

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002585.D
 Acq On : 16 May 2018 07:38
 Operator : JC/SY
 Sample : J2785-16
 Misc : 5.02G/10ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-6A

Quant Time: May 16 08:11:22 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	93455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	140565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	89234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	29735	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	52098	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
35) Dibromofluoromethane	7.88	113	43586	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.33	98	98966	29.17	ug/l	0.00
Spiked Amount			Recovery	=	58.34%	
62) 4-Bromofluorobenzene	12.63	95	30066	24.24	ug/l	0.00
Spiked Amount			Recovery	=	48.48%	

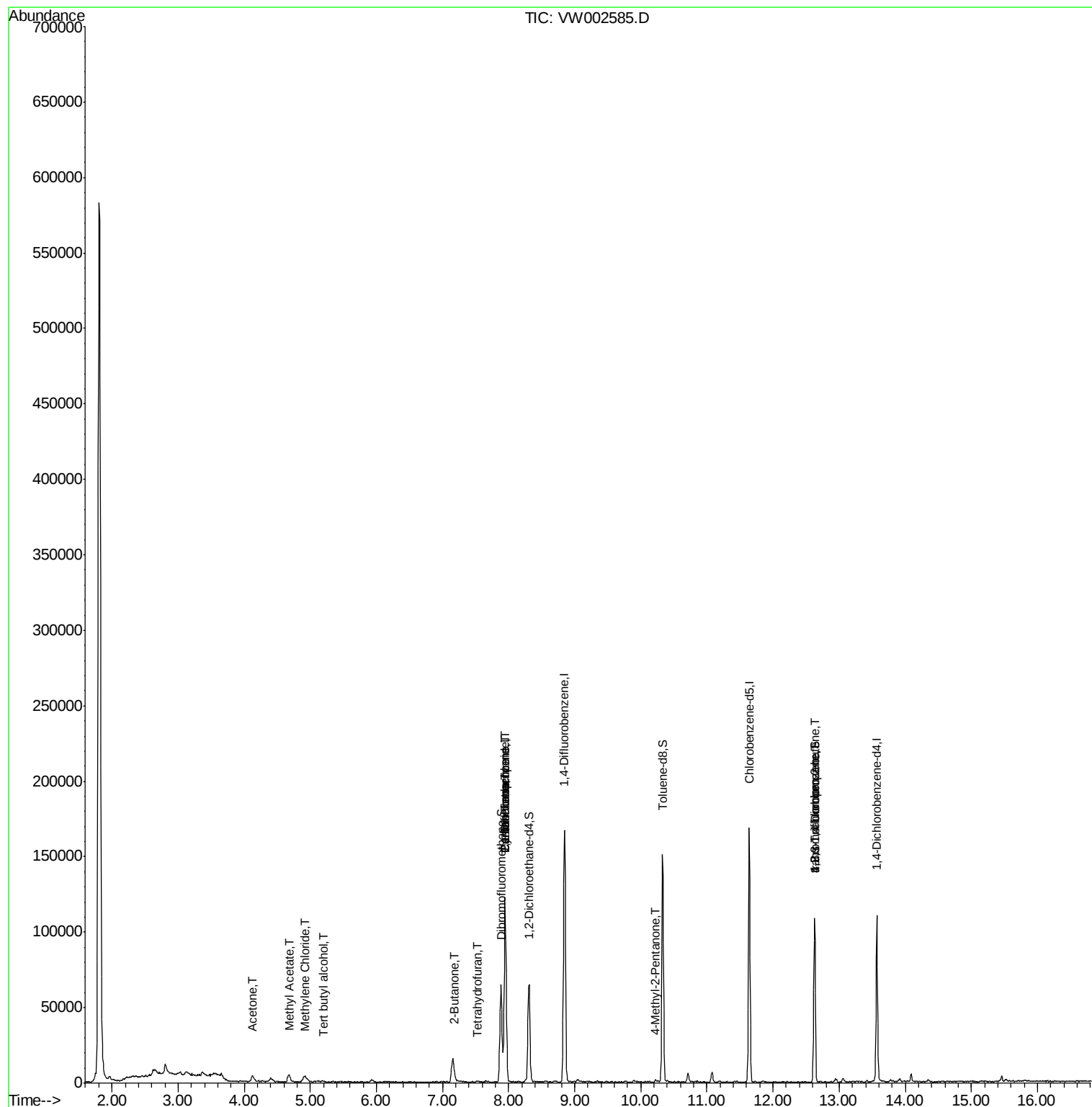
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	301	4.05	ug/l #	72
16) Acetone	4.12	43	6792	33.31	ug/l	94
18) Methyl Acetate	4.68	43	8537	14.36	ug/l	99
20) Methylene Chloride	4.92	84	3319	1.42	ug/l #	78
25) 2-Butanone	7.18	43	2489	8.63	ug/l #	80
29) Tetrahydrofuran	7.53	42	195	1.08	ug/l #	63
31) Cyclohexane	7.95	56	2336	1.70	ug/l #	48
36) 1,1-Dichloropropene	7.94	75	7263	5.86	ug/l #	51
38) Carbon Tetrachloride	7.95	117	8949	7.37	ug/l #	18
51) 4-Methyl-2-Pentanone	10.23	43	1055	1.62	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	15650	55.68	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	15650	151.81	ug/l #	8

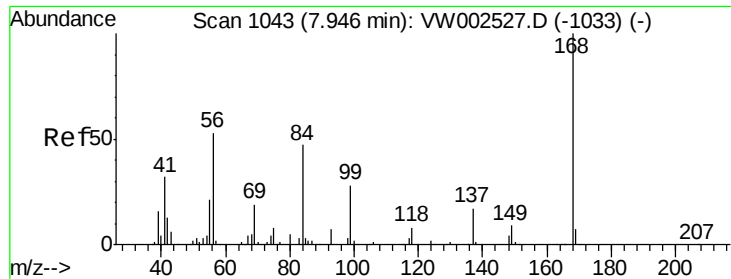
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampled :

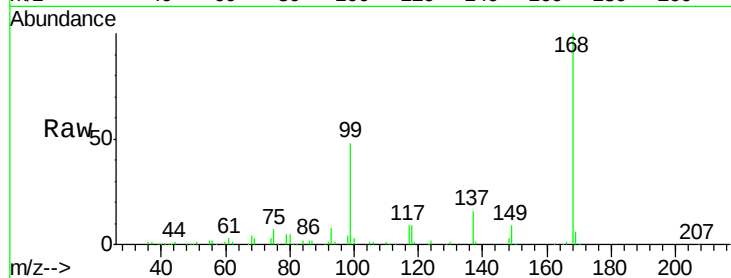
BP-6A

Tgt Ion: 168 Resp: 93455

Ion Ratio Lower Upper

168 100

99 47.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

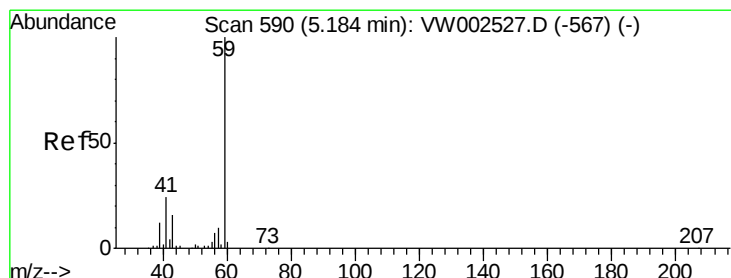
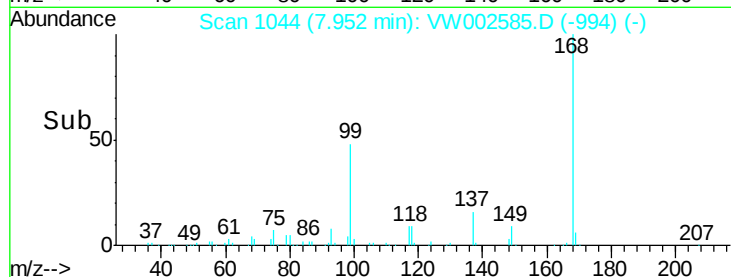
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 4.05 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.02 min

Lab File: VW002585.D

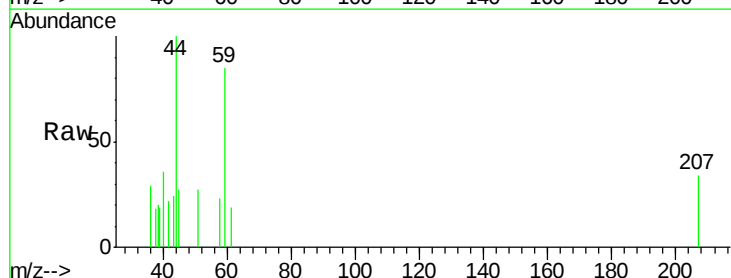
Acq: 16 May 2018 07:38

Tgt Ion: 59 Resp: 301

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

150

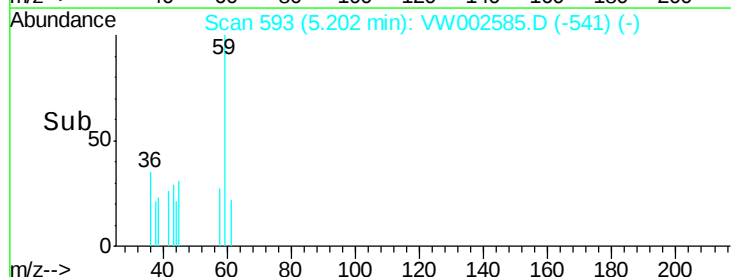
100

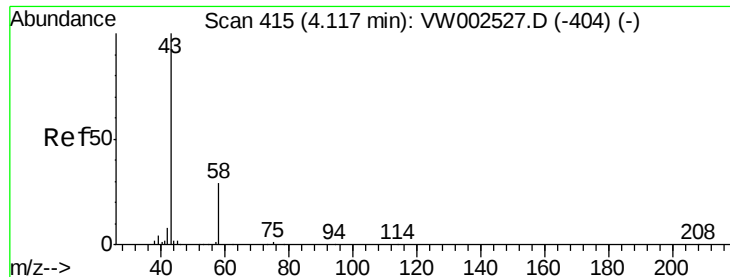
50

0

5.18 5.20 5.22 5.24 5.26

Time-->





#16

Acetone

Concen: 33.31 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampled :

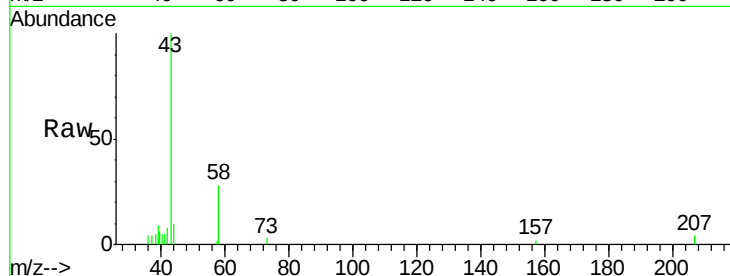
BP-6A

Tgt Ion: 43 Resp: 6792

Ion Ratio Lower Upper

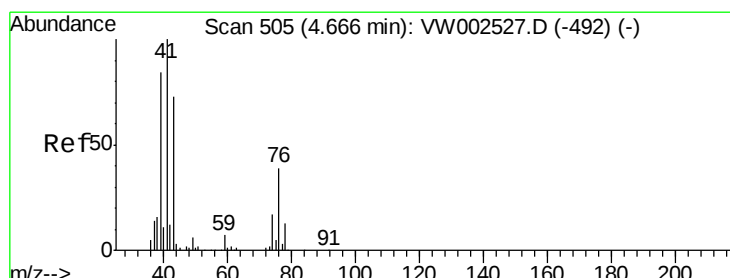
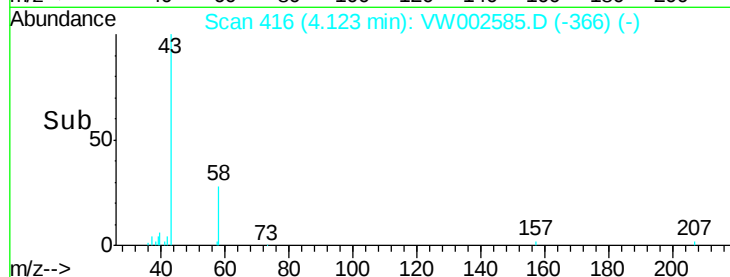
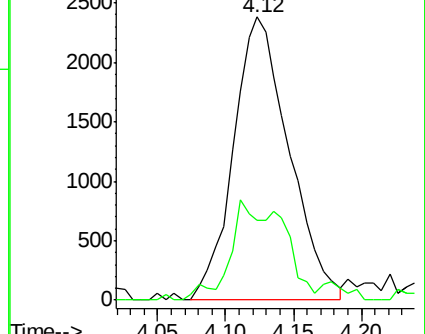
43 100

58 26.0 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: 14.36 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002585.D

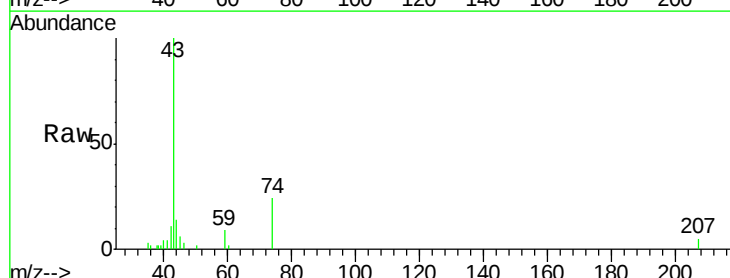
Acq: 16 May 2018 07:38

Tgt Ion: 43 Resp: 8537

Ion Ratio Lower Upper

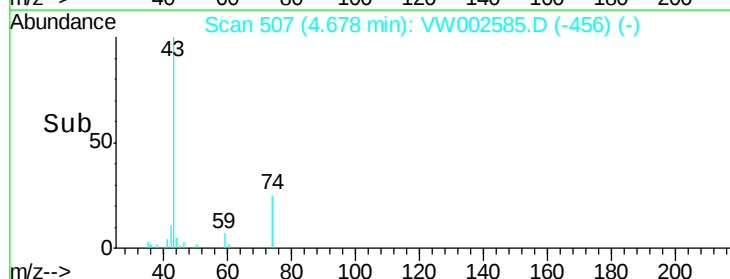
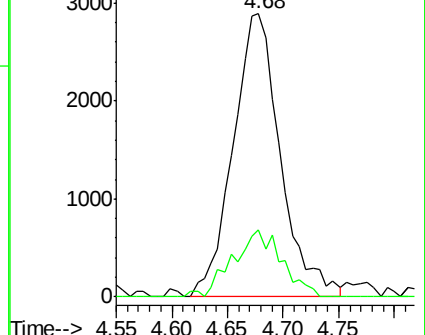
43 100

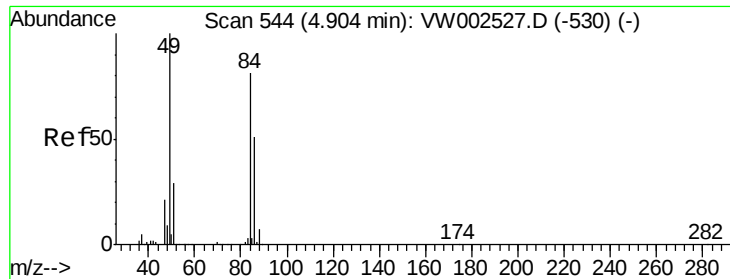
74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

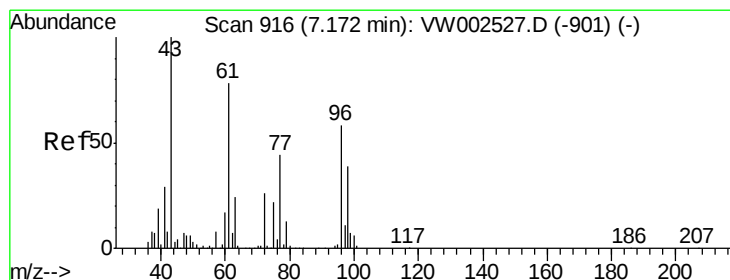
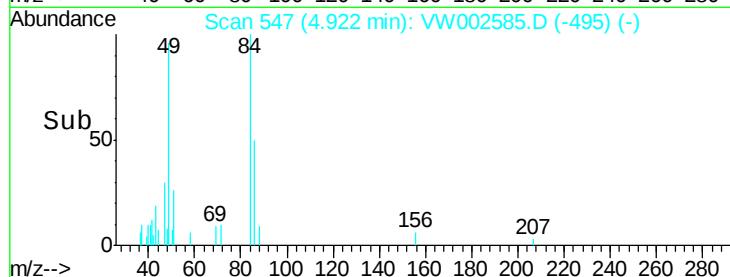
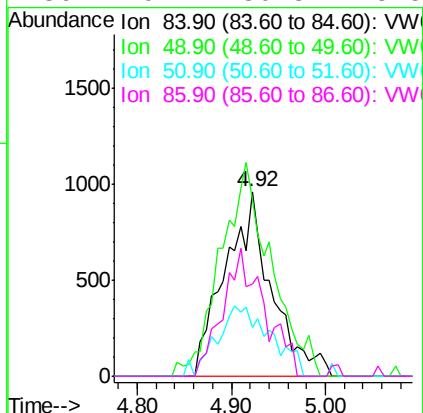
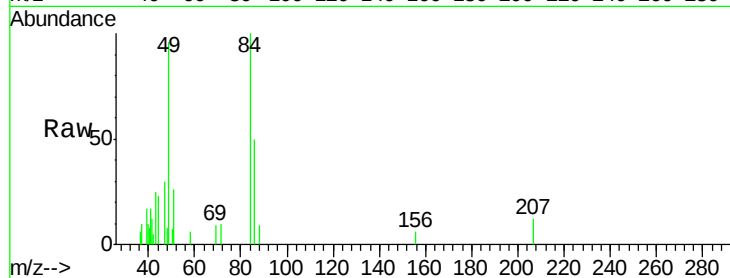




#20
Methylene Chloride
Concen: 1.42 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.02 min
Lab File: VW002585.D
Acq: 16 May 2018 07:38

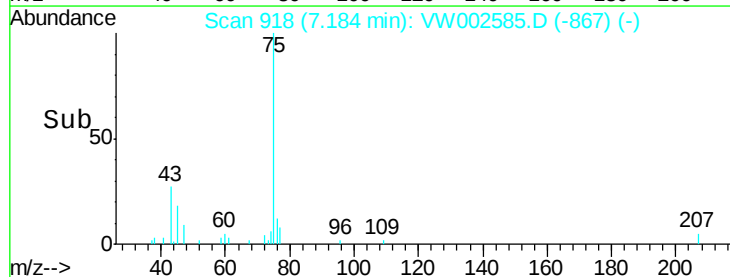
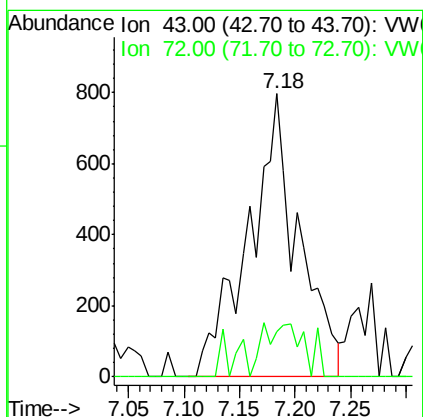
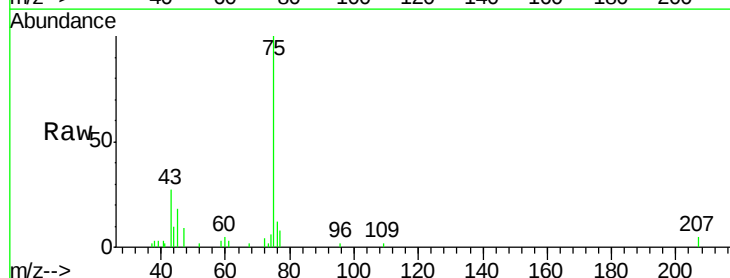
Instrument :
MSVOA_W
ClientSampleId :
BP-6A

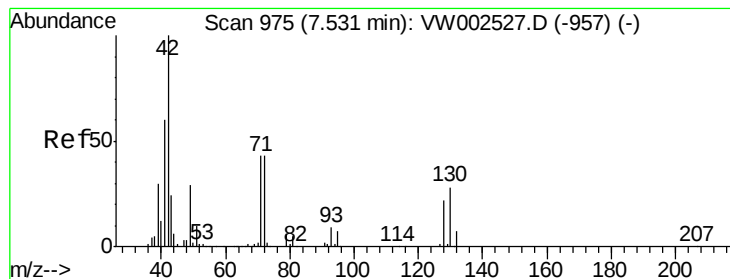
Tgt Ion:	84	Resp:	3319
Ion	Ratio	Lower	Upper
84	100		
49	95.6	99.4	149.0#
51	26.3	29.0	43.6#
86	49.7	50.3	75.5#



#25
2-Butanone
Concen: 8.63 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW002585.D
Acq: 16 May 2018 07:38

Tgt Ion:	43	Resp:	2489
Ion	Ratio	Lower	Upper
43	100		
72	16.1	20.9	31.3#





#29

Tetrahydrofuran

Concen: 1.08 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

BP-6A

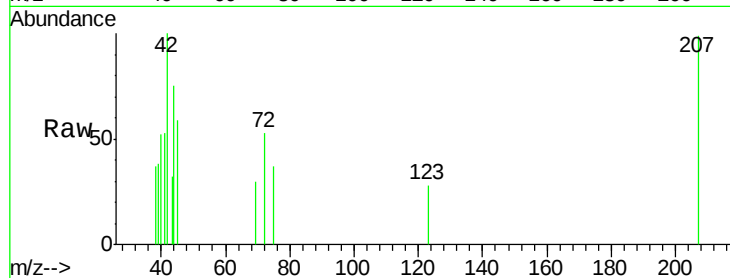
Tgt Ion: 42 Resp: 195

Ion Ratio Lower Upper

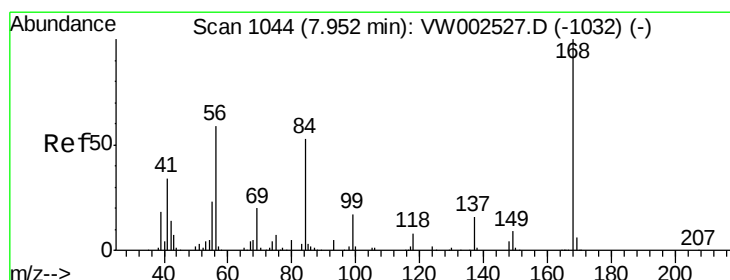
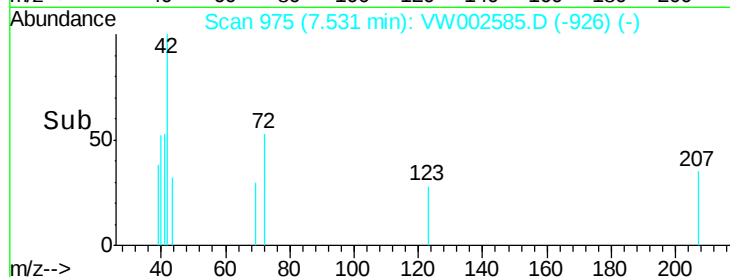
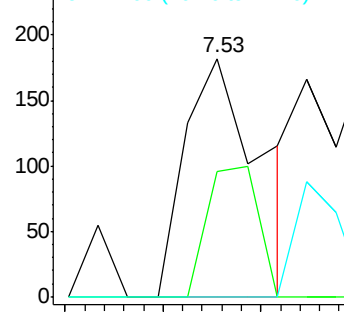
42 100

72 36.9 35.0 52.4

71 0.0 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: 1.70 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

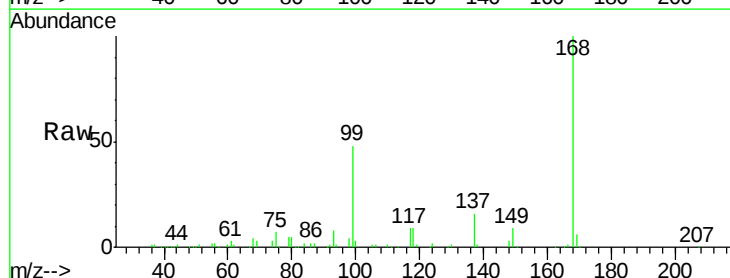
Tgt Ion: 56 Resp: 2336

Ion Ratio Lower Upper

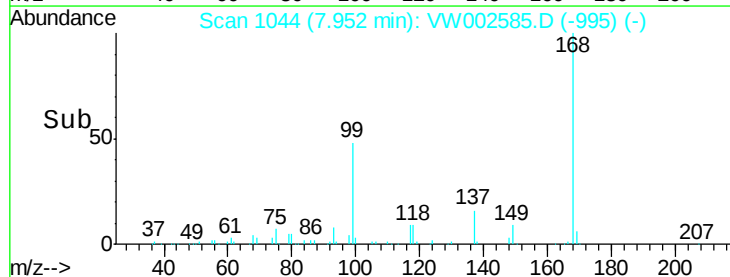
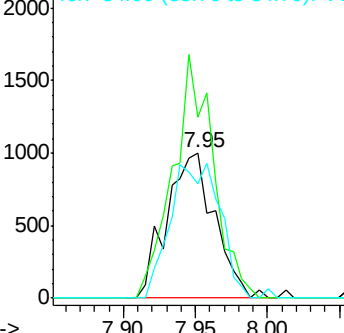
56 100

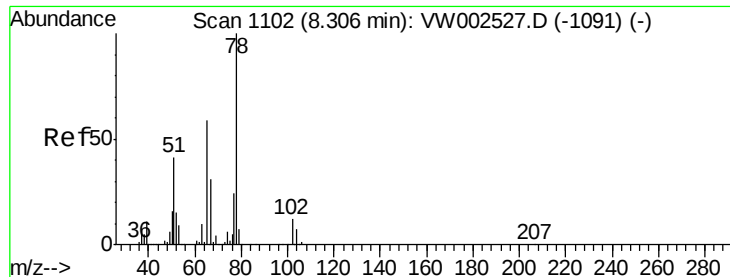
69 124.3 27.0 40.4#

84 78.9 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: 53.95 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampled :

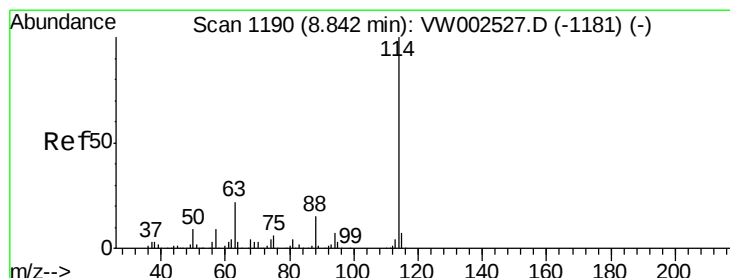
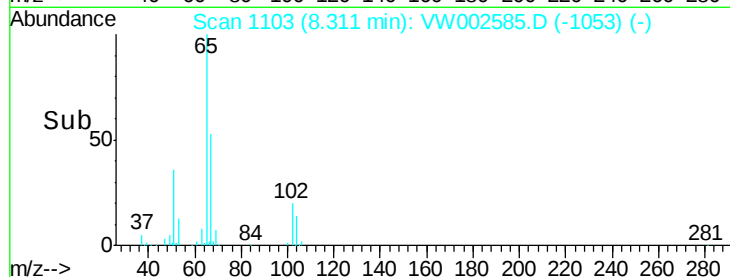
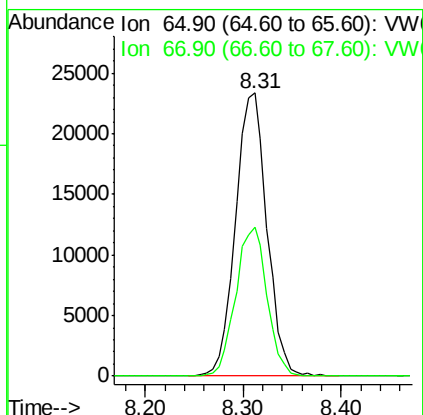
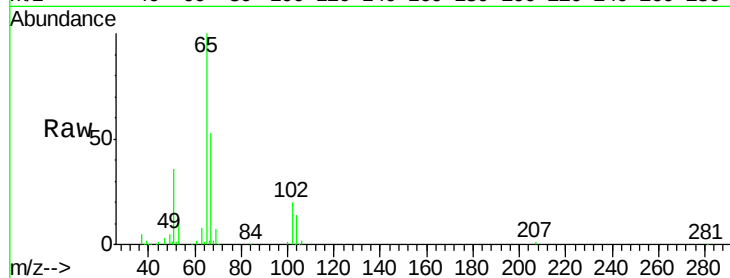
BP-6A

Tgt Ion: 65 Resp: 52098

Ion Ratio Lower Upper

65 100

67 52.1 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: VW002585.D

Acq: 16 May 2018 07:38

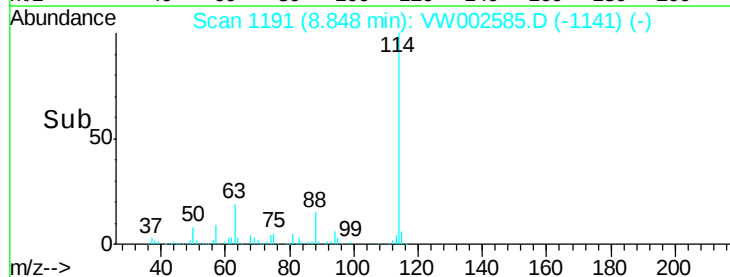
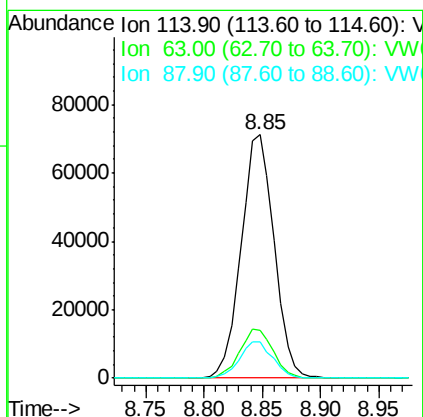
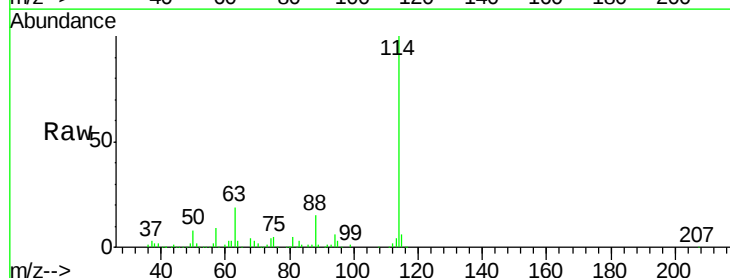
Tgt Ion: 114 Resp: 140565

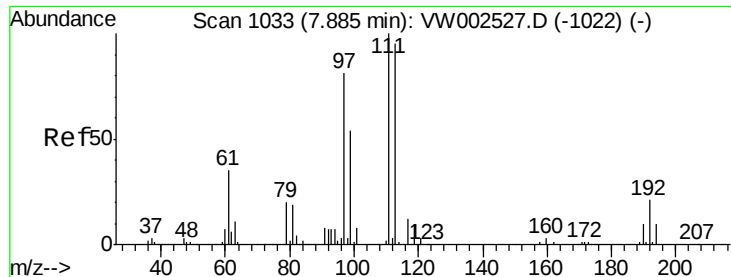
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.7 0.0 29.2

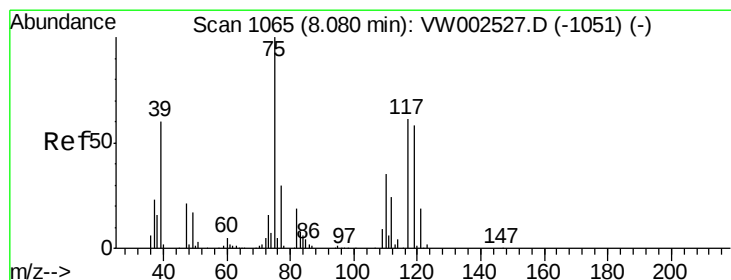
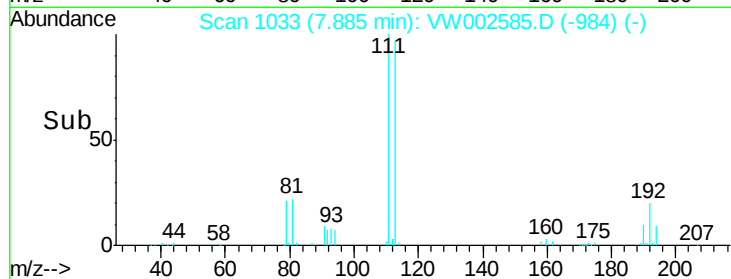
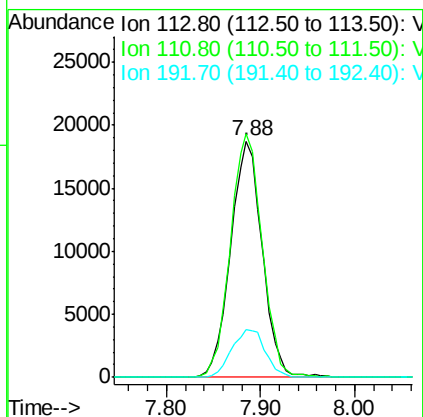
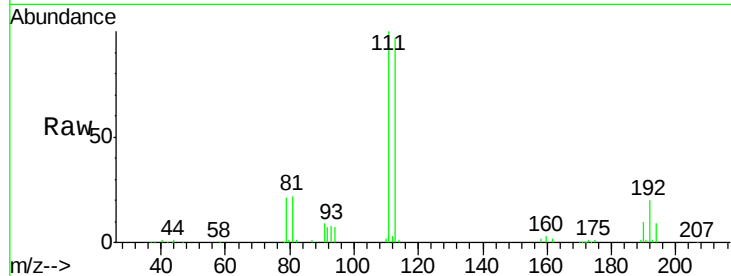




#35
 Dibromofluoromethane
 Concen: 48.88 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002585.D
 Acq: 16 May 2018 07:38

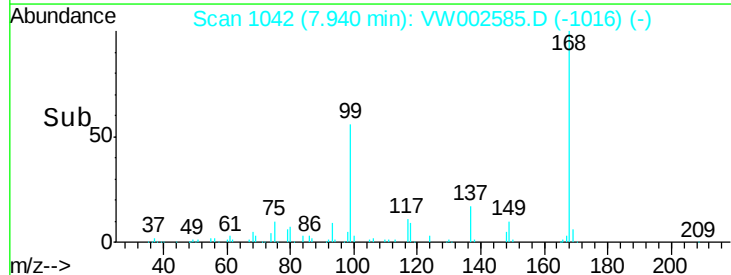
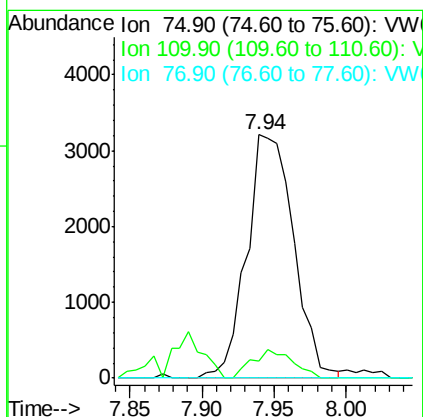
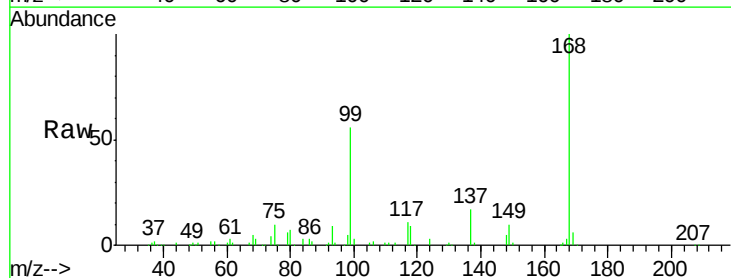
Instrument :
 MSVOA_W
 ClientSampled :
 BP-6A

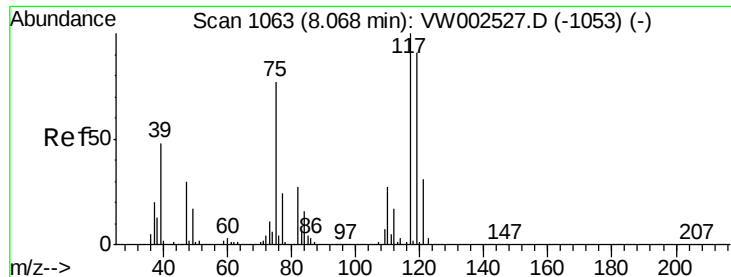
Tgt Ion:113 Resp: 43586
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.8
 192 21.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.86 ug/l
 RT: 7.94 min Scan# 1042
 Delta R.T. -0.14 min
 Lab File: VW002585.D
 Acq: 16 May 2018 07:38

Tgt Ion: 75 Resp: 7263
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.8 53.5#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 7.37 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

BP-6A

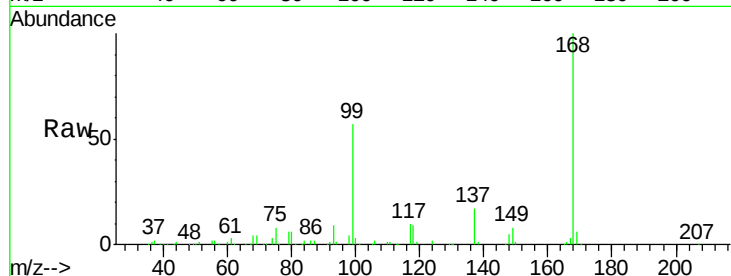
Tgt Ion: 117 Resp: 8949

Ion Ratio Lower Upper

117 100

119 5.6 73.1 109.7#

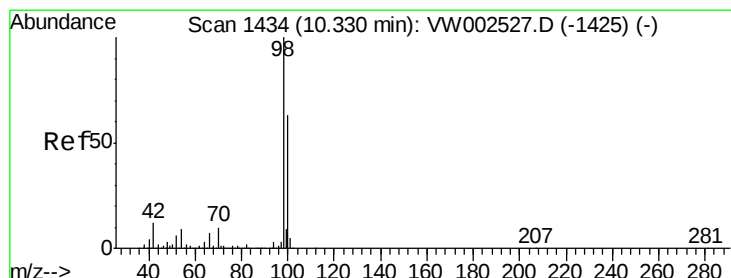
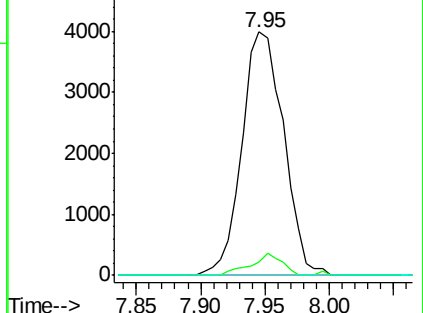
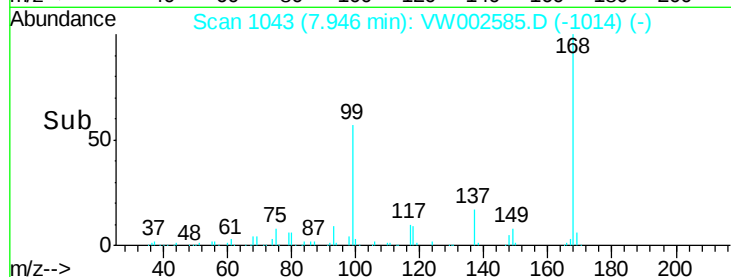
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 29.17 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002585.D

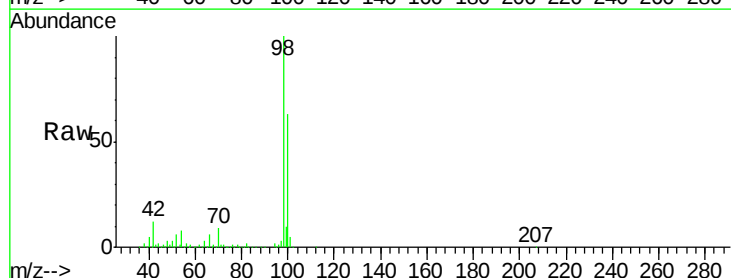
Acq: 16 May 2018 07:38

Tgt Ion: 98 Resp: 98966

Ion Ratio Lower Upper

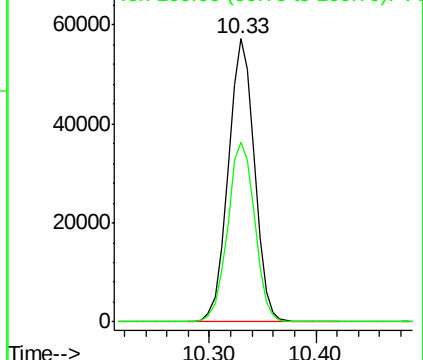
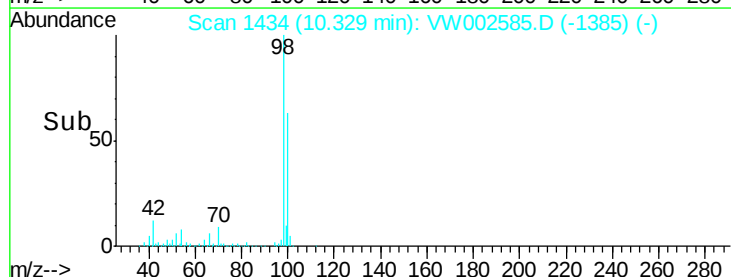
98 100

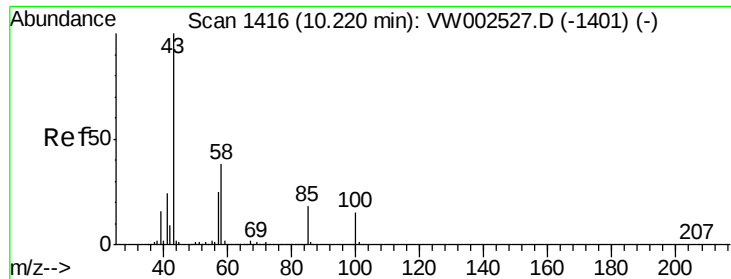
100 65.2 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.62 ug/l

RT: 10.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

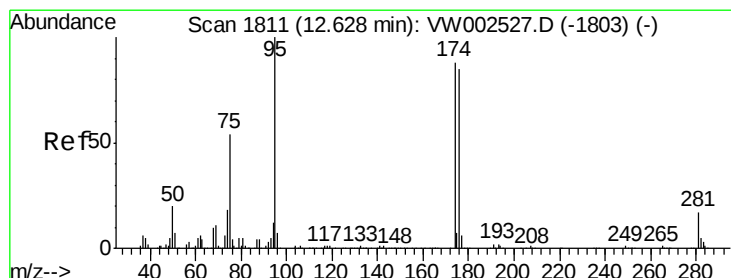
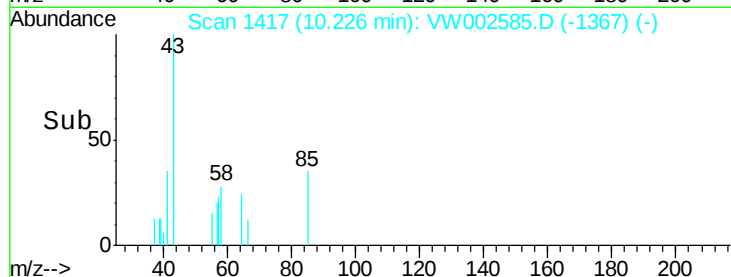
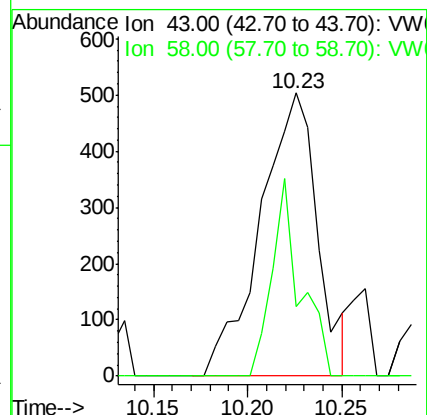
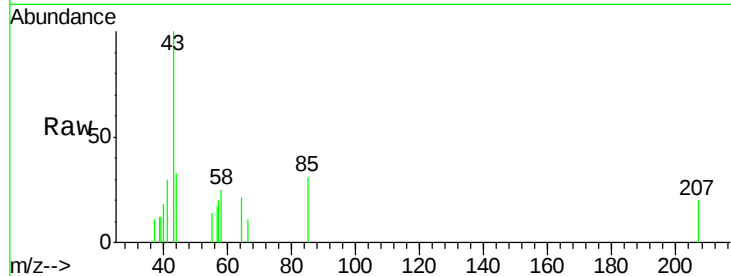
BP-6A

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 34.9 30.1 45.1



#62

4-Bromofluorobenzene

Concen: 24.24 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

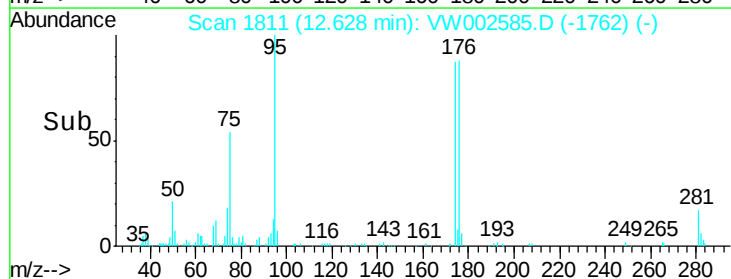
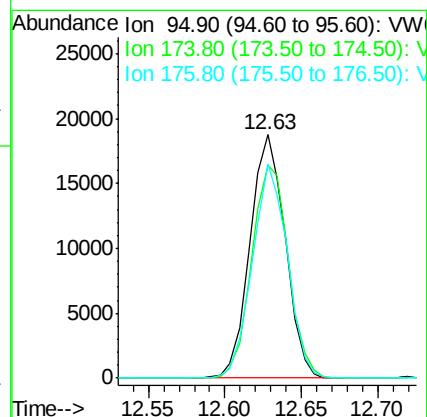
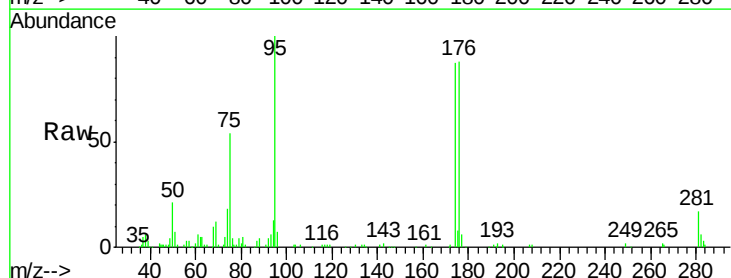
Tgt Ion: 95 Resp: 30066

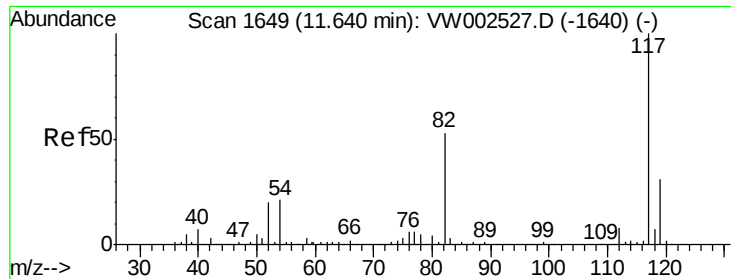
Ion Ratio Lower Upper

95 100

174 90.6 0.0 176.6

176 87.4 0.0 172.2

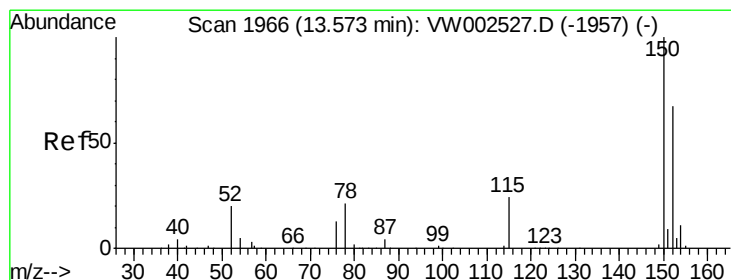
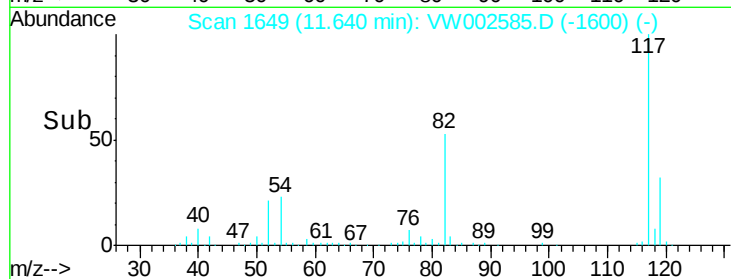
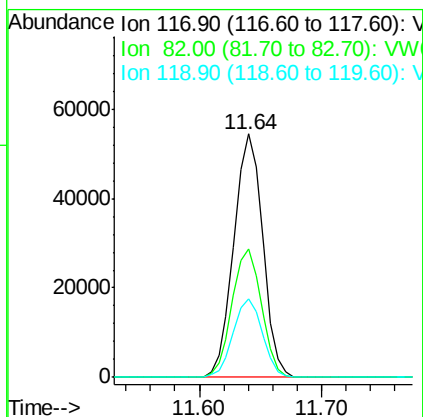
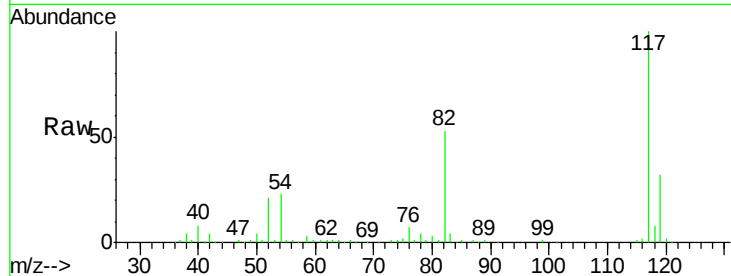




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002585.D
Acq: 16 May 2018 07:38

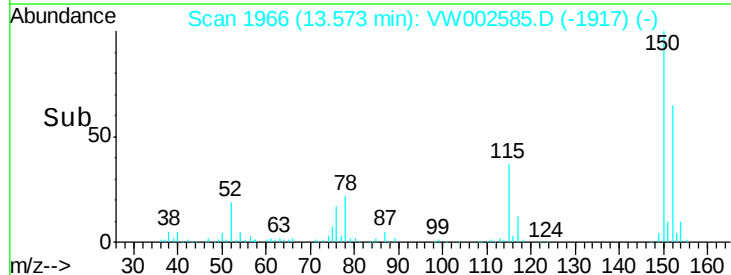
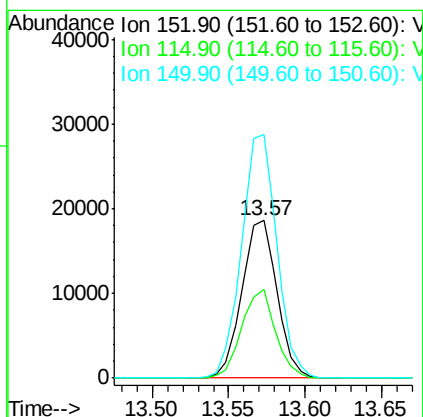
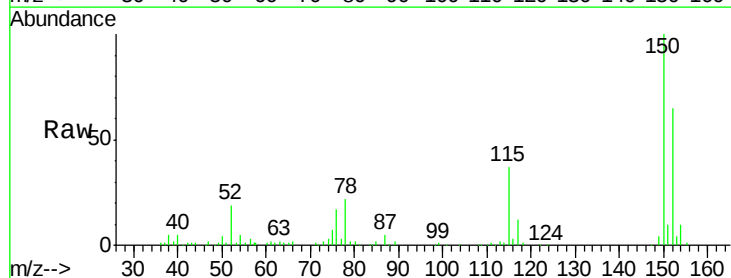
Instrument :
MSVOA_W
ClientSampled :
BP-6A

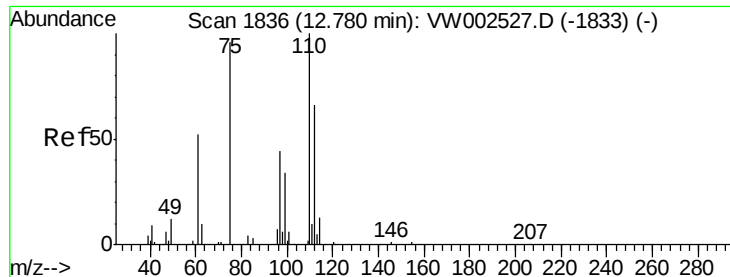
Tgt Ion:117 Resp: 89234
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 32.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002585.D
Acq: 16 May 2018 07:38

Tgt Ion:152 Resp: 29735
Ion Ratio Lower Upper
152 100
115 54.4 28.0 84.0
150 155.5 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 55.68 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Instrument :

MSVOA_W

ClientSampleId :

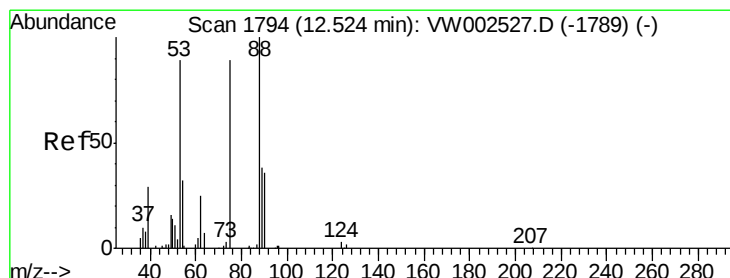
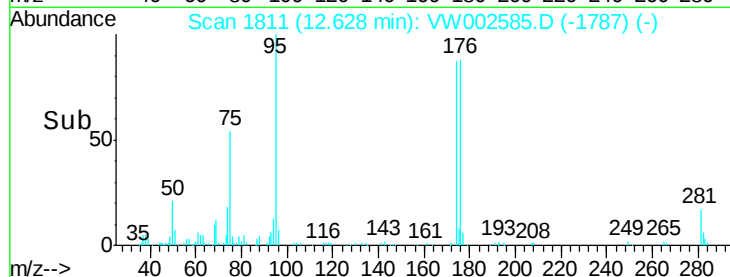
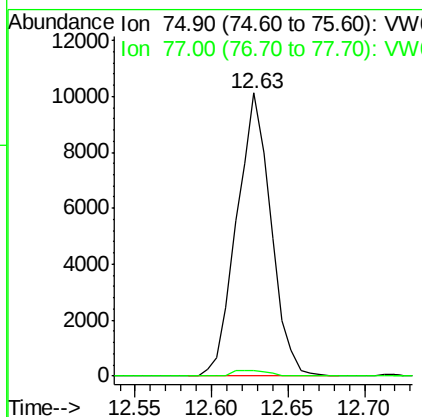
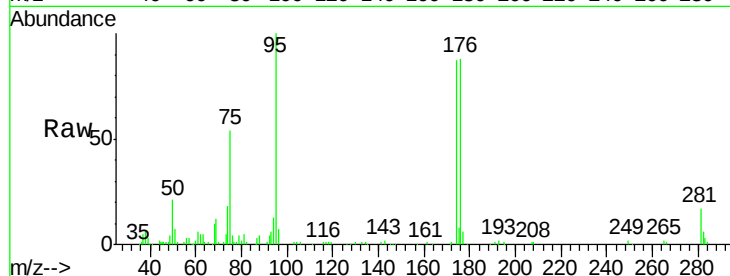
BP-6A

Tgt Ion: 75 Resp: 15650

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 151.81 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002585.D

Acq: 16 May 2018 07:38

Tgt Ion: 75 Resp: 15650

Ion Ratio Lower Upper

75 100

53 0.3 82.6 124.0#

89 0.0 39.2 58.8#

