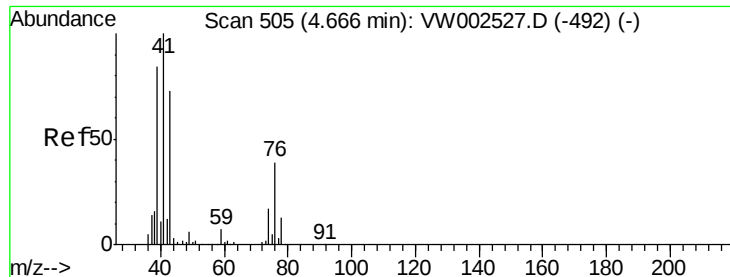
58 32.8 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

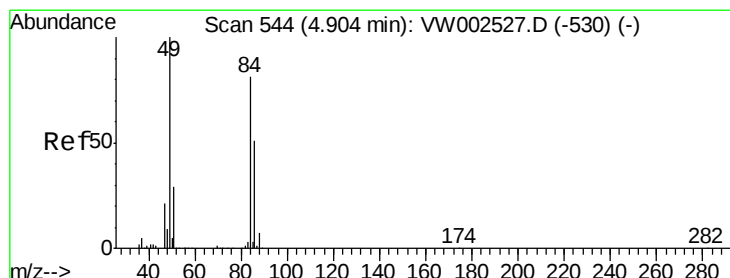
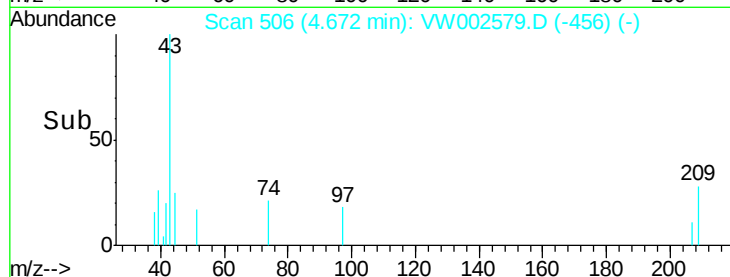
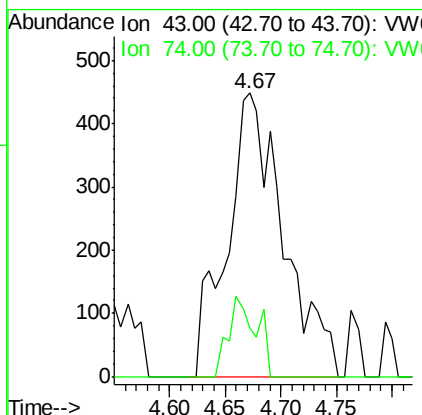
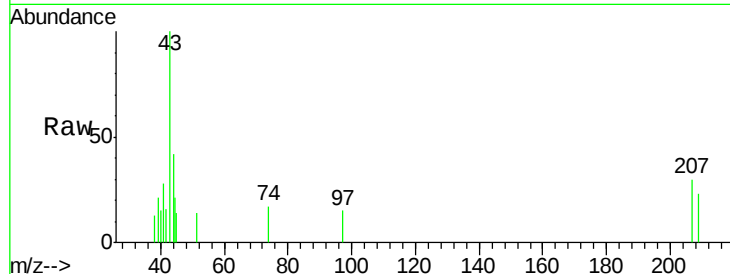




#18
Methyl Acetate
Concen: 2.08 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002579.D
Acq: 16 May 2018 05:08

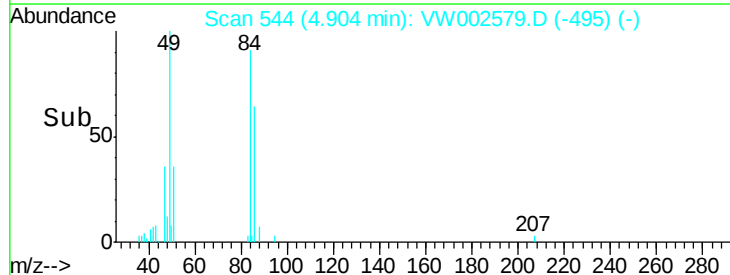
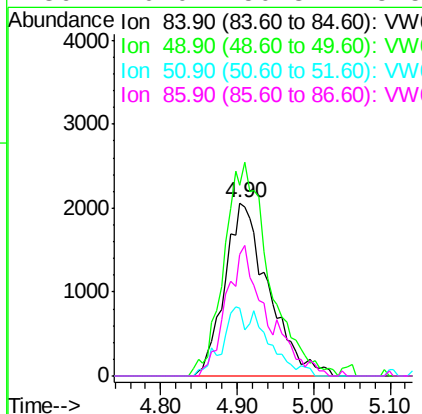
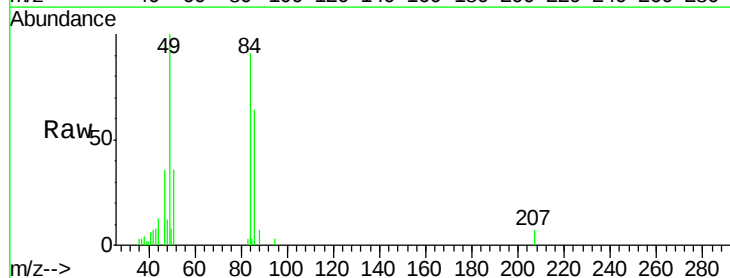
Instrument :
MSVOA_W
ClientSampled :
BP-3A

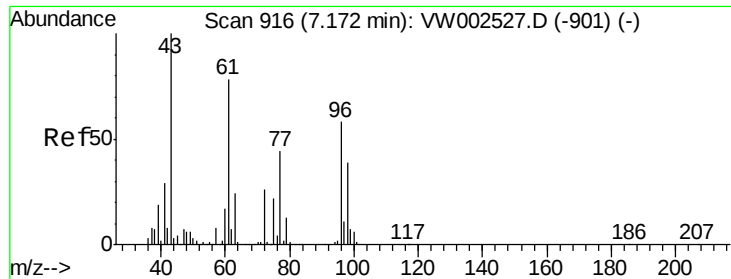
Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
74 13.6 19.2 28.8#



#20
Methylene Chloride
Concen: 5.32 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002579.D
Acq: 16 May 2018 05:08

Tgt Ion: 84 Resp: 8173
Ion Ratio Lower Upper
84 100
49 109.8 99.4 149.0
51 39.1 29.0 43.6
86 70.0 50.3 75.5





#25

2-Butanone

Concen: 9.26 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

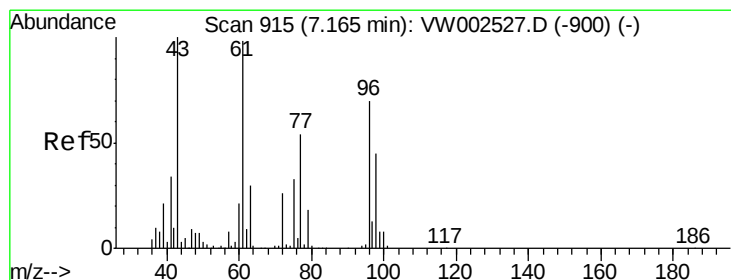
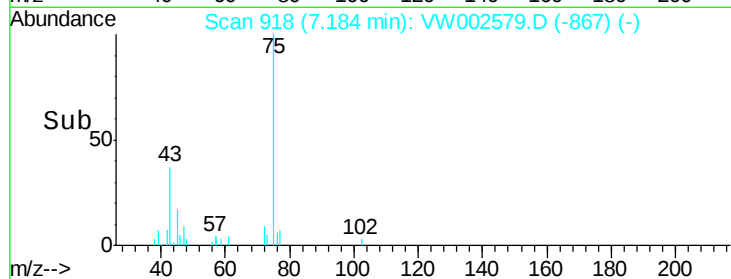
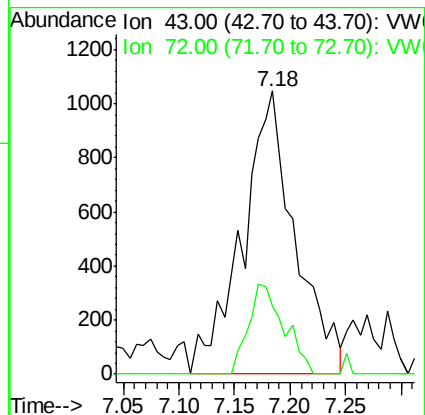
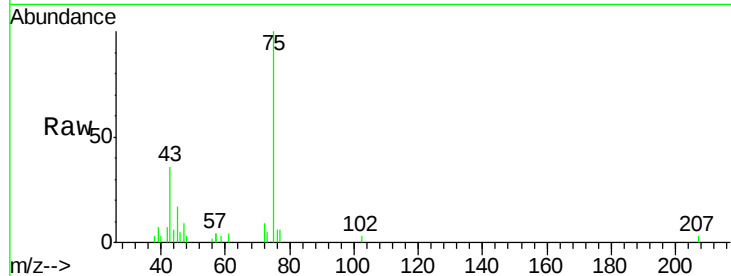
BP-3A

Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

72 24.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 1.02 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW002579.D

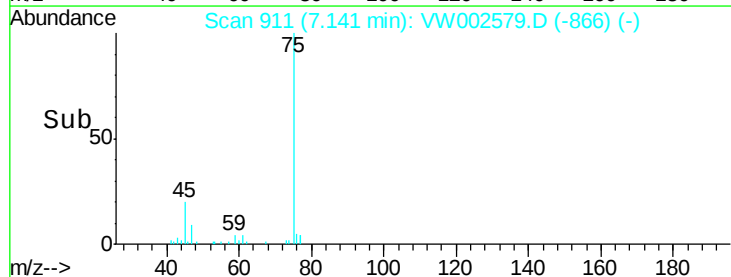
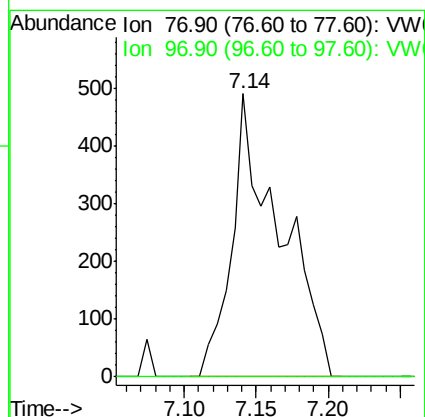
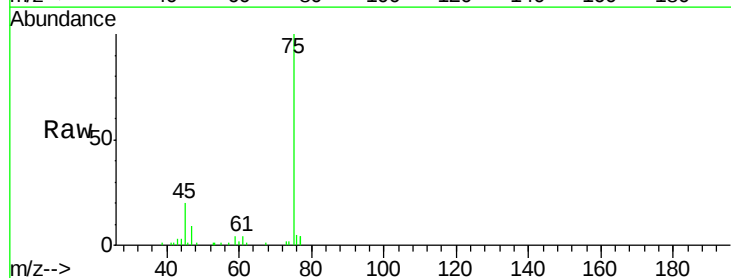
Acq: 16 May 2018 05:08

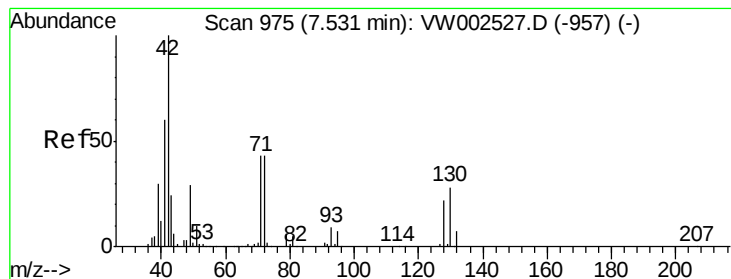
Tgt Ion: 77 Resp: 1141

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#





#29

Tetrahydrofuran

Concen: 1.29 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

BP-3A

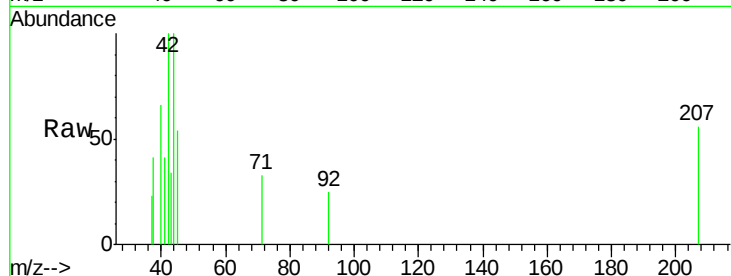
Tgt Ion: 42 Resp: 302

Ion Ratio Lower Upper

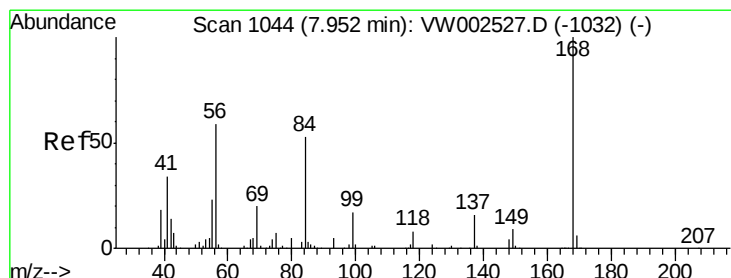
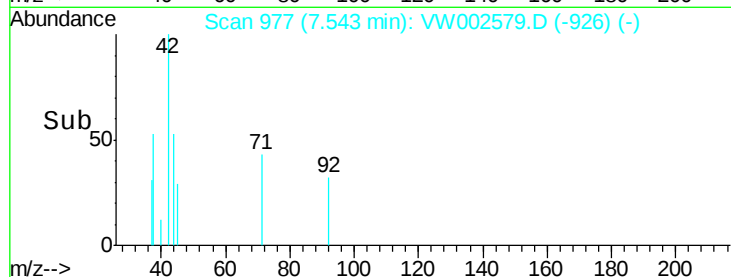
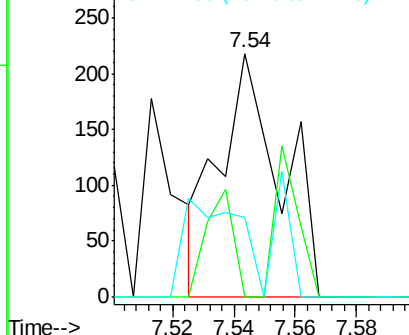
42 100

72 19.9 35.0 52.4#

71 37.1 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.55 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

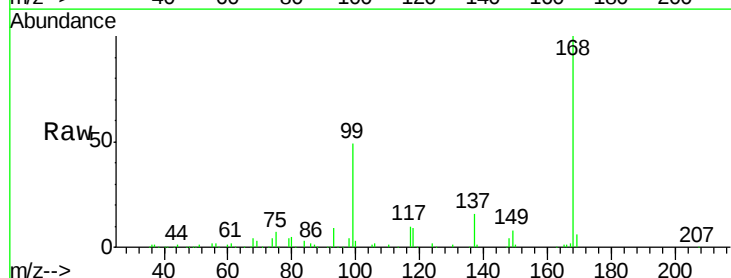
Tgt Ion: 56 Resp: 2760

Ion Ratio Lower Upper

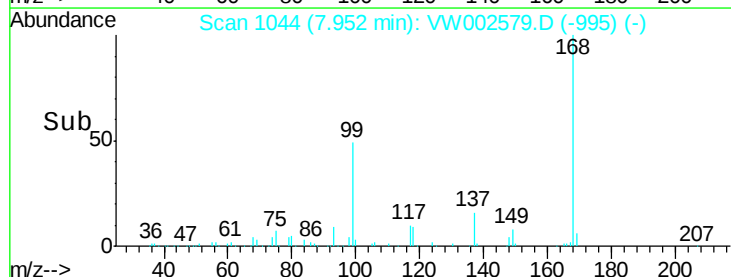
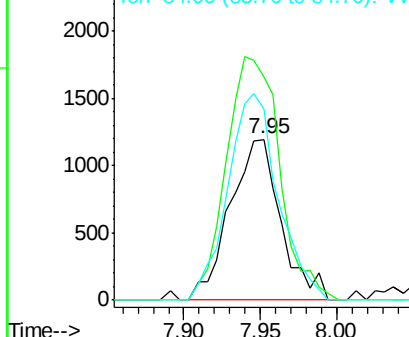
56 100

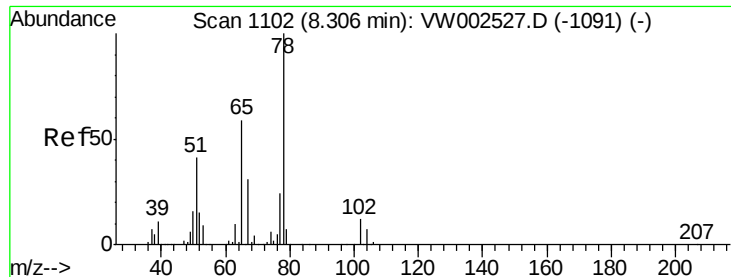
69 138.7 27.0 40.4#

84 118.6 72.2 108.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

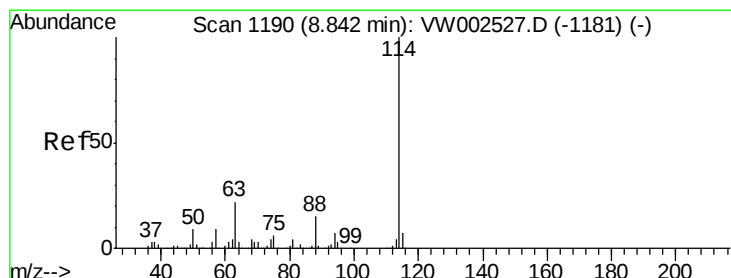
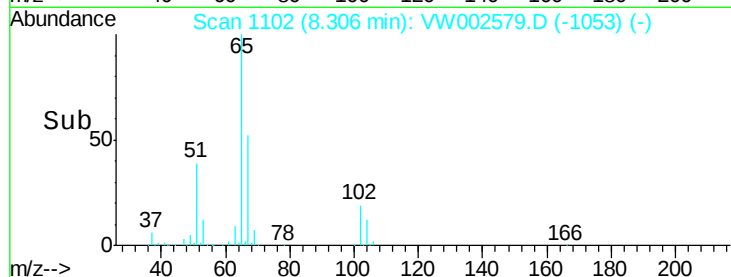
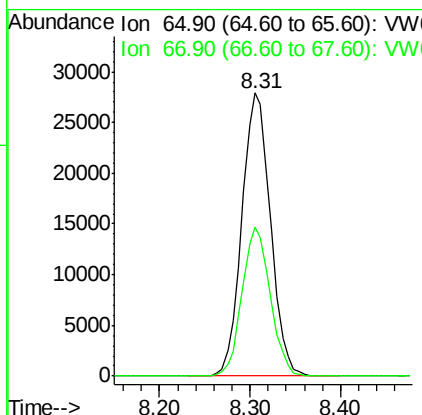
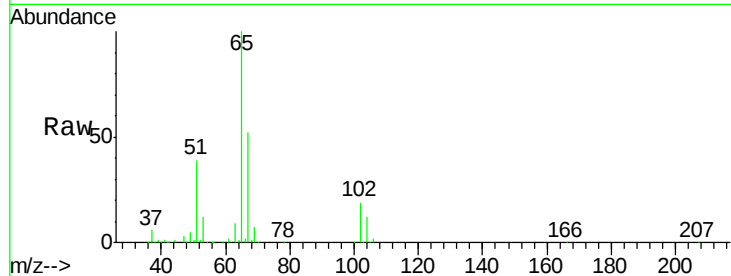




#33
 1,2-Dichloroethane-d4
 Concen: 48.72 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

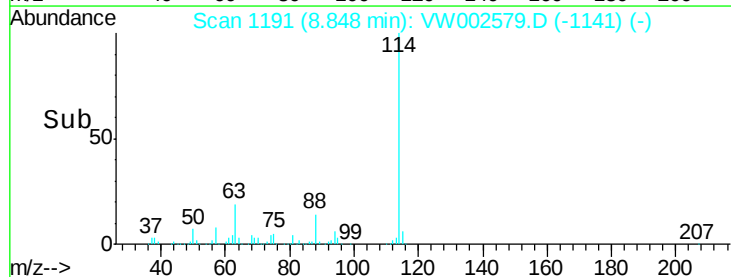
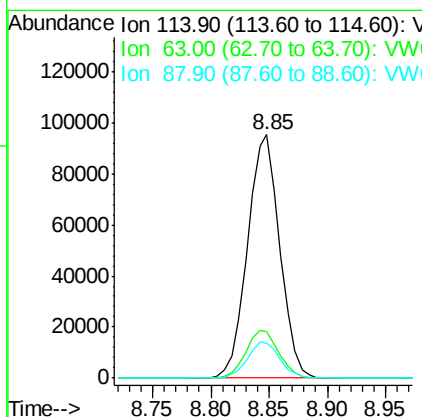
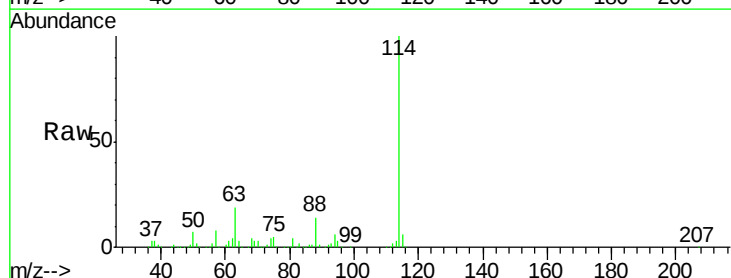
Instrument :
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 BP-3A

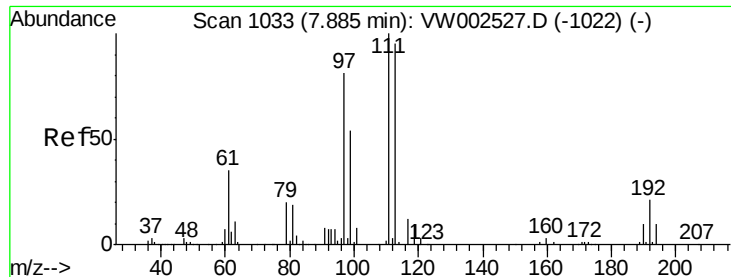
Tgt Ion: 65 Resp: 60954
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

Tgt Ion: 114 Resp: 184002
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.2
 88 14.4 0.0 29.2

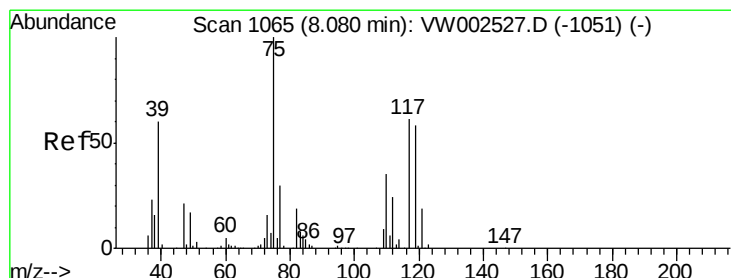
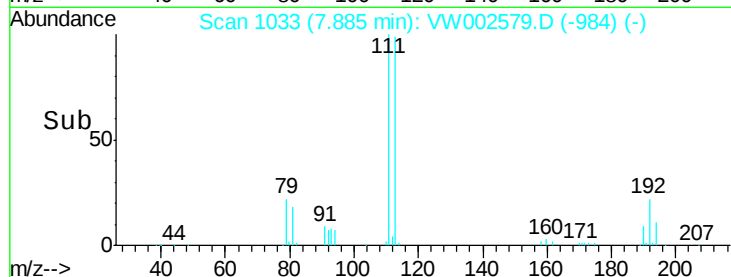
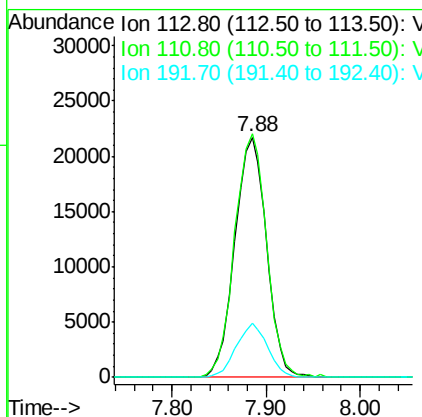
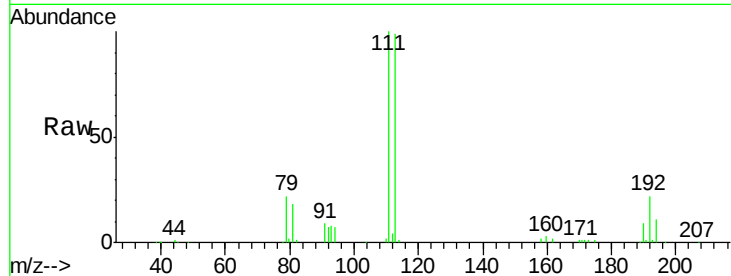




#35
 Dibromofluoromethane
 Concen: 43.69 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

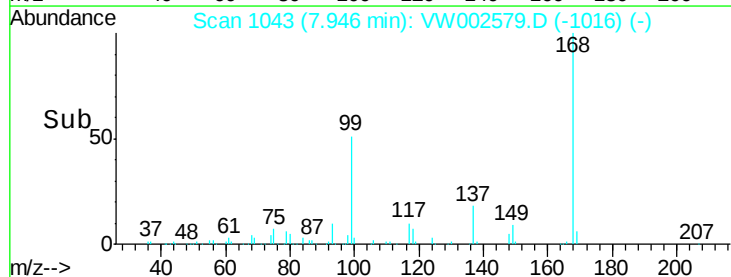
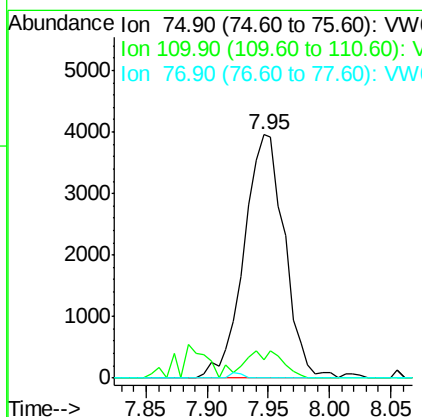
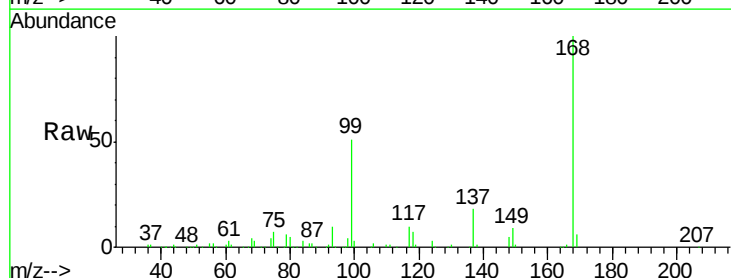
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-3A

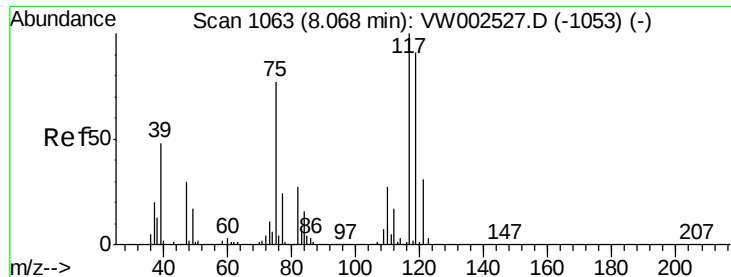
Tgt Ion: 113 Resp: 51005
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.8
 192 22.3 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.61 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

Tgt Ion: 75 Resp: 9107
 Ion Ratio Lower Upper
 75 100
 110 6.3 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.44 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

BP-3A

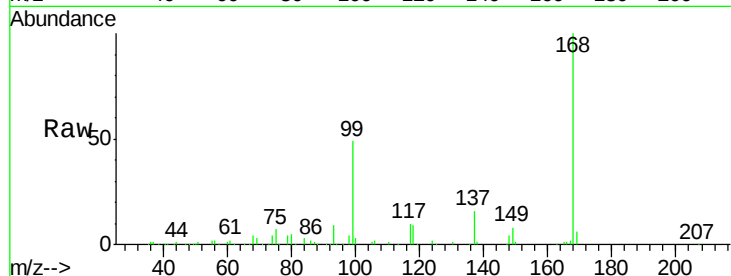
Tgt Ion:117 Resp: 11833

Ion Ratio Lower Upper

117 100

119 4.2 73.1 109.7#

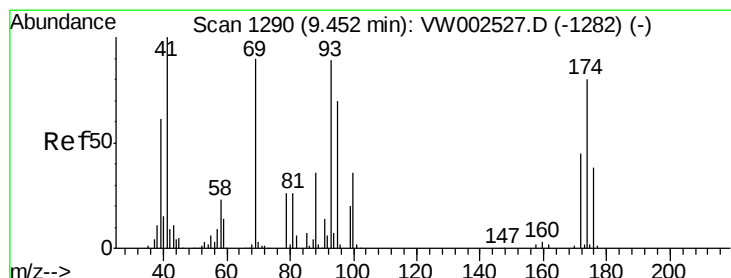
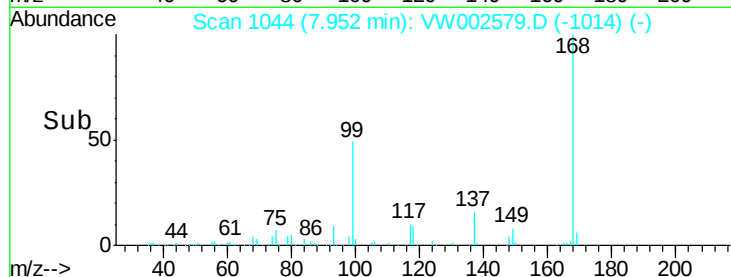
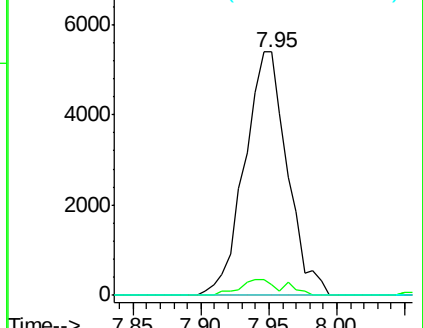
121 0.0 24.4 36.6#



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: 4.53 ug/l

RT: 9.52 min Scan# 1301

Delta R.T. 0.07 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

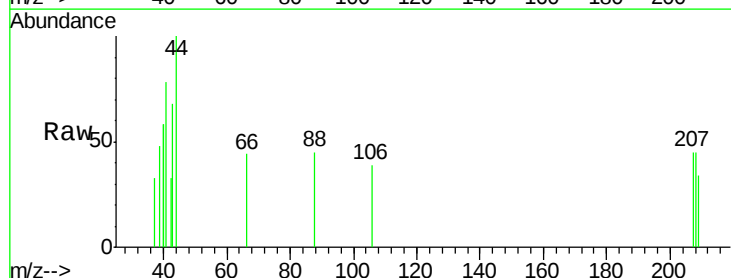
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 439.2 27.0 40.4#

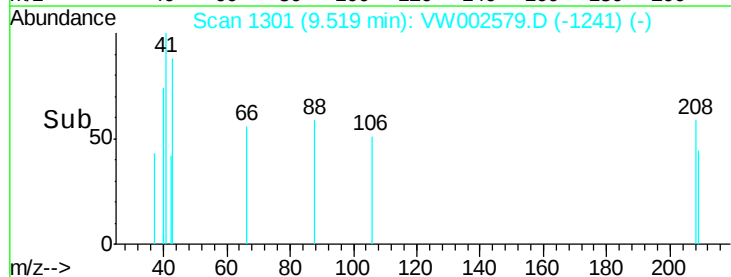
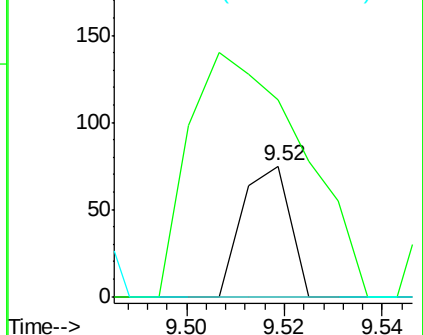
58 0.0 56.9 85.3#

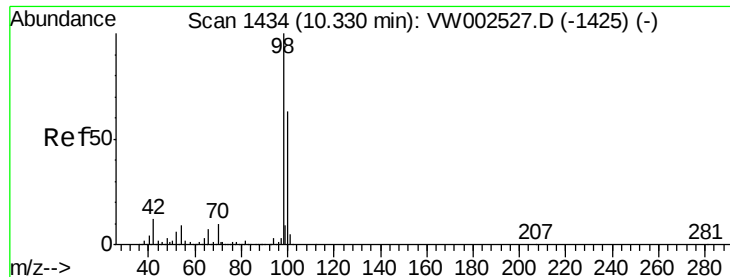


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 36.59 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampled :

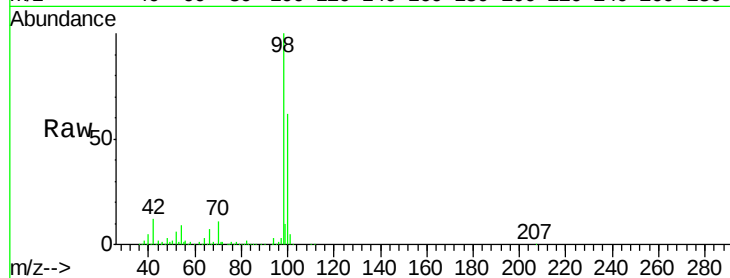
BP-3A

Tgt Ion: 98 Resp: 162518

Ion Ratio Lower Upper

98 100

100 62.7 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

80000

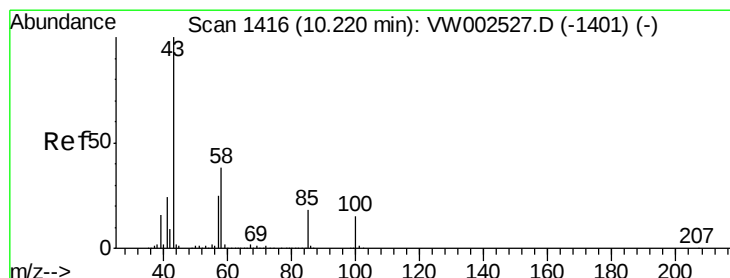
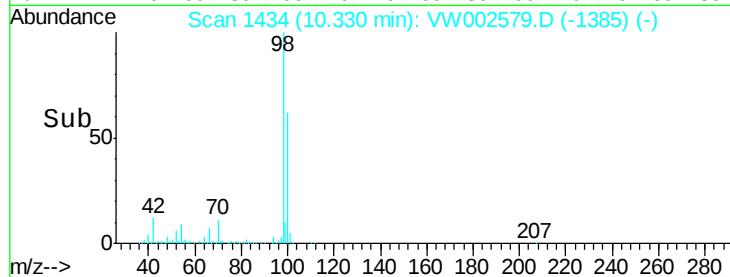
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.41 ug/l

RT: 10.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VW002579.D

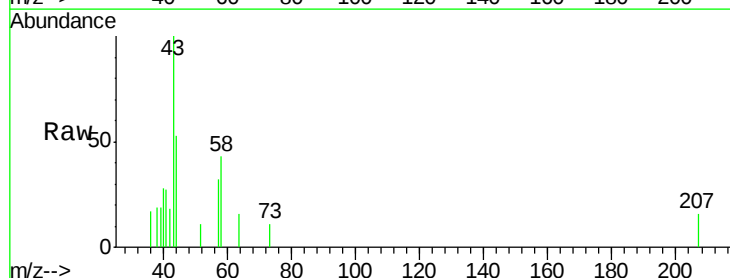
Acq: 16 May 2018 05:08

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

58 40.3 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.23

600

500

400

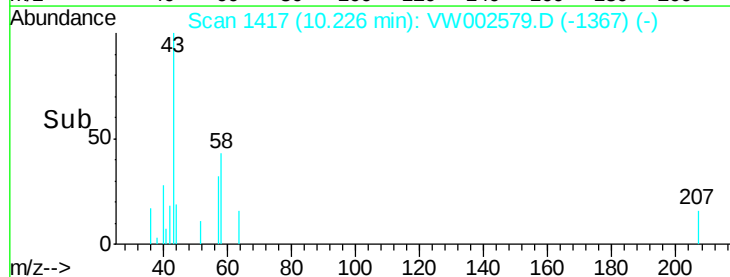
300

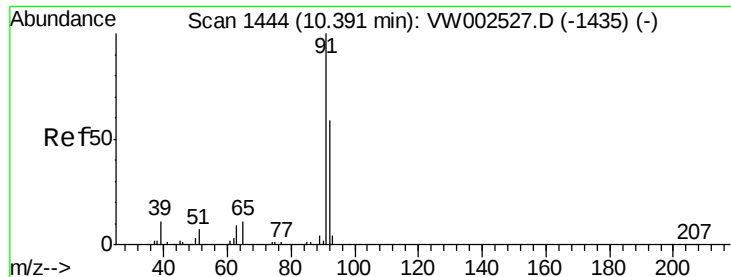
200

100

0

Time-->





#52

Toluene

Concen: 1.64 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

Instrument :

MSVOA_W

ClientSampleId :

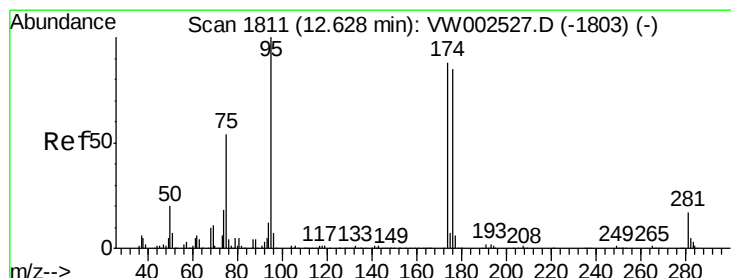
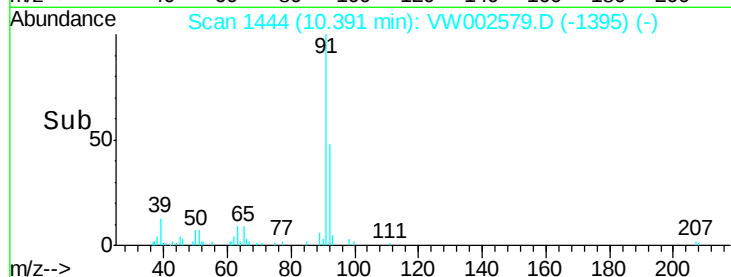
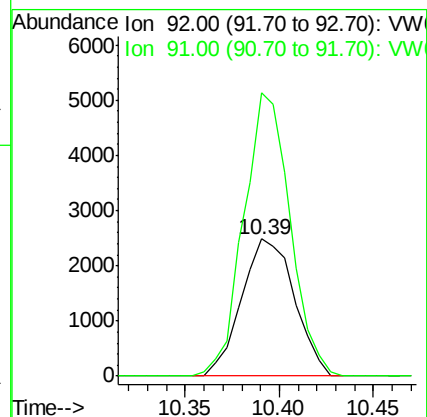
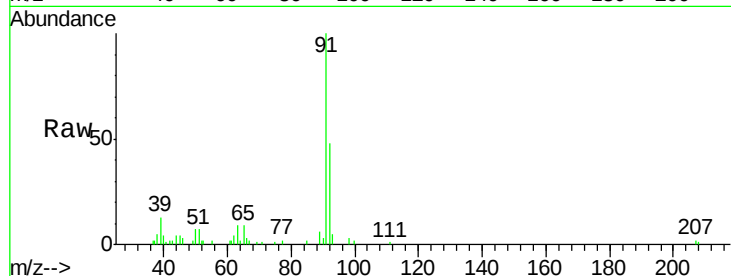
BP-3A

Tgt Ion: 92 Resp: 4827

Ion Ratio Lower Upper

92 100

91 181.6 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 28.83 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002579.D

Acq: 16 May 2018 05:08

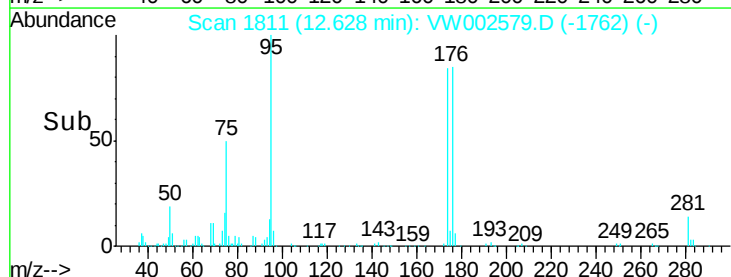
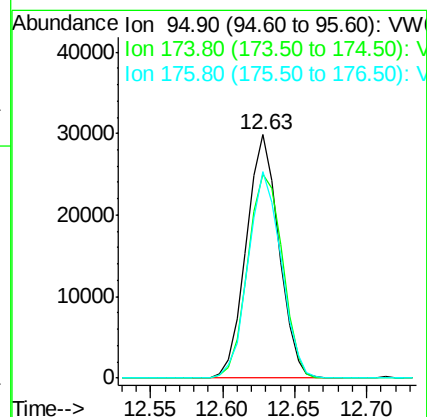
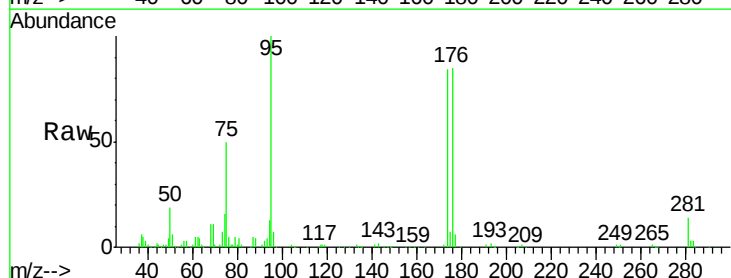
Tgt Ion: 95 Resp: 46822

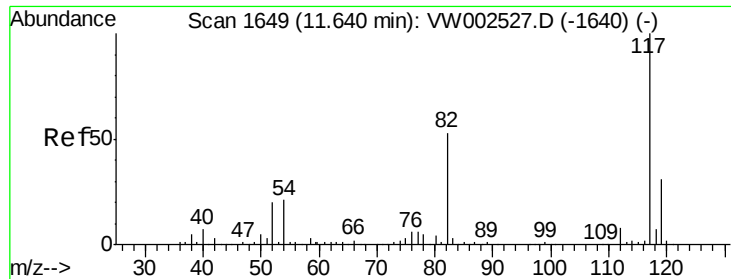
Ion Ratio Lower Upper

95 100

174 89.4 0.0 176.6

176 85.9 0.0 172.2

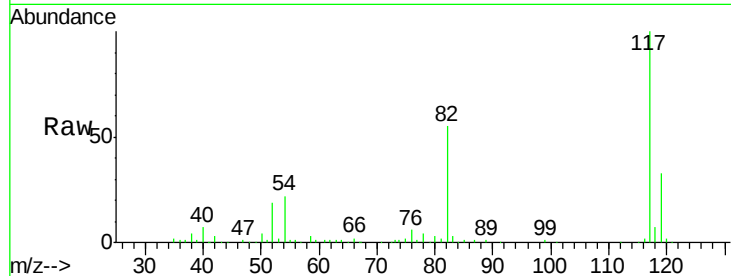




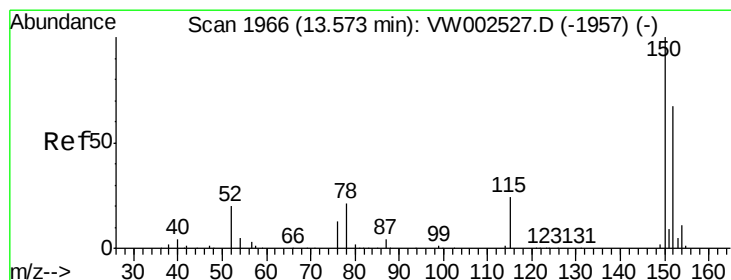
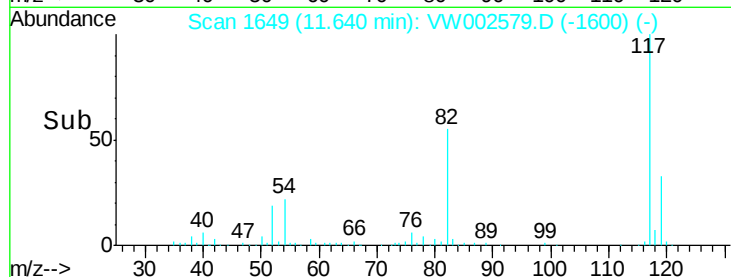
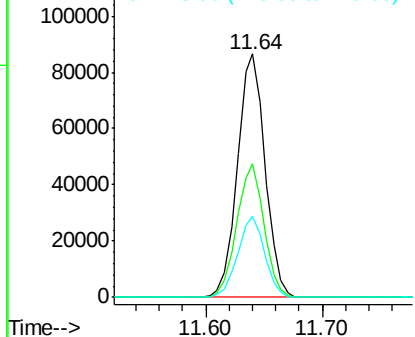
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002579.D
Acq: 16 May 2018 05:08

Instrument :
MSVOA_W
ClientSampleId :
BP-3A

Tgt Ion:117 Resp: 142820
Ion Ratio Lower Upper
117 100
82 54.9 42.6 64.0
119 33.2 25.0 37.6

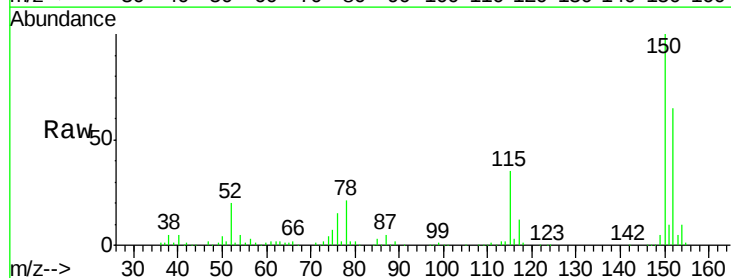


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

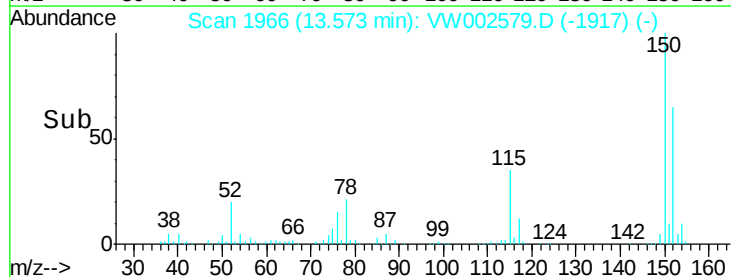
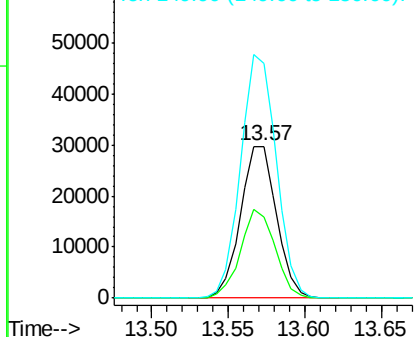


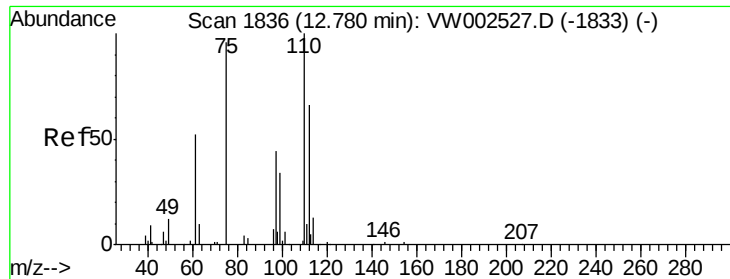
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002579.D
Acq: 16 May 2018 05:08

Tgt Ion:152 Resp: 48769
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 158.7 0.0 345.4



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

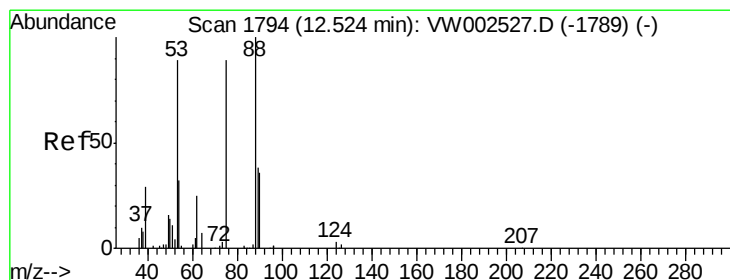
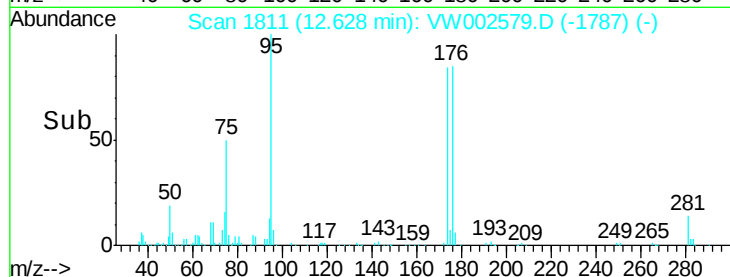
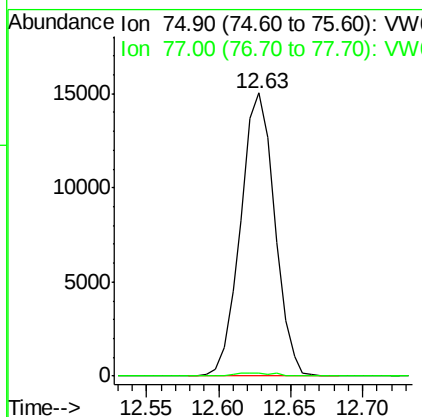
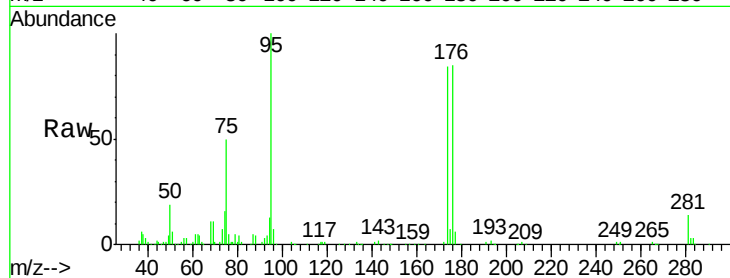




#76
 1,2,3-Trichloropropane
 Concen: 53.56 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-3A

Tgt Ion: 75 Resp: 24693
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.04 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002579.D
 Acq: 16 May 2018 05:08

Tgt Ion: 75 Resp: 24693
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.6 124.0#
 89 0.1 39.2 58.8#

