

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005260.D
 Acq On : 10 Sep 2018 23:51
 Operator : SY/AP
 Sample : J4838-04
 Misc : 5.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-1

Quant Time: Sep 11 03:53:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	478724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	725304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	689852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	298329	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	171228	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	7.89	113	157077	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	
50) Toluene-d8	10.33	98	695373	36.22	ug/l	0.00
Spiked Amount			Recovery	=	72.44%	
62) 4-Bromofluorobenzene	12.63	95	231463	32.96	ug/l	0.00
Spiked Amount			Recovery	=	65.92%	

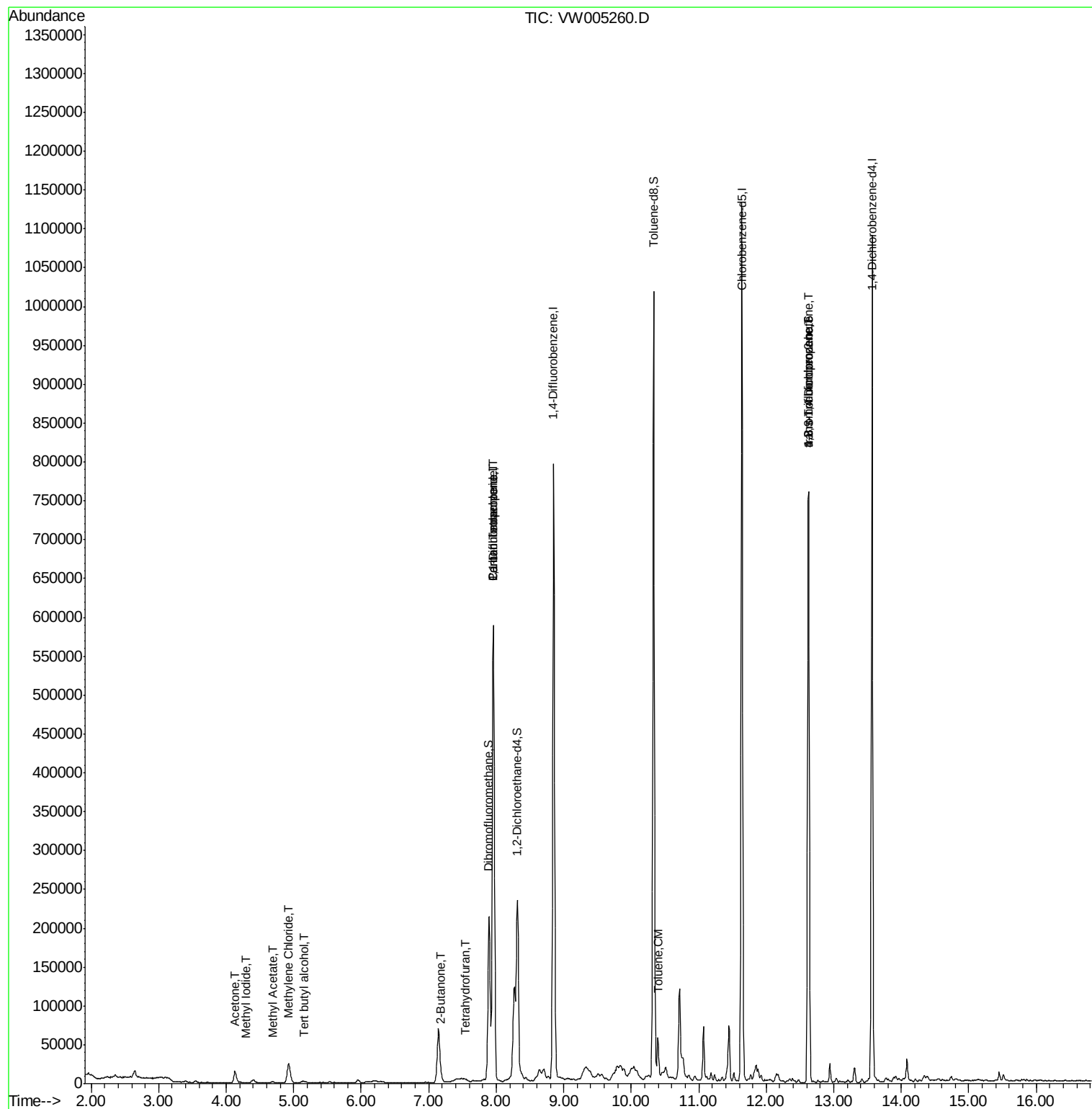
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	287	Below Cal		84
10) Methyl Iodide	4.29	142	404	3.401	ug/l #	55
11) Tert butyl alcohol	5.15	59	3760	12.841	ug/l #	73
16) Acetone	4.13	43	25010	37.736	ug/l	98
18) Methyl Acetate	4.68	43	2864	1.448	ug/l	91
20) Methylene Chloride	4.93	84	21263	1.096	ug/l	98
25) 2-Butanone	7.18	43	10154	9.713	ug/l	95
29) Tetrahydrofuran	7.54	42	822	1.167	ug/l #	83
36) 1,1-Dichloropropene	7.96	75	31281	4.707	ug/l #	48
38) Carbon Tetrachloride	7.96	117	42950	6.900	ug/l #	16
52) Toluene	10.40	92	22601	1.588	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	107490	46.845	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	107490	109.861	ug/l #	16

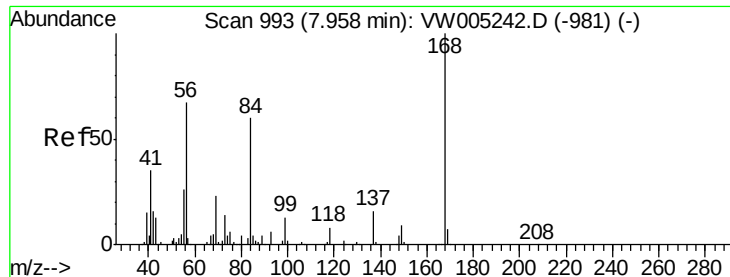
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005260.D

Acq: 10 Sep 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

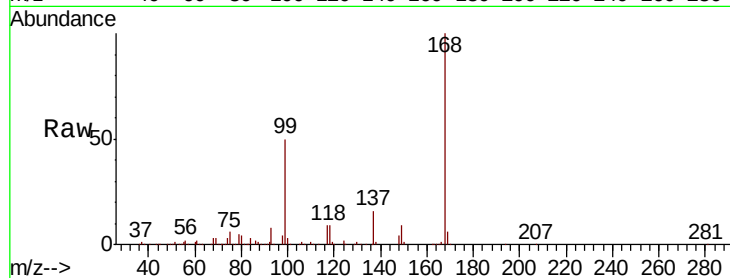
SUP-1B-G-090718-1

Tgt Ion:168 Resp: 478724

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

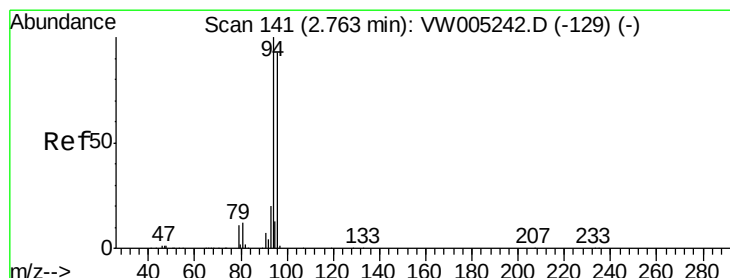
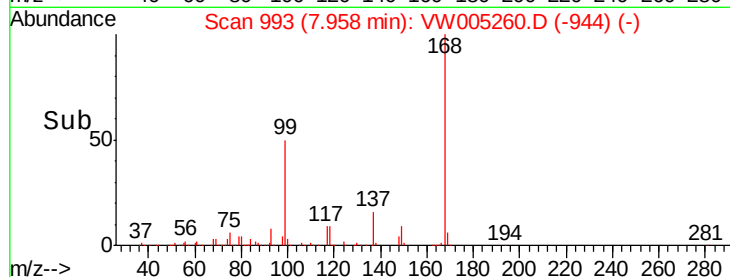
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005260.D

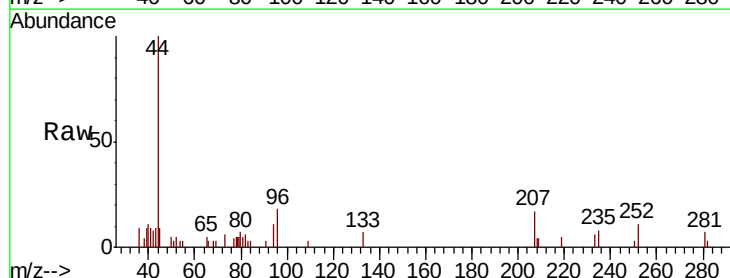
Acq: 10 Sep 2018 23:51

Tgt Ion: 94 Resp: 287

Ion Ratio Lower Upper

94 100

96 77.6 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

300

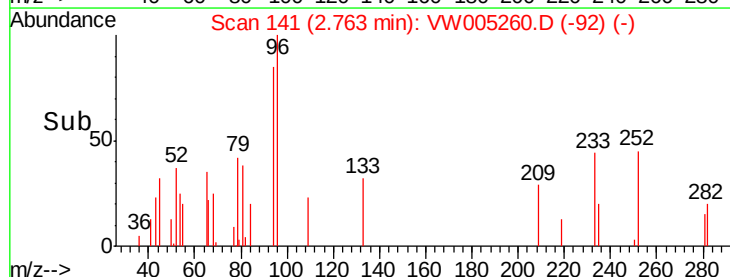
200

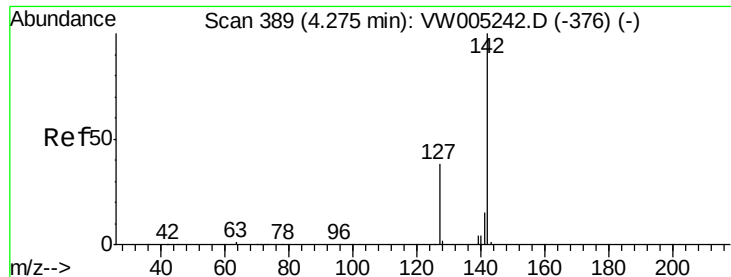
100

0

2.74 2.76 2.78

Time-->

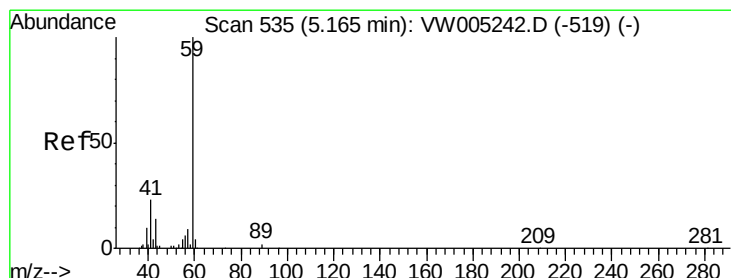
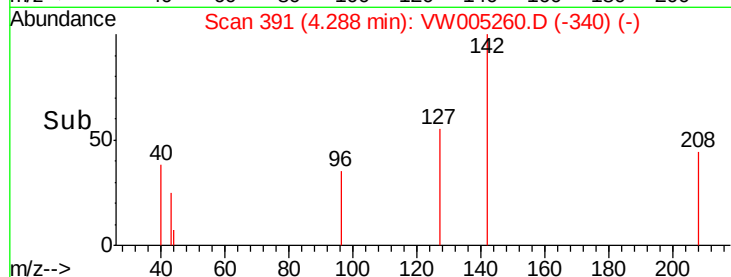
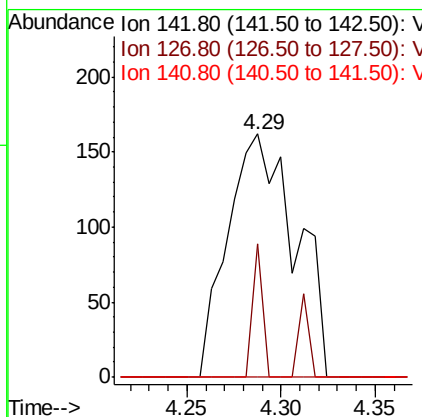
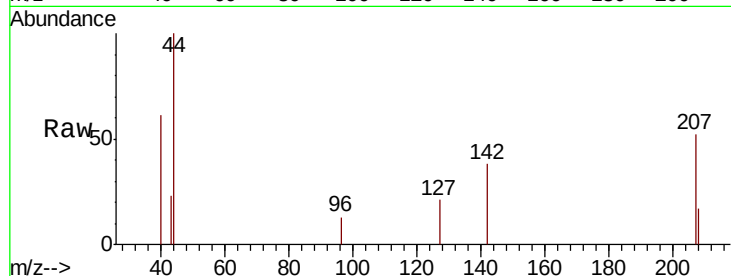




#10
Methyl Iodide
Concen: 3.401 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

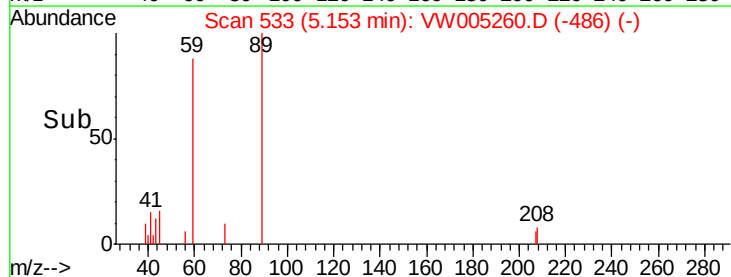
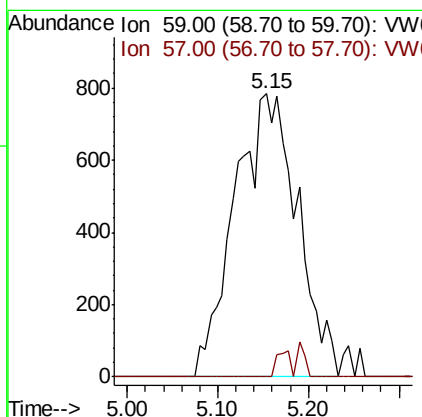
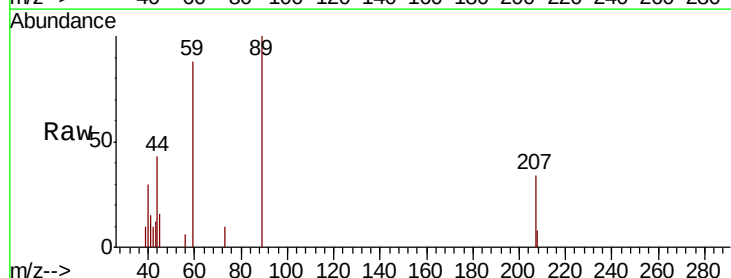
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-1

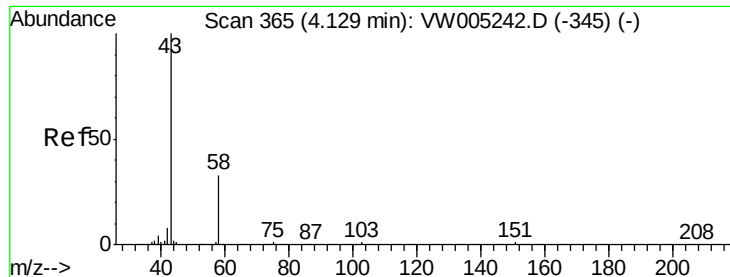
Tgt Ion: 142 Resp: 404
Ion Ratio Lower Upper
142 100
127 8.2 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 12.841 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

Tgt Ion: 59 Resp: 3760
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 37.736 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005260.D

Acq: 10 Sep 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

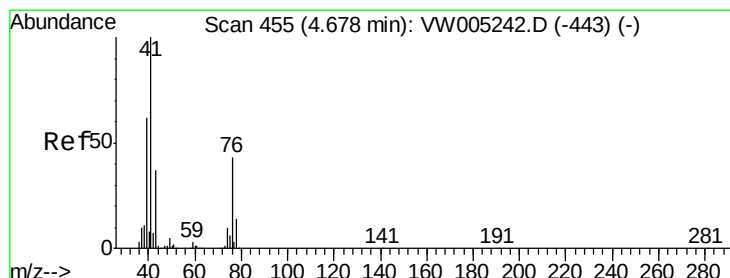
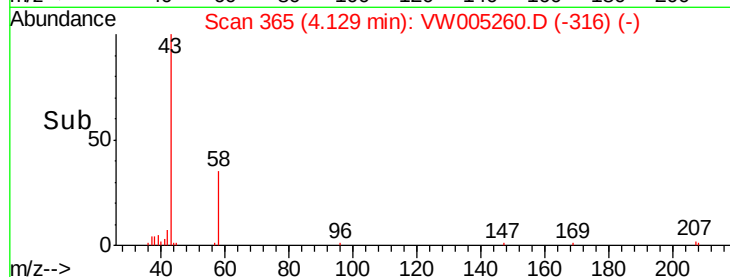
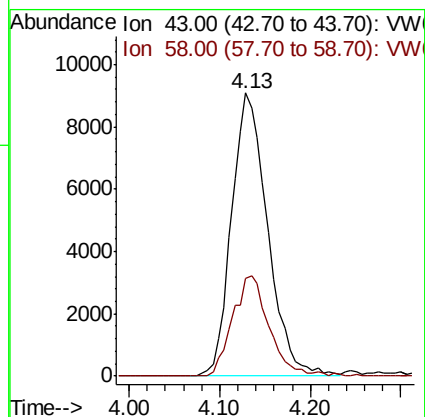
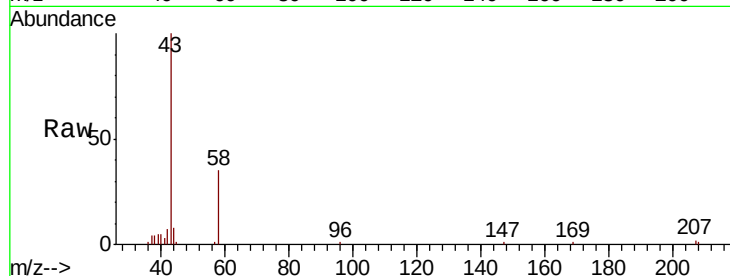
SUP-1B-G-090718-1

Tgt Ion: 43 Resp: 25010

Ion Ratio Lower Upper

43 100

58 34.7 26.7 40.1



#18

Methyl Acetate

Concen: 1.448 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005260.D

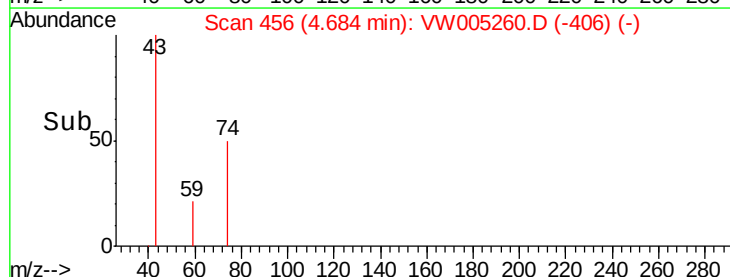
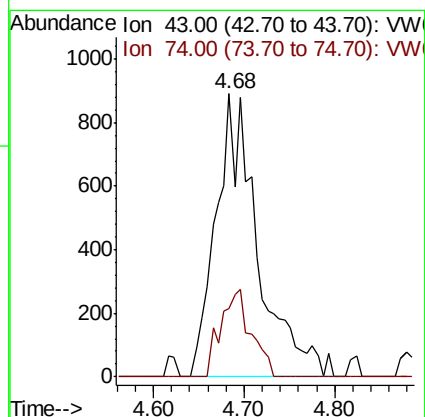
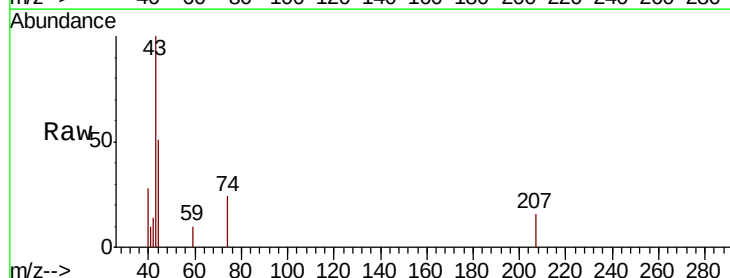
Acq: 10 Sep 2018 23:51

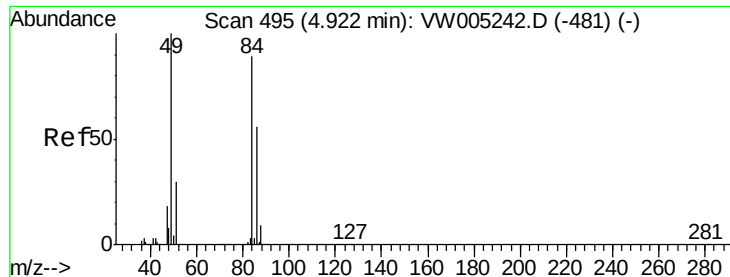
Tgt Ion: 43 Resp: 2864

Ion Ratio Lower Upper

43 100

74 22.3 21.4 32.2





#20

Methylene Chloride

Concen: 1.096 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW005260.D

Acq: 10 Sep 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-1

Tgt Ion: 84 Resp: 21263

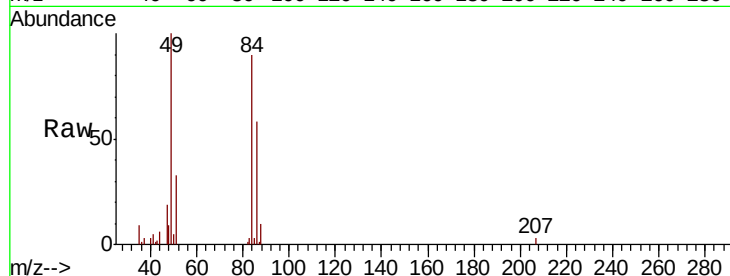
Ion Ratio Lower Upper

84 100

49 110.7 90.3 135.5

51 37.0 26.9 40.3

86 63.9 50.8 76.2



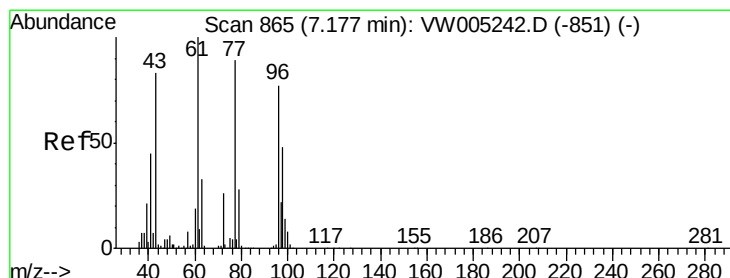
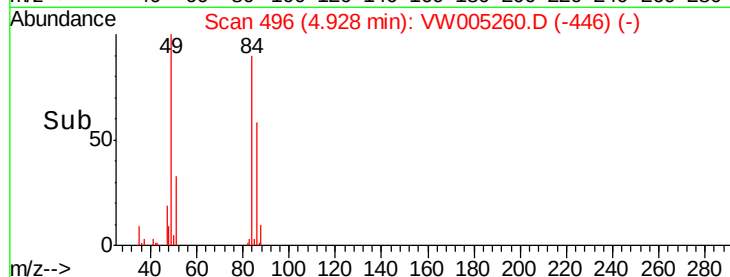
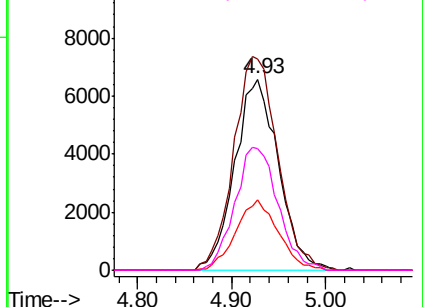
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 9.713 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005260.D

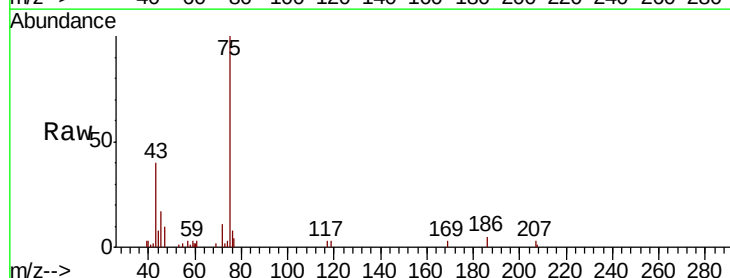
Acq: 10 Sep 2018 23:51

Tgt Ion: 43 Resp: 10154

Ion Ratio Lower Upper

43 100

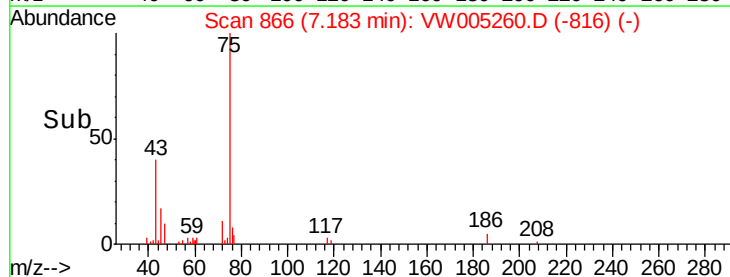
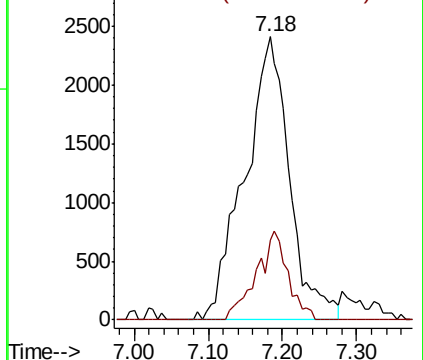
72 28.3 25.0 37.6

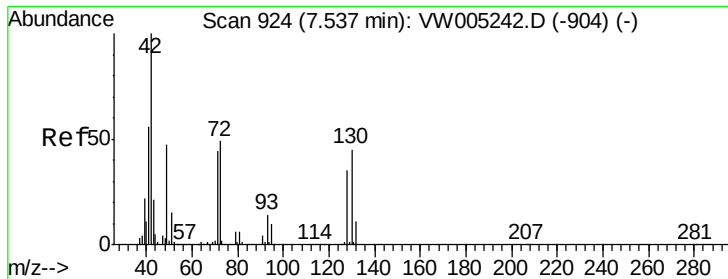


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

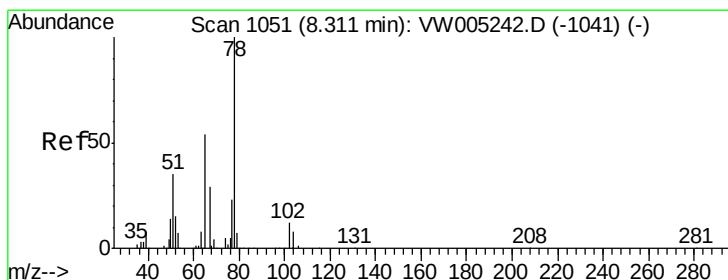
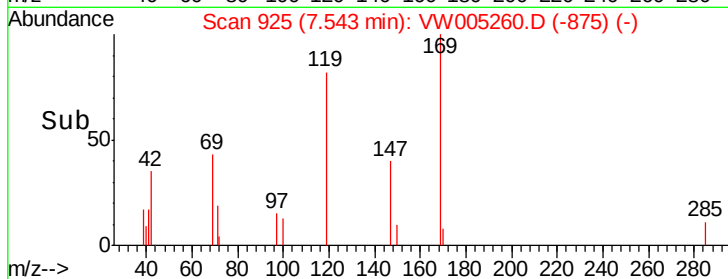
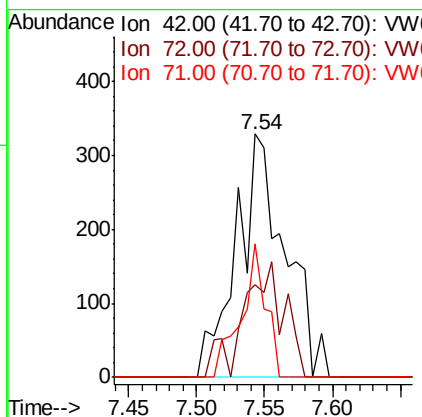
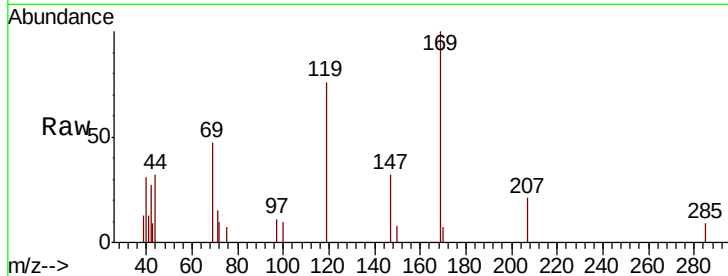




#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

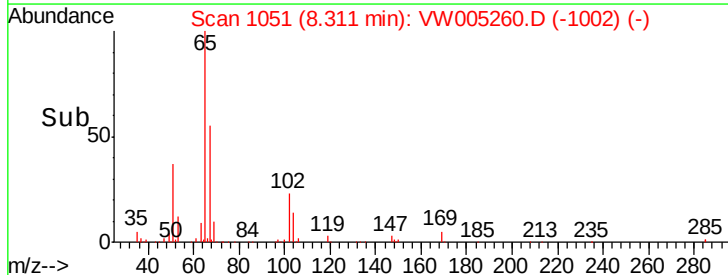
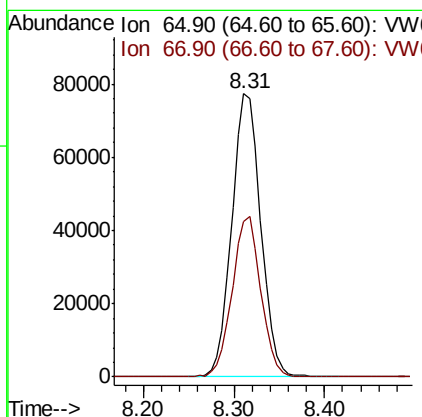
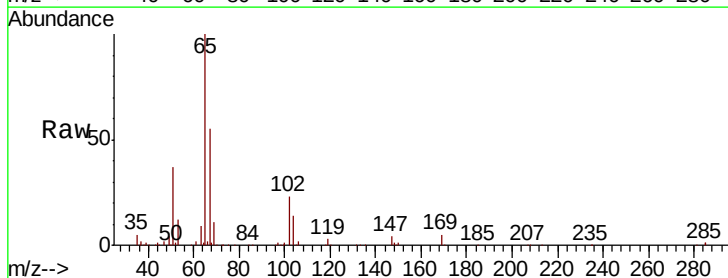
Instrument :
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SUP-1B-G-090718-1

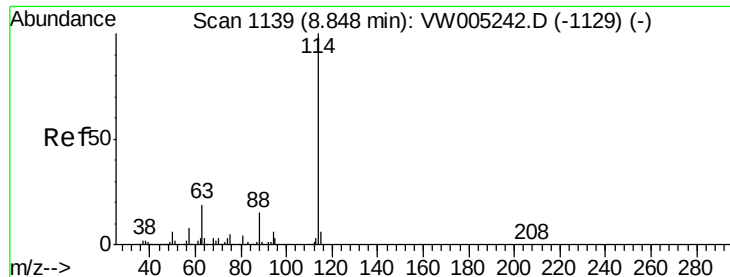
Tgt Ion: 42 Resp: 822
Ion Ratio Lower Upper
42 100
72 40.3 37.5 56.3
71 28.0 34.8 52.2#



#33
1,2-Dichloroethane-d4
Concen: 47.955 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

Tgt Ion: 65 Resp: 171228
Ion Ratio Lower Upper
65 100
67 56.1 0.0 112.2

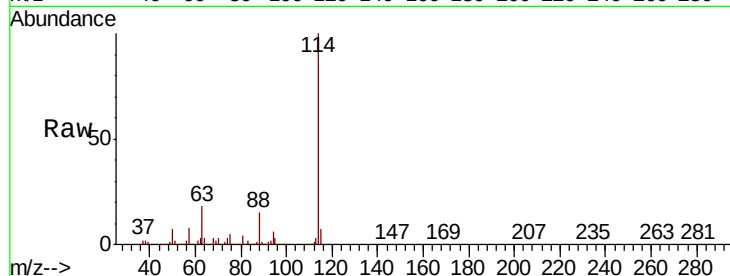




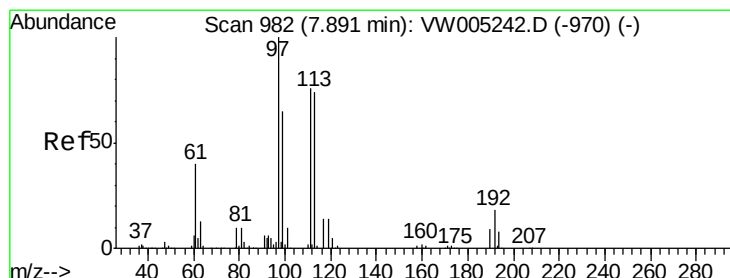
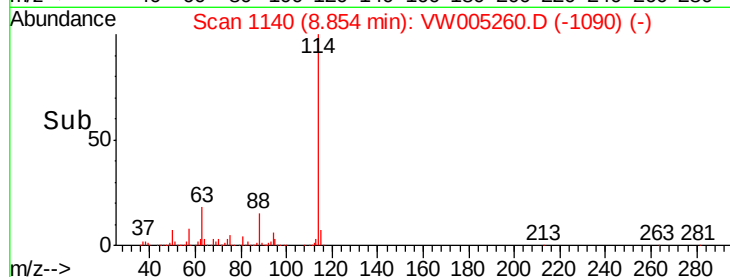
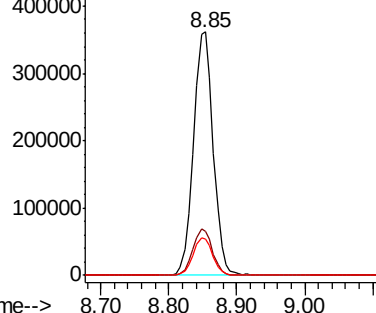
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	37.0
88	14.8	0.0	30.4

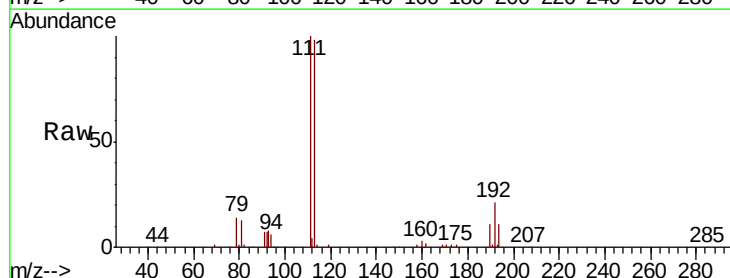


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

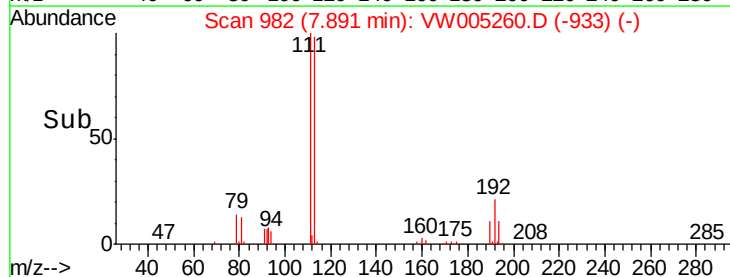
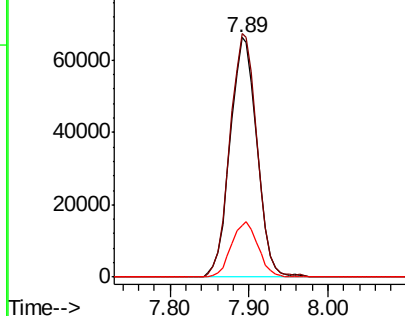


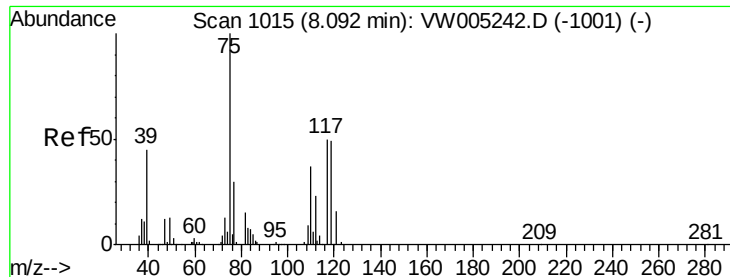
#35
 Dibromofluoromethane
 Concen: 41.343 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	121.0
192	22.7	18.3	27.5



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

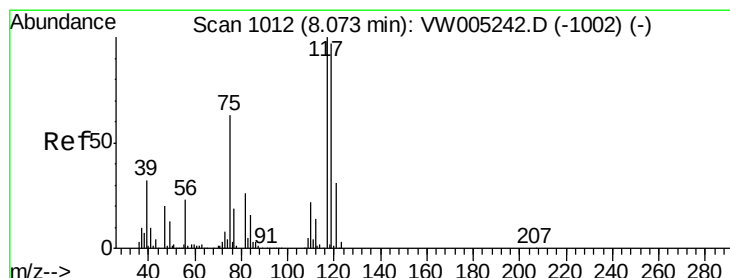
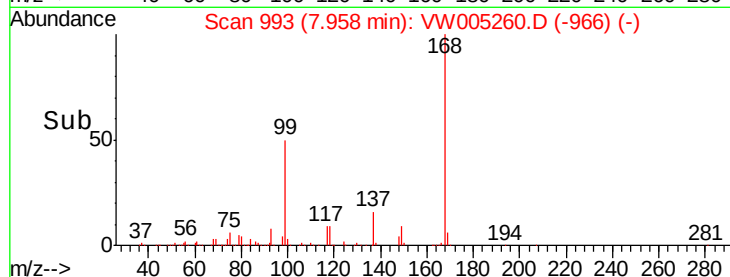
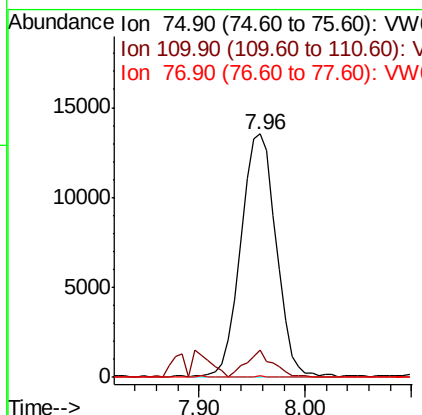
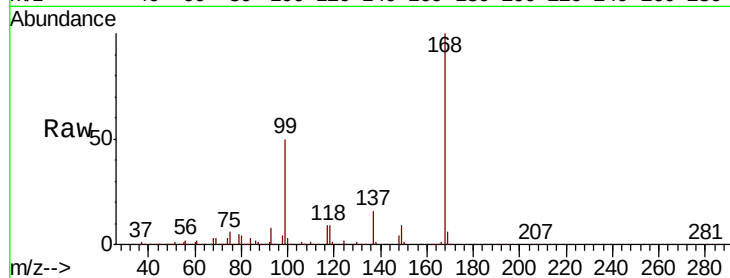




#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

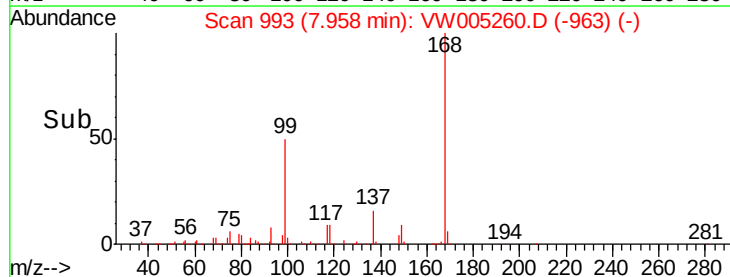
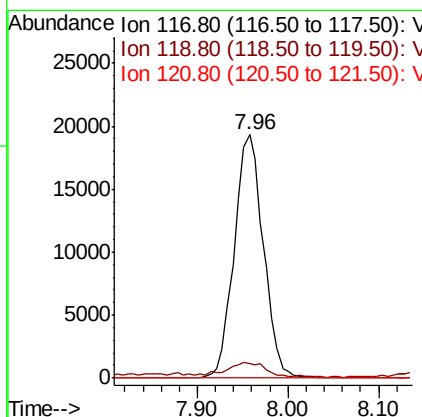
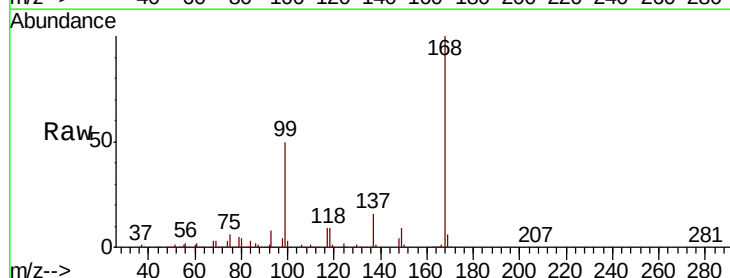
Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-1

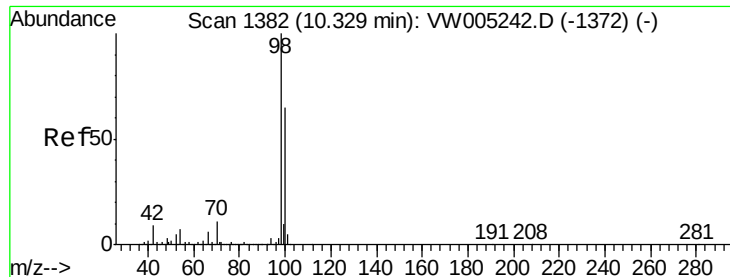
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.8	56.4#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.900 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 36.219 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005260.D

Acq: 10 Sep 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

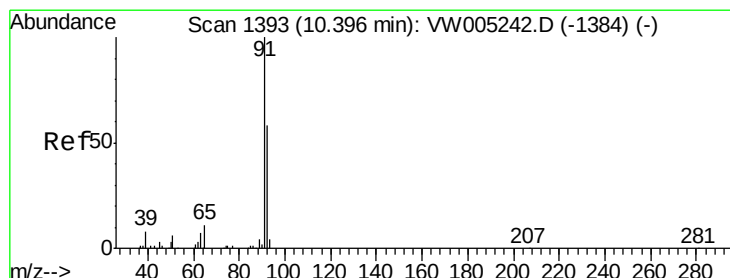
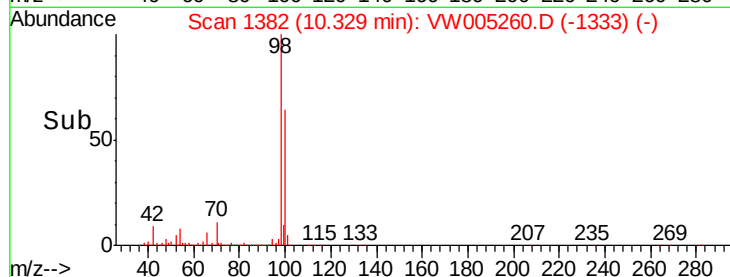
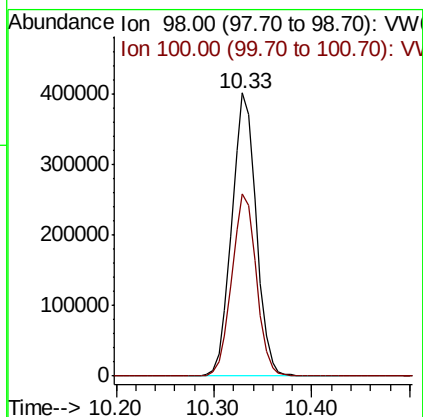
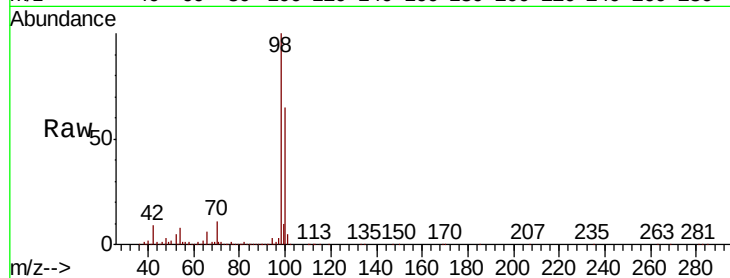
SUP-1B-G-090718-1

Tgt Ion: 98 Resp: 695373

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#52

Toluene

Concen: 1.588 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005260.D

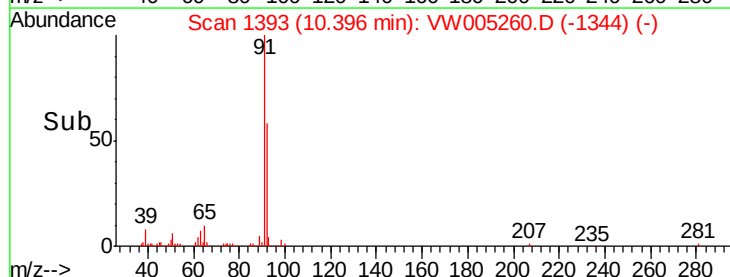
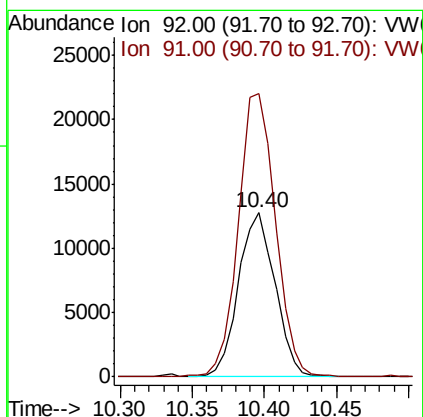
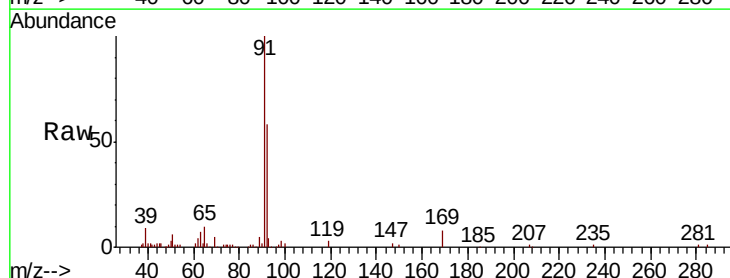
Acq: 10 Sep 2018 23:51

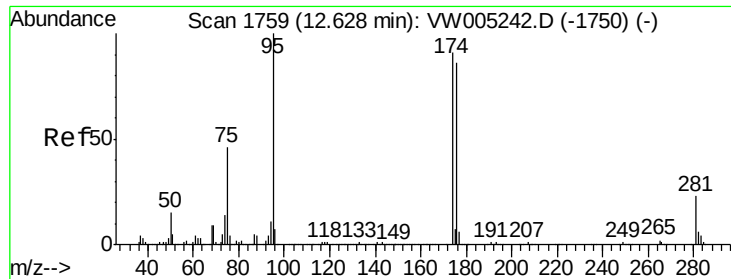
Tgt Ion: 92 Resp: 22601

Ion Ratio Lower Upper

92 100

91 174.9 137.4 206.0

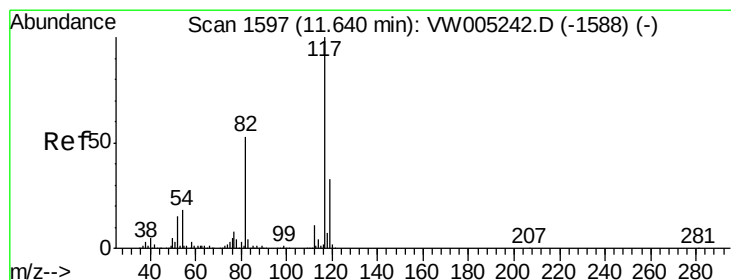
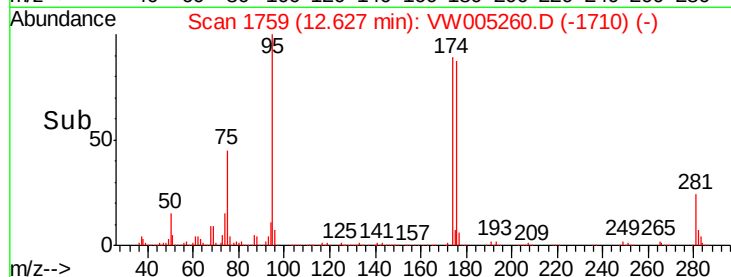
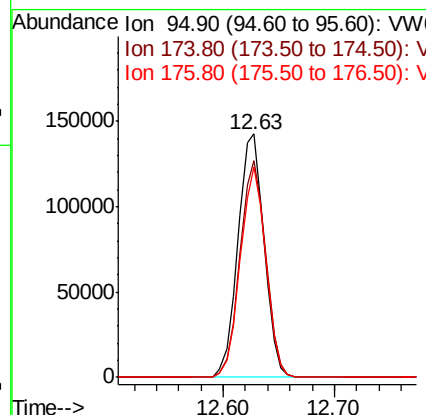
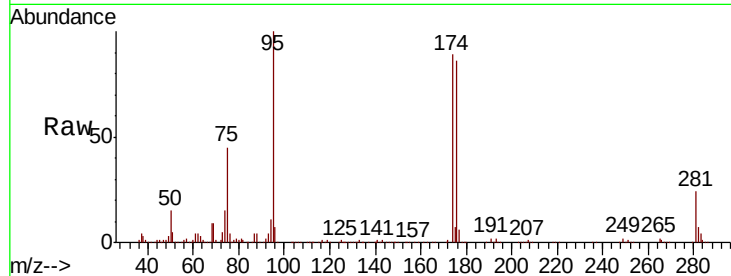




#62
4-Bromofluorobenzene
Concen: 32.960 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

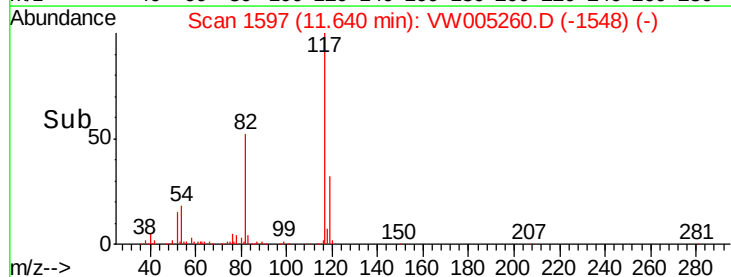
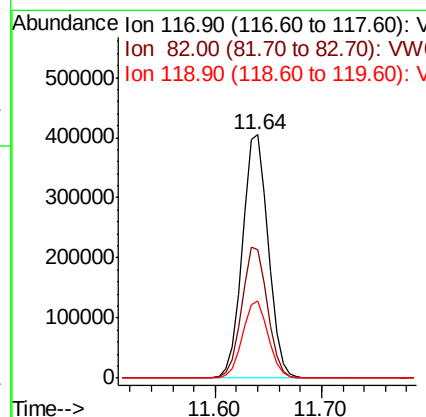
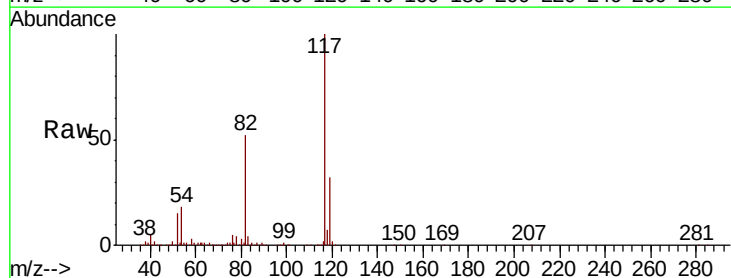
Instrument :
MSVOA_W
ClientSampleId :
SUP-1B-G-090718-1

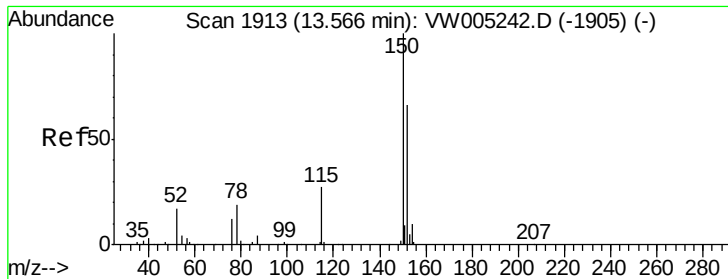
Tgt Ion: 95 Resp: 231463
Ion Ratio Lower Upper
95 100
174 88.0 0.0 174.6
176 84.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005260.D
Acq: 10 Sep 2018 23:51

Tgt Ion: 117 Resp: 689852
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 31.9 26.2 39.4

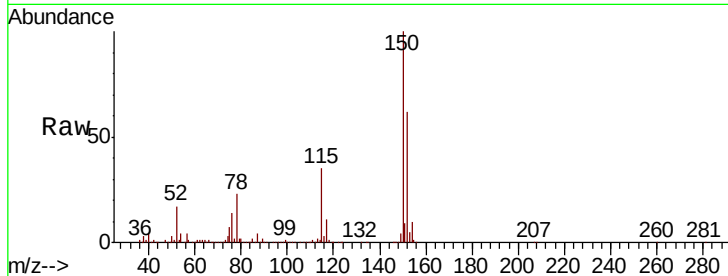




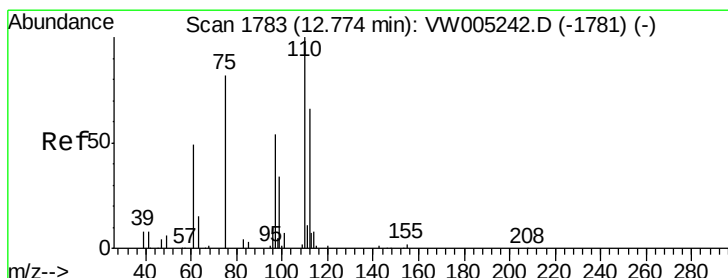
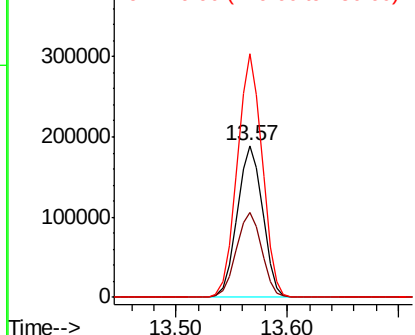
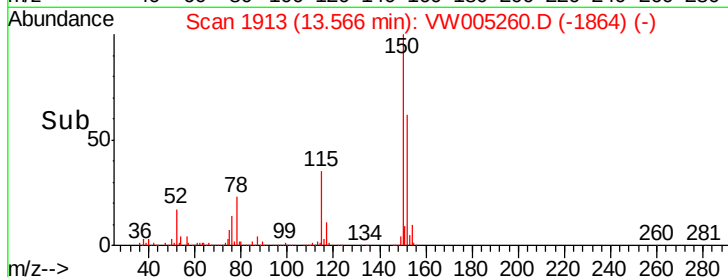
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1B-G-090718-1

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.5	82.4
150	157.7	0.0	347.4

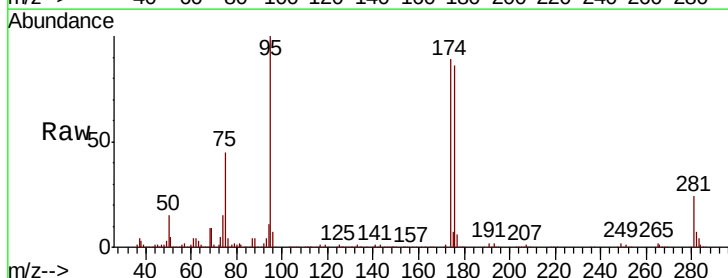


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

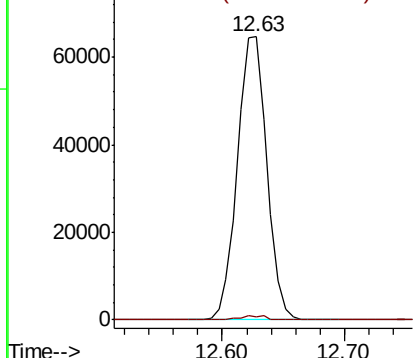
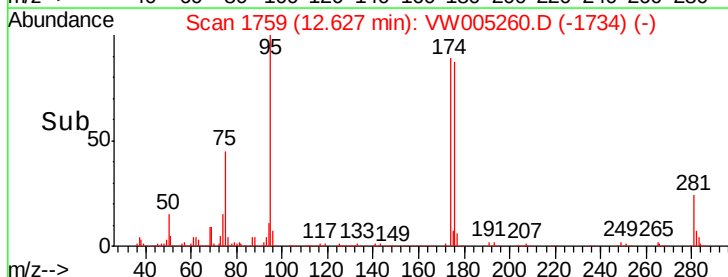


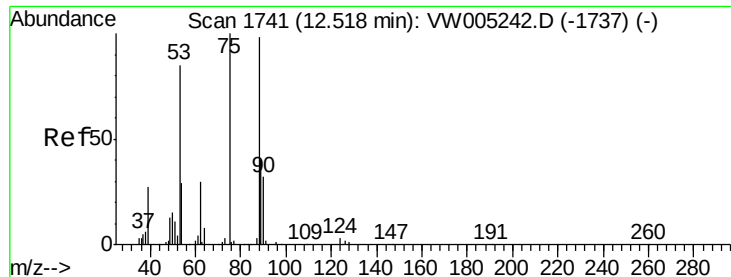
#76
 1,2,3-Trichloropropane
 Concen: 46.845 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005260.D
 Acq: 10 Sep 2018 23:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 109.861 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005260.D

Acq: 10 Sep 2018 23:51

Instrument :

MSVOA_W

ClientSampleId :

SUP-1B-G-090718-1

Tgt Ion: 75 Resp: 107490

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#

