

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002584.D
 Acq On : 16 May 2018 07:13
 Operator : JC/SY
 Sample : J2785-14
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-5B

Quant Time: May 16 08:10:51 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	117470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	178244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	135234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43185	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64167	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
35) Dibromofluoromethane	7.88	113	59184	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.33	98	152611	35.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.94%	
62) 4-Bromofluorobenzene	12.63	95	43739	27.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.60%	

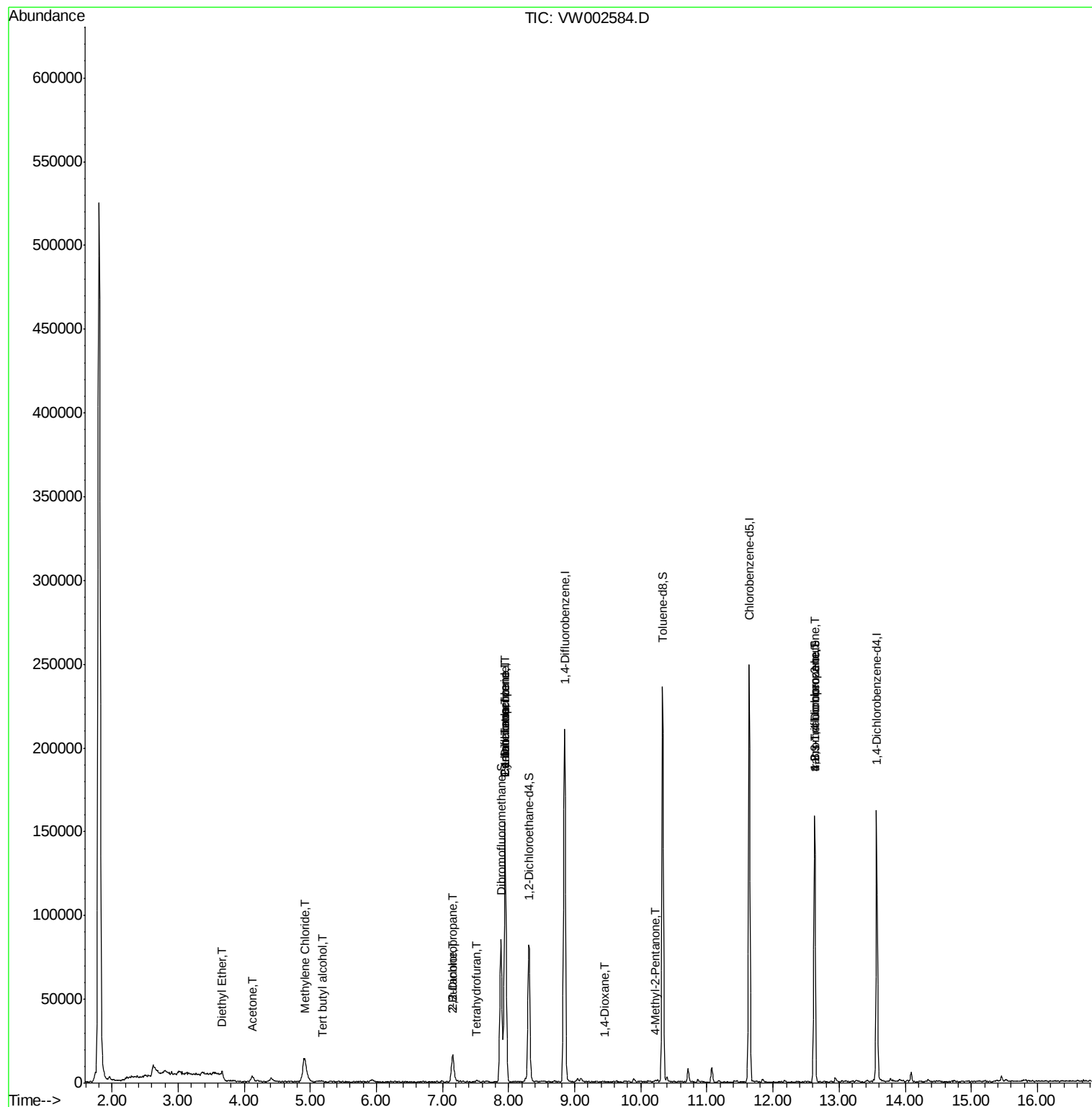
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1068	1.49	ug/l	76
11) Tert butyl alcohol	5.20	59	186	1.99	ug/l #	72
16) Acetone	4.12	43	5520	21.54	ug/l	91
20) Methylene Chloride	4.92	84	13229	10.82	ug/l	99
25) 2-Butanone	7.14	43	413	1.14	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	1131	1.04	ug/l #	51
29) Tetrahydrofuran	7.52	42	237	1.05	ug/l #	50
31) Cyclohexane	7.95	56	2771	1.61	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	8267	5.26	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10999	7.14	ug/l #	19
49) 1,4-Dioxane	9.45	88	20	1.83	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	928	1.13	ug/l	93
76) 1,2,3-Trichloropropane	12.63	75	23348	57.20	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	23348	155.94	ug/l #	8

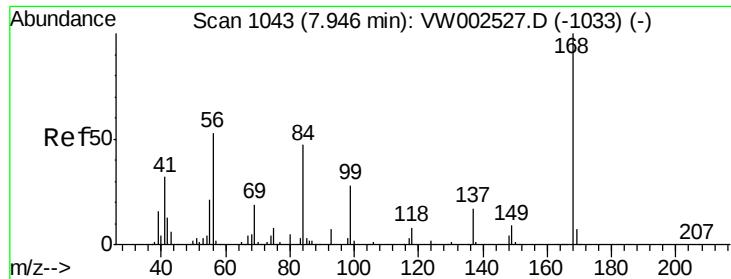
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

Instrument :

MSVOA_W

ClientSampled :

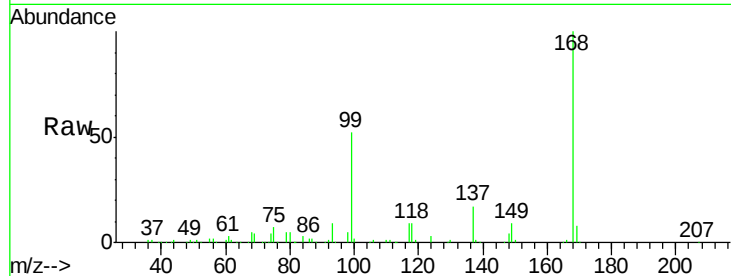
BP-5B

Tgt Ion:168 Resp: 117470

Ion Ratio Lower Upper

168 100

99 52.3 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

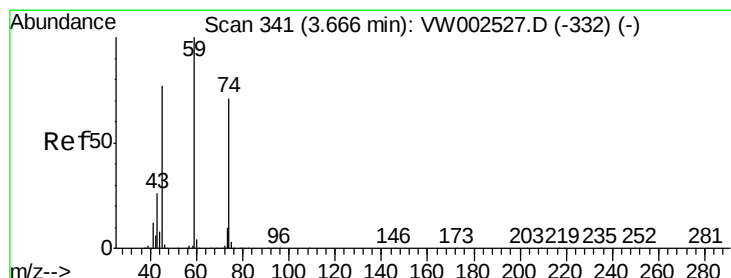
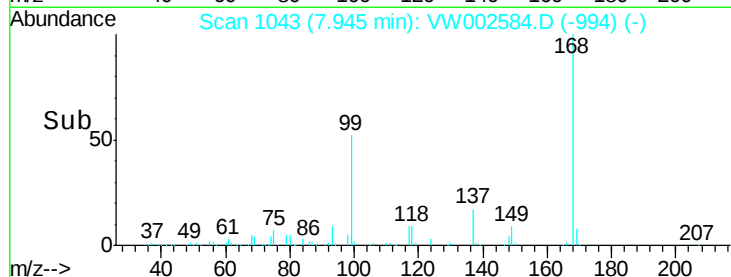
30000

20000

10000

0

Time-->



#8

Diethyl Ether

Concen: 1.49 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.01 min

Lab File: VW002584.D

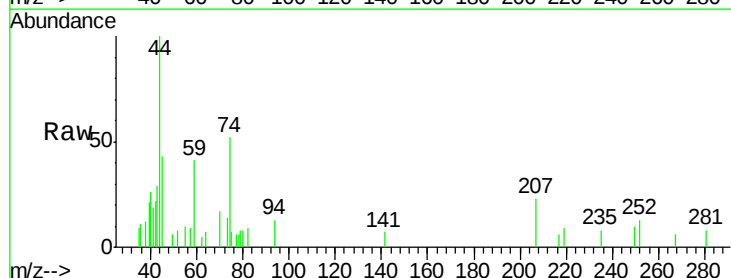
Acq: 16 May 2018 07:13

Tgt Ion: 74 Resp: 1068

Ion Ratio Lower Upper

74 100

45 129.1 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

800

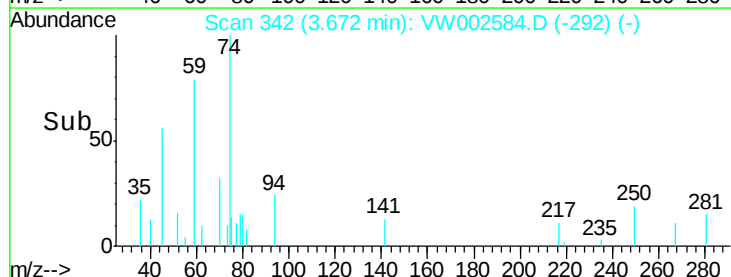
600

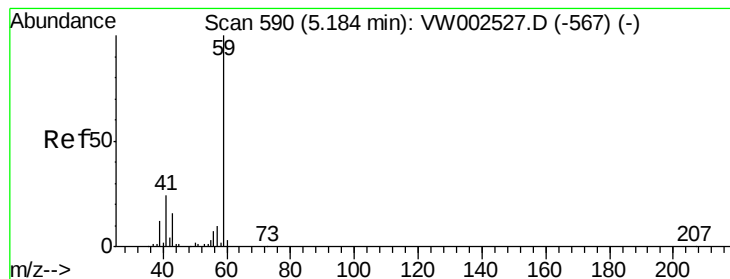
400

200

0

Time-->





#11

Tert butyl alcohol

Concen: 1.99 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

Instrument :

MSVOA_W

ClientSampled :

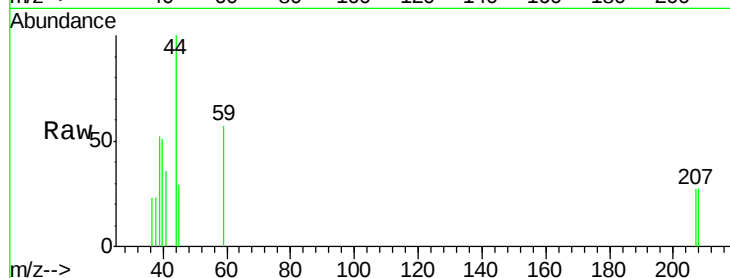
BP-5B

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

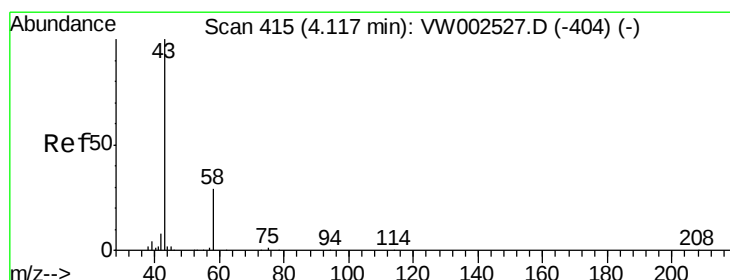
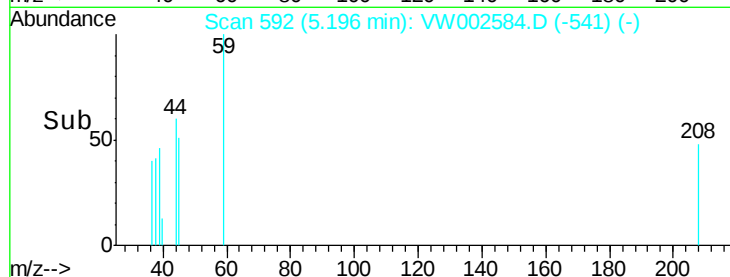
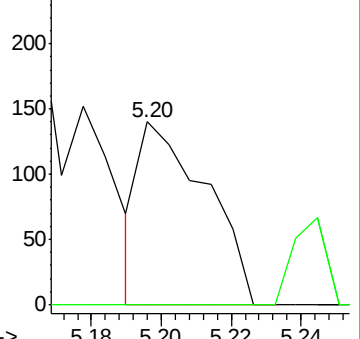
59 100

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



#16

Acetone

Concen: 21.54 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002584.D

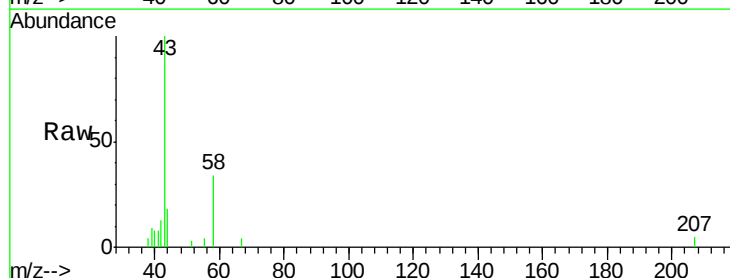
Acq: 16 May 2018 07:13

Tgt Ion: 43 Resp: 5520

Ion Ratio Lower Upper

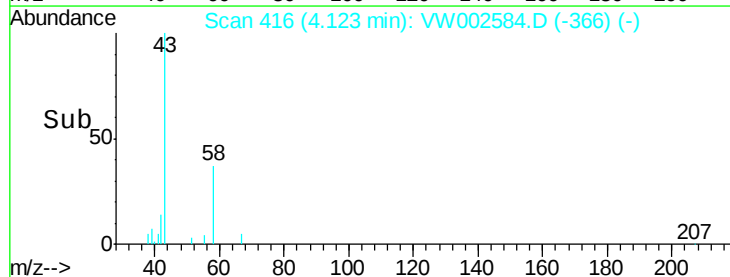
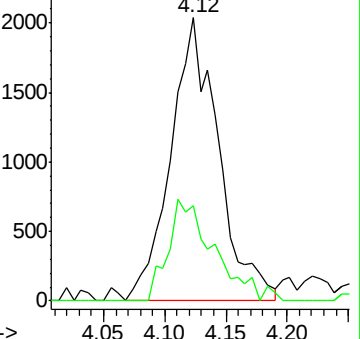
43 100

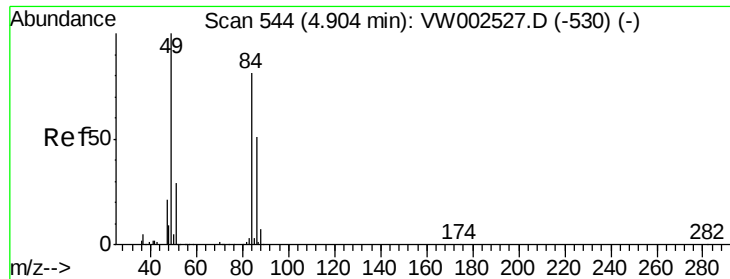
58 33.8 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

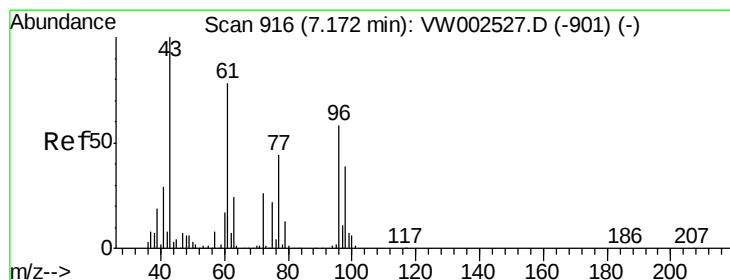
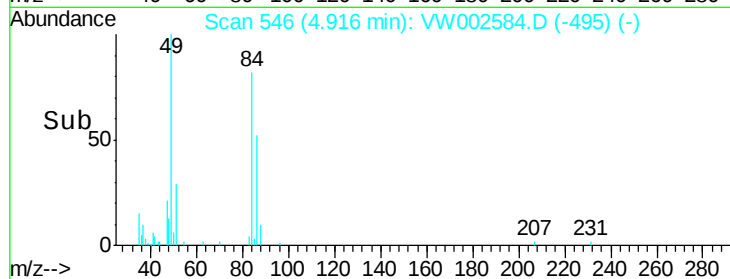
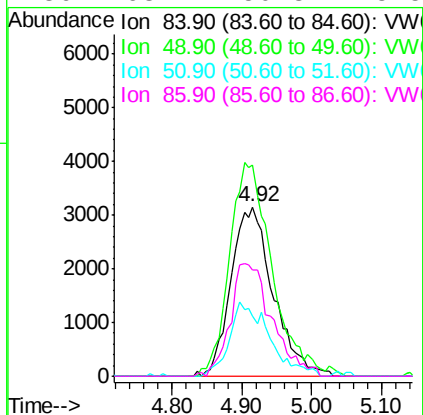
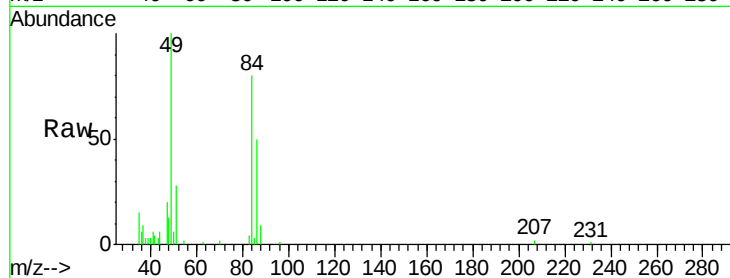




#20
Methylene Chloride
Concen: 10.82 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

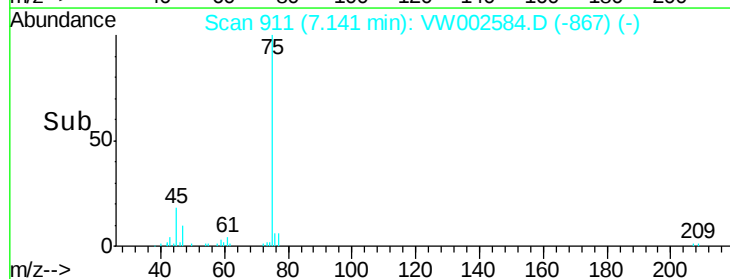
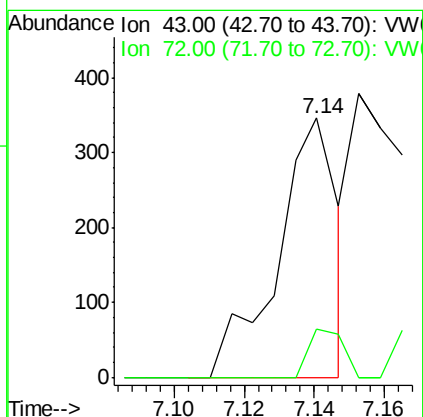
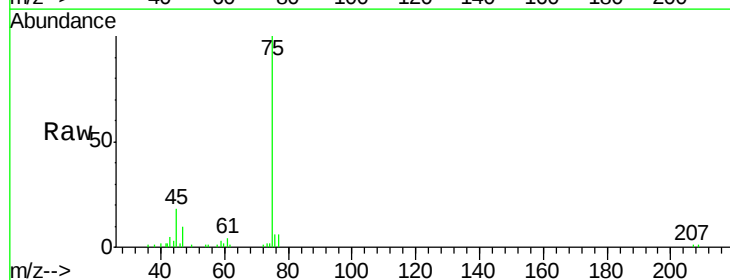
Instrument :
MSVOA_W
ClientSampled :
BP-5B

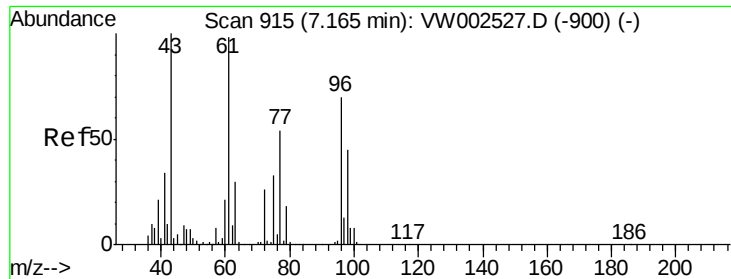
Tgt Ion:	84	Resp:	13229
Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.4	149.0
51	35.7	29.0	43.6
86	63.1	50.3	75.5



#25
2-Butanone
Concen: 1.14 ug/l
RT: 7.14 min Scan# 911
Delta R.T. -0.03 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

Tgt Ion:	43	Resp:	413
Ion	Ratio	Lower	Upper
43	100		
72	18.5	20.9	31.3#

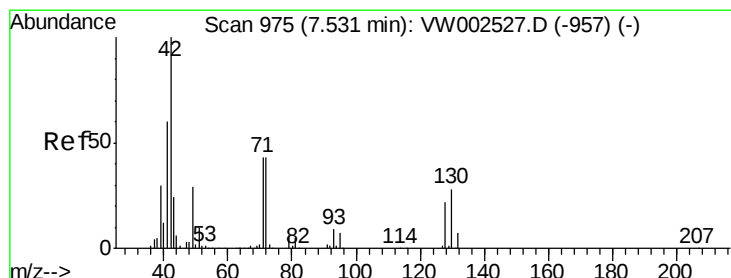
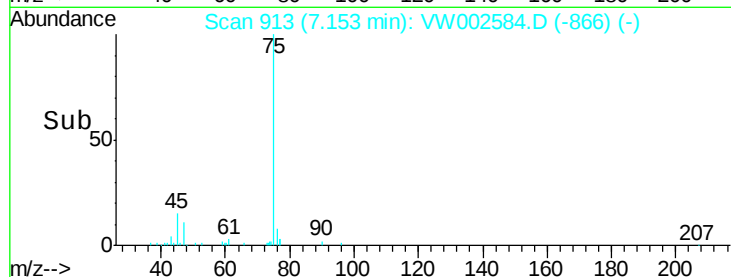
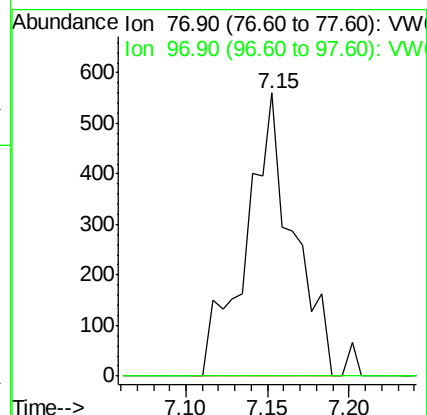
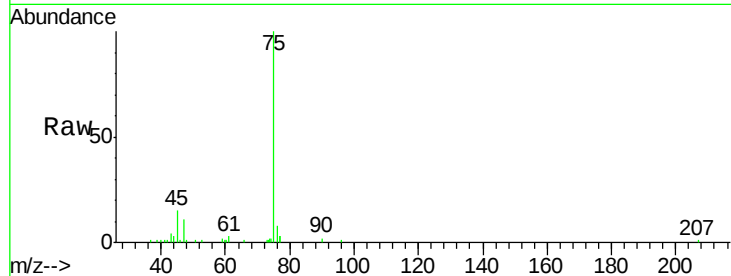




#26
 2,2-Dichloropropane
 Concen: 1.04 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

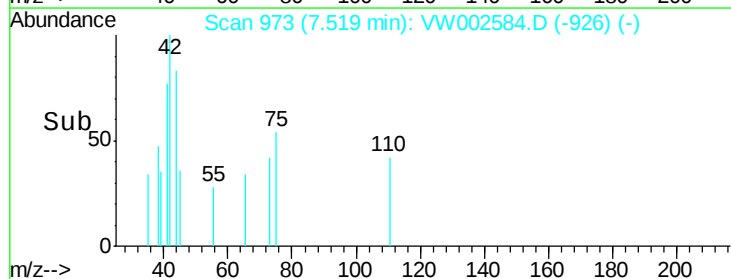
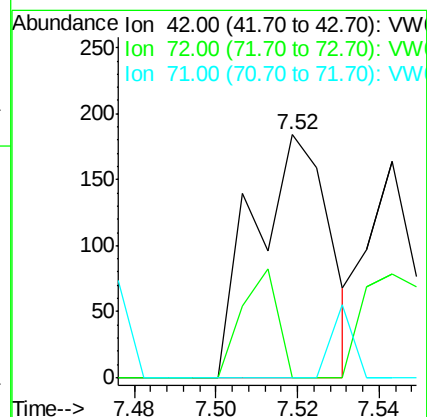
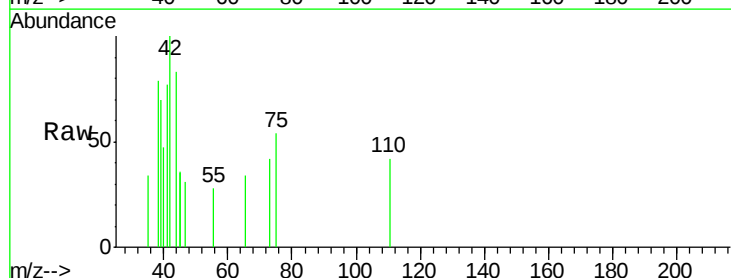
Instrument :
 MSVOA_W
 ClientSampled :
 BP-5B

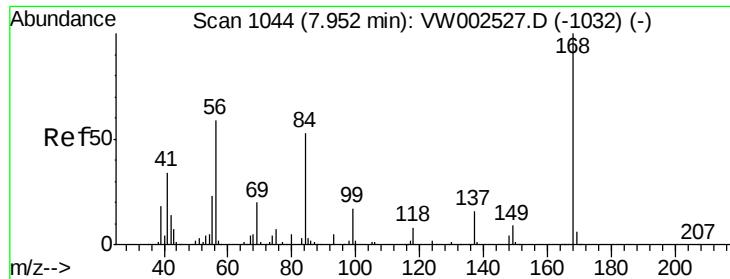
Tgt Ion: 77 Resp: 1131
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.1 36.3#



#29
 Tetrahydrofuran
 Concen: 1.05 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

Tgt Ion: 42 Resp: 237
 Ion Ratio Lower Upper
 42 100
 72 21.1 35.0 52.4#
 71 0.0 33.0 49.6#

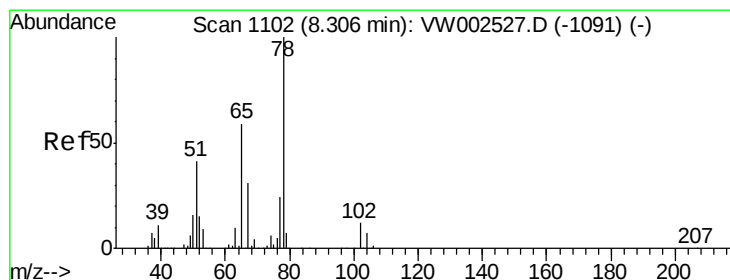
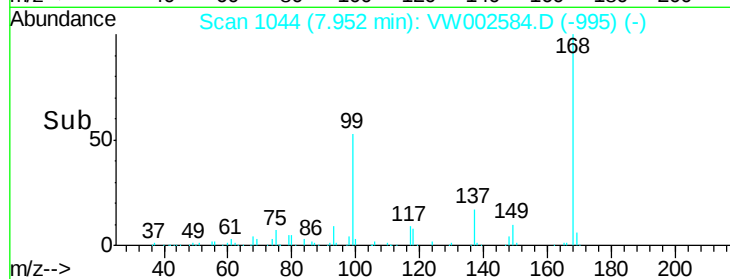
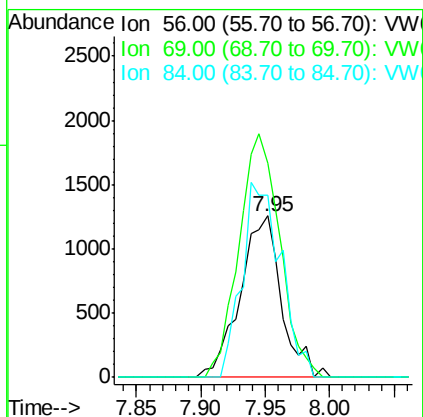
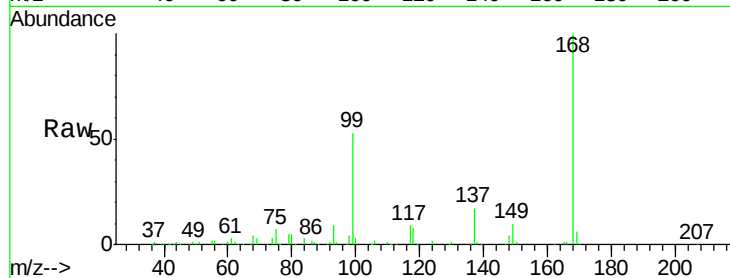




#31
Cyclohexane
Concen: 1.61 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

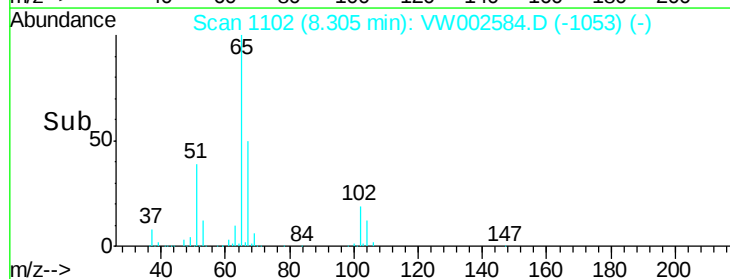
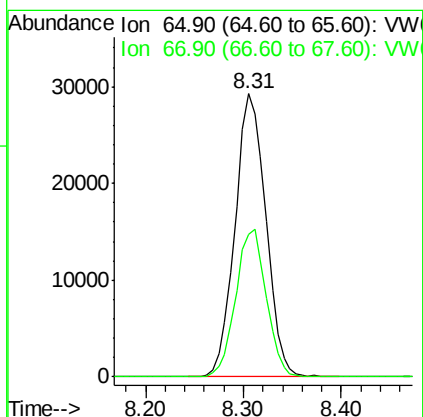
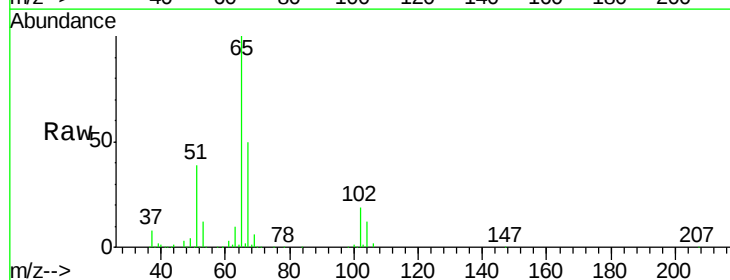
Instrument :
MSVOA_W
ClientSampled :
BP-5B

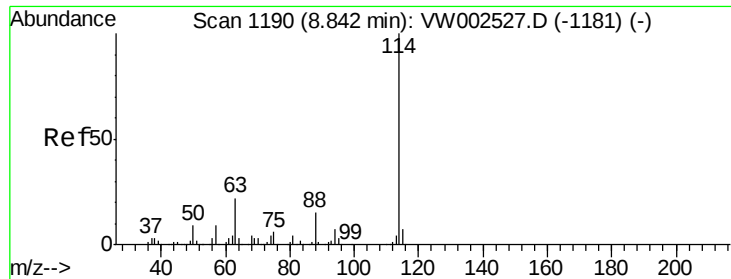
Tgt Ion: 56 Resp: 2771
Ion Ratio Lower Upper
56 100
69 133.0 27.0 40.4#
84 113.2 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 52.86 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

Tgt Ion: 65 Resp: 64167
Ion Ratio Lower Upper
65 100
67 51.7 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: VW002584.D

Acq: 16 May 2018 07:13

Instrument :

MSVOA_W

ClientSampleId :

BP-5B

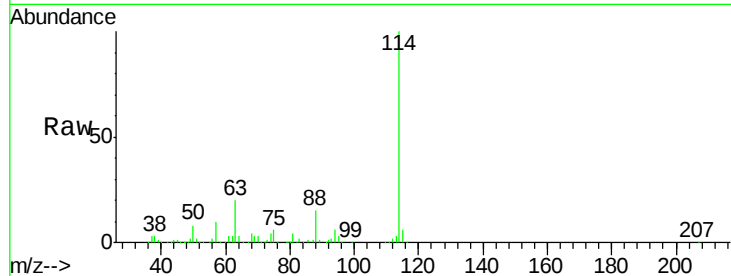
Tgt Ion:114 Resp: 178244

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

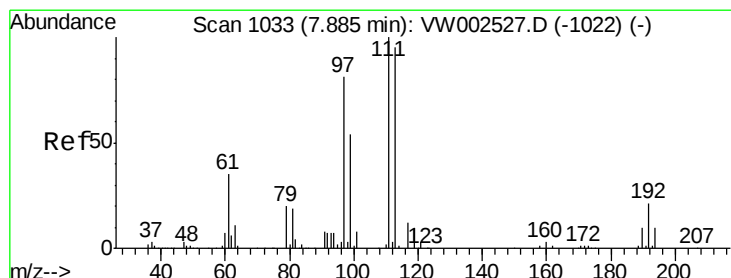
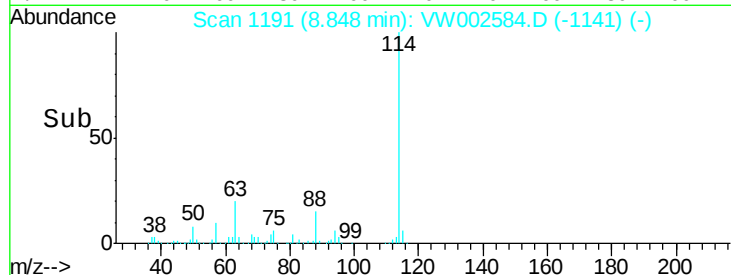
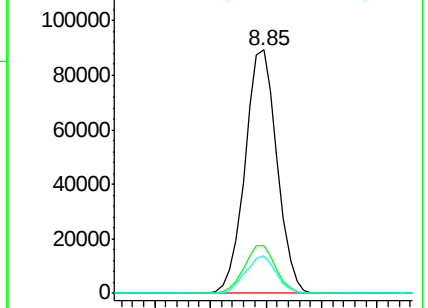
88 15.3 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 52.34 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

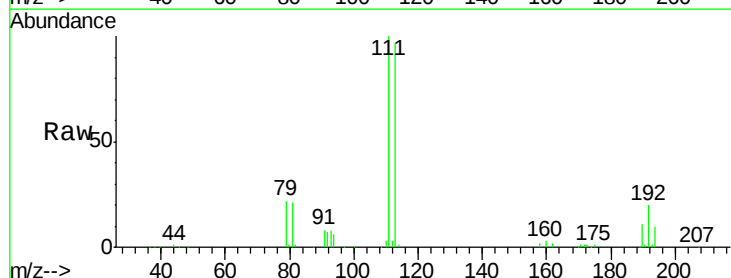
Tgt Ion:113 Resp: 59184

Ion Ratio Lower Upper

113 100

111 100.3 81.8 122.8

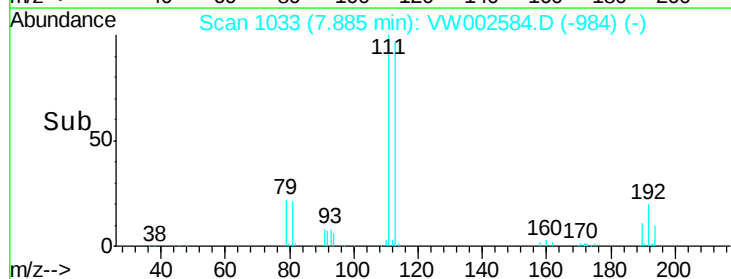
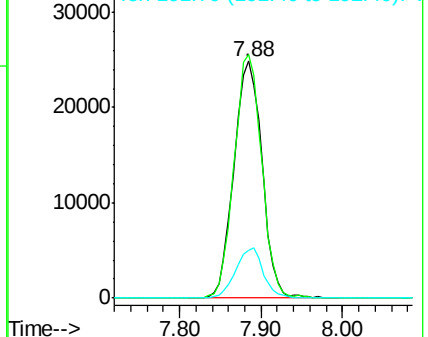
192 20.6 17.5 26.3

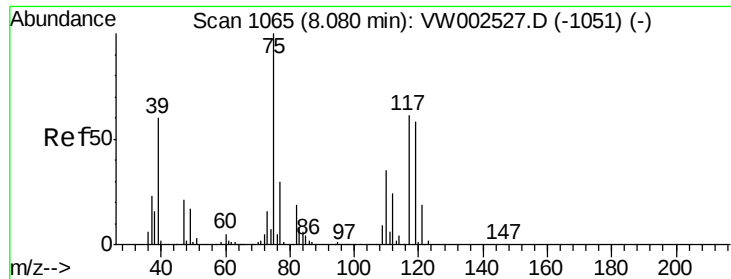


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

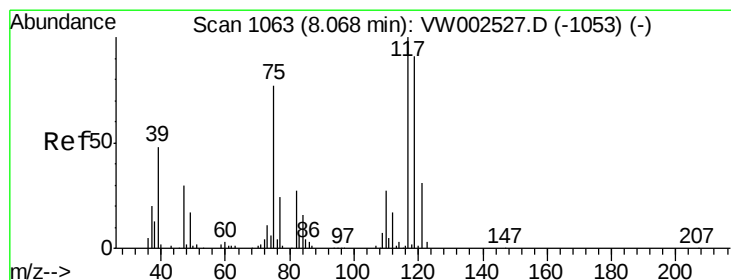
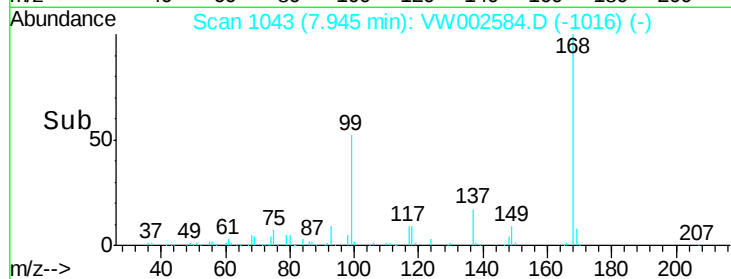
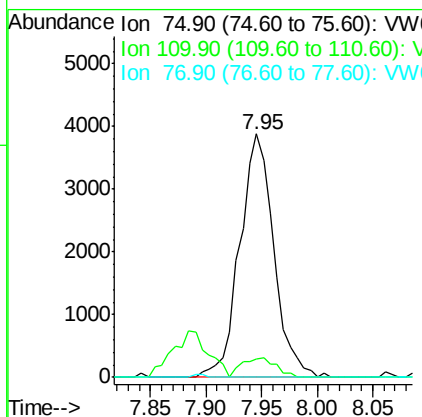
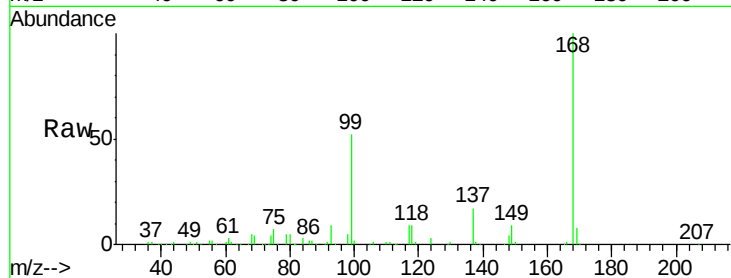




#36
 1,1-Dichloropropene
 Concen: 5.26 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

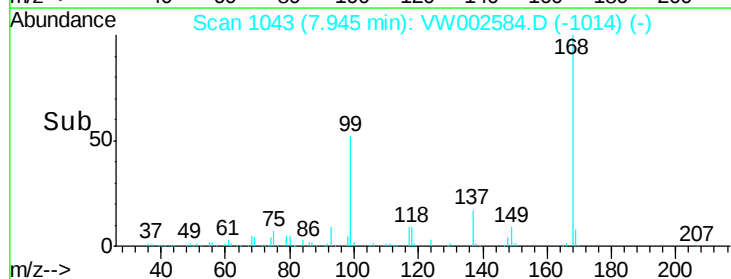
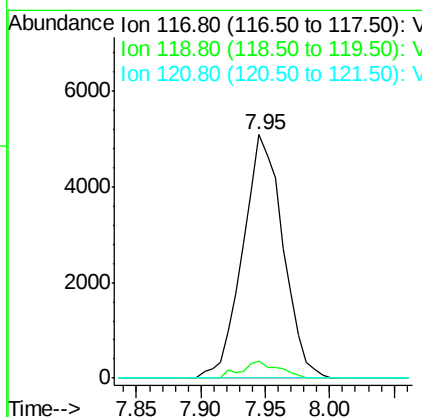
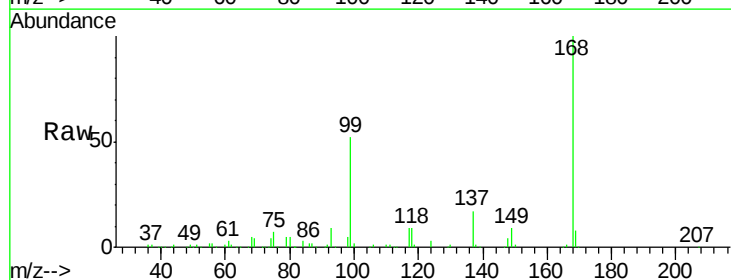
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-5B

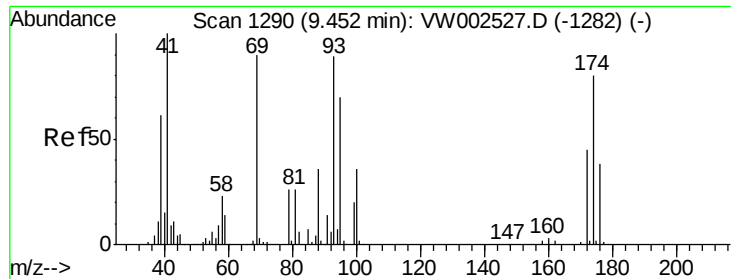
Tgt Ion: 75 Resp: 8267
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.8 53.5#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.14 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

Tgt Ion: 117 Resp: 10999
 Ion Ratio Lower Upper
 117 100
 119 7.0 73.1 109.7#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 1.83 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

Instrument :

MSVOA_W

ClientSampled :

BP-5B

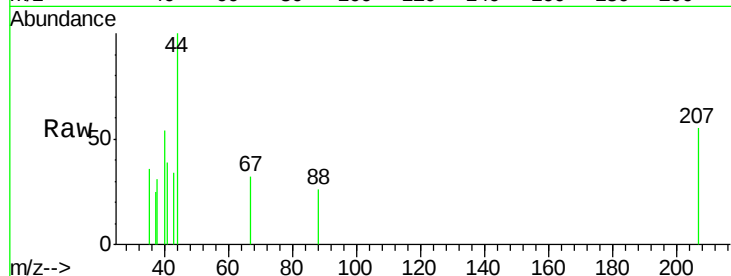
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 285.0 27.0 40.4#

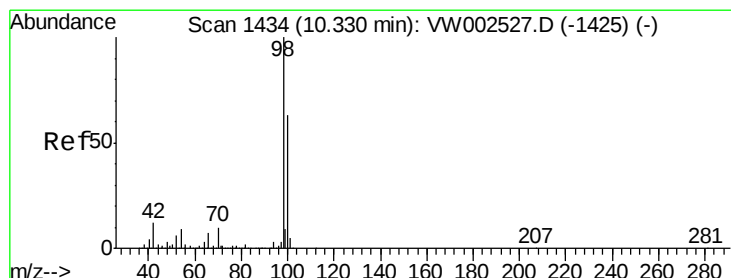
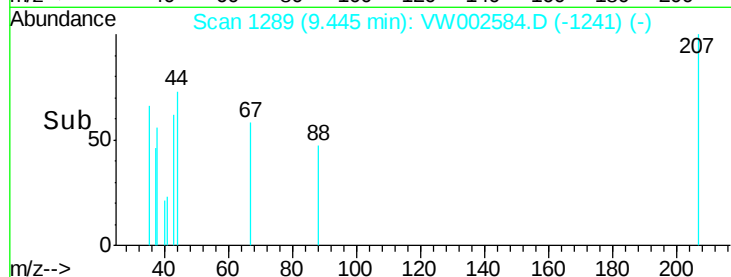
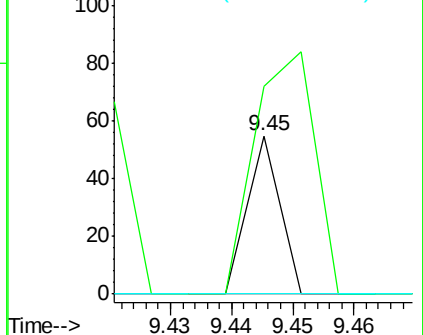
58 0.0 56.9 85.3#



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: 35.47 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002584.D

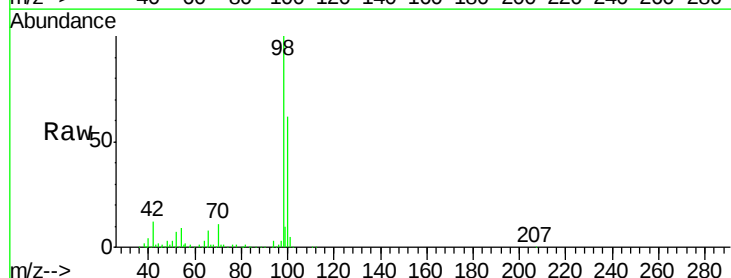
Acq: 16 May 2018 07:13

Tgt Ion: 98 Resp: 152611

Ion Ratio Lower Upper

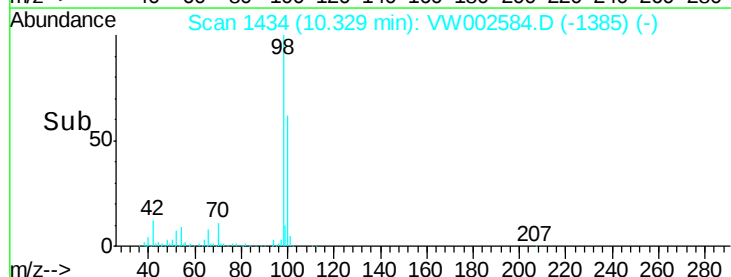
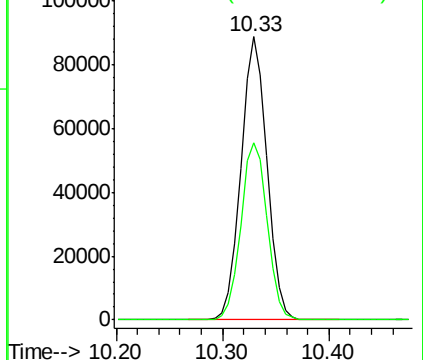
98 100

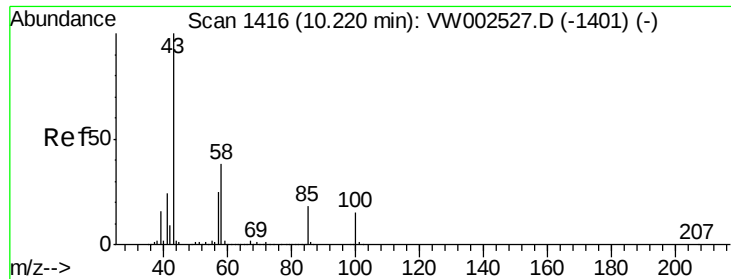
100 63.3 51.0 76.4



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: 1.13 ug/l

RT: 10.23 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

Instrument :

MSVOA_W

ClientSampled :

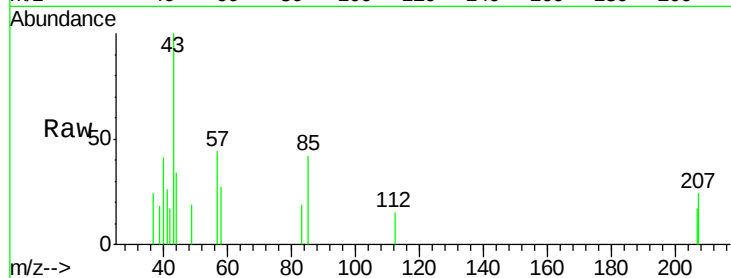
BP-5B

Tgt Ion: 43 Resp: 928

Ion Ratio Lower Upper

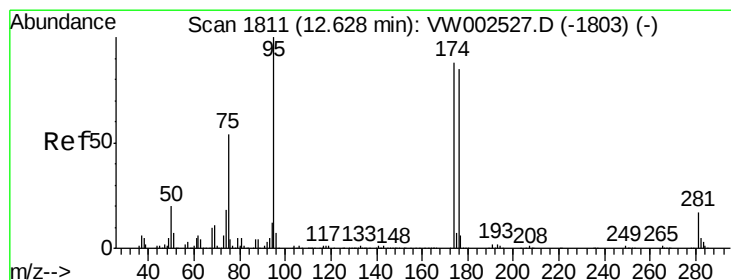
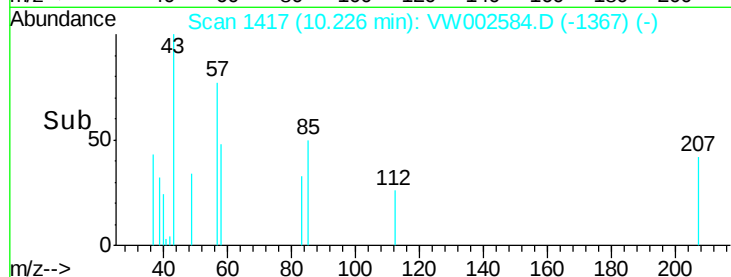
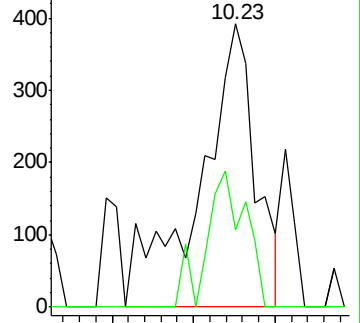
43 100

58 33.5 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 27.80 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002584.D

Acq: 16 May 2018 07:13

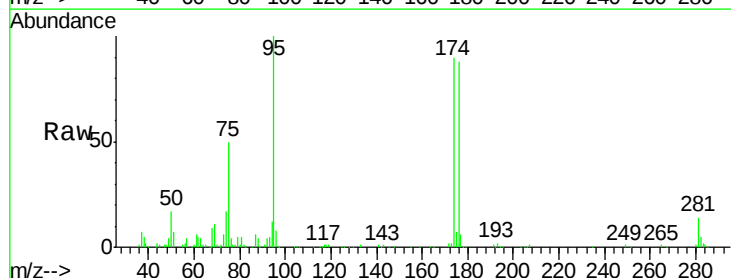
Tgt Ion: 95 Resp: 43739

Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.6

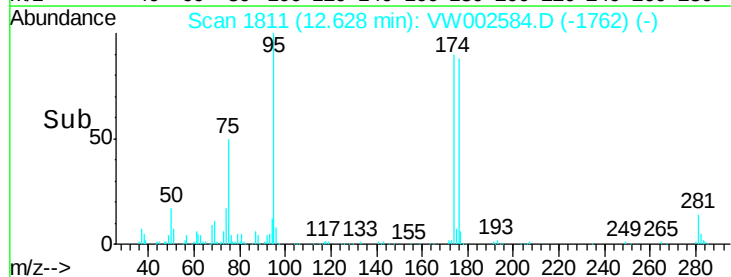
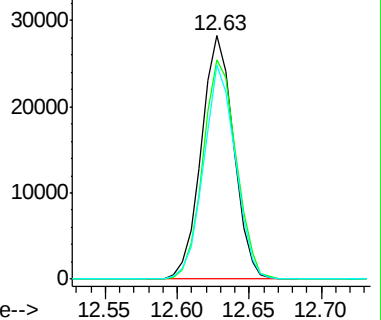
176 86.5 0.0 172.2

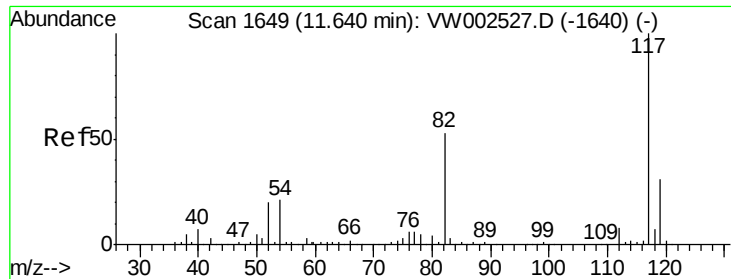


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

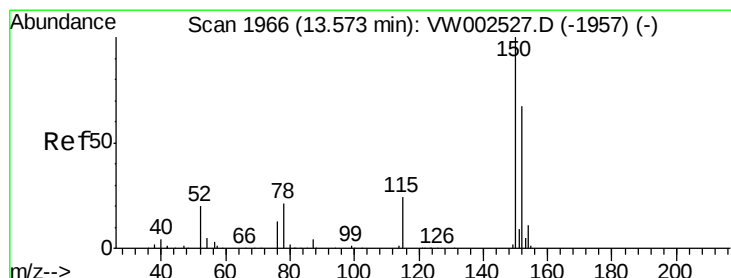
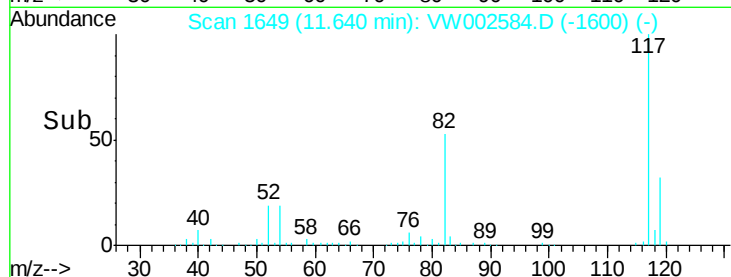
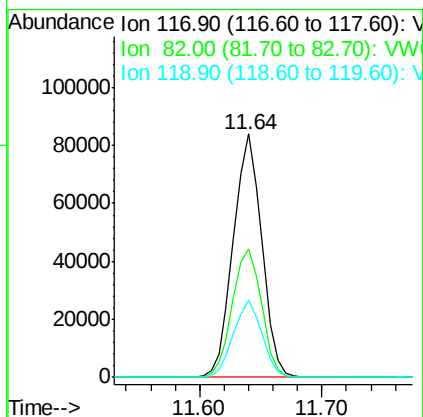
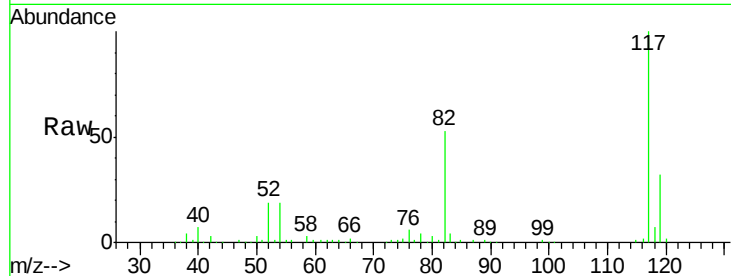




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

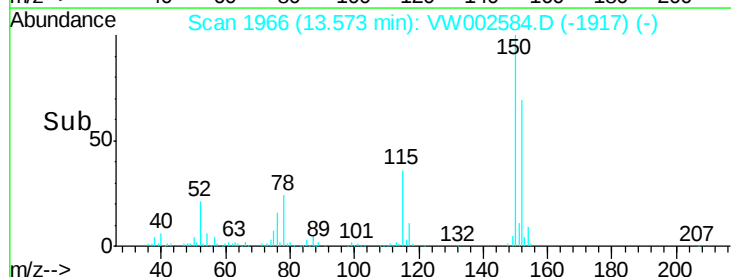
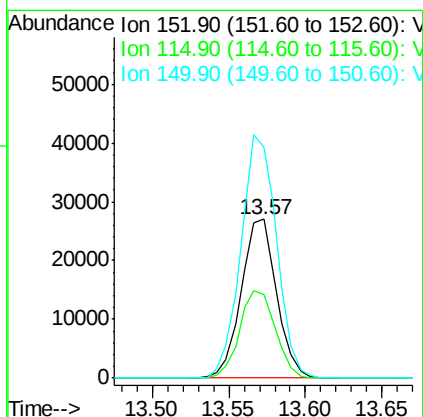
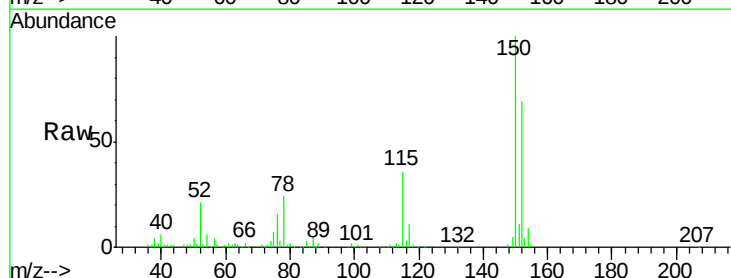
Instrument :
MSVOA_W
ClientSampled :
BP-5B

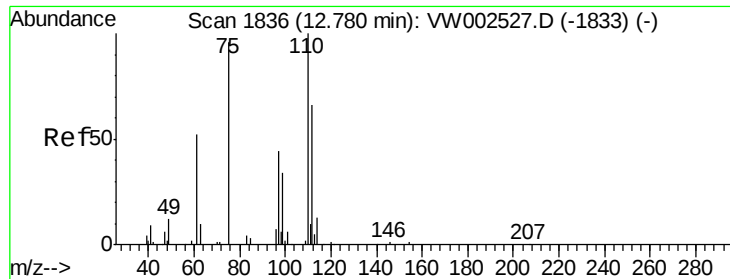
Tgt Ion:117 Resp: 135234
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 31.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002584.D
Acq: 16 May 2018 07:13

Tgt Ion:152 Resp: 43185
Ion Ratio Lower Upper
152 100
115 56.1 28.0 84.0
150 155.0 0.0 345.4

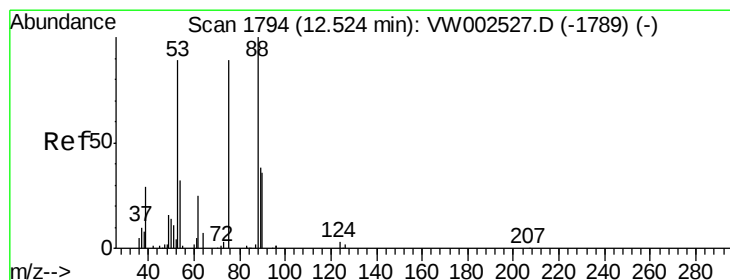
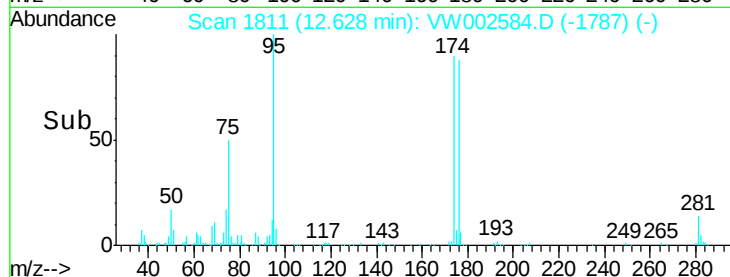
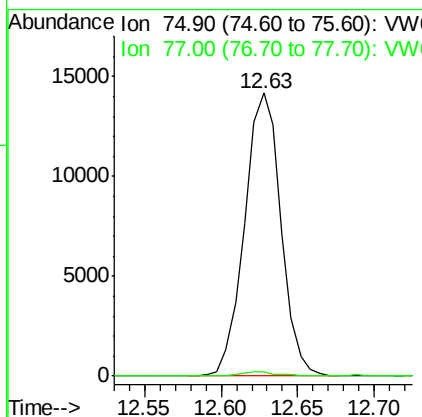
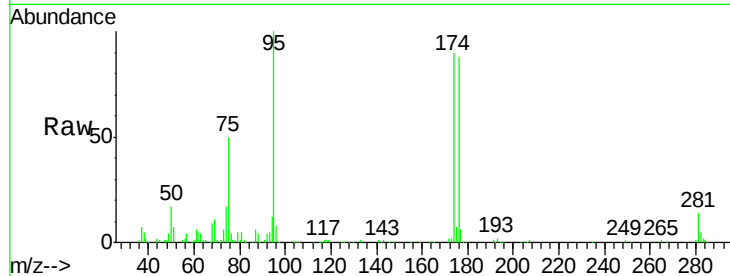




#76
 1,2,3-Trichloropropane
 Concen: 57.20 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-5B

Tgt Ion: 75 Resp: 23348
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.94 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002584.D
 Acq: 16 May 2018 07:13

Tgt Ion: 75 Resp: 23348
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.4 39.2 58.8#

