

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002582.D
 Acq On : 16 May 2018 06:23
 Operator : JC/SY
 Sample : J2785-11
 Misc : 5.24G/10ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-4B

Quant Time: May 16 08:09:35 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	126084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	193740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	151923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	63581	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.88	113	57851	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.33	98	174422	37.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.60%	
62) 4-Bromofluorobenzene	12.63	95	47346	27.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.38%	

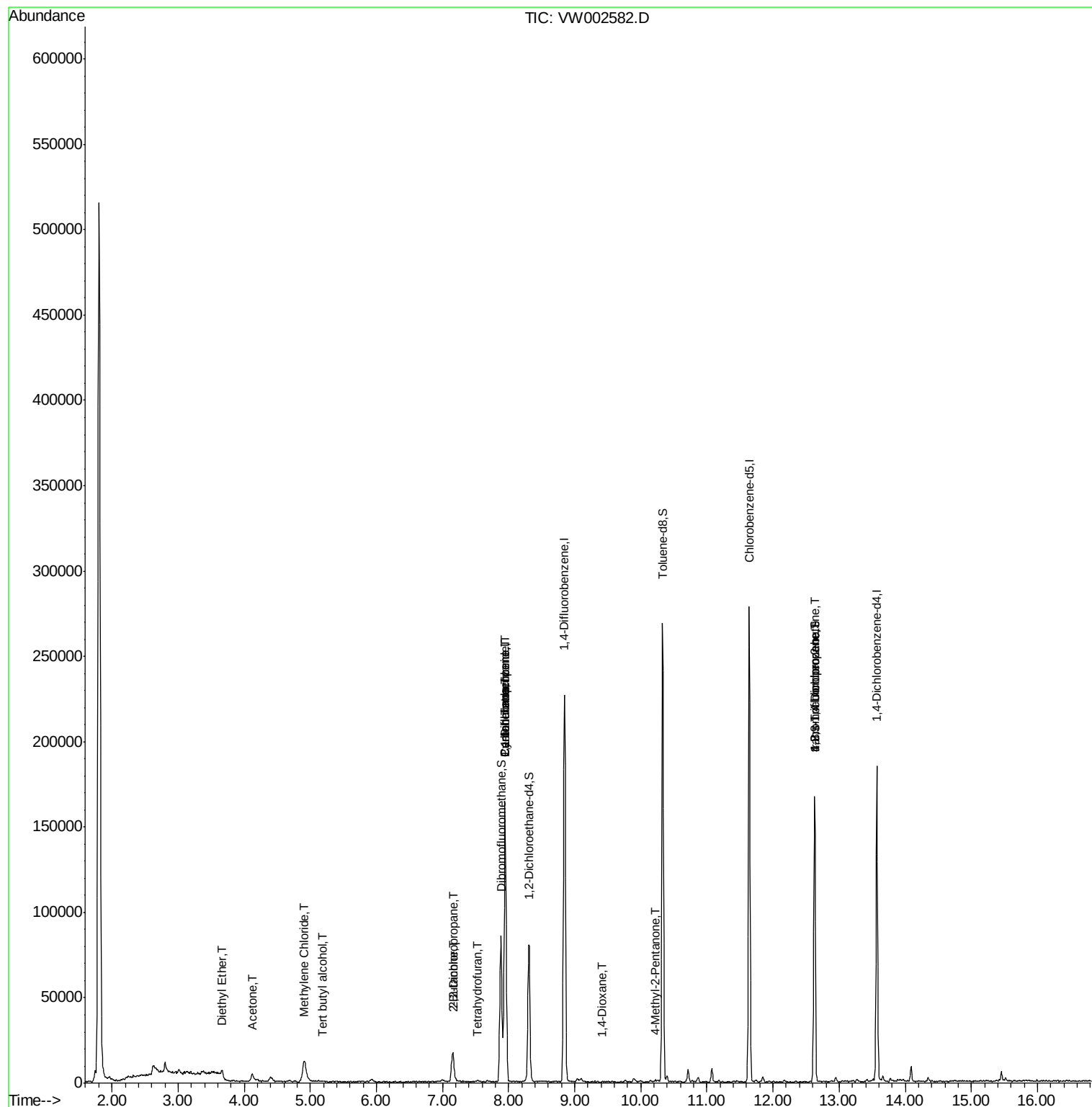
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1029	1.34	ug/l #	39
11) Tert butyl alcohol	5.18	59	159	1.59	ug/l #	53
16) Acetone	4.12	43	7691	27.96	ug/l	99
20) Methylene Chloride	4.92	84	11307	8.02	ug/l #	91
25) 2-Butanone	7.17	43	1765	4.54	ug/l	96
26) 2,2-Dichloropropane	7.17	77	1281	1.09	ug/l #	51
29) Tetrahydrofuran	7.52	42	323	1.33	ug/l #	62
31) Cyclohexane	7.95	56	2788	1.51	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	9171	5.36	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11732	7.01	ug/l #	18
49) 1,4-Dioxane	9.41	88	29	2.44	ug/l #	22
51) 4-Methyl-2-Pentanone	10.22	43	956	1.07	ug/l #	80
76) 1,2,3-Trichloropropane	12.63	75	24175	52.04	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	24175	141.88	ug/l #	8

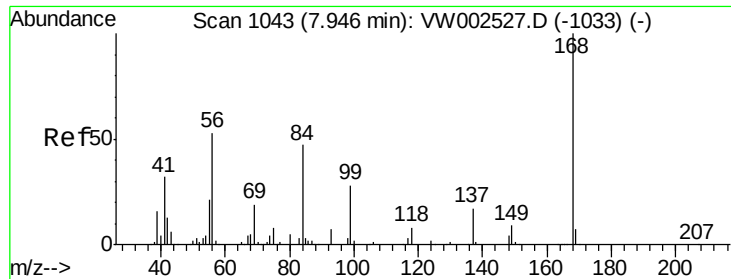
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002582.D

Acq: 16 May 2018 06:23

Instrument :

MSVOA_W

ClientSampleId :

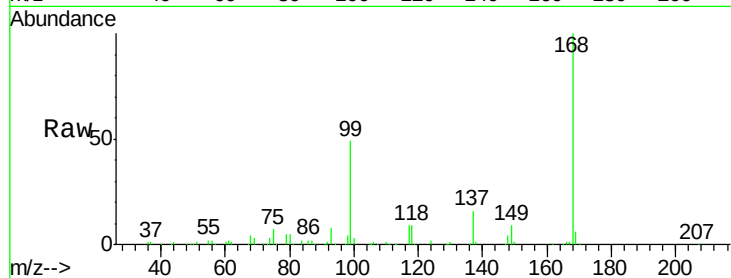
BP-4B

Tgt Ion:168 Resp: 126084

Ion Ratio Lower Upper

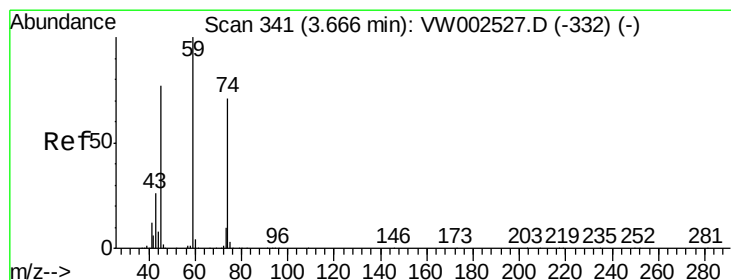
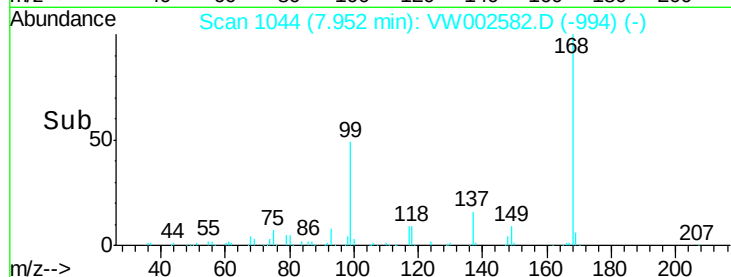
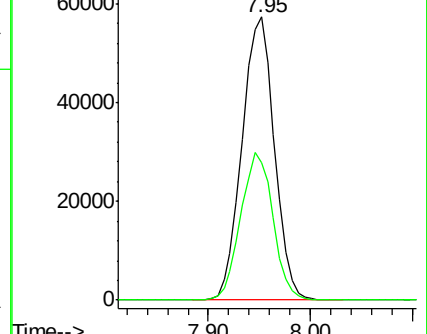
168 100

99 48.7 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: 1.34 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.00 min

Lab File: VW002582.D

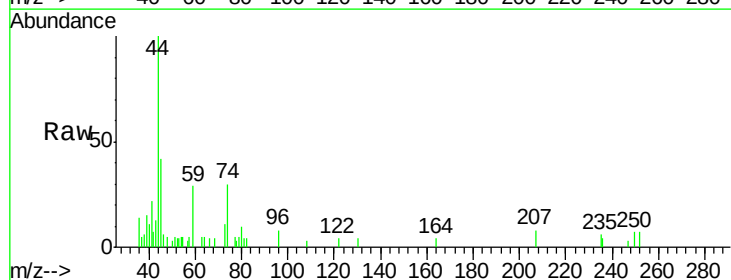
Acq: 16 May 2018 06:23

Tgt Ion: 74 Resp: 1029

Ion Ratio Lower Upper

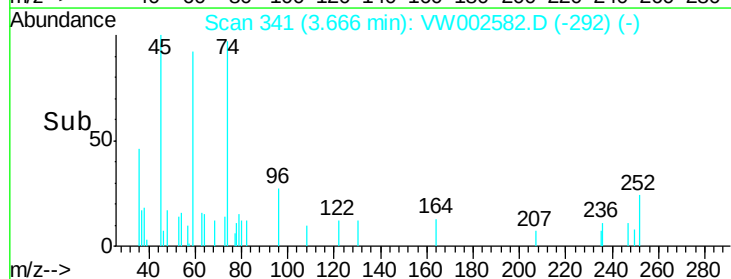
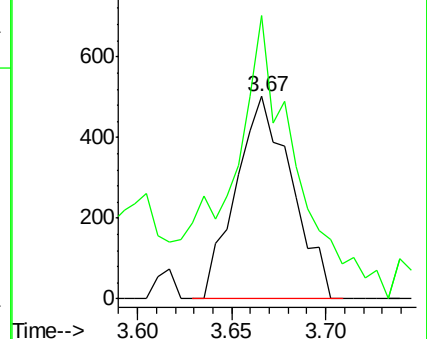
74 100

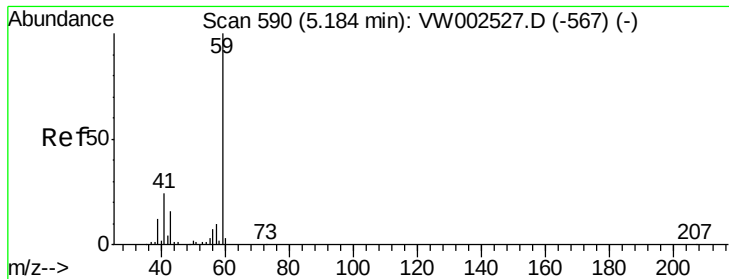
45 166.6 52.3 156.8#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

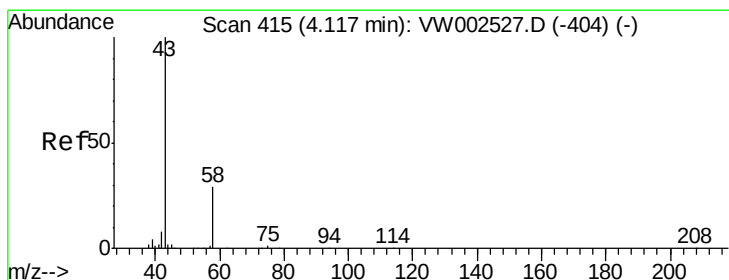
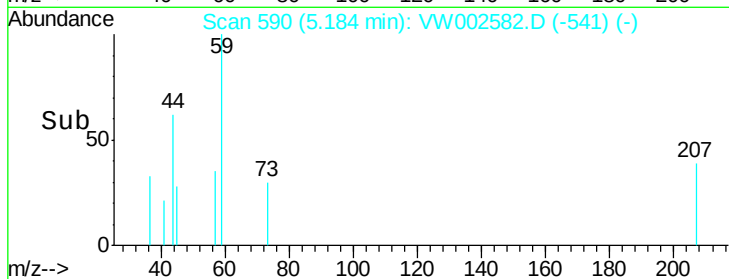
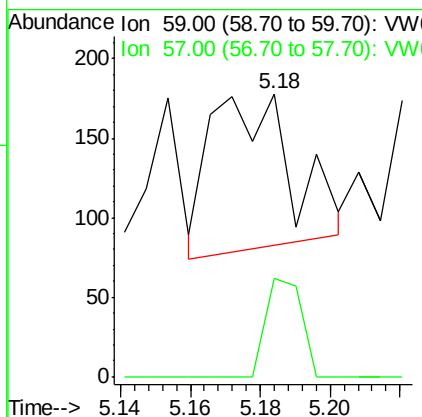
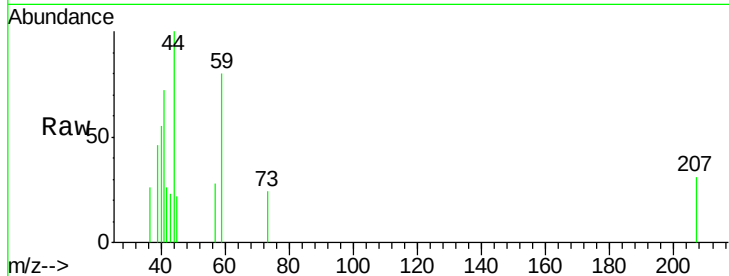




#11
Tert butyl alcohol
Concen: 1.59 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.00 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

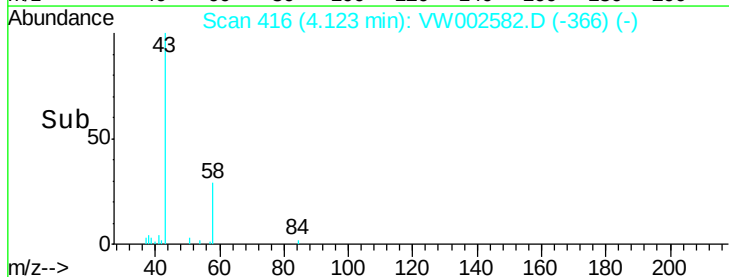
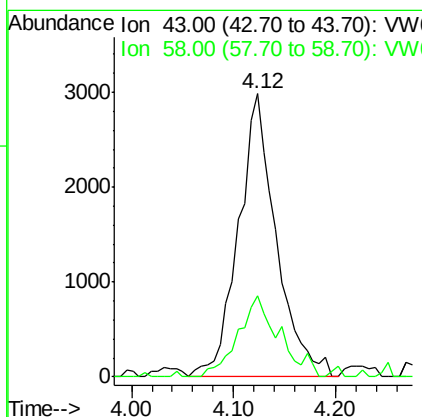
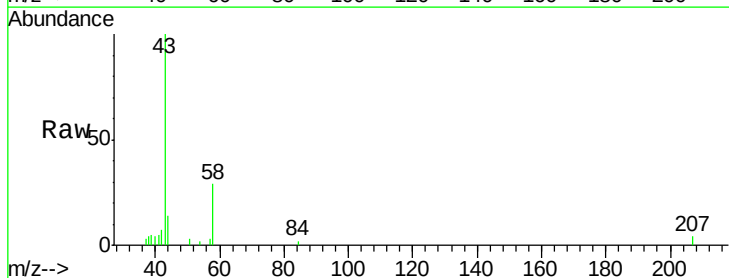
Instrument :
MSVOA_W
ClientSampled :
BP-4B

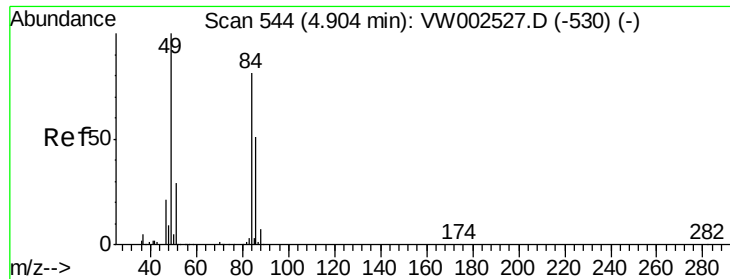
Tgt Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 27.7 8.2 12.4#



#16
Acetone
Concen: 27.96 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.01 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

Tgt Ion: 43 Resp: 7691
Ion Ratio Lower Upper
43 100
58 28.7 23.4 35.0

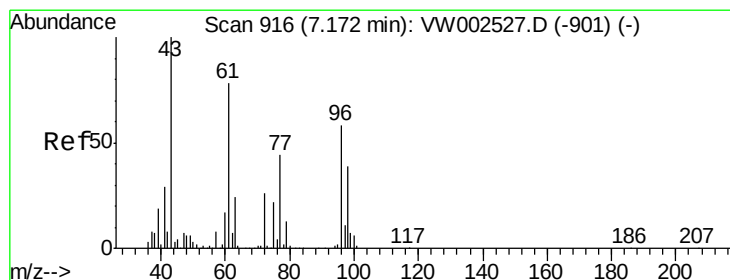
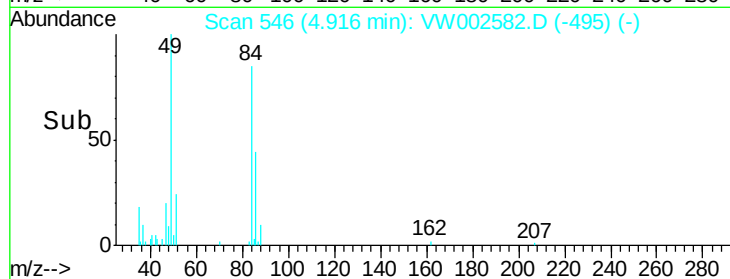
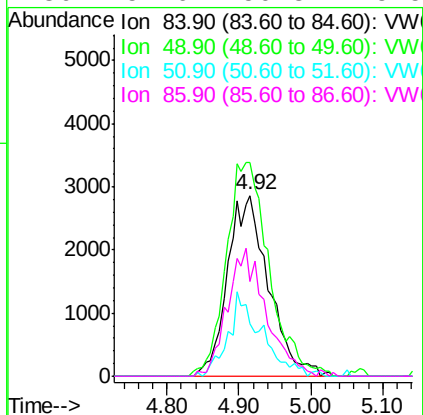
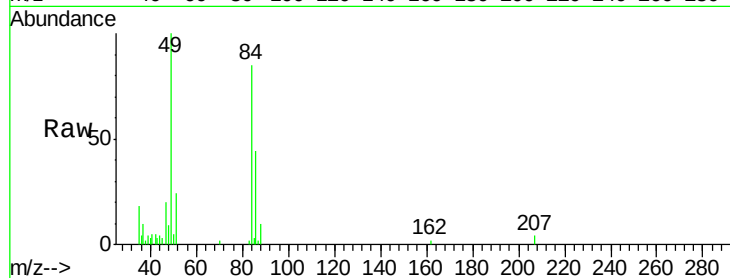




#20
Methylene Chloride
Concen: 8.02 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

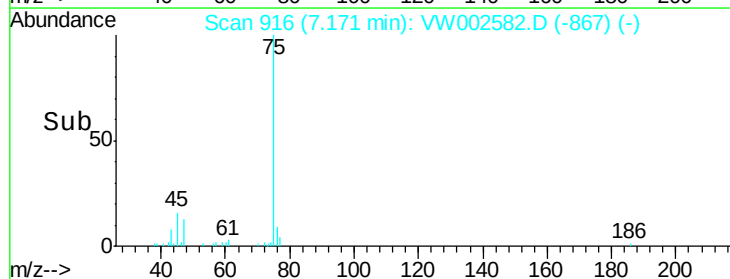
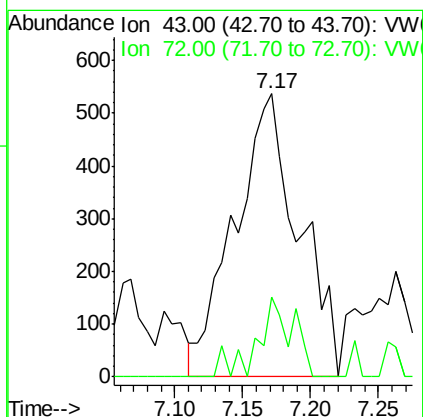
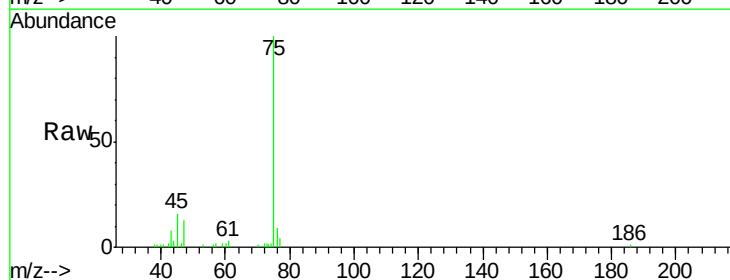
Instrument :
MSVOA_W
ClientSampleId :
BP-4B

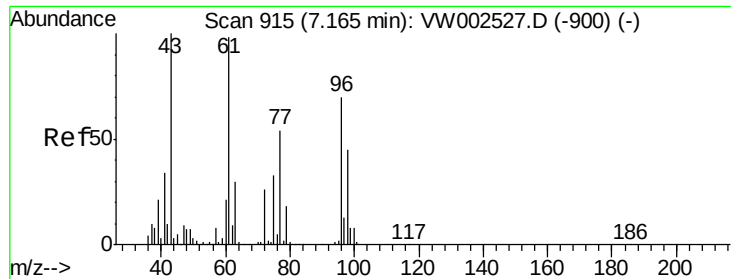
Tgt Ion: 84 Resp: 11307
Ion Ratio Lower Upper
84 100
49 118.3 99.4 149.0
51 28.9 29.0 43.6#
86 52.6 50.3 75.5



#25
2-Butanone
Concen: 4.54 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
72 28.3 20.9 31.3

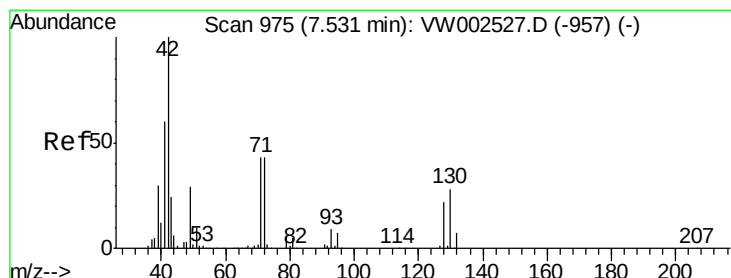
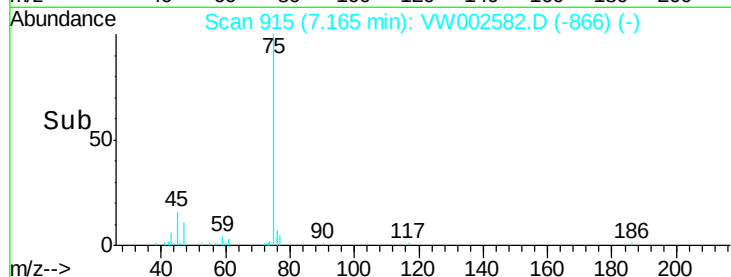
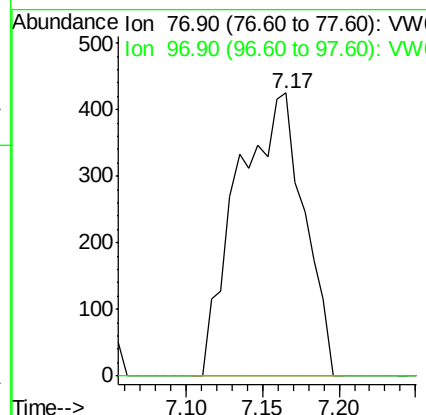
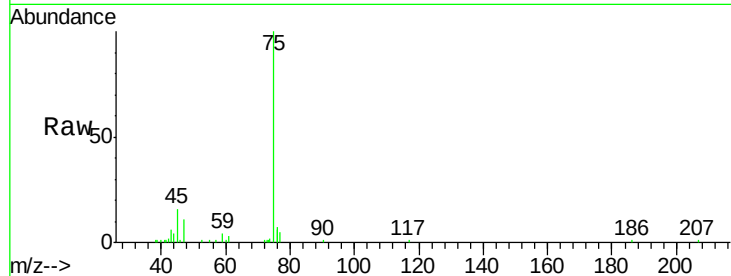




#26
 2,2-Dichloropropane
 Concen: 1.09 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

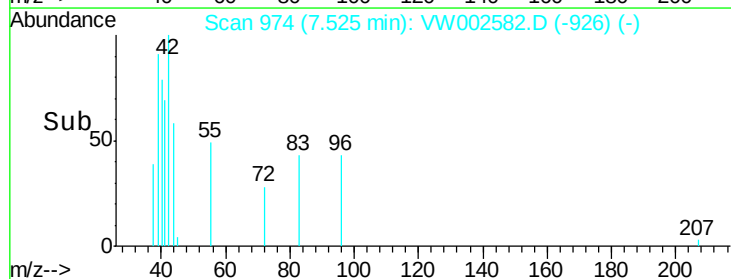
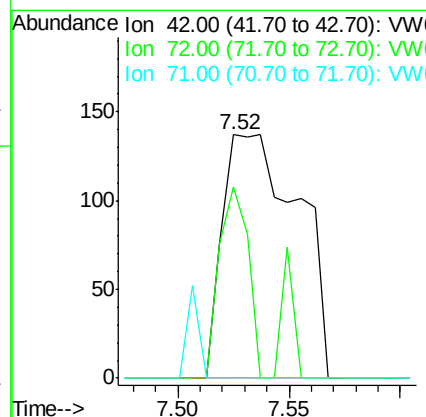
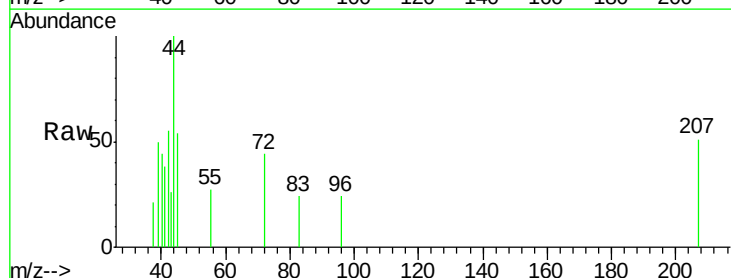
Instrument :
 MSVOA_W
 ClientSampled :
 BP-4B

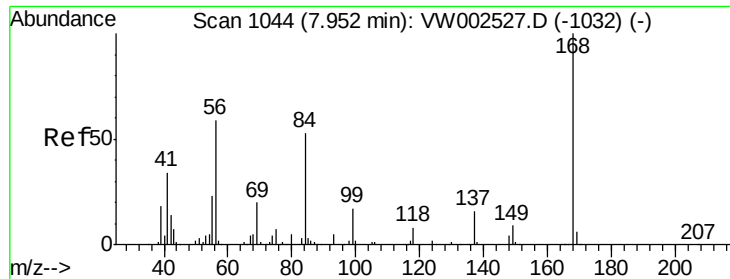
Tgt Ion: 77 Resp: 1281
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.1 36.3#



#29
 Tetrahydrofuran
 Concen: 1.33 ug/l
 RT: 7.52 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Tgt Ion: 42 Resp: 323
 Ion Ratio Lower Upper
 42 100
 72 30.0 35.0 52.4#
 71 5.9 33.0 49.6#

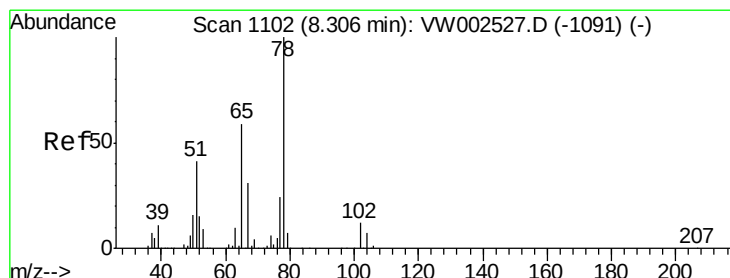
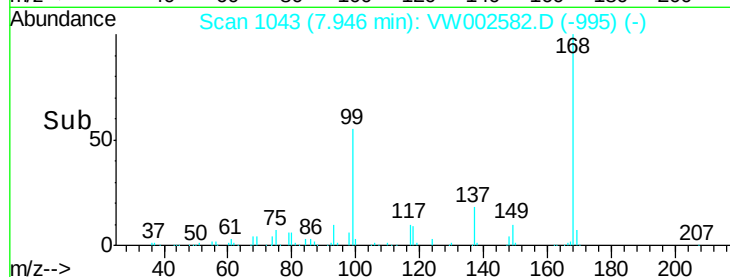
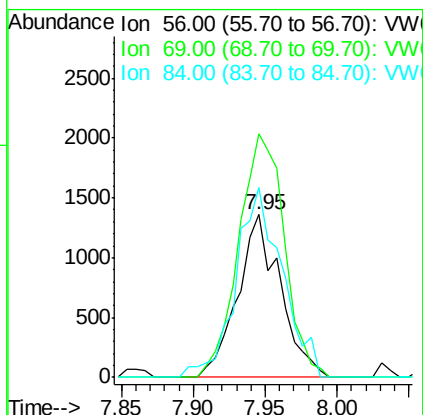
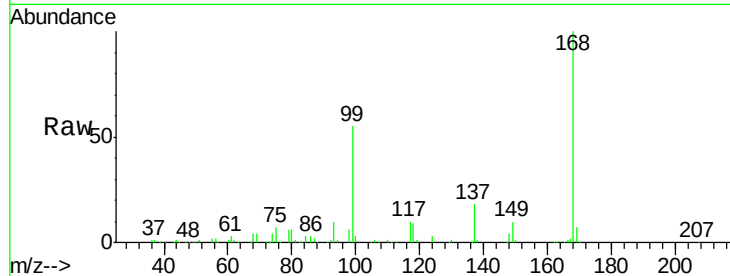




#31
Cyclohexane
Concen: 1.51 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

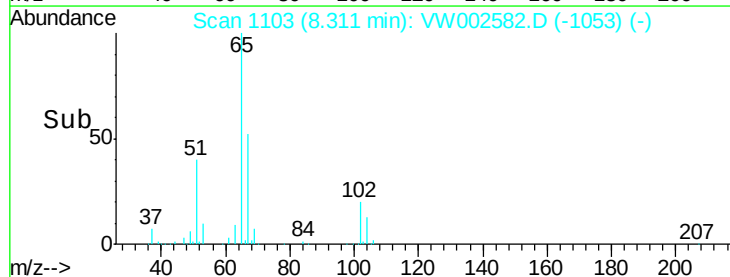
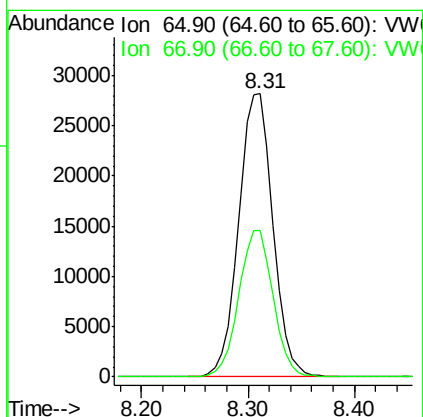
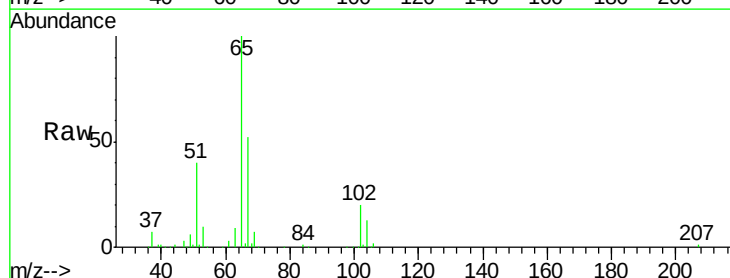
Instrument :
MSVOA_W
ClientSampled :
BP-4B

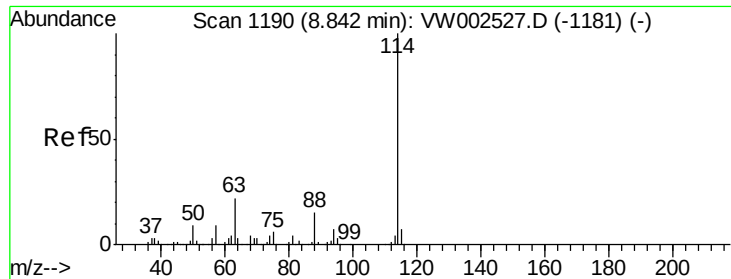
Tgt Ion: 56 Resp: 2788
Ion Ratio Lower Upper
56 100
69 149.6 27.0 40.4#
84 116.8 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 48.80 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

Tgt Ion: 65 Resp: 63581
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4

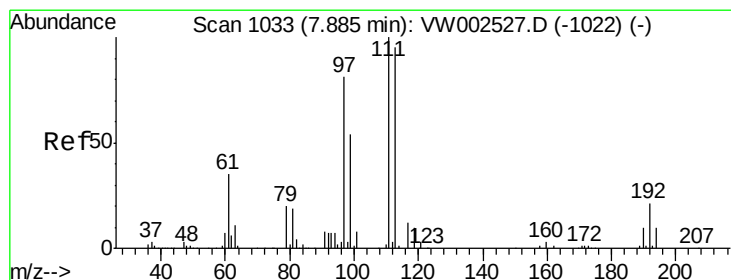
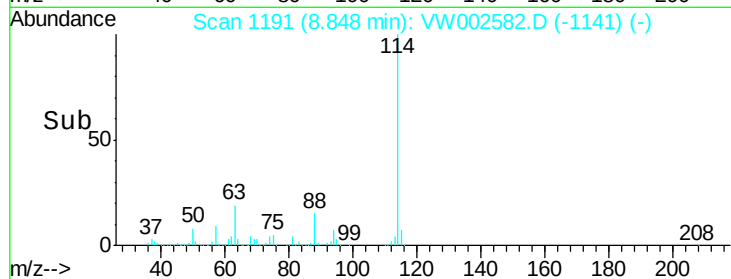
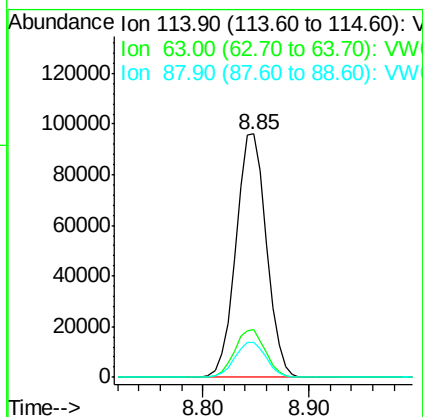
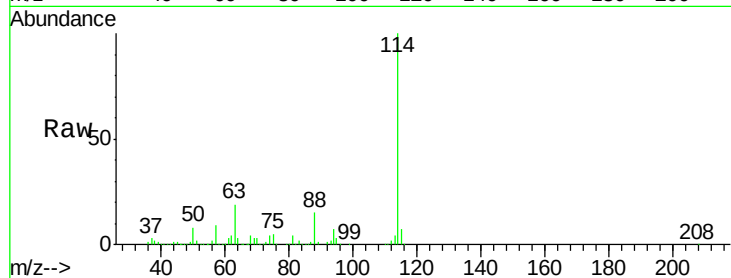




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

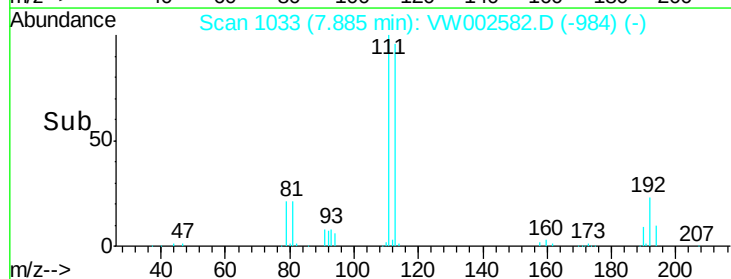
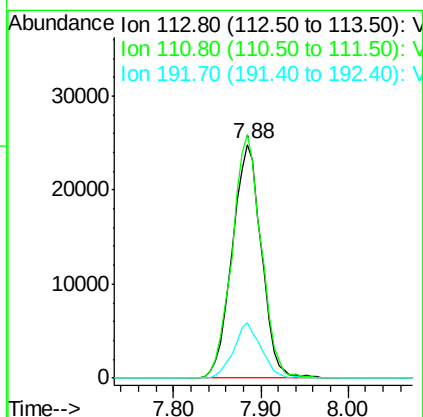
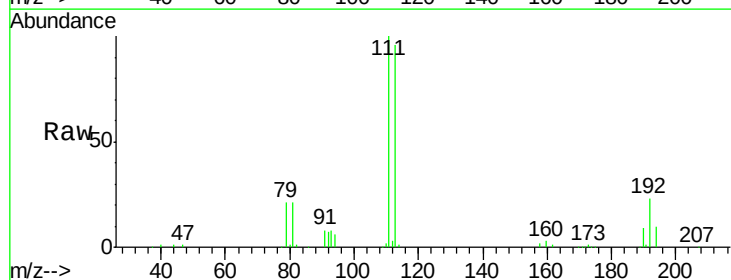
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 BP-4B

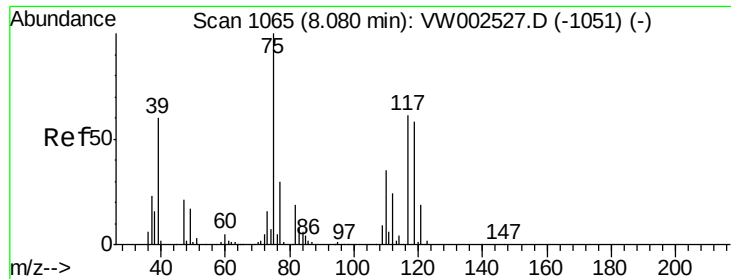
Tgt Ion:114 Resp: 193740
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.2
 88 14.5 0.0 29.2



#35
 Dibromofluoromethane
 Concen: 47.07 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Tgt Ion:113 Resp: 57851
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.8
 192 22.2 17.5 26.3

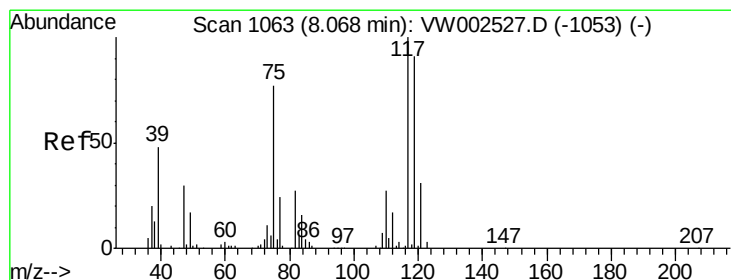
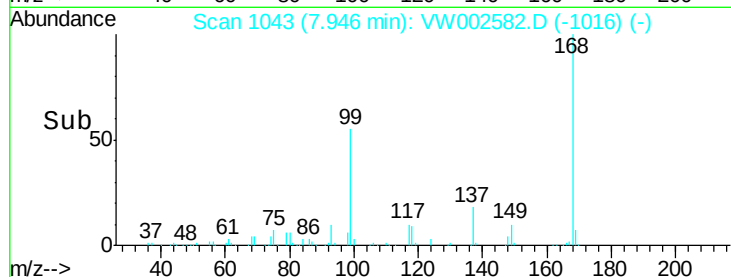
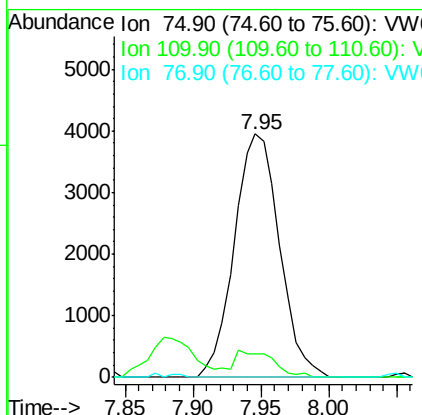
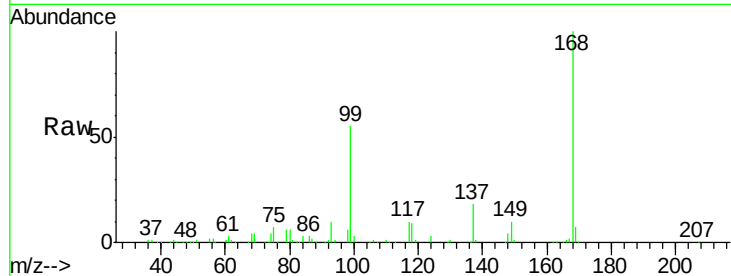




#36
 1,1-Dichloropropene
 Concen: 5.36 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

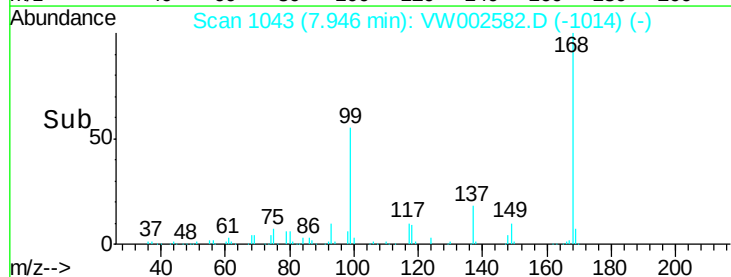
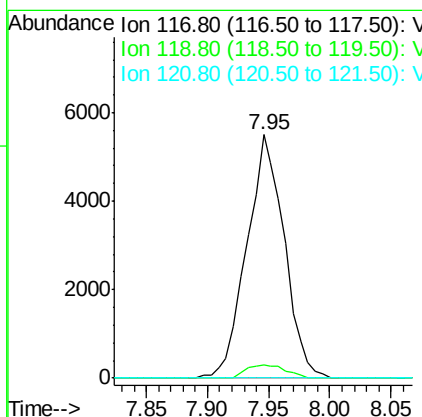
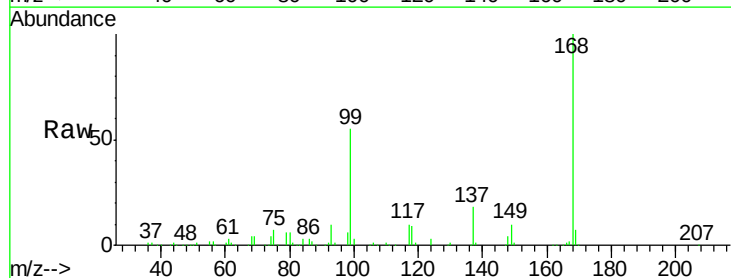
Instrument :
 MSVOA_W
 ClientSampled :
 BP-4B

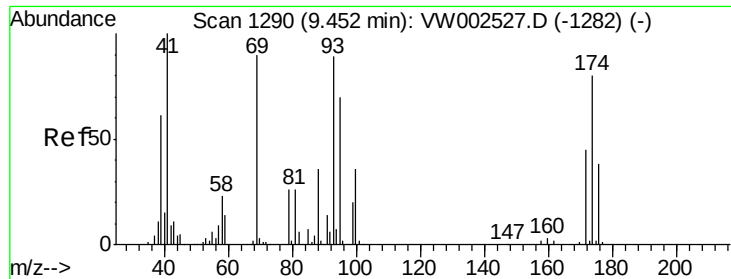
Tgt Ion: 75 Resp: 9171
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.8 53.5#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.01 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Tgt Ion: 117 Resp: 11732
 Ion Ratio Lower Upper
 117 100
 119 5.6 73.1 109.7#
 121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 2.44 ug/l

RT: 9.41 min Scan# 1283

Delta R.T. -0.04 min

Lab File: VW002582.D

Acq: 16 May 2018 06:23

Instrument :

MSVOA_W

ClientSampled :

BP-4B

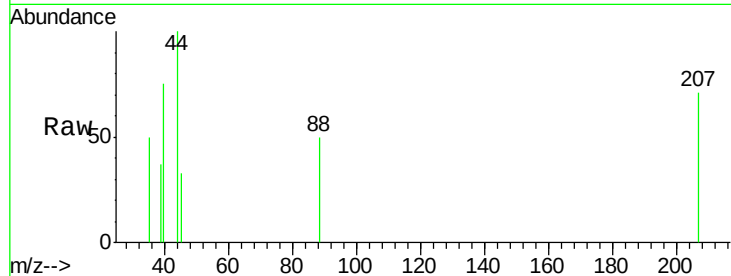
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 69.0 27.0 40.4#

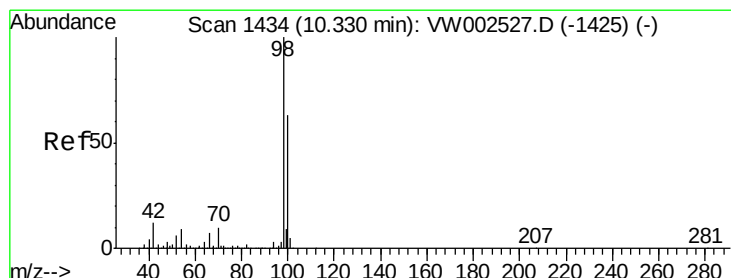
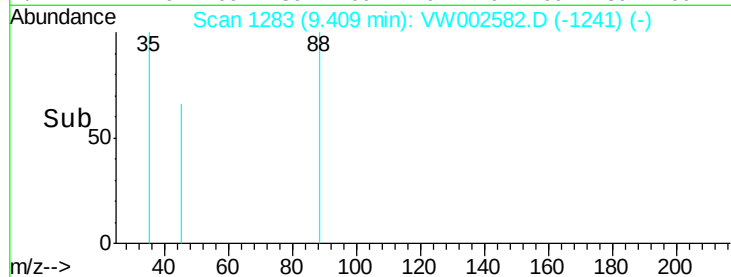
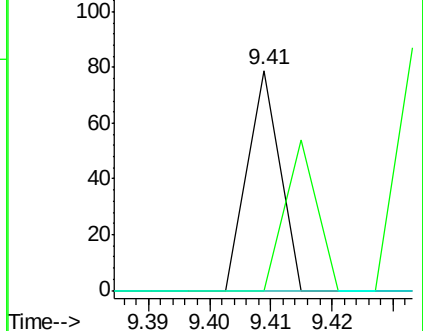
58 0.0 56.9 85.3#



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: 37.30 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002582.D

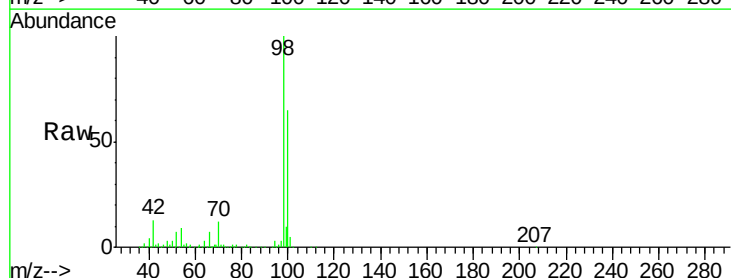
Acq: 16 May 2018 06:23

Tgt Ion: 98 Resp: 174422

Ion Ratio Lower Upper

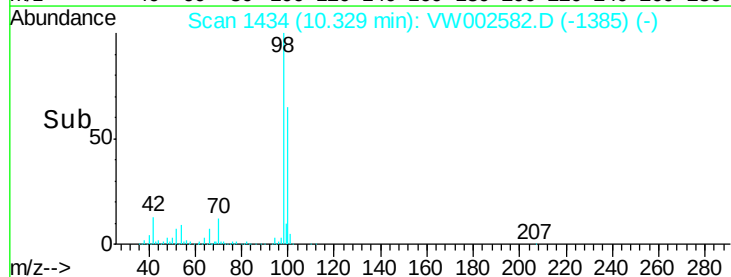
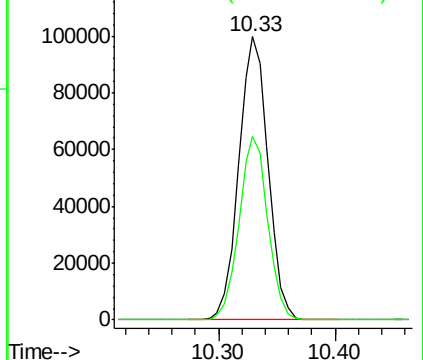
98 100

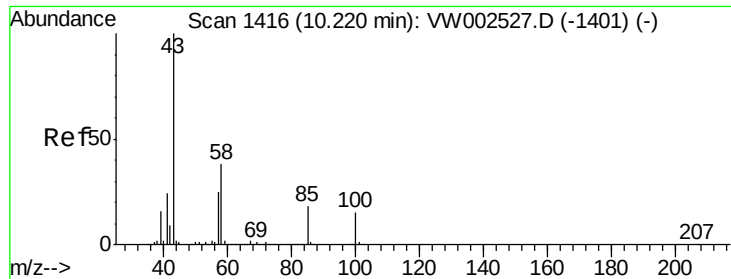
100 63.5 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

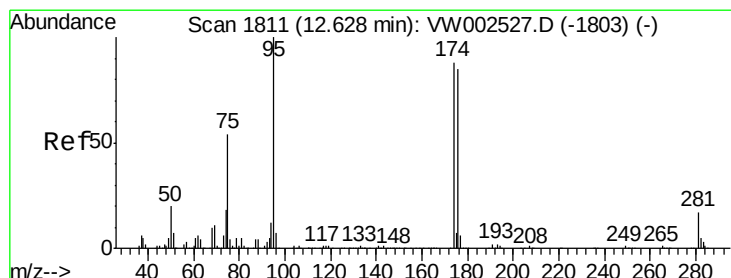
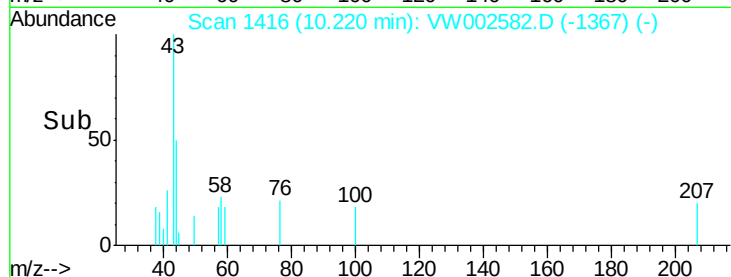
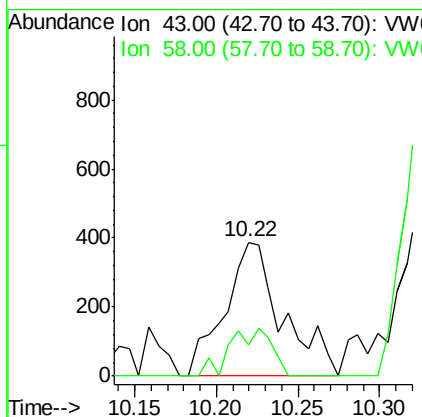
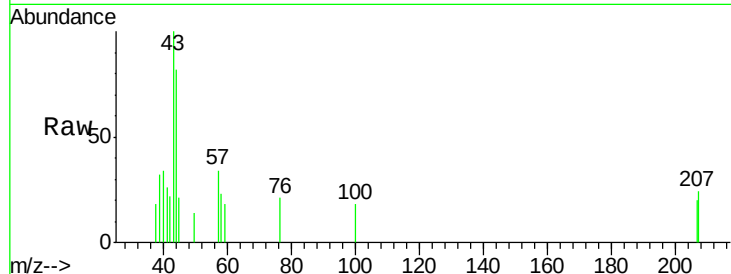




#51
 4-Methyl-2-Pentanone
 Concen: 1.07 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

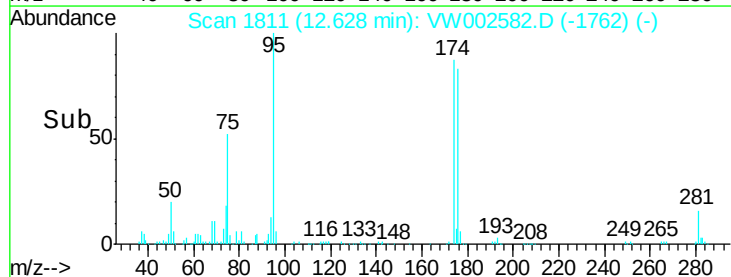
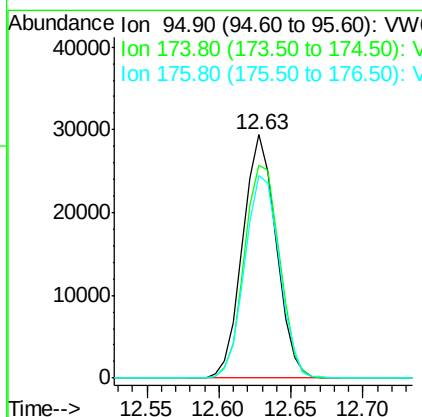
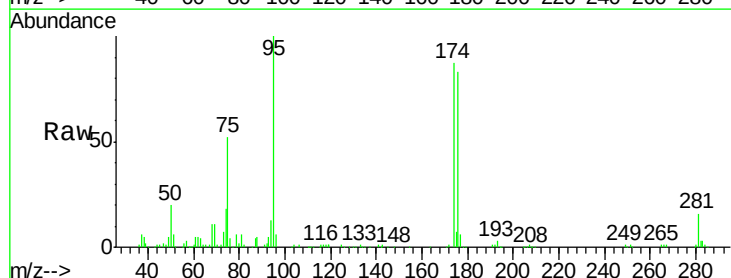
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-4B

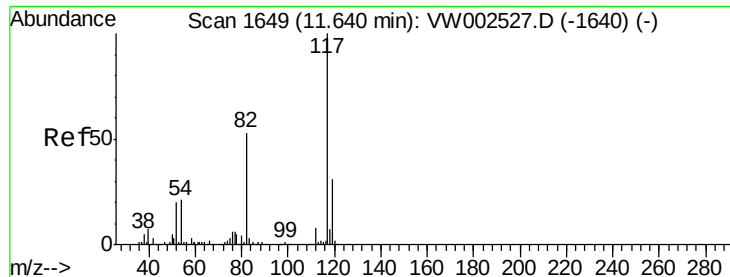
Tgt Ion: 43 Resp: 956
 Ion Ratio Lower Upper
 43 100
 58 25.6 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 27.69 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Tgt Ion: 95 Resp: 47346
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 176.6
 176 86.4 0.0 172.2

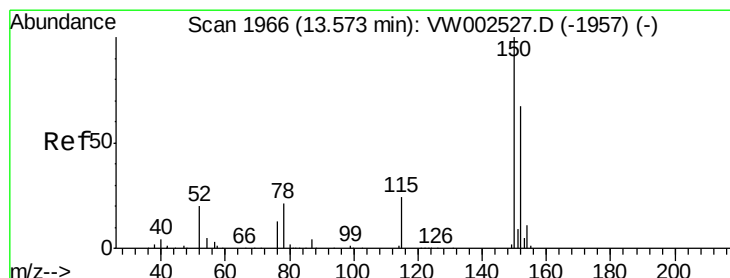
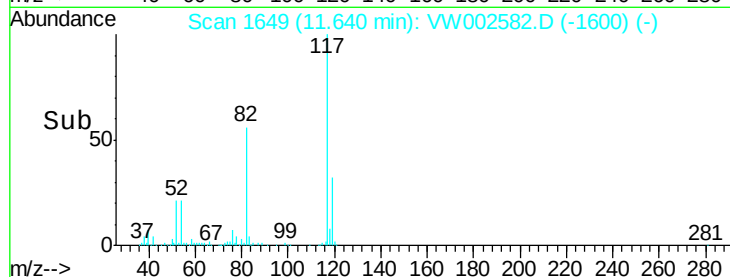
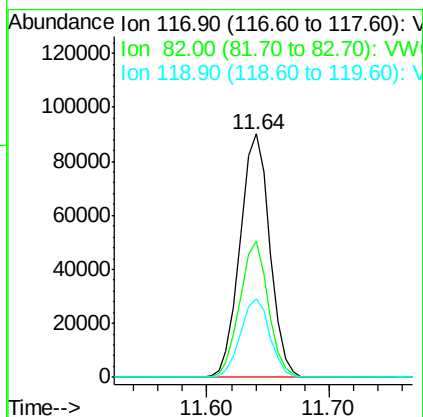
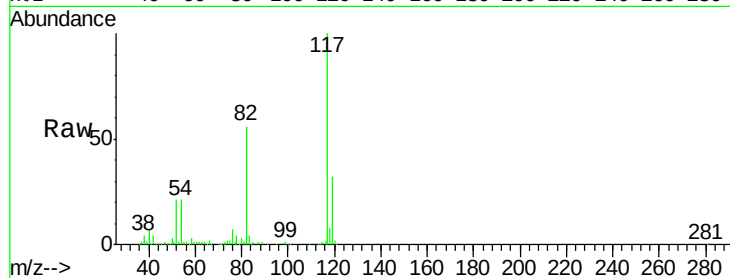




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

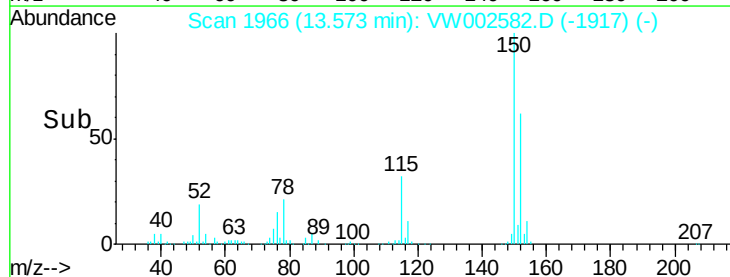
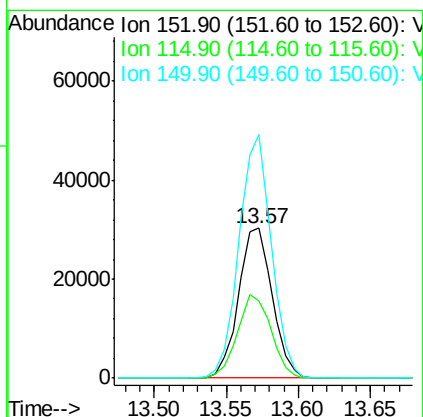
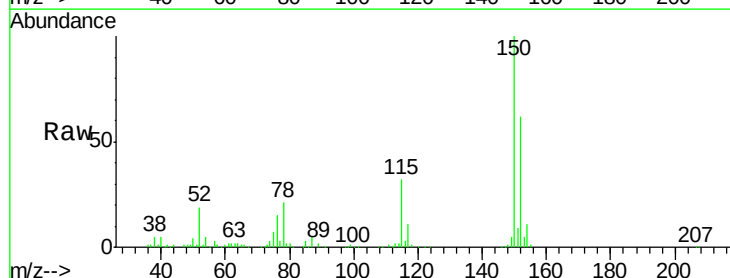
Instrument :
MSVOA_W
ClientSampleId :
BP-4B

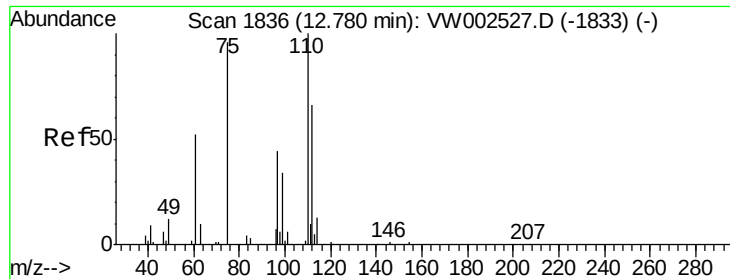
Tgt Ion:117 Resp: 151923
Ion Ratio Lower Upper
117 100
82 56.1 42.6 64.0
119 32.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002582.D
Acq: 16 May 2018 06:23

Tgt Ion:152 Resp: 49145
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 156.2 0.0 345.4

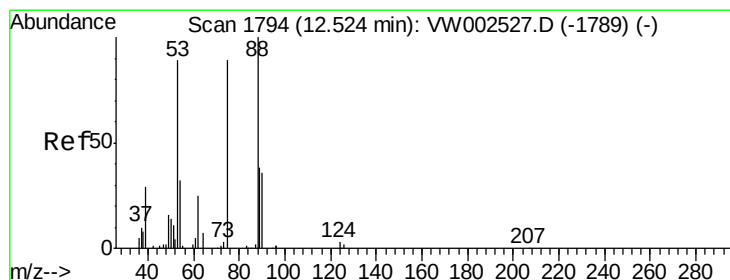
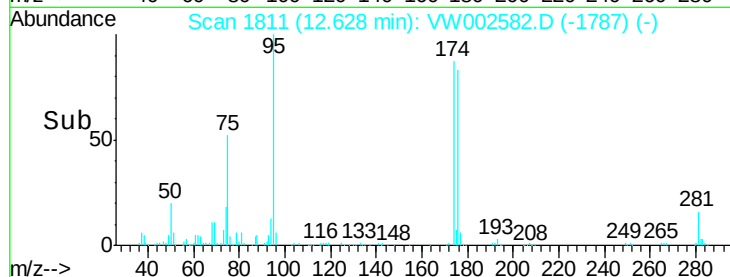
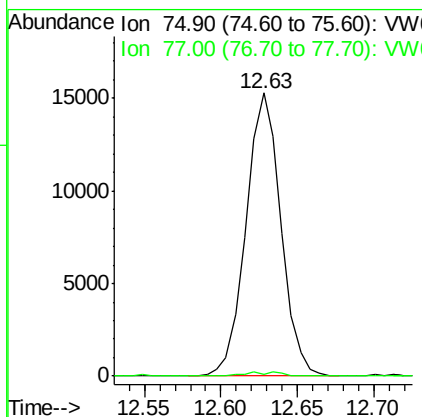
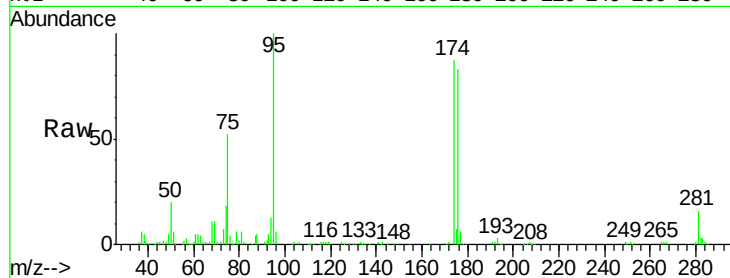




#76
 1,2,3-Trichloropropane
 Concen: 52.04 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Instrument :
 MSVOA_W
 ClientSampled :
 BP-4B

Tgt Ion: 75 Resp: 24175
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.88 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002582.D
 Acq: 16 May 2018 06:23

Tgt Ion: 75 Resp: 24175
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.6 124.0#
 89 0.0 39.2 58.8#

