

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004166.D
 Acq On : 24 Jul 2018 05:28
 Operator : SY/AP
 Sample : J4090-02
 Misc : 8.56G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 07:10:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

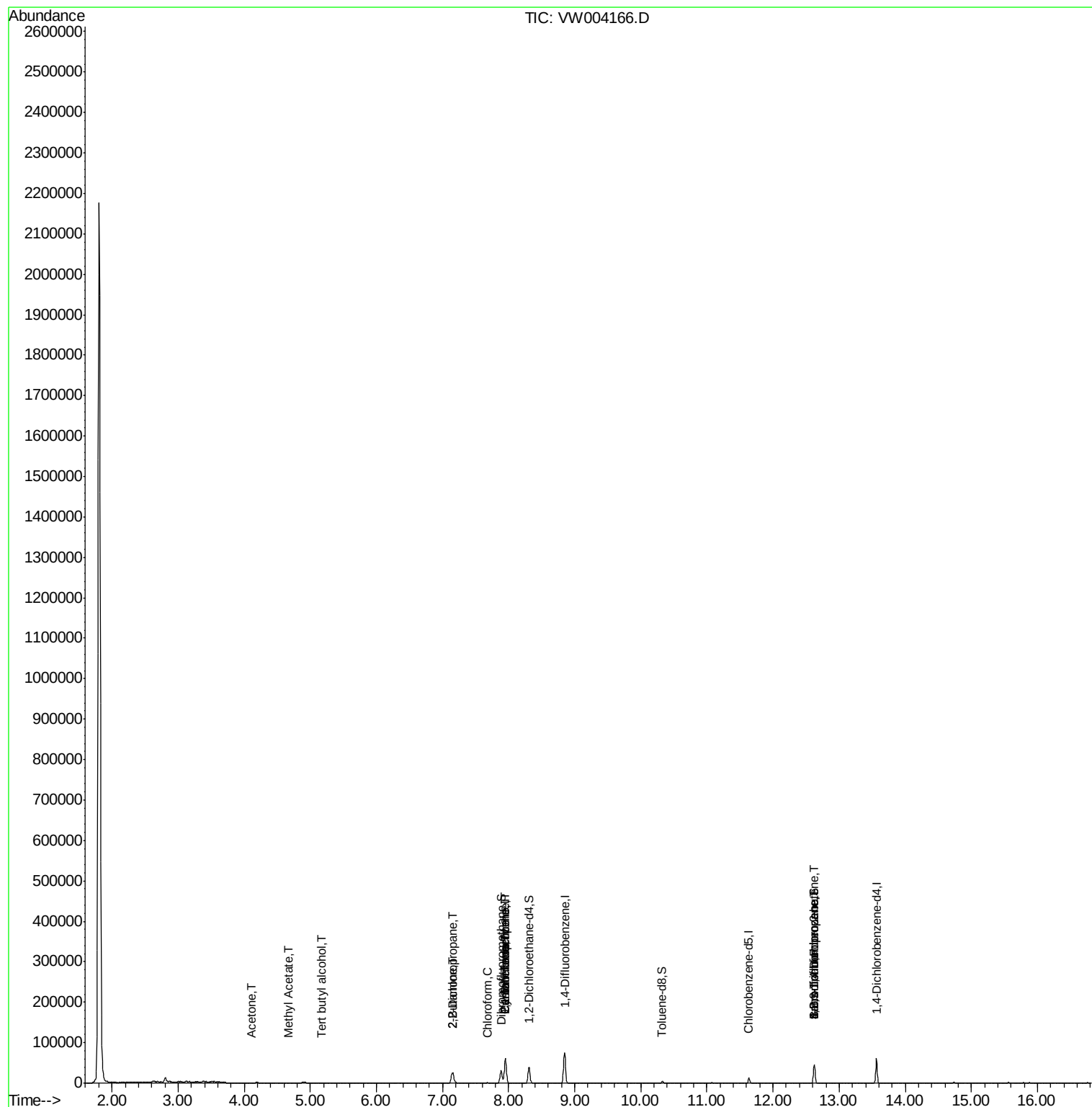
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	59572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	6675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15557	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30633	63.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.44%	
35) Dibromofluoromethane	7.88	113	22222	58.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.28%	
50) Toluene-d8	10.32	98	2404	1.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3.24%	
62) 4-Bromofluorobenzene	12.62	95	13969	26.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.24%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	429	12.826	ug/l #	72
16) Acetone	4.11	43	350	3.006	ug/l #	44
18) Methyl Acetate	4.67	43	737	2.637	ug/l #	54
20) Methylene Chloride	4.90	84	1837	Below Cal		96
25) 2-Butanone	7.15	43	1683	10.741	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	1663	3.379	ug/l #	52
30) Chloroform	7.68	83	1037	1.216	ug/l	84
31) Cyclohexane	7.95	56	1207	1.502	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	3853	6.286	ug/l #	50
38) Carbon Tetrachloride	7.95	117	4670	8.154	ug/l #	19
71) Bromoform	12.62	173	155	5.566	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	7644	49.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7644	109.478	ug/l #	11

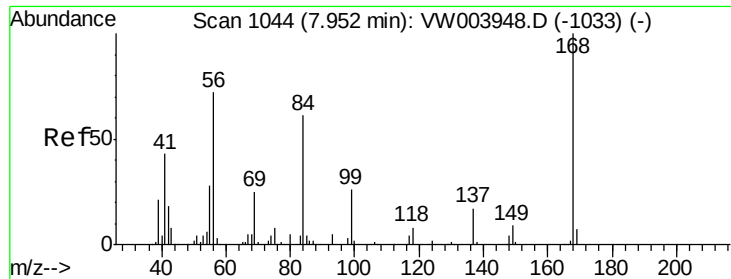
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

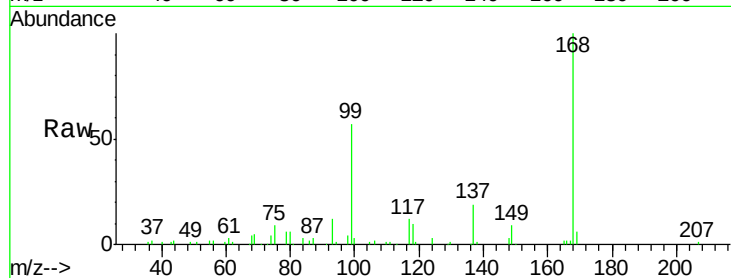
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 43347

Ion Ratio Lower Upper

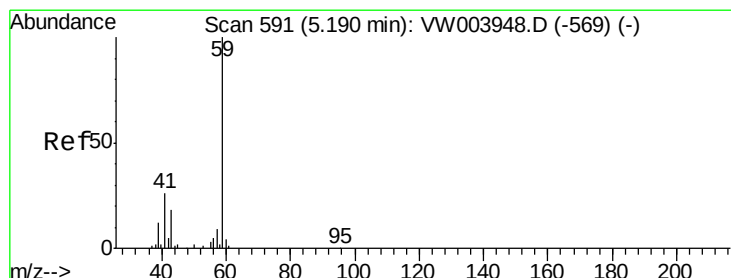
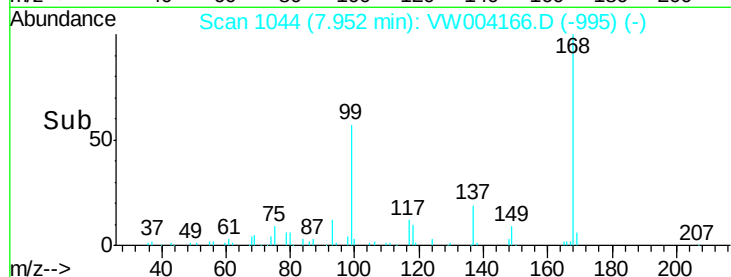
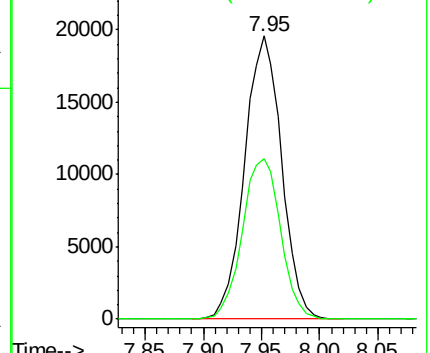
168 100

99 56.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 12.826 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW004166.D

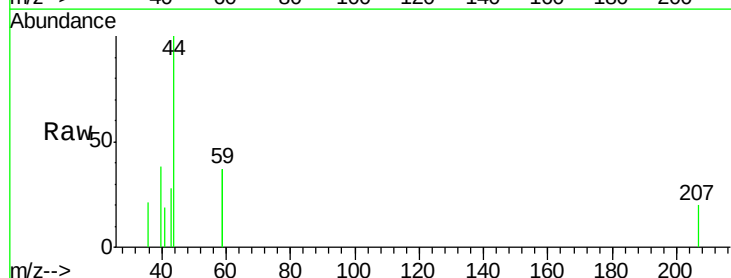
Acq: 24 Jul 2018 05:28

Tgt Ion: 59 Resp: 429

Ion Ratio Lower Upper

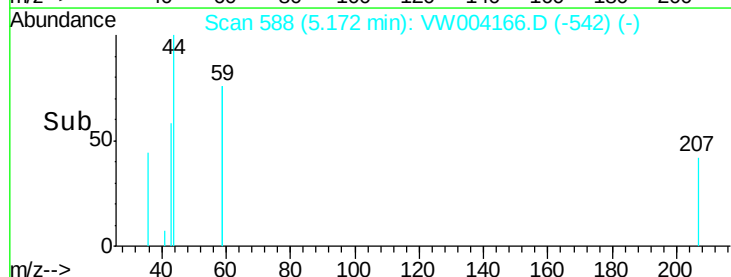
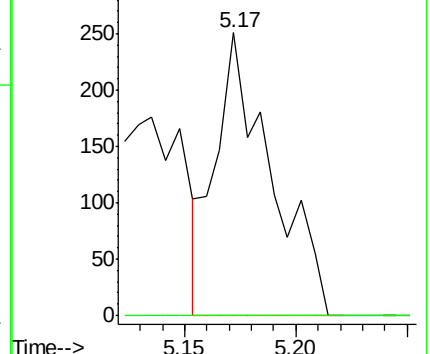
59 100

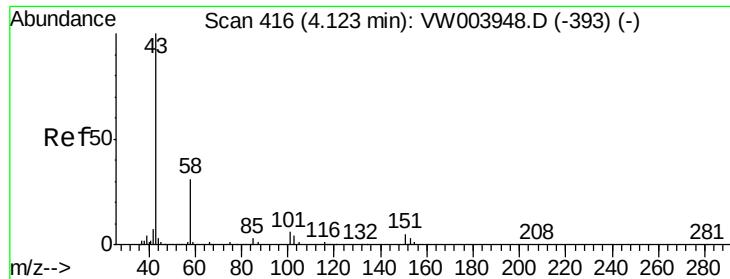
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.006 ug/l

RT: 4.11 min Scan# 414

Delta R.T. -0.01 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

Instrument :

MSVOA_W

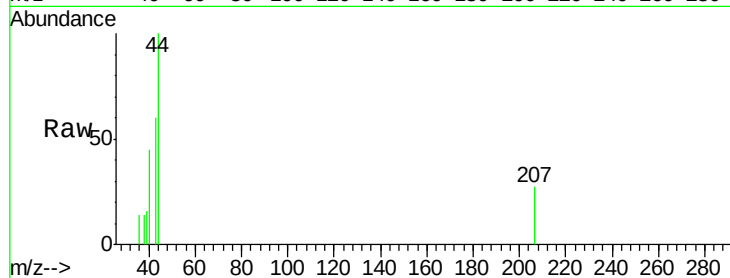
ClientSampled :

Tot Ion: 43 Resp: 350

Ion Ratio Lower Upper

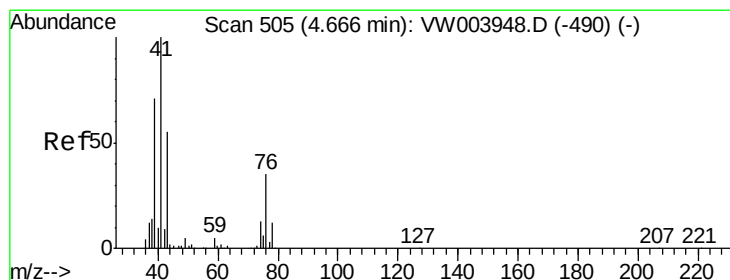
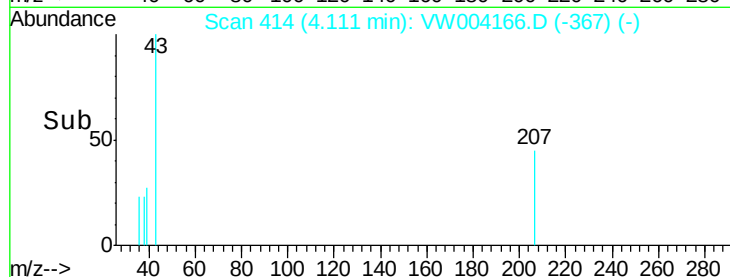
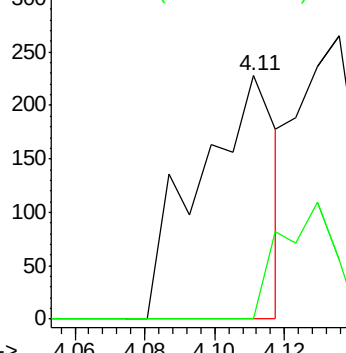
43 100

58 0.0 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 2.637 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004166.D

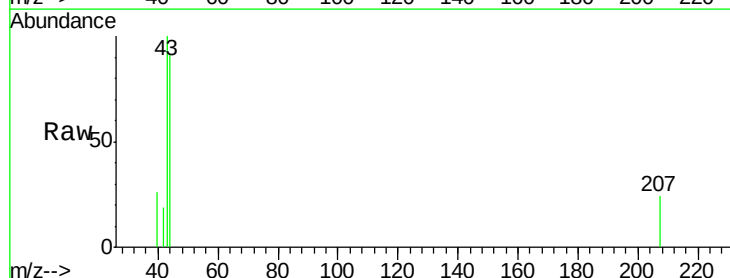
Acq: 24 Jul 2018 05:28

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

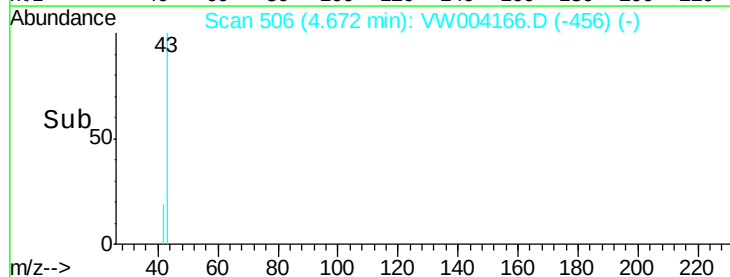
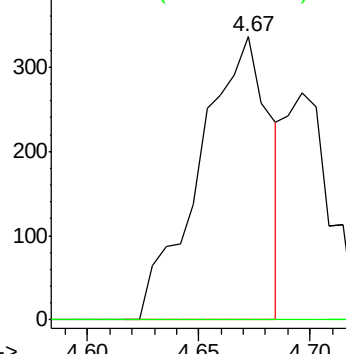
43 100

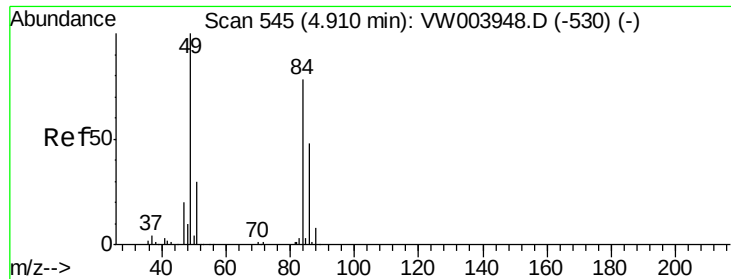
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

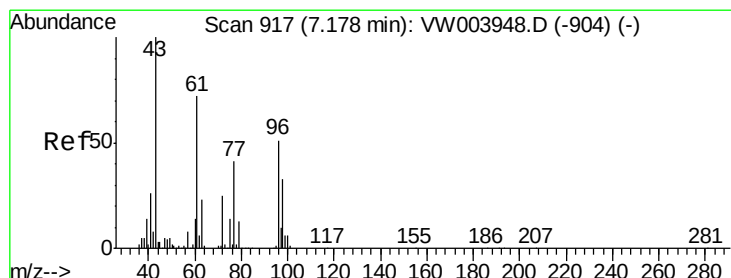
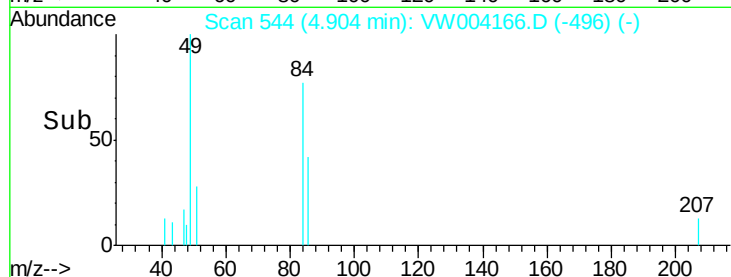
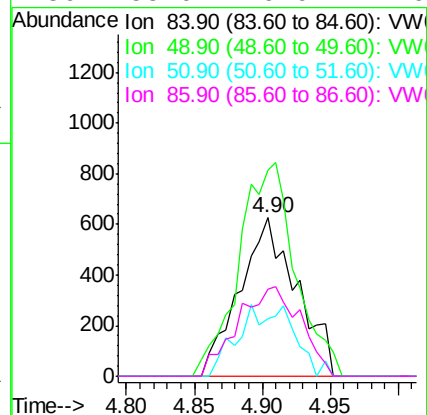
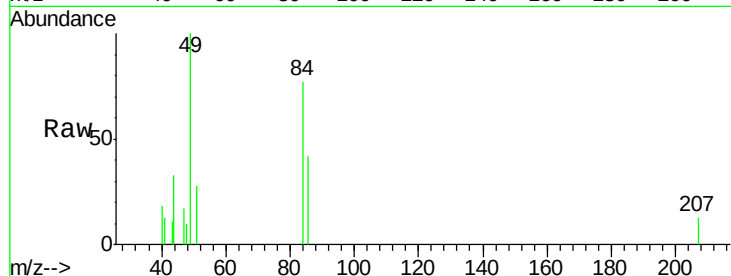




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

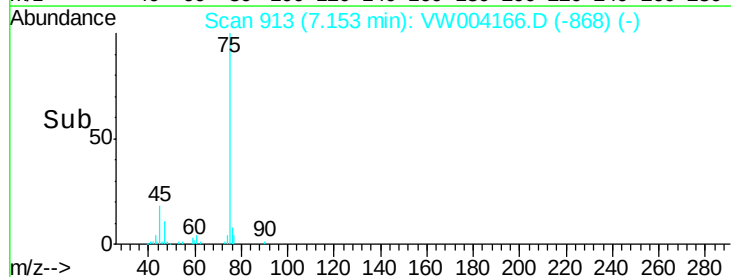
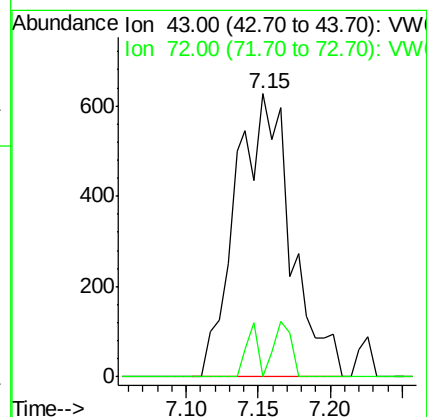
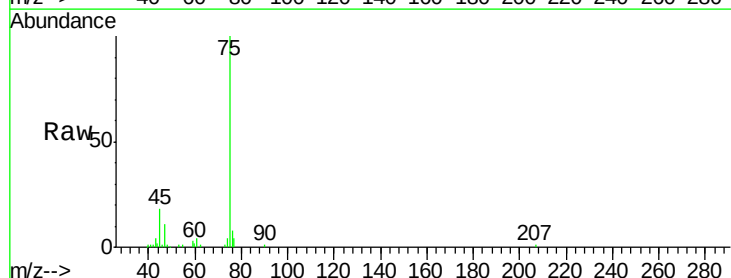
Instrument :
MSVOA_W
ClientSampleId :

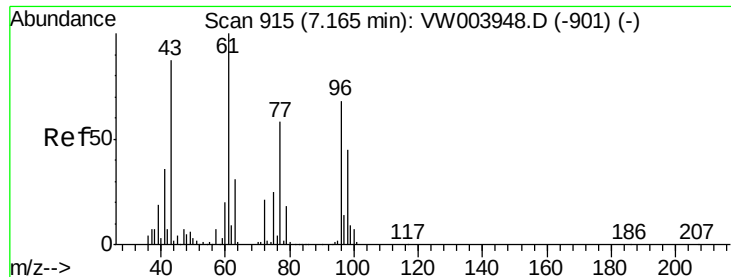
Tot Ion:	84	Resp:	1837
Ion	Ratio	Lower	Upper
84	100		
49	130.1	102.9	154.3
51	36.2	30.9	46.3
86	55.0	49.9	74.9



#25
2-Butanone
Concen: 10.741 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Tgt Ion:	43	Resp:	1683
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#

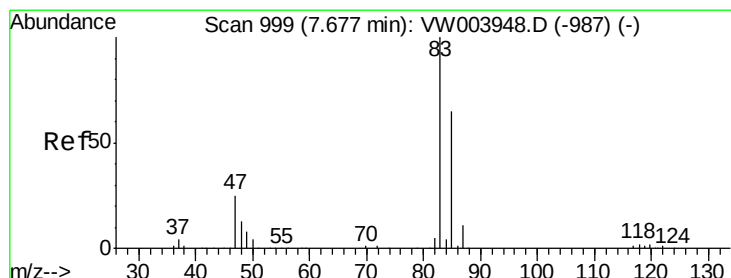
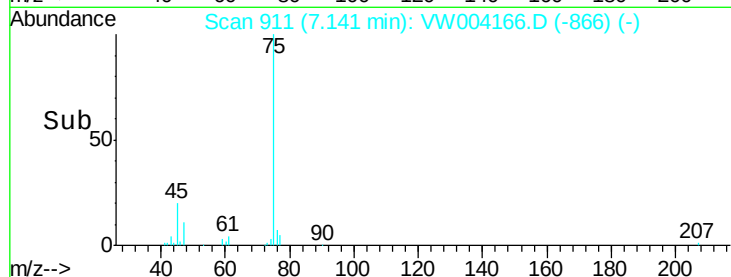
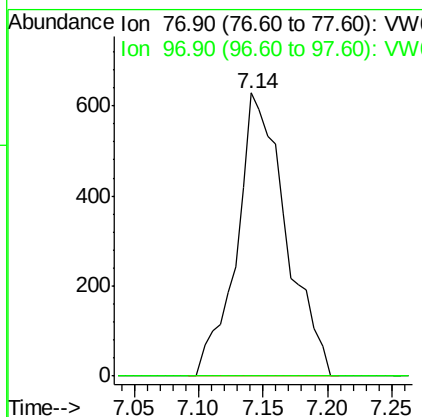
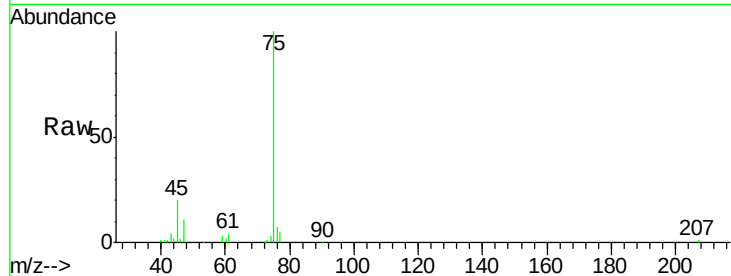




#26
 2,2-Dichloropropane
 Concen: 3.379 ug/l
 RT: 7.14 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VW004166.D
 Acq: 24 Jul 2018 05:28

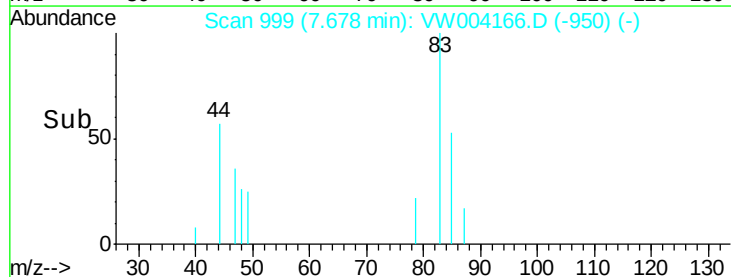
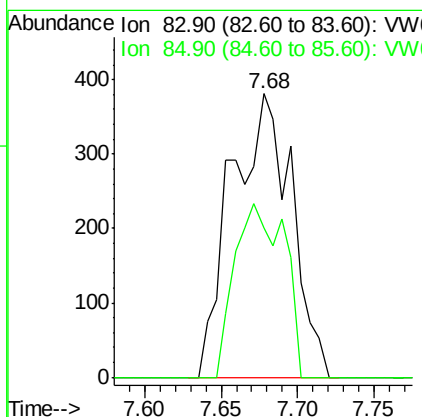
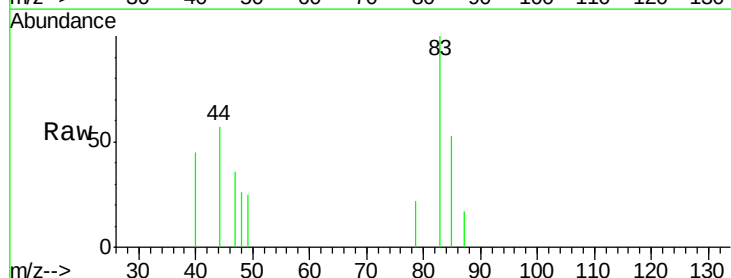
Instrument :
 MSVOA_W
 ClientSampleId :

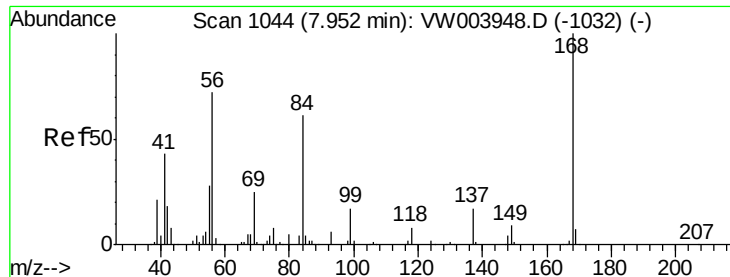
Tot Ion: 77 Resp: 1663
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.3#



#30
 Chloroform
 Concen: 1.216 ug/l
 RT: 7.68 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VW004166.D
 Acq: 24 Jul 2018 05:28

Tgt Ion: 83 Resp: 1037
 Ion Ratio Lower Upper
 83 100
 85 52.8 52.2 78.4

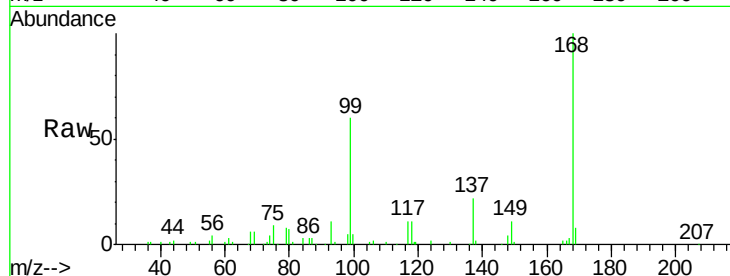




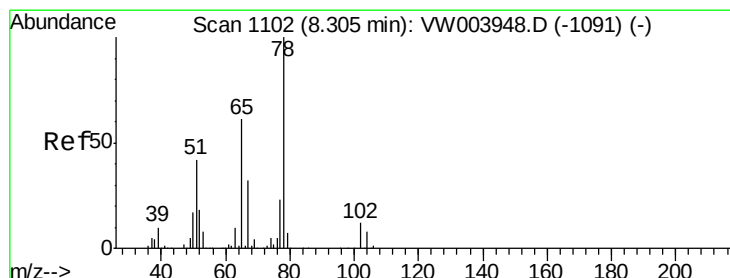
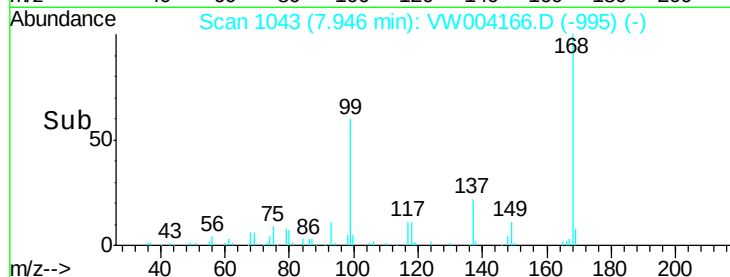
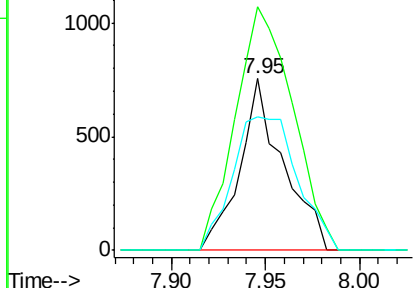
#31
Cyclohexane
Concen: 1.502 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1207
Ion Ratio Lower Upper
56 100
69 141.7 27.8 41.8#
84 77.6 67.2 100.8

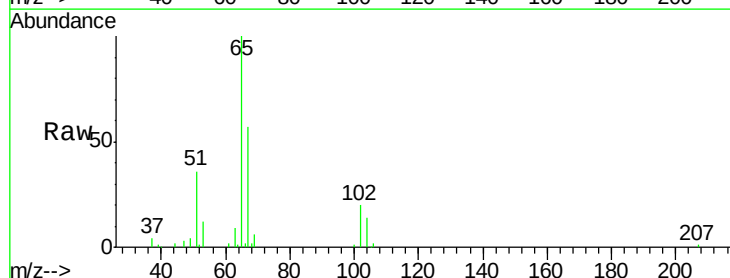


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

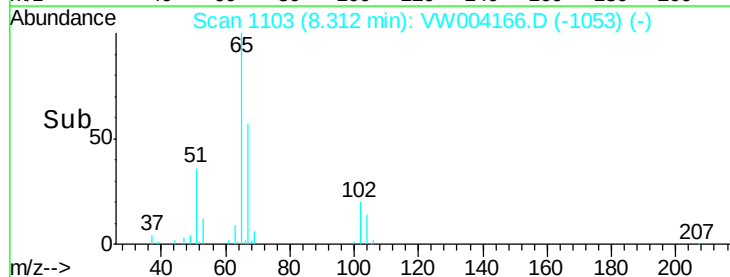
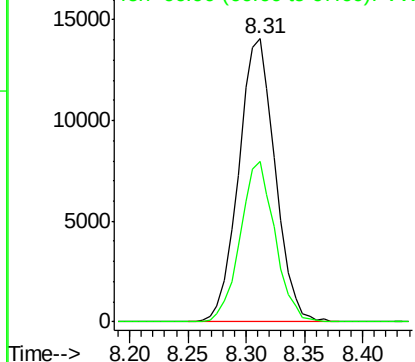


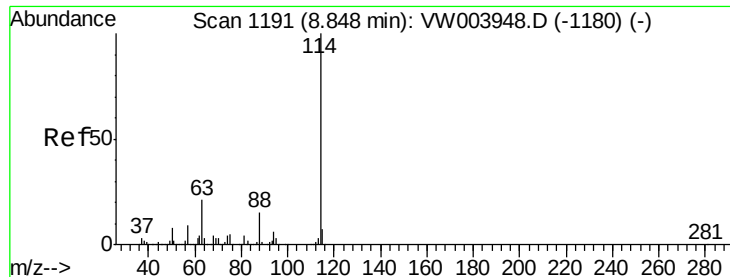
#33
1,2-Dichloroethane-d4
Concen: 63.222 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Tgt Ion: 65 Resp: 30633
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

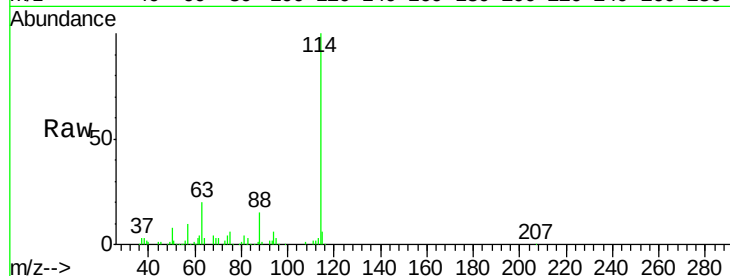




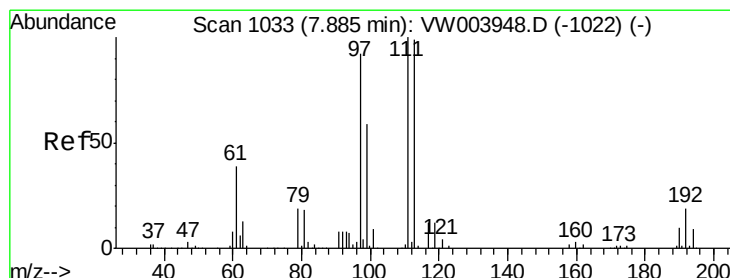
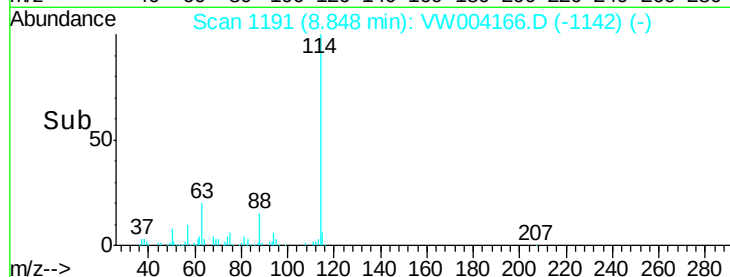
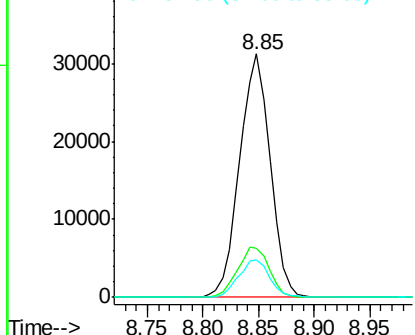
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 59572
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.8
88 15.4 0.0 30.4

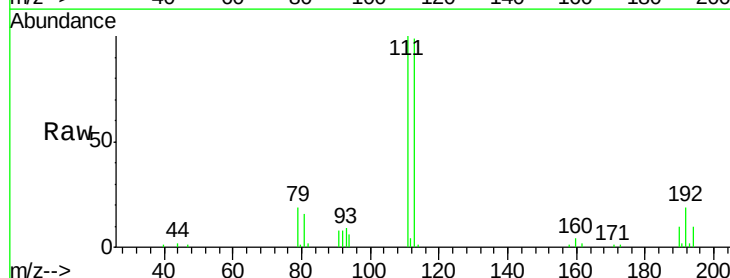


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

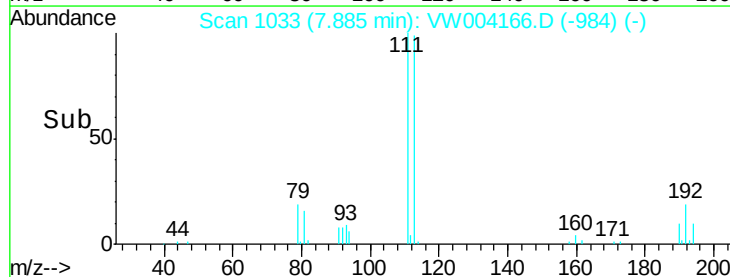
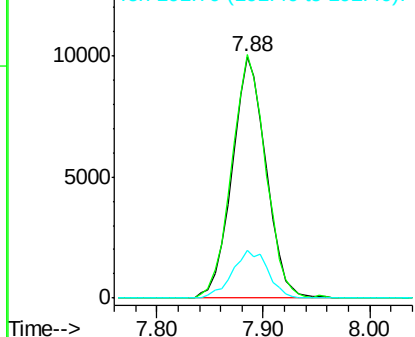


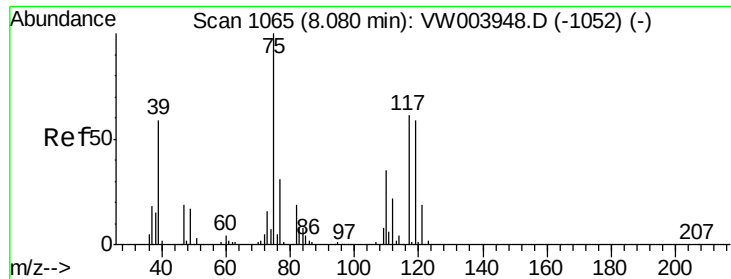
#35
Dibromofluoromethane
Concen: 58.138 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Tgt Ion:113 Resp: 22222
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 20.7 15.8 23.6



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

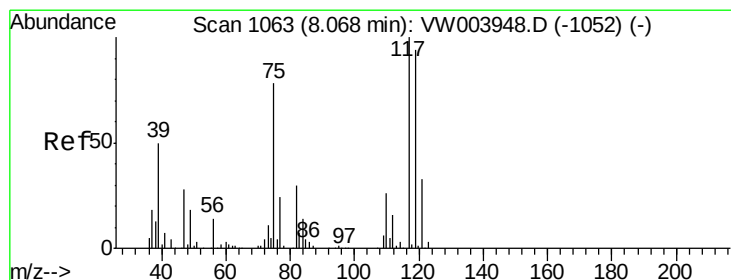
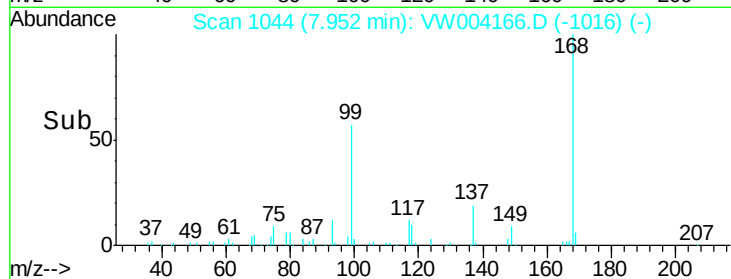
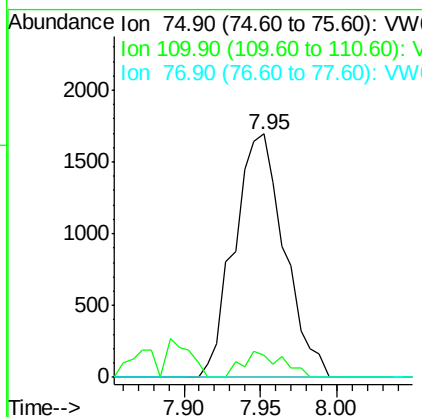
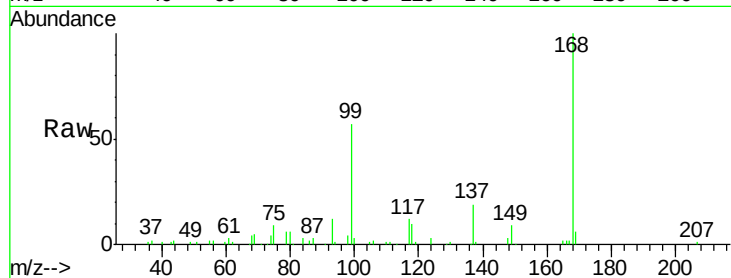




#36
 1,1-Dichloropropene
 Concen: 6.286 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004166.D
 Acq: 24 Jul 2018 05:28

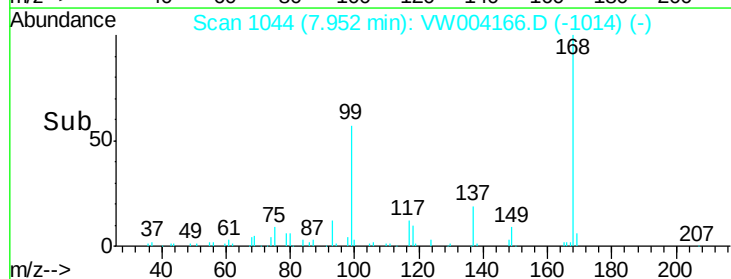
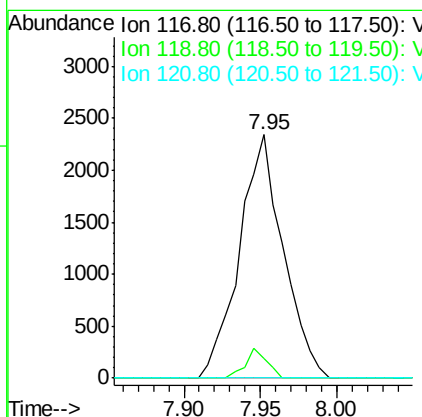
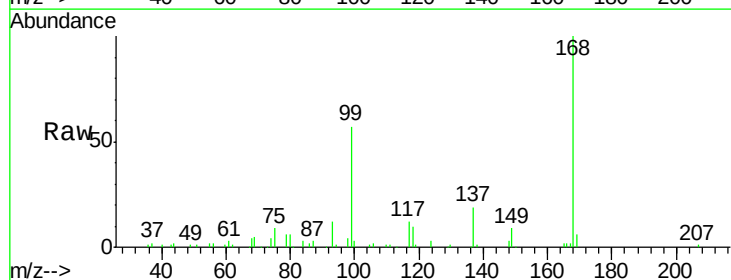
Instrument :
 MSVOA_W
 ClientSampleId :

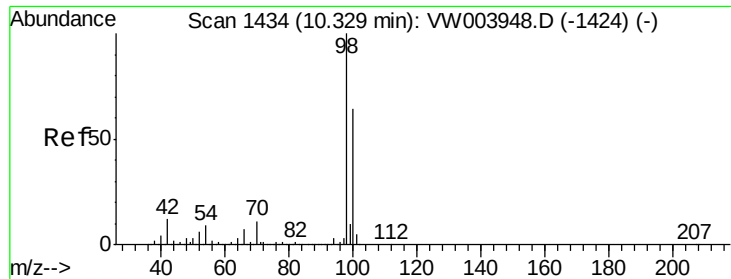
Tot Ion: 75 Resp: 3853
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 51.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 8.154 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004166.D
 Acq: 24 Jul 2018 05:28

Tgt Ion: 117 Resp: 4670
 Ion Ratio Lower Upper
 117 100
 119 8.0 75.3 112.9#
 121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 1.621 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

Instrument :

MSVOA_W

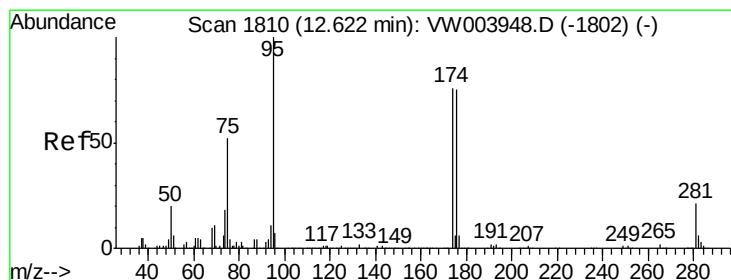
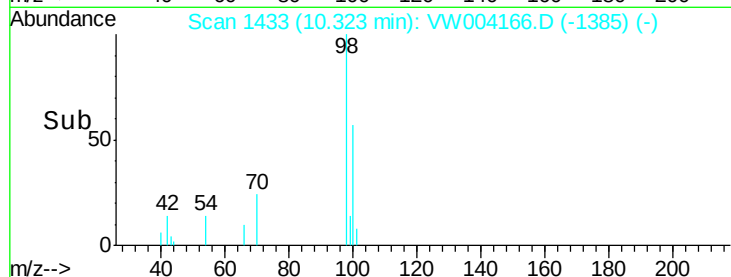
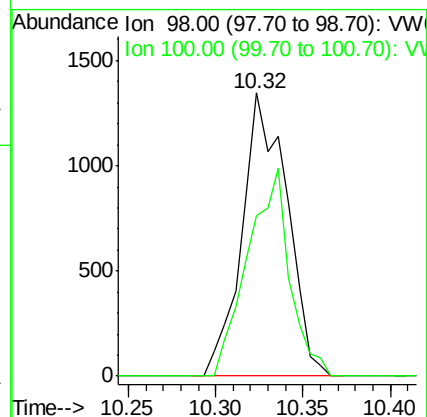
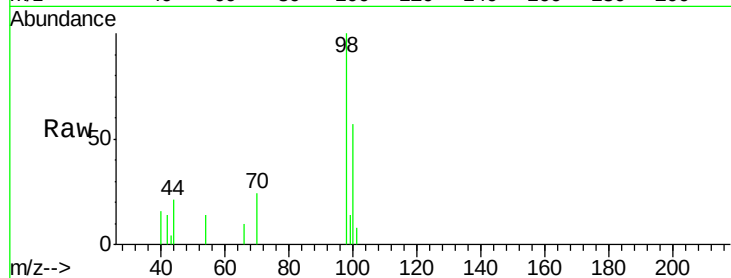
ClientSampled :

Tot Ion: 98 Resp: 2404

Ion Ratio Lower Upper

98 100

100 68.7 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 26.119 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

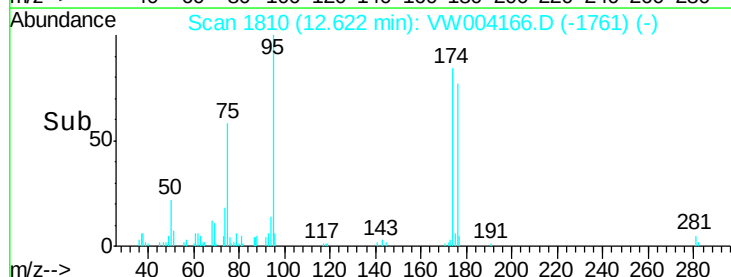
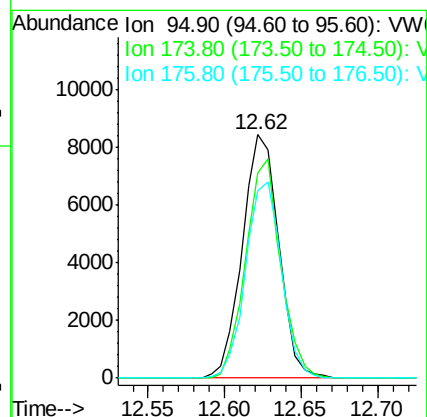
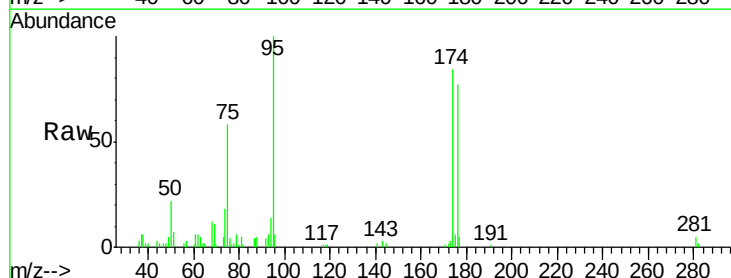
Tgt Ion: 95 Resp: 13969

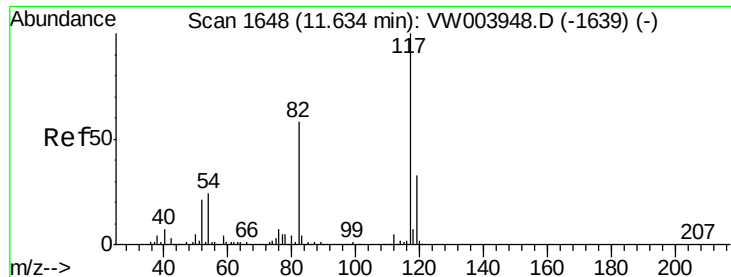
Ion Ratio Lower Upper

95 100

174 86.0 0.0 160.2

176 79.1 0.0 155.8

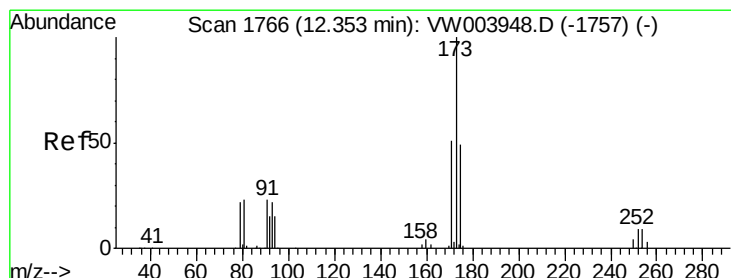
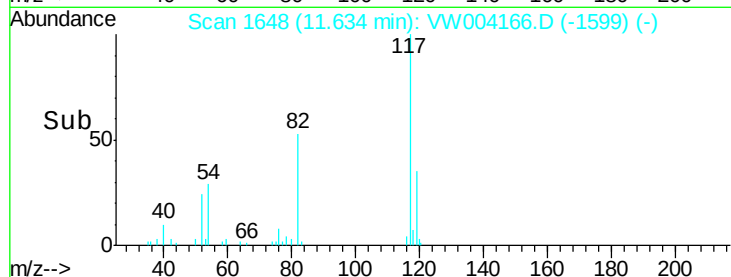
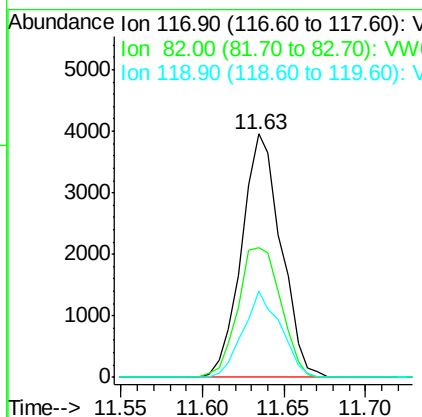
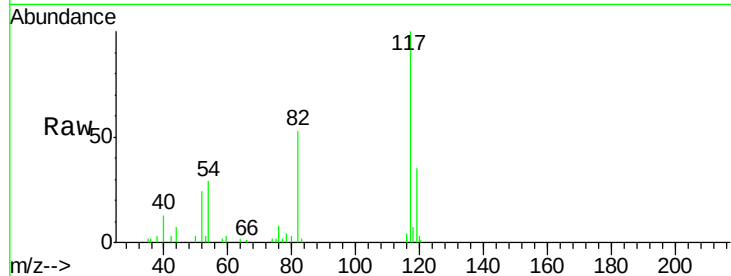




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

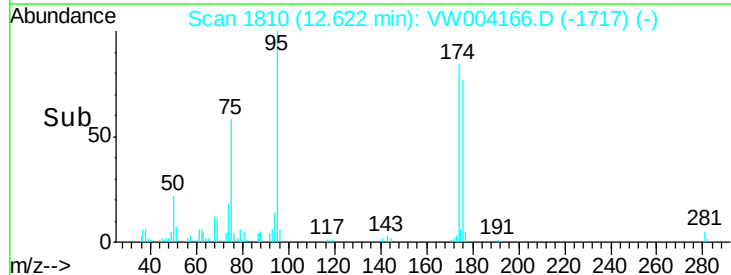
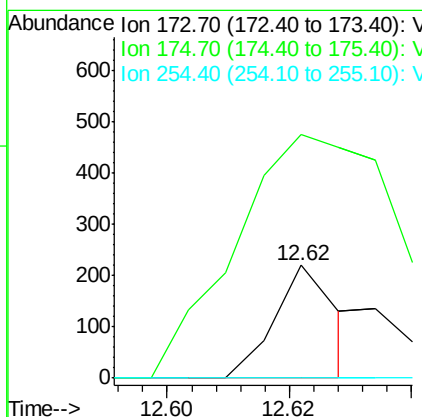
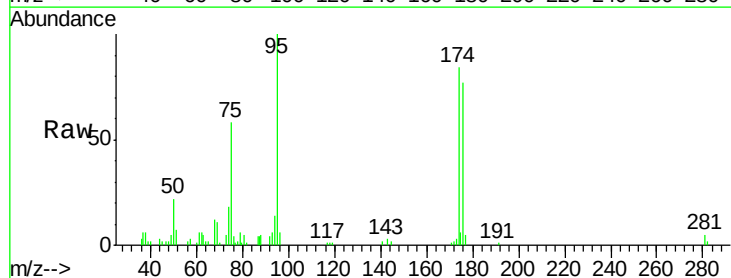
Instrument :
MSVOA_W
ClientSampled :

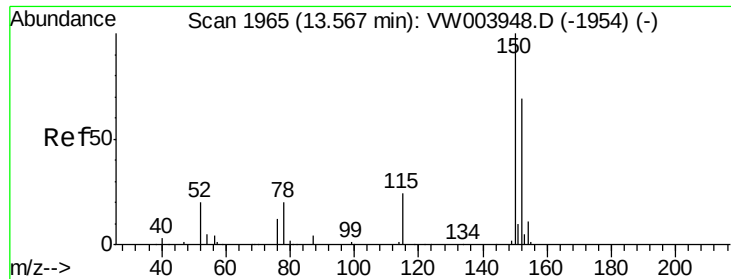
Tot Ion:117 Resp: 6675
Ion Ratio Lower Upper
117 100
82 53.1 46.5 69.7
119 35.3 26.2 39.2



#71
Bromoform
Concen: 5.566 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.27 min
Lab File: VW004166.D
Acq: 24 Jul 2018 05:28

Tgt Ion:173 Resp: 155
Ion Ratio Lower Upper
173 100
175 392.9 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

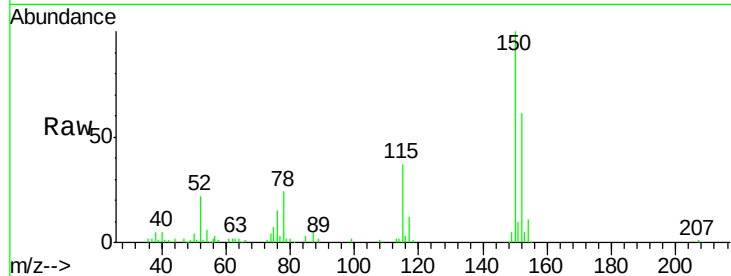
Tot Ion:152 Resp: 15557

Ion Ratio Lower Upper

152 100

115 62.2 29.2 87.6

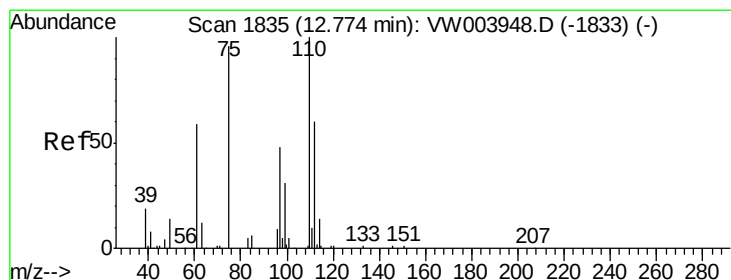
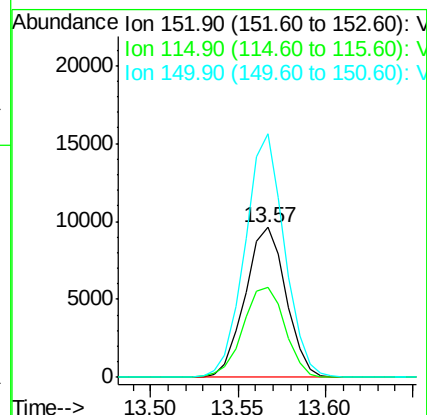
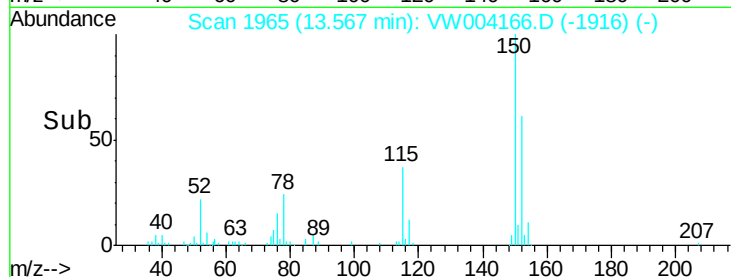
150 157.6 0.0 345.2



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: 49.493 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004166.D

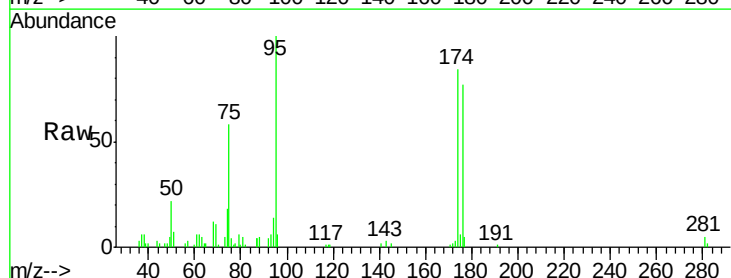
Acq: 24 Jul 2018 05:28

Tgt Ion: 75 Resp: 7644

Ion Ratio Lower Upper

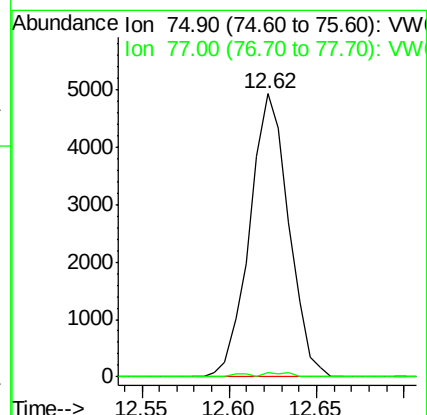
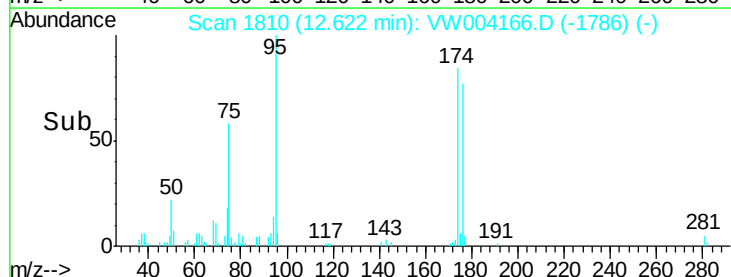
75 100

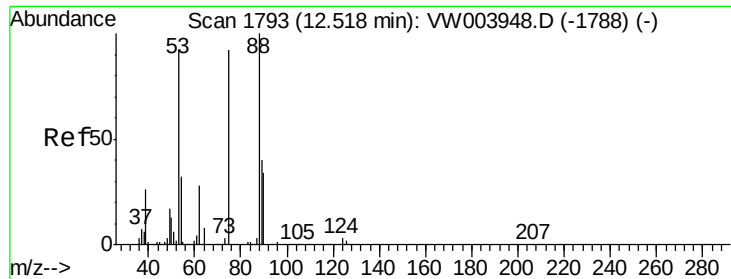
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 109.478 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004166.D

Acq: 24 Jul 2018 05:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 7644

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 36.6 54.8#

