

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003929.D
 Acq On : 13 Jul 2018 21:29
 Operator : VA/AP
 Sample : J3947-07RE
 Misc : 5.16G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 23:55:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	169722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	281594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	64829	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109460	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.88	113	94337	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.33	98	326804	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
62) 4-Bromofluorobenzene	12.62	95	84216	30.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.74%	

Target Compounds

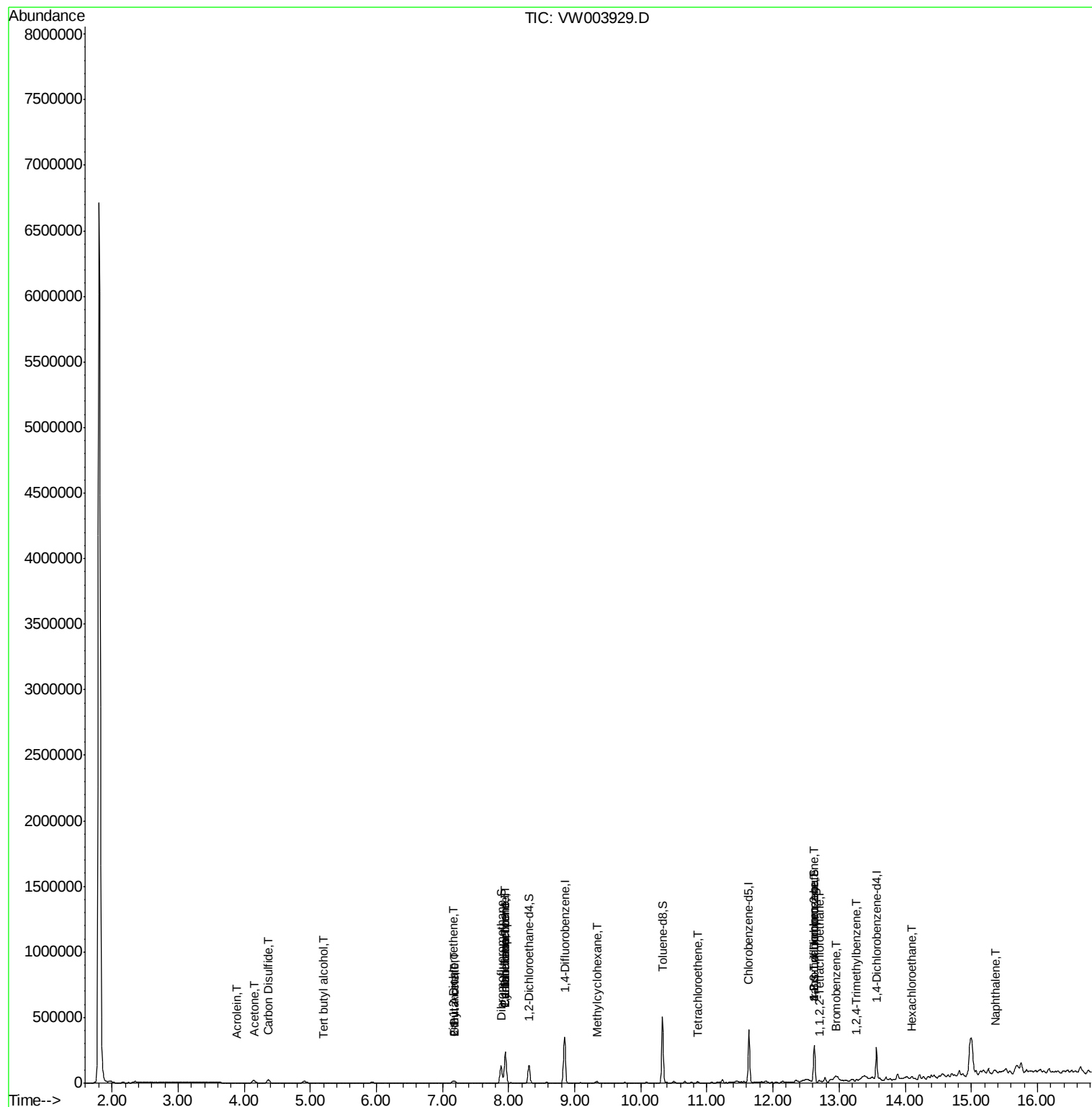
						Qvalue
11) Tert butyl alcohol	5.20	59	263	2.187	ug/l #	70
13) Acrolein	3.89	56	29	4.885	ug/l #	1
16) Acetone	4.15	43	41982	109.023	ug/l	97
17) Carbon Disulfide	4.37	76	54984	10.519	ug/l	98
25) 2-Butanone	7.18	43	10617	17.603	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	2696	1.292	ug/l	93
31) Cyclohexane	7.95	56	6748	2.083	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	14618	4.892	ug/l #	51
37) Ethyl Acetate	7.18	43	10617	7.303	ug/l #	71
38) Carbon Tetrachloride	7.95	117	17271	6.080	ug/l #	17
39) Methylcyclohexane	9.34	83	4881	1.492	ug/l	88
64) Tetrachloroethene	10.87	164	2150	1.365	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.70	83	1213	1.363	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	45145	70.915	ug/l #	100
77) Bromobenzene	12.95	156	19518	17.907	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	45145	173.474	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	5447	1.386	ug/l	93
90) Hexachloroethane	14.11	117	1055	1.343	ug/l #	10
95) Naphthalene	15.38	128	16579	6.895	ug/l #	93

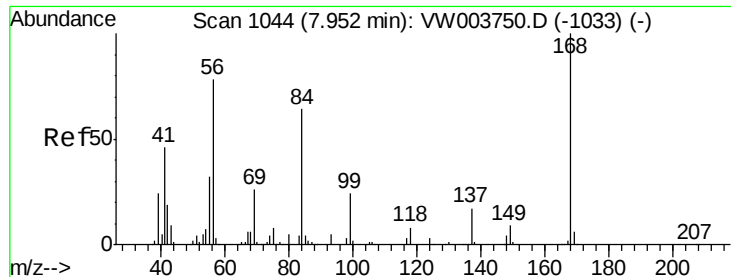
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

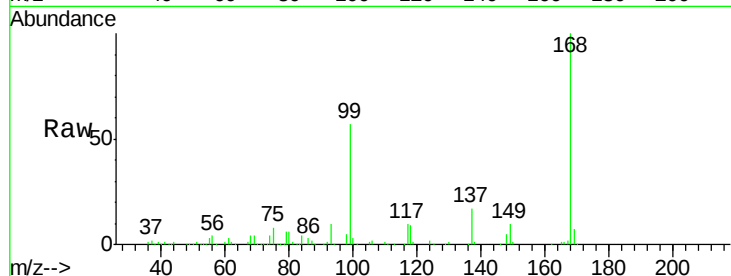
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 169722

Ion Ratio Lower Upper

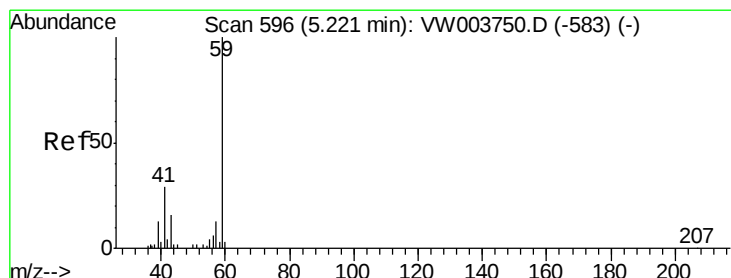
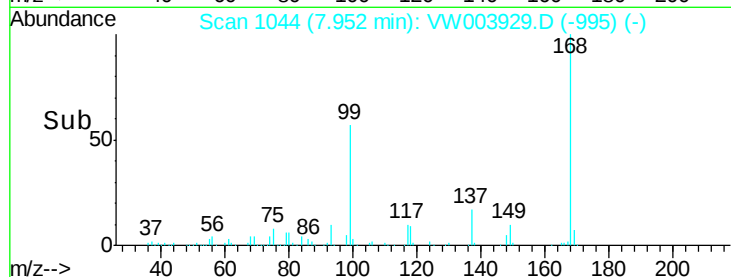
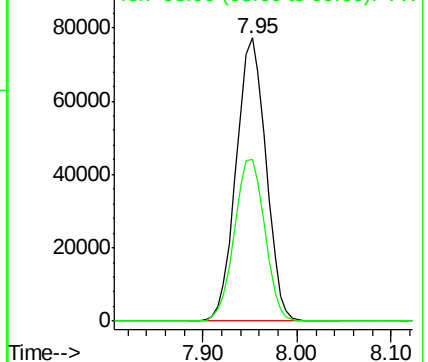
168 100

99 57.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.187 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003929.D

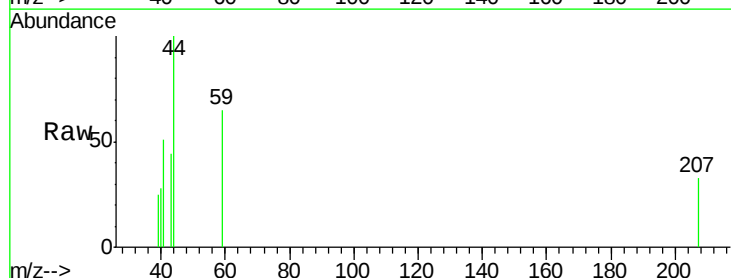
Acq: 13 Jul 2018 21:29

Tgt Ion: 59 Resp: 263

Ion Ratio Lower Upper

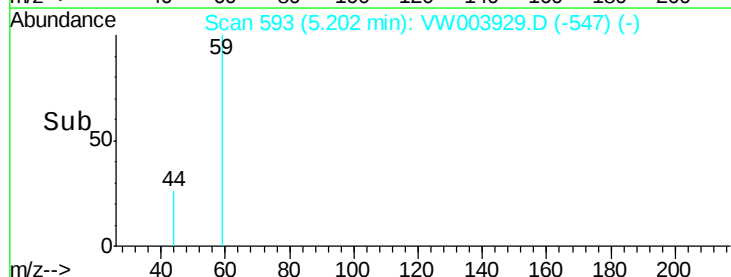
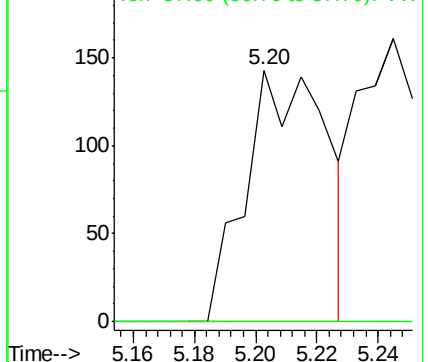
59 100

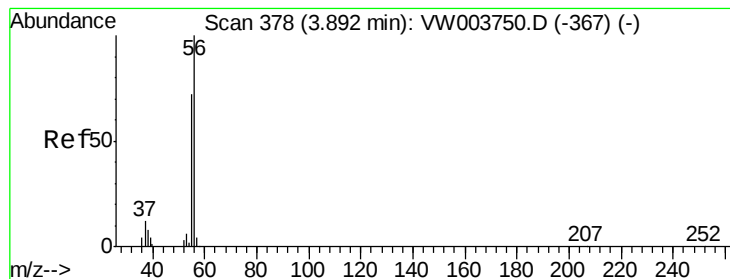
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.885 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

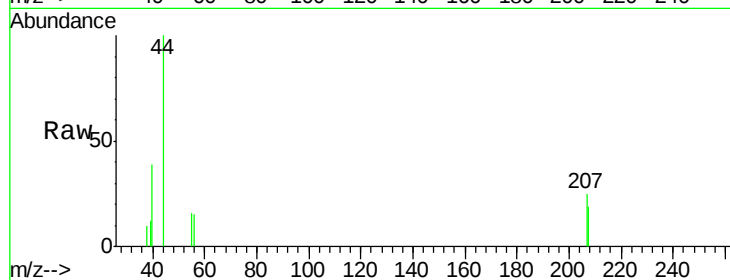
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 29

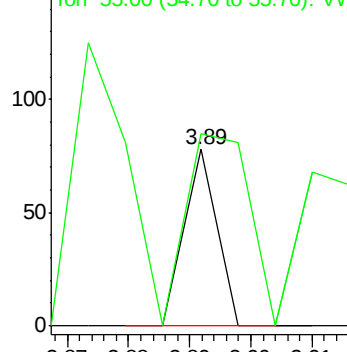
Ion Ratio Lower Upper

56 100

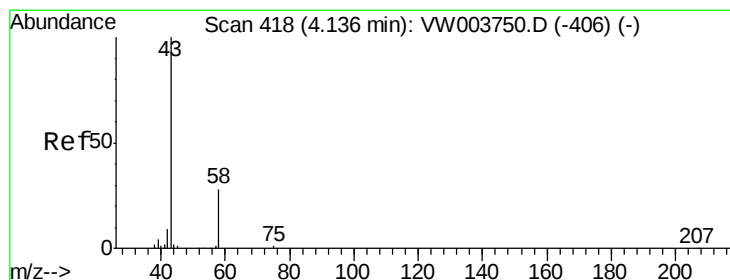
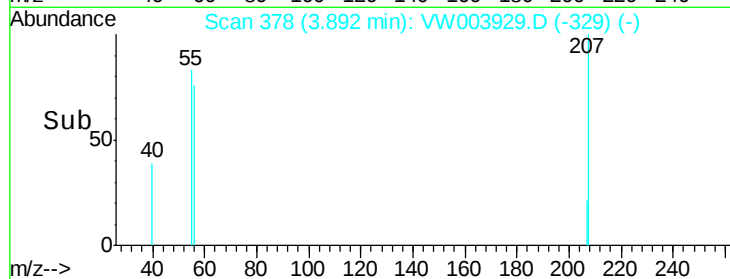
55 210.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 109.023 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VW003929.D

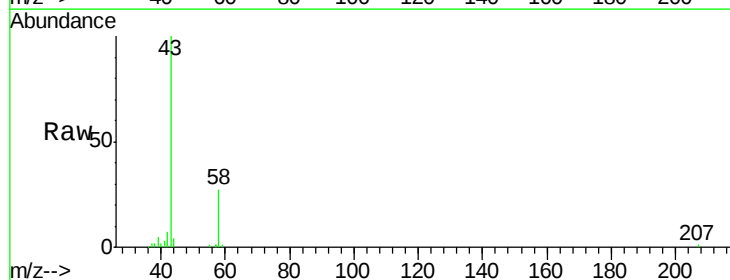
Acq: 13 Jul 2018 21:29

Tgt Ion: 43 Resp: 41982

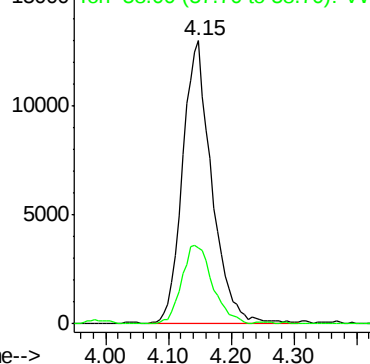
Ion Ratio Lower Upper

43 100

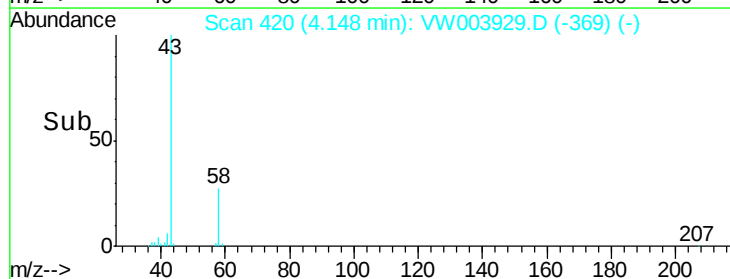
58 26.7 22.6 34.0

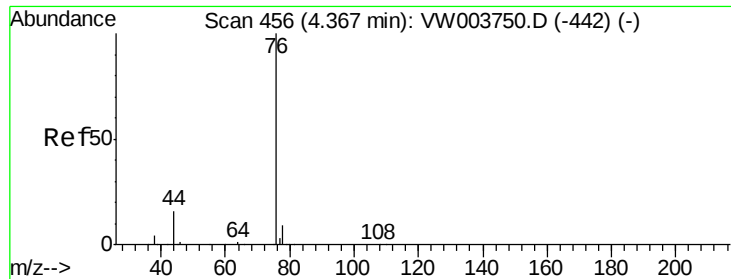


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



Time-->





#17

Carbon Disulfide

Concen: 10.519 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

Instrument :

MSVOA_W

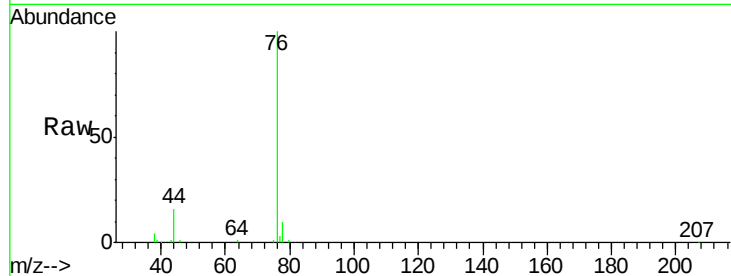
ClientSampled :

Tot Ion: 76 Resp: 54984

Ion Ratio Lower Upper

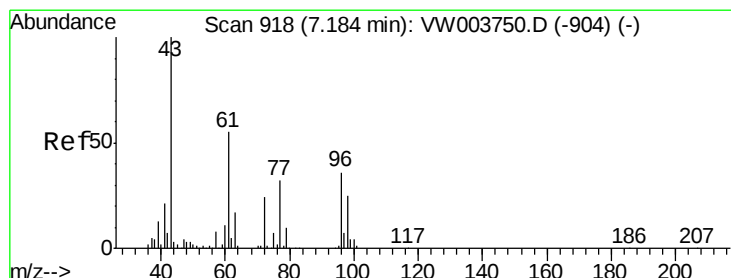
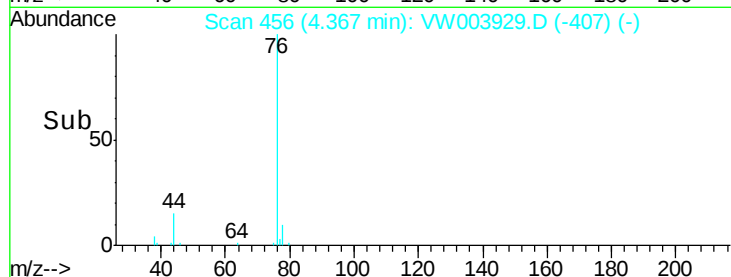
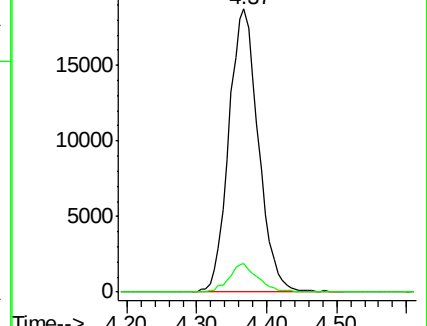
76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 17.603 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003929.D

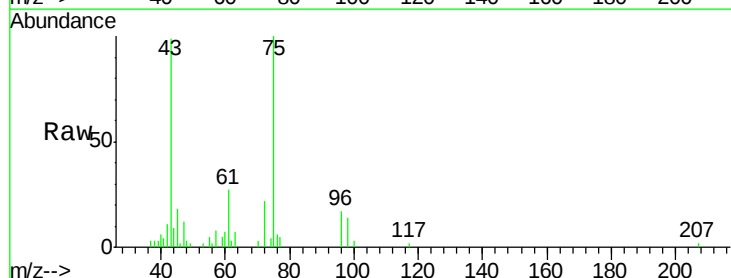
Acq: 13 Jul 2018 21:29

Tgt Ion: 43 Resp: 10617

Ion Ratio Lower Upper

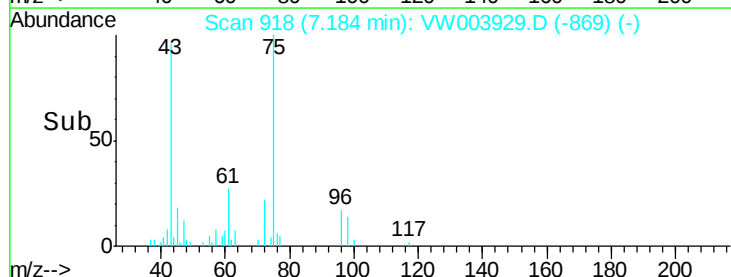
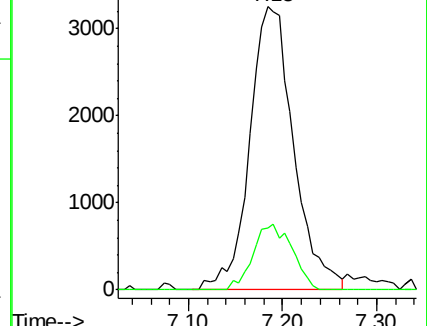
43 100

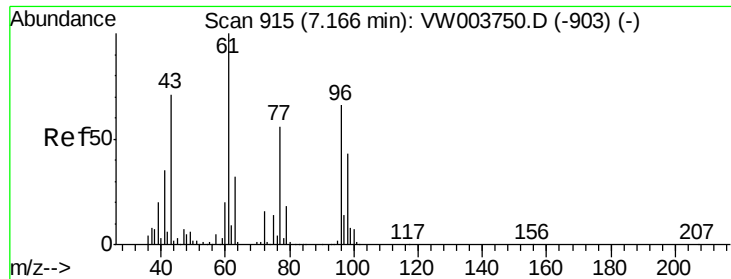
72 22.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



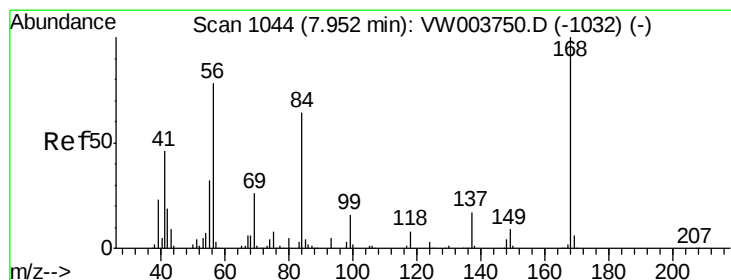
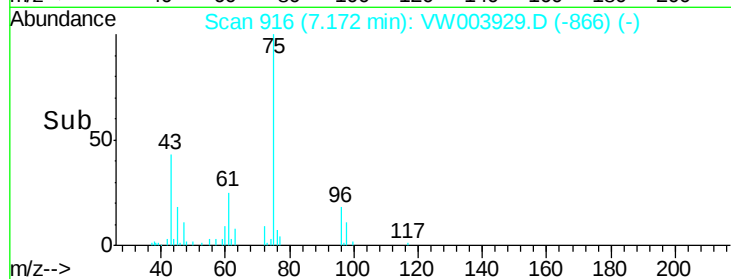
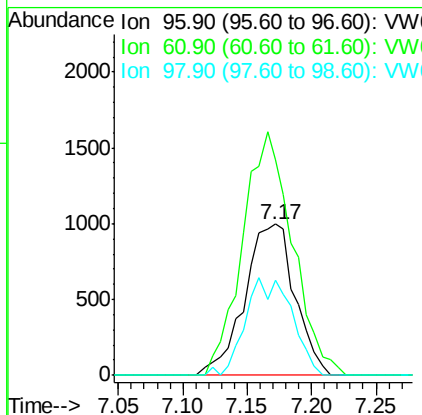
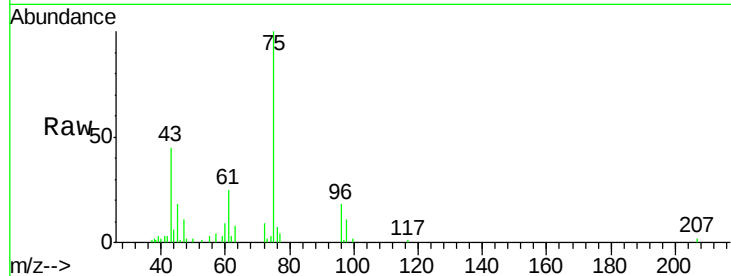


#27

cis-1,2-Dichloroethene
 Concen: 1.292 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

Instrument :
 MSVOA_W
 ClientSampleId :

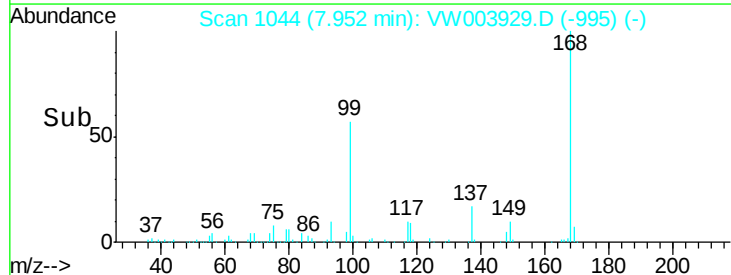
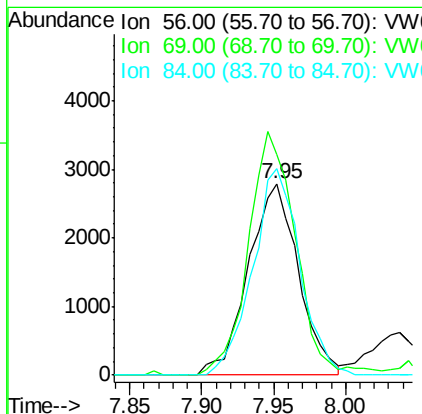
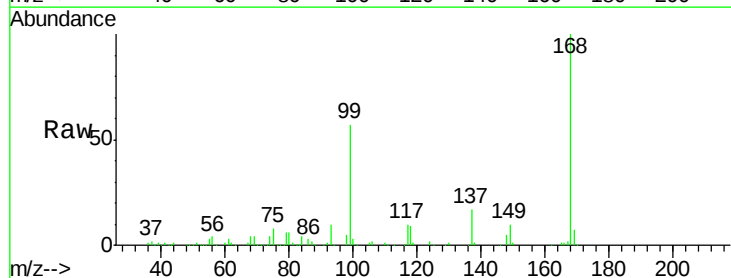
Tot Ion	96	Resp	2696
Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	300.8
98	59.6	0.0	128.6

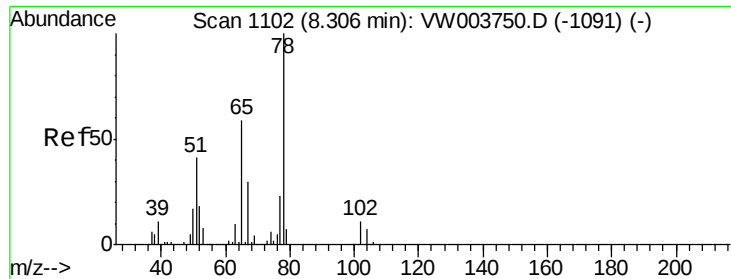


#31

Cyclohexane
 Concen: 2.083 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

Tgt Ion	56	Resp	6748
Ion	Ratio	Lower	Upper
56	100		
69	115.2	26.2	39.4#
84	108.0	65.5	98.3#

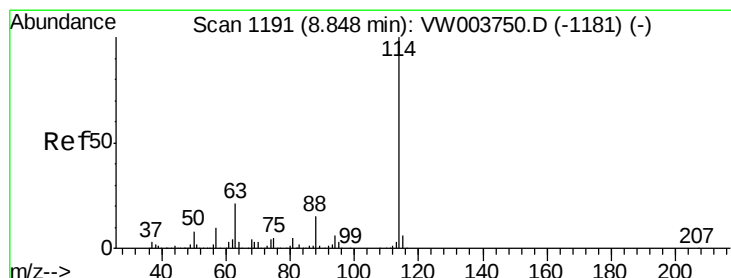
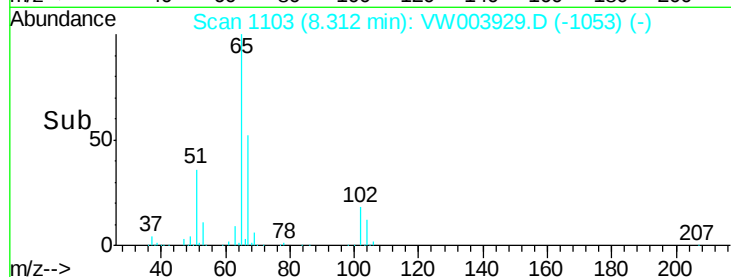
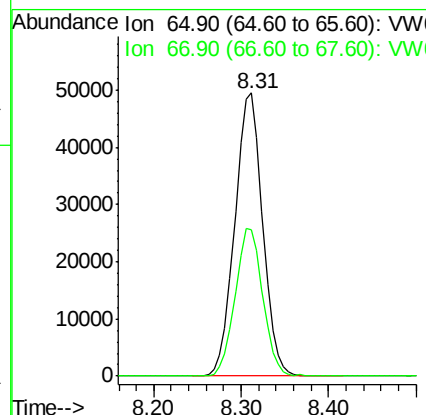
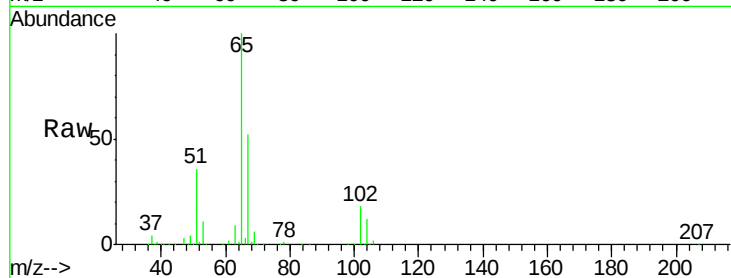




#33
 1,2-Dichloroethane-d4
 Concen: 49.318 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

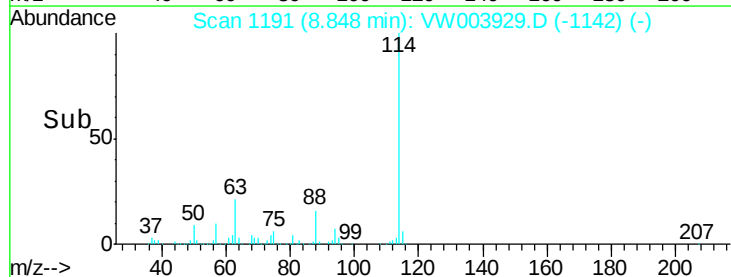
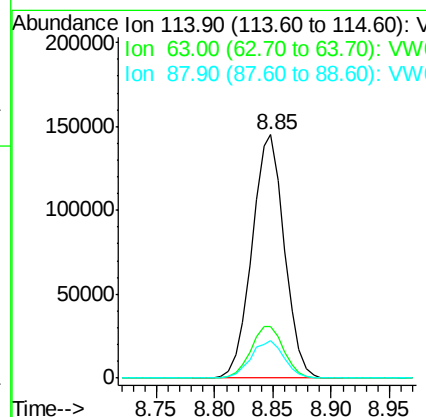
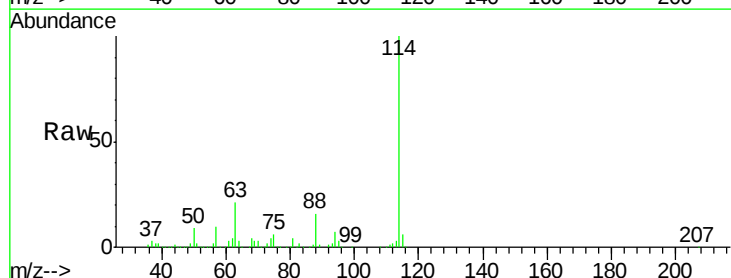
Instrument :
 MSVOA_W
 ClientSampled :

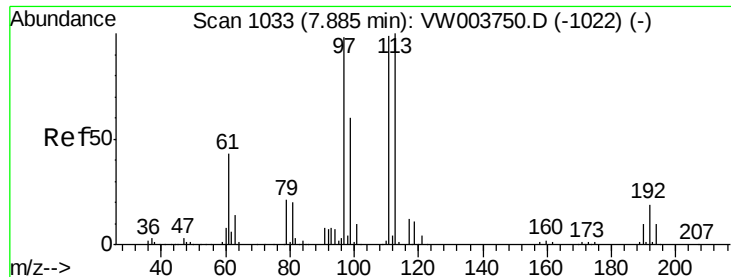
Tot Ion: 65 Resp: 109460
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

Tgt Ion: 114 Resp: 281594
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 15.6 0.0 30.2

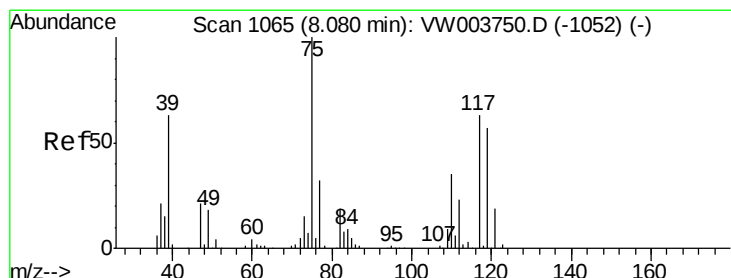
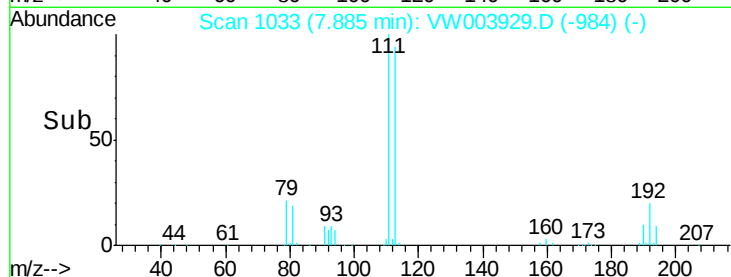
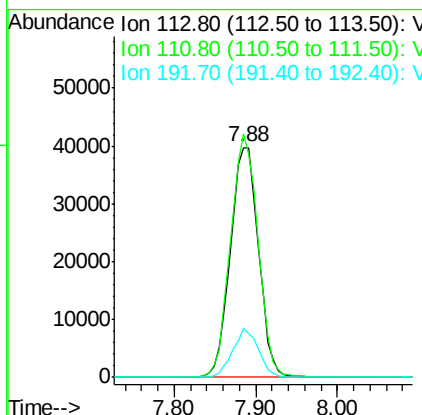
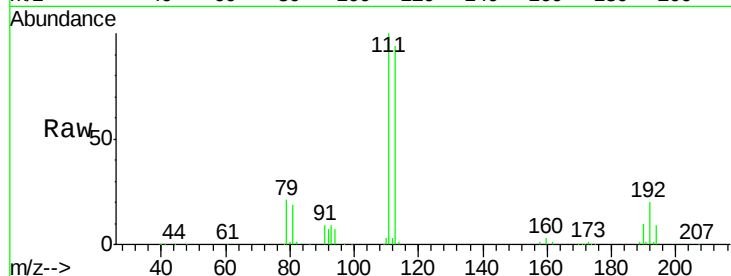




#35
 Dibromofluoromethane
 Concen: 47.867 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

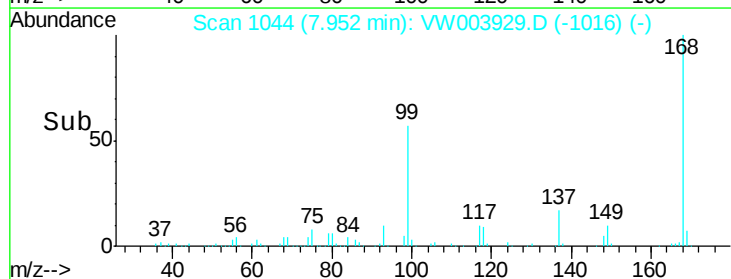
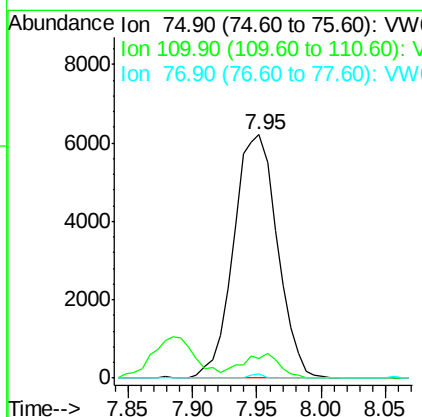
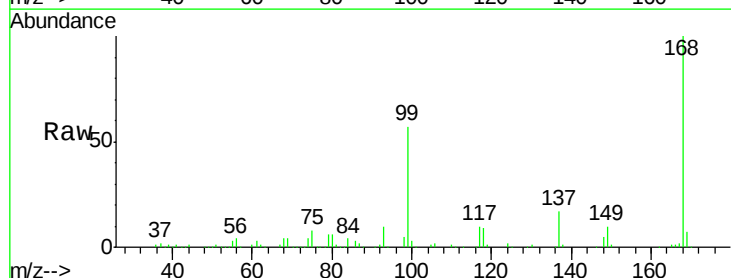
Instrument :
 MSVOA_W
 ClientSampled :

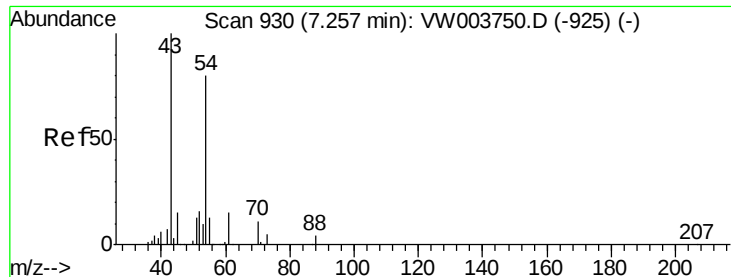
Tot Ion:113 Resp: 94337
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.7 122.5
 192 19.4 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

Tgt Ion: 75 Resp: 14618
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.4 24.8 37.2#

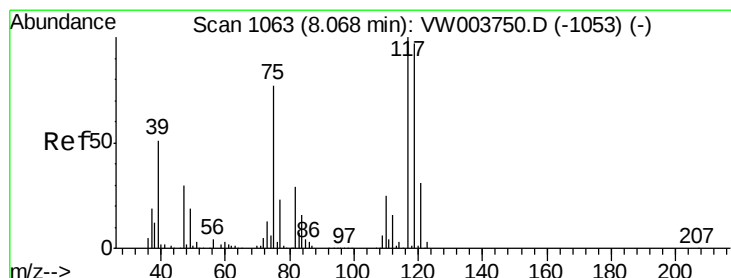
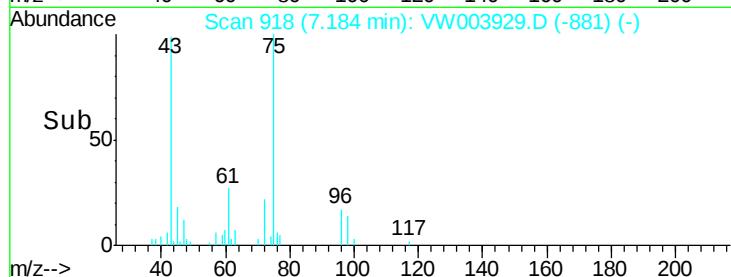
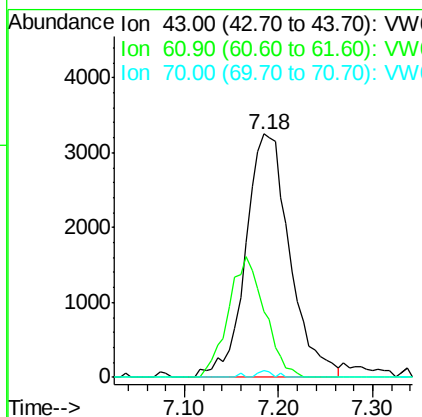
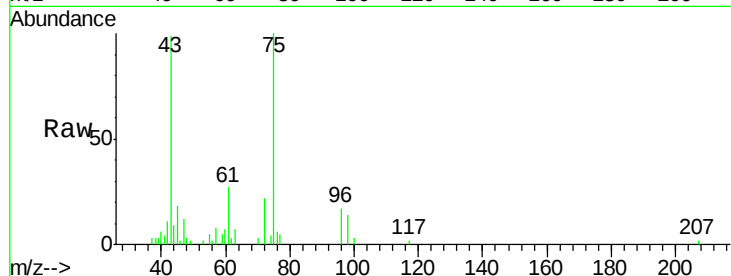




#37
Ethyl Acetate
Concen: 7.303 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.07 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

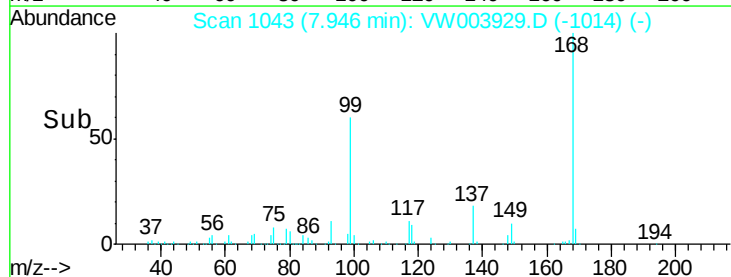
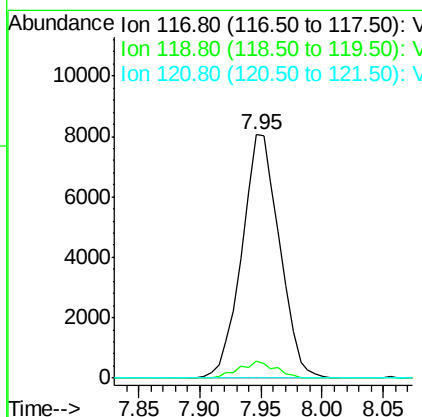
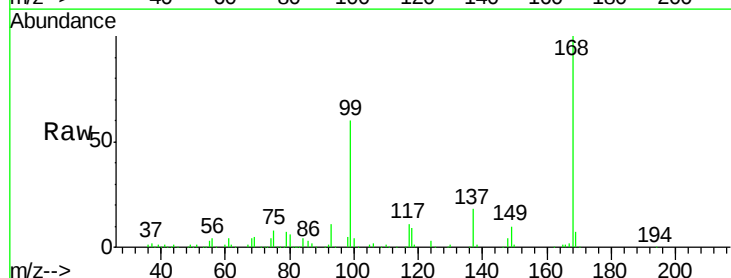
Instrument :
MSVOA_W
ClientSampleId :

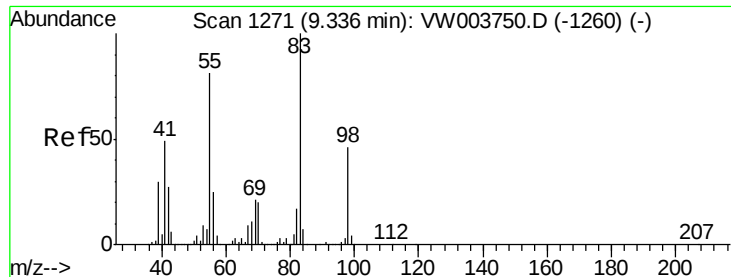
Tot Ion: 43 Resp: 10617
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 1.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 6.080 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

Tgt Ion: 117 Resp: 17271
Ion Ratio Lower Upper
117 100
119 7.0 77.4 116.2#
121 0.0 24.6 37.0#

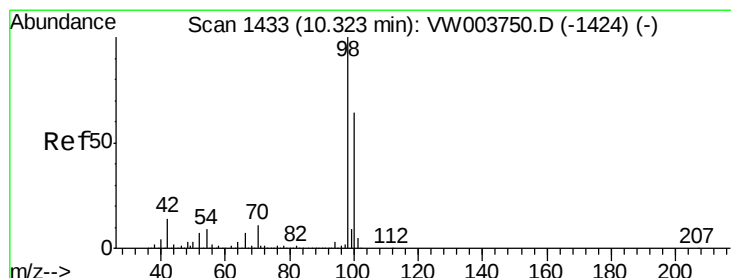
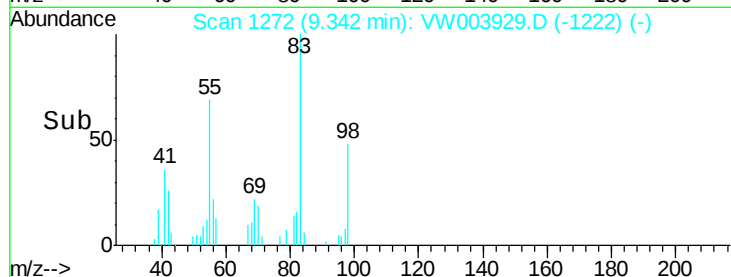
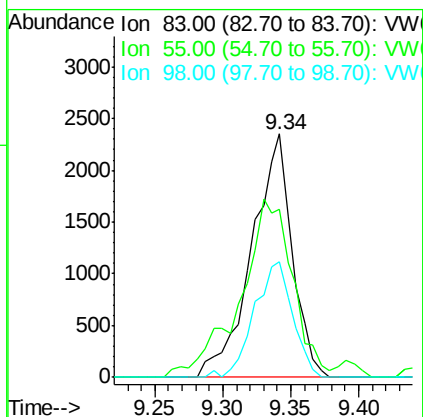
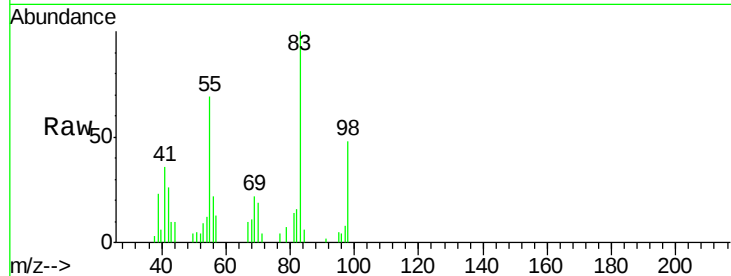




#39
Methylcyclohexane
Concen: 1.492 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

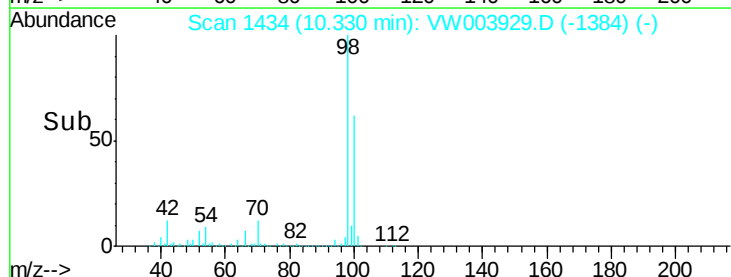
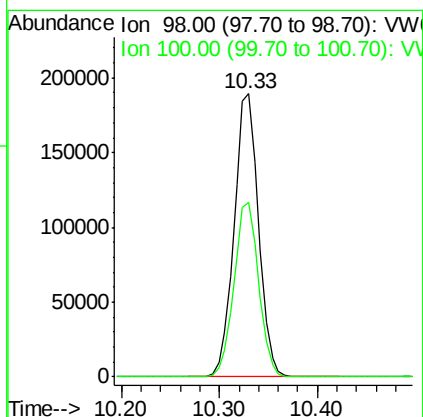
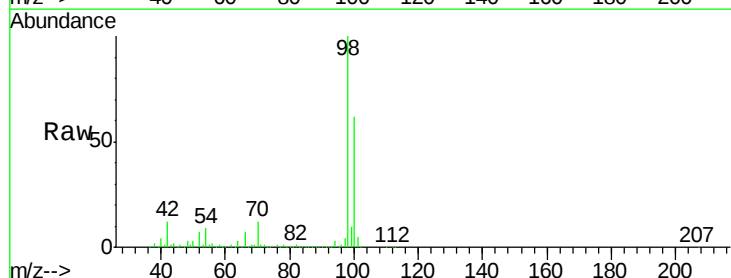
Instrument :
MSVOA_W
ClientSampleId :

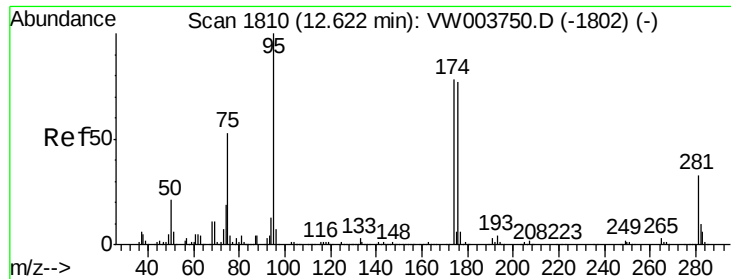
Tot Ion: 83 Resp: 4881
Ion Ratio Lower Upper
83 100
55 65.4 65.1 97.7
98 47.6 36.7 55.1



#50
Toluene-d8
Concen: 43.349 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

Tgt Ion: 98 Resp: 326804
Ion Ratio Lower Upper
98 100
100 62.2 50.8 76.2

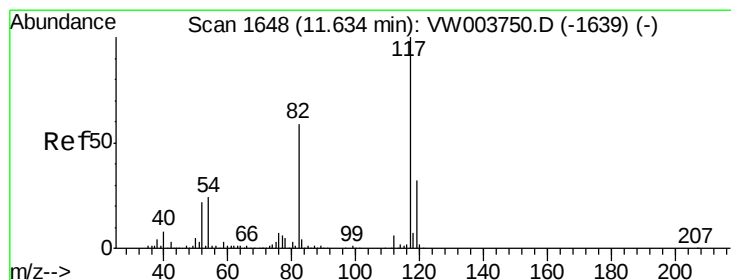
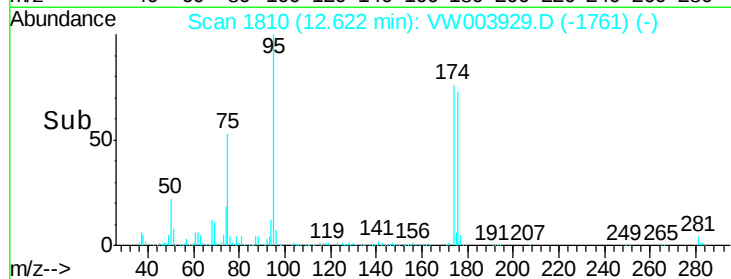
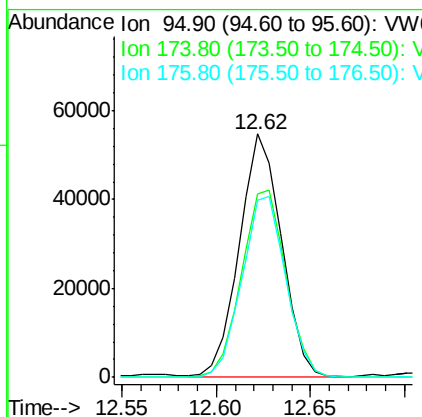
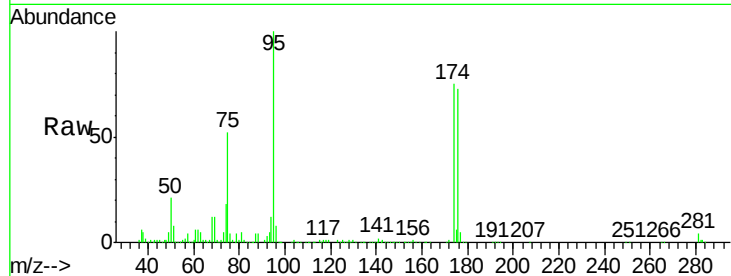




#62
4-Bromofluorobenzene
Concen: 30.874 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

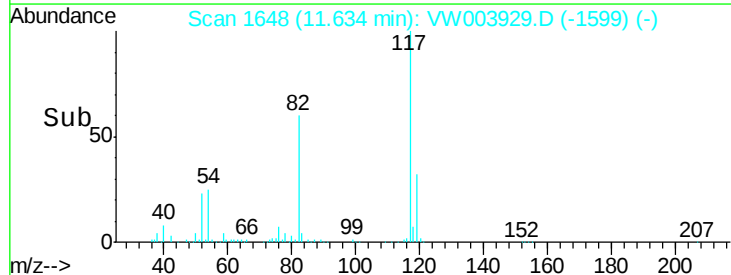
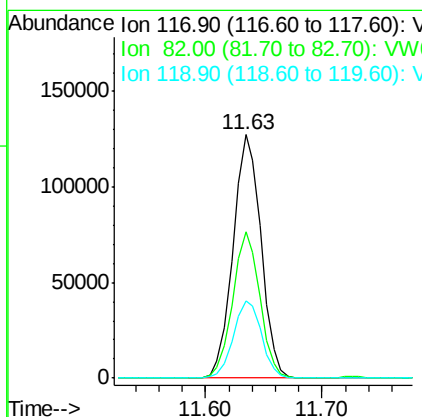
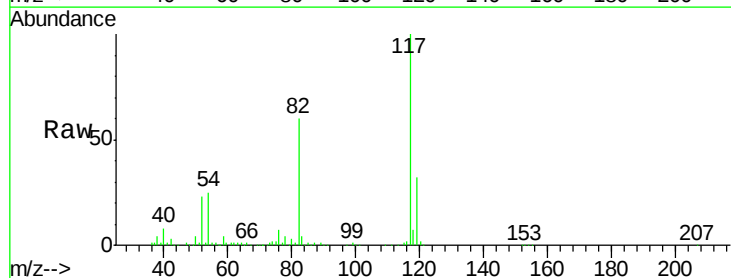
Instrument :
MSVOA_W
ClientSampleId :

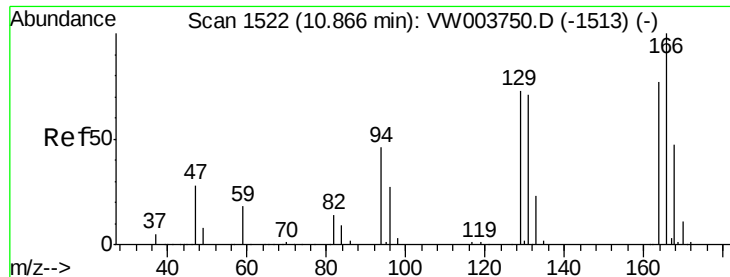
Tot Ion: 95 Resp: 84216
Ion Ratio Lower Upper
95 100
174 81.6 0.0 163.4
176 77.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003929.D
Acq: 13 Jul 2018 21:29

Tgt Ion: 117 Resp: 212897
Ion Ratio Lower Upper
117 100
82 59.8 46.9 70.3
119 31.8 25.5 38.3





#64

Tetrachloroethene

Concen: 1.365 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 2150

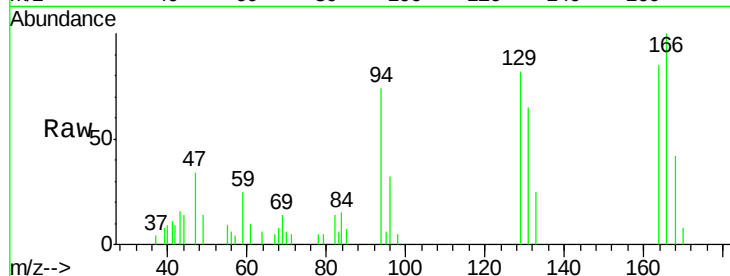
Ion Ratio Lower Upper

164 100

166 117.6 104.2 156.4

129 96.9 75.8 113.8

131 76.9 73.5 110.3

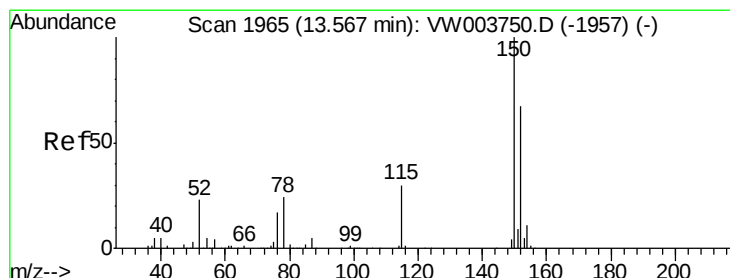
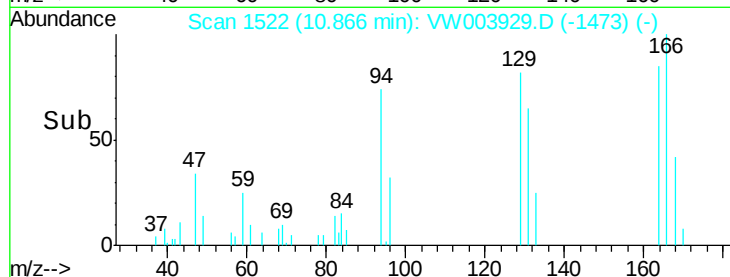
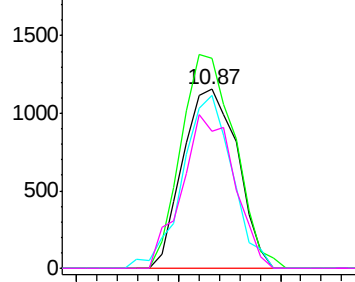


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

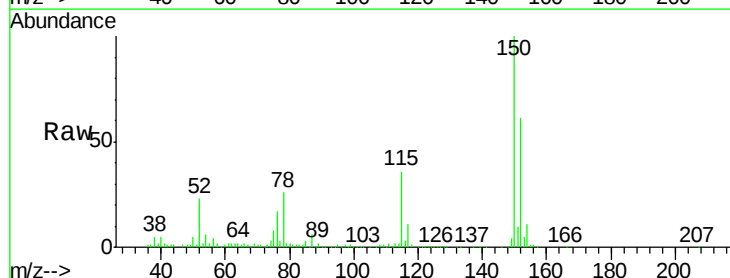
Tgt Ion:152 Resp: 64829

Ion Ratio Lower Upper

152 100

115 60.2 28.9 86.8

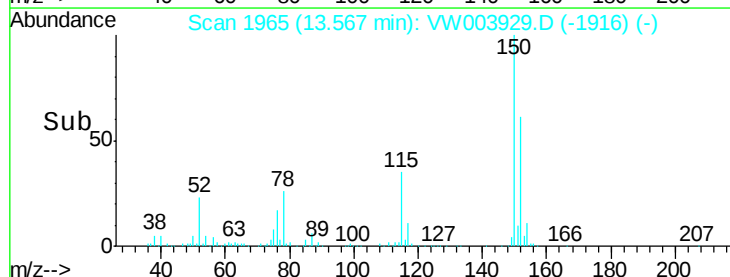
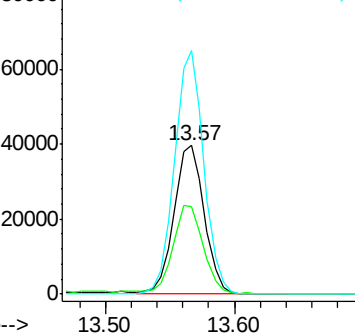
150 158.6 0.0 342.4

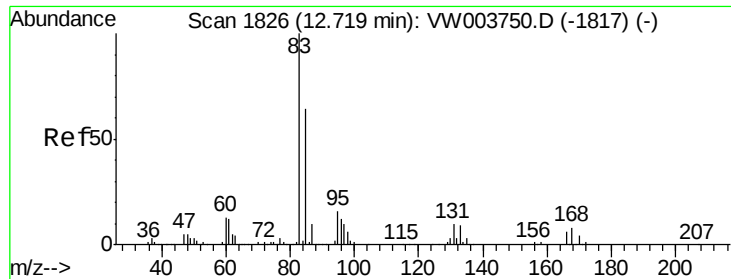


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.363 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

Instrument :

MSVOA_W

ClientSampled :

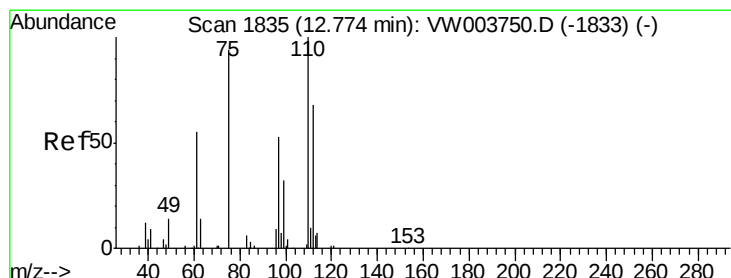
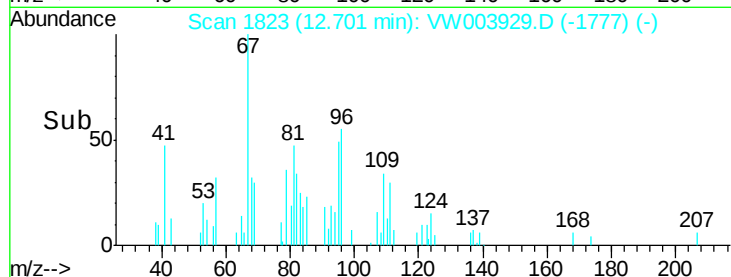
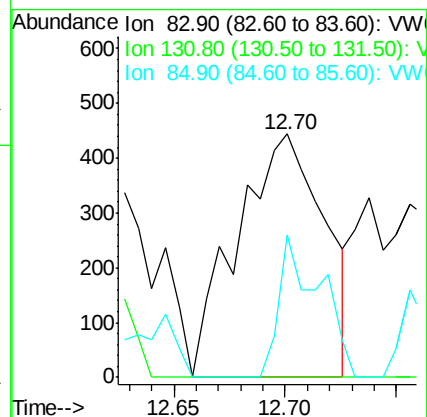
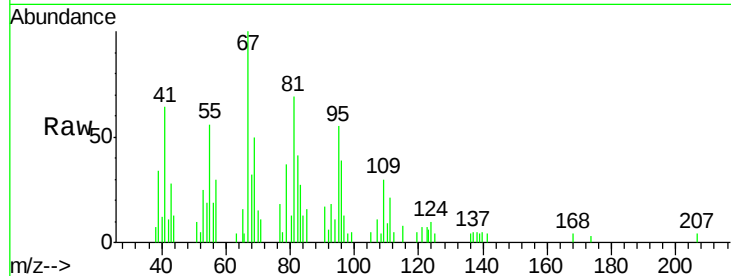
Tot Ion: 83 Resp: 1213

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 27.5 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 70.915 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003929.D

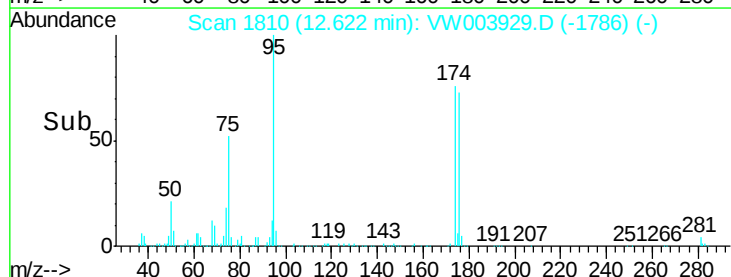
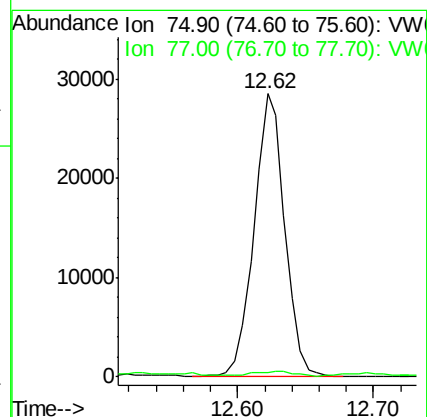
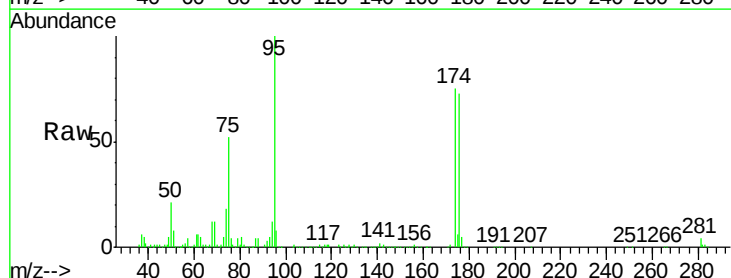
Acq: 13 Jul 2018 21:29

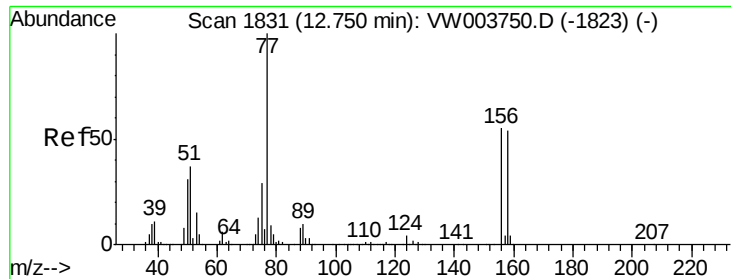
Tgt Ion: 75 Resp: 45145

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#





#77

Bromobenzene

Concen: 17.907 ug/l

RT: 12.95 min Scan# 1863

Delta R.T. 0.20 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :

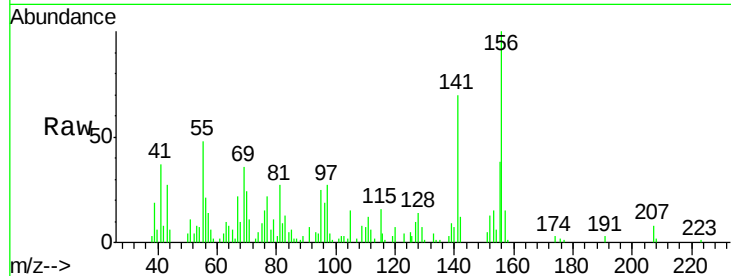
Tot Ion:156 Resp: 19518

Ion Ratio Lower Upper

156 100

77 11.5 98.7 296.0#

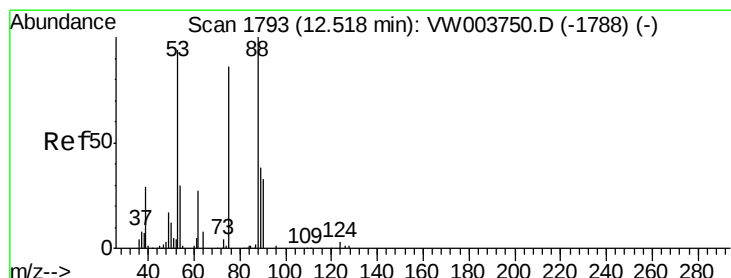
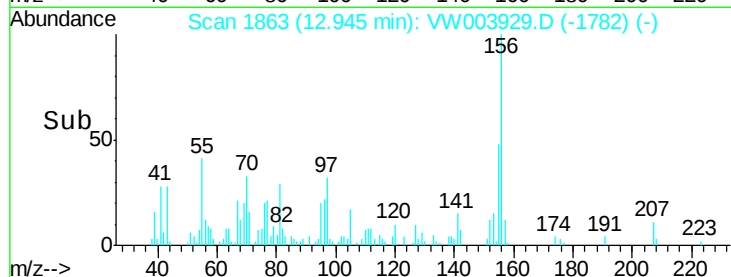
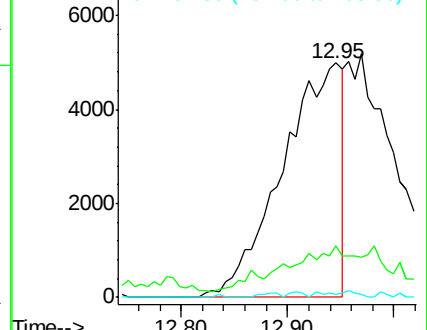
158 0.7 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 173.474 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

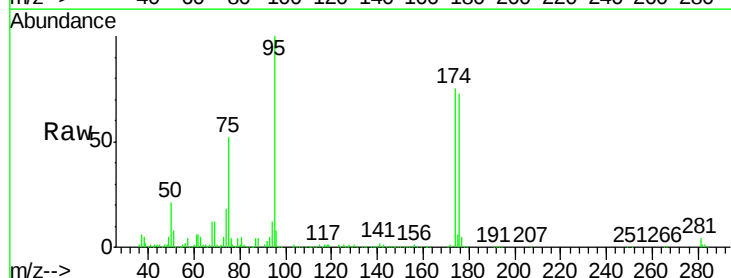
Tgt Ion: 75 Resp: 45145

Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

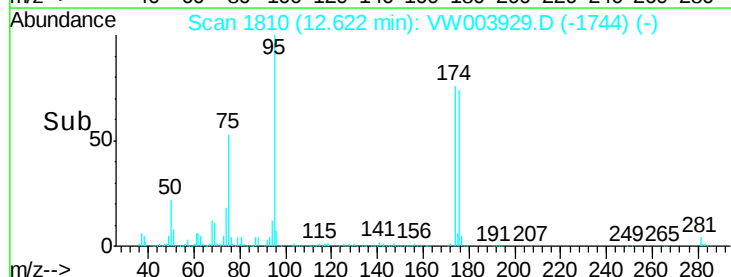
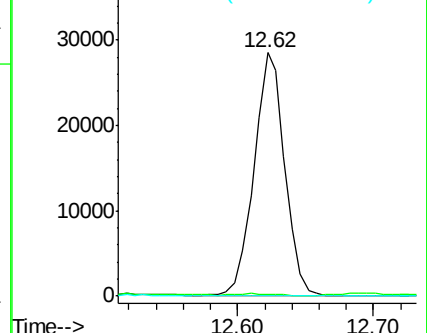
89 0.1 36.3 54.5#

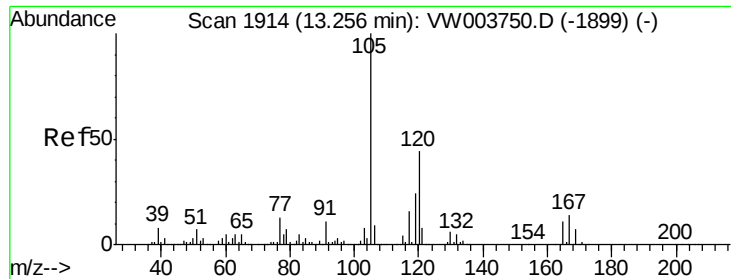


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

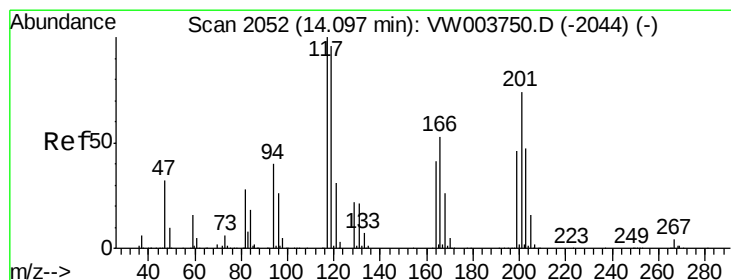
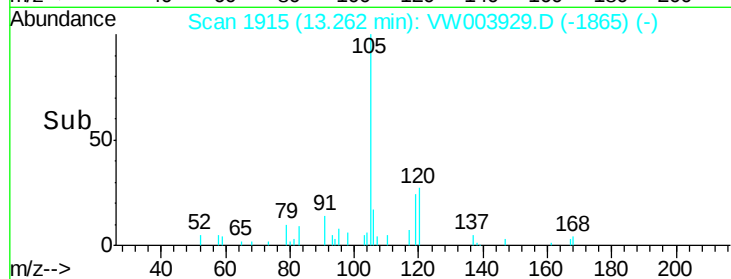
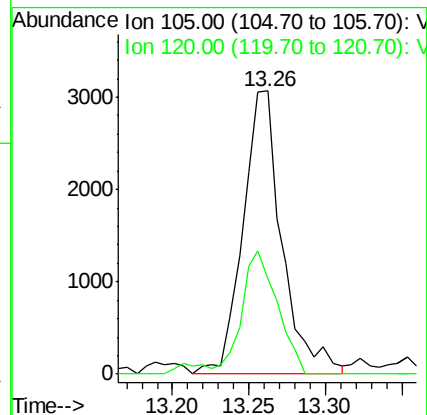
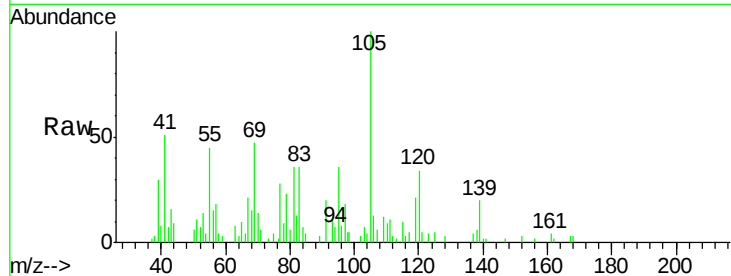




#84
 1,2,4-Trimethylbenzene
 Concen: 1.386 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

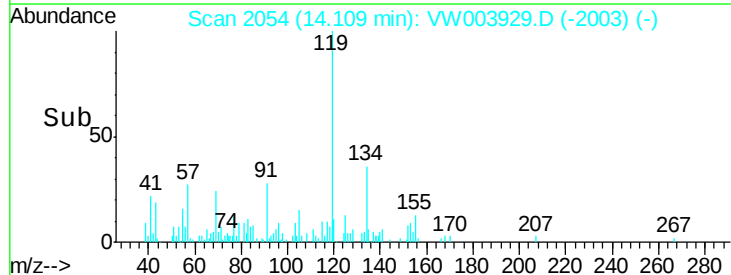
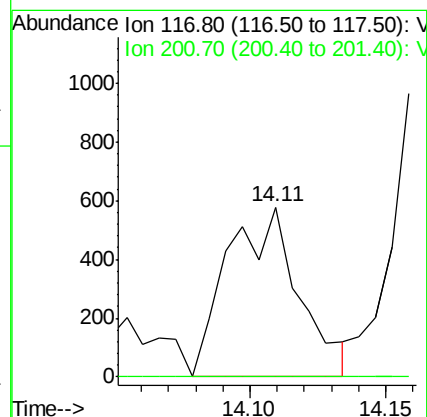
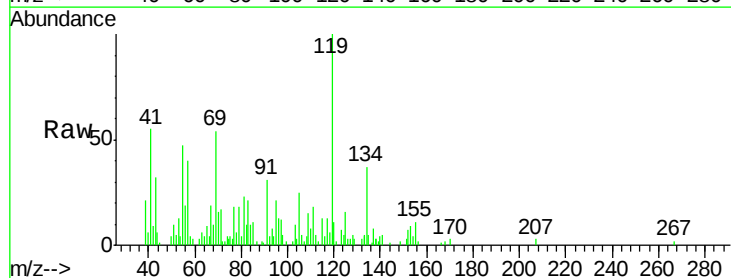
Instrument :
 MSVOA_W
 ClientSampleId :

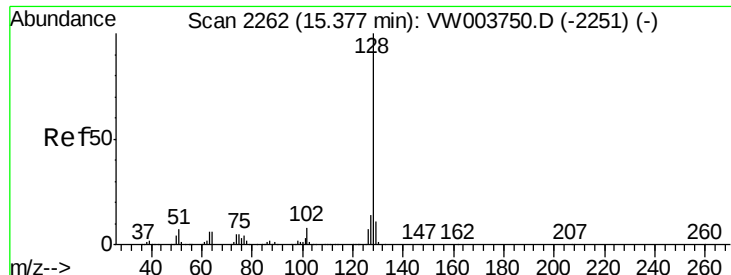
Tot Ion:105 Resp: 5447
 Ion Ratio Lower Upper
 105 100
 120 39.7 22.0 66.0



#90
 Hexachloroethane
 Concen: 1.343 ug/l
 RT: 14.11 min Scan# 2054
 Delta R.T. 0.01 min
 Lab File: VW003929.D
 Acq: 13 Jul 2018 21:29

Tgt Ion:117 Resp: 1055
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.2 117.6#





#95

Naphthalene

Concen: 6.895 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

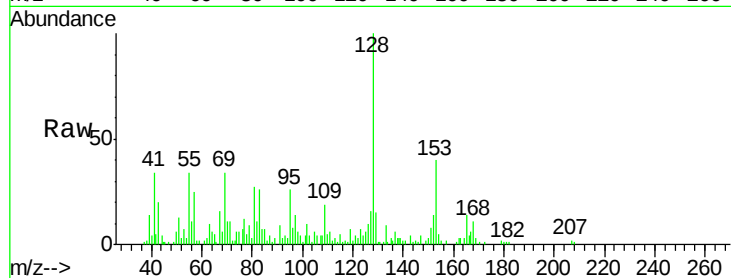
Lab File: VW003929.D

Acq: 13 Jul 2018 21:29

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	16579
Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.8	16.2#
129	10.3	8.6	13.0

