

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090718\
 Data File : VW005221.D
 Acq On : 07 Sep 2018 20:23
 Operator : SY/AP
 Sample : J4779-01
 Misc : 5.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-090618-A

Quant Time: Sep 08 01:21:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	480553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	749668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	732680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	350584	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	183191	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
35) Dibromofluoromethane	7.89	113	167798	38.73	ug/l	0.00
Spiked Amount			Recovery	=	77.46%	
50) Toluene-d8	10.33	98	755745	37.86	ug/l	0.00
Spiked Amount			Recovery	=	75.72%	
62) 4-Bromofluorobenzene	12.63	95	264373	37.56	ug/l	0.00
Spiked Amount			Recovery	=	75.12%	

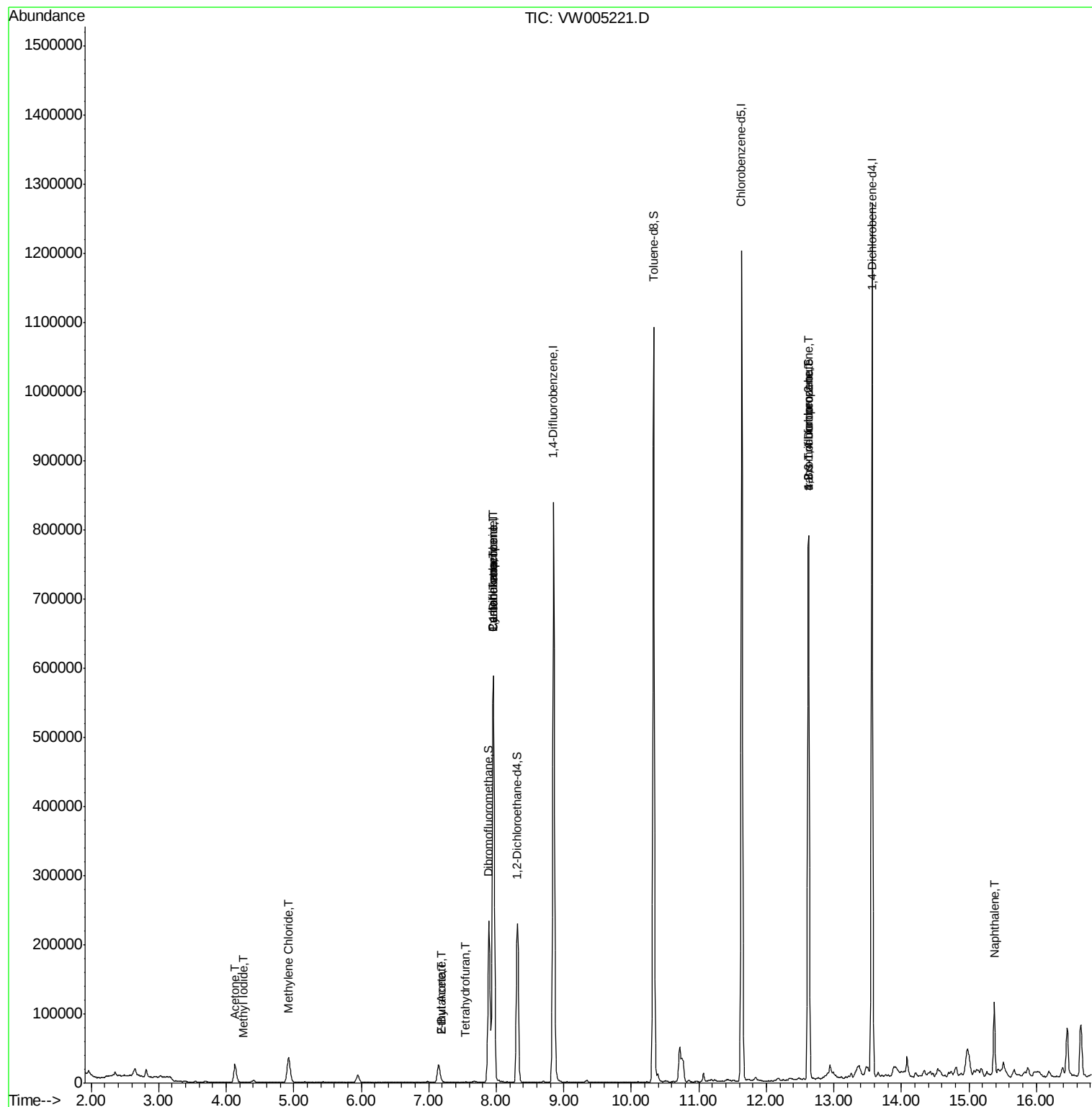
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	298	Below Cal	#	63
10) Methyl Iodide	4.26	142	21	3.822	ug/l #	44
11) Tert butyl alcohol	5.17	59	1840	Below Cal	#	76
16) Acetone	4.13	43	45514	56.971	ug/l	95
20) Methylene Chloride	4.93	84	30551	1.917	ug/l	94
25) 2-Butanone	7.19	43	4629	3.341	ug/l	98
29) Tetrahydrofuran	7.54	42	786	1.110	ug/l #	85
31) Cyclohexane	7.95	56	8193	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	31808	4.455	ug/l #	48
37) Ethyl Acetate	7.19	43	4629	1.734	ug/l #	66
38) Carbon Tetrachloride	7.96	117	41988	6.185	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	121201	46.057	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	121201	110.853	ug/l #	15
95) Naphthalene	15.38	128	92058	10.683	ug/l	99

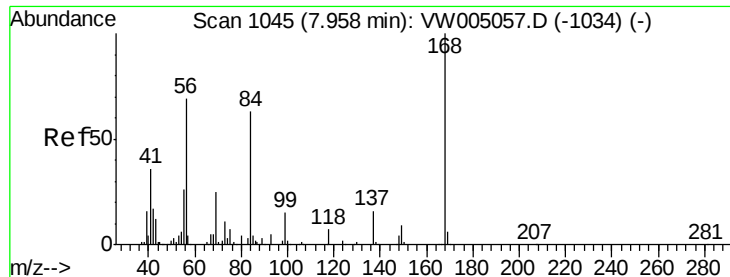
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005221.D

Acq: 07 Sep 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

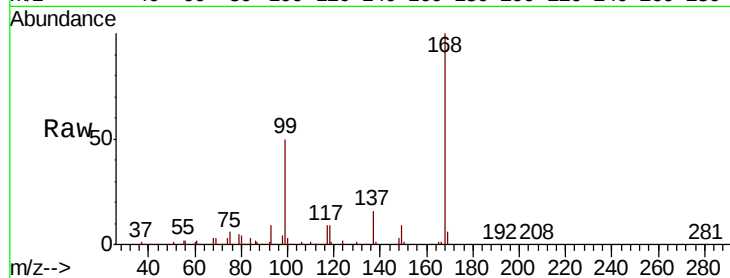
SU-03-090618-A

Tgt Ion:168 Resp: 480553

Ion Ratio Lower Upper

168 100

99 50.3 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

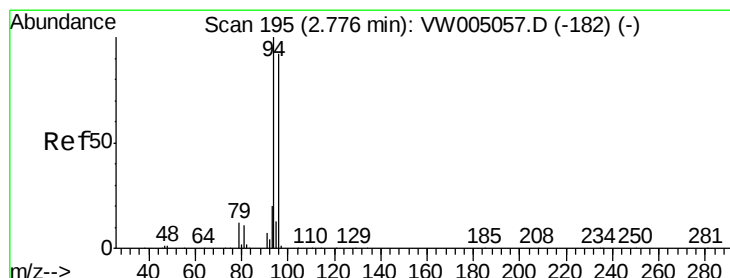
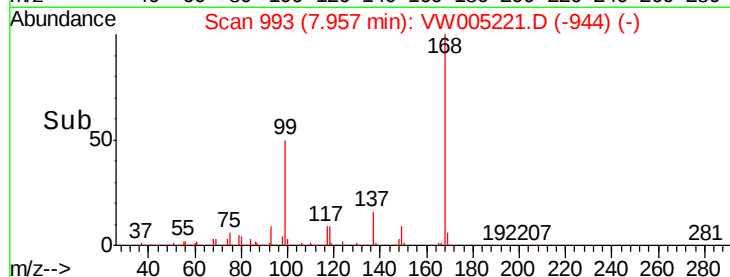
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005221.D

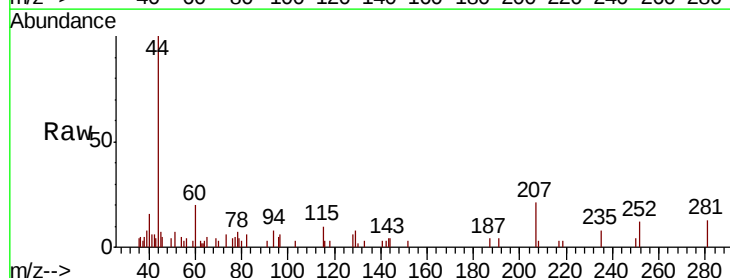
Acq: 07 Sep 2018 20:23

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 56.1 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

500

400

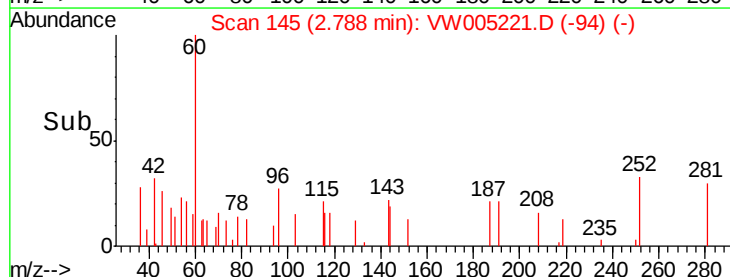
300

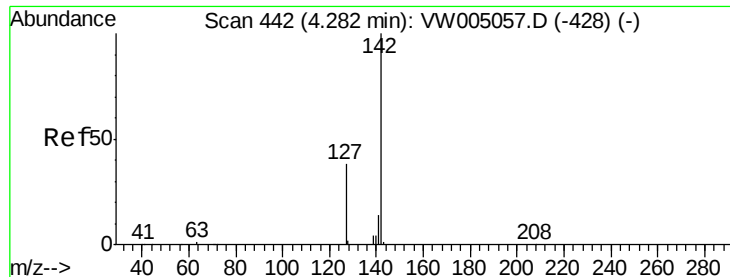
200

100

0

Time-->

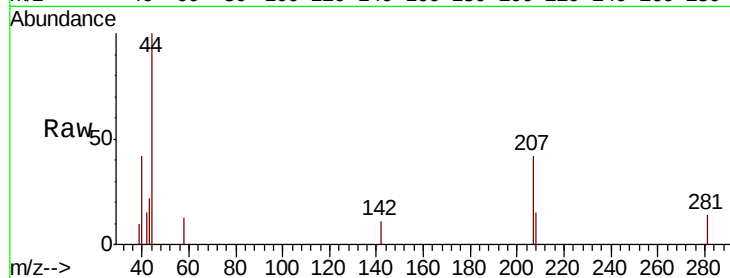




#10
Methyl Iodide
Concen: 3.822 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.02 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

Instrument :
MSVOA_W
ClientSampleId :
SU-03-090618-A

Tgt Ion	Ratio	Lower	Upper
142	100		
127	0.0	30.8	46.2#
141	0.0	11.6	17.4#

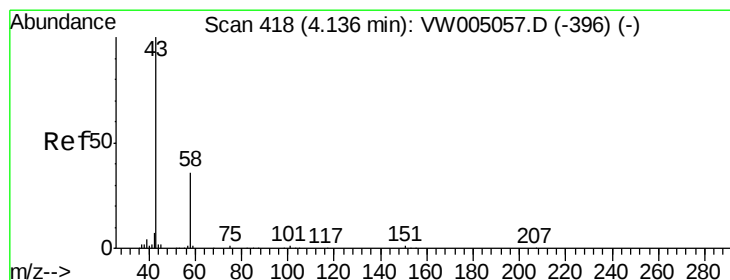
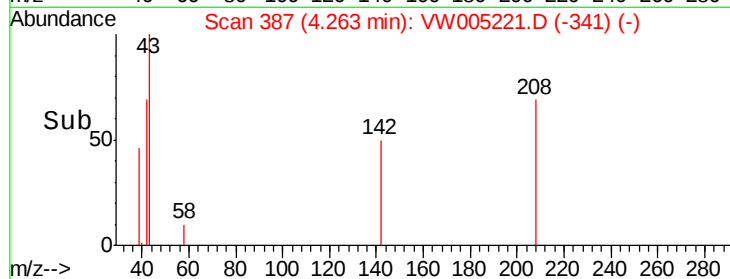
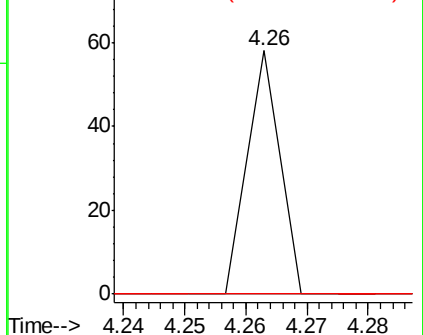


Abundance

Ion 141.80 (141.50 to 142.50): V

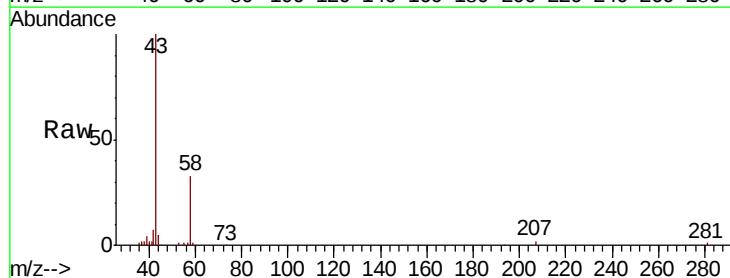
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16
Acetone
Concen: 56.971 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

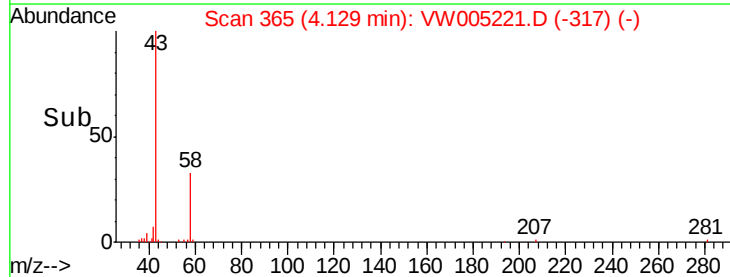
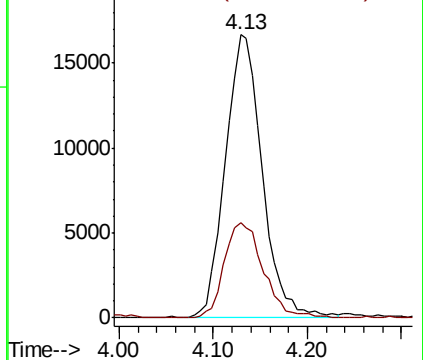
Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.0	43.6

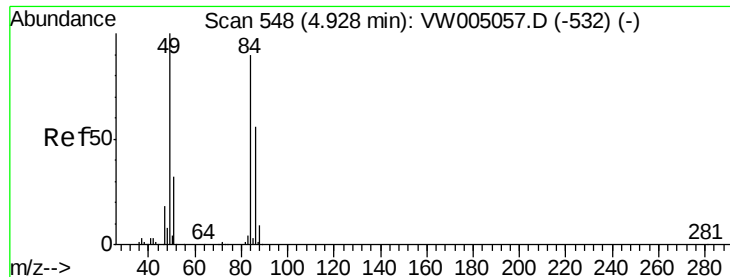


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

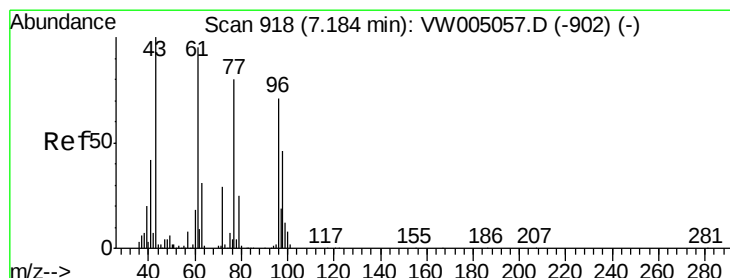
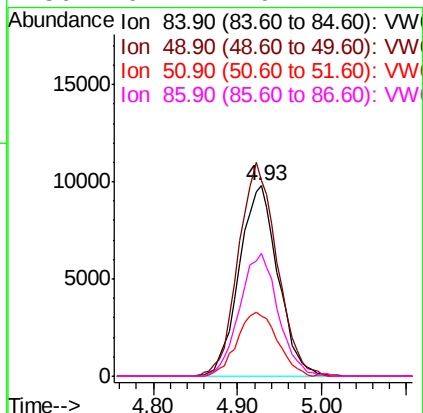
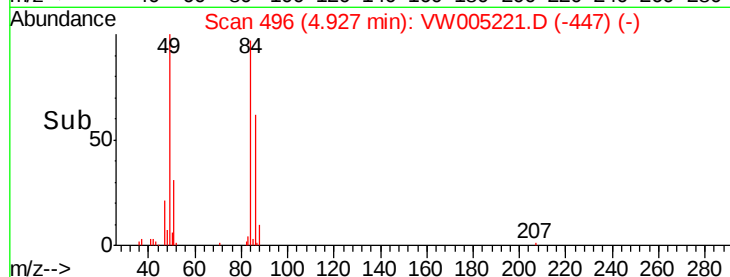
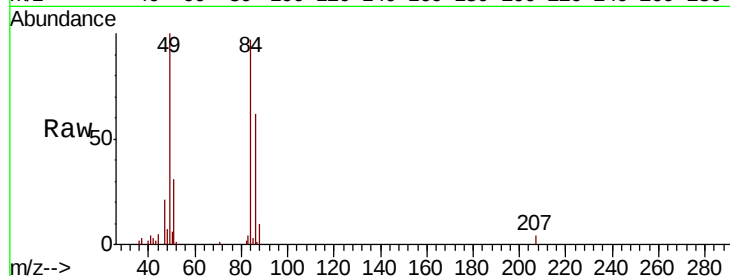




#20
Methylene Chloride
Concen: 1.917 ug/l
RT: 4.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

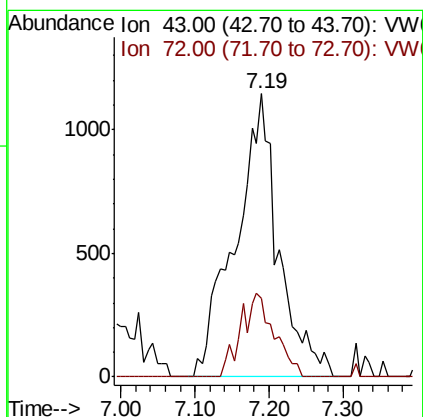
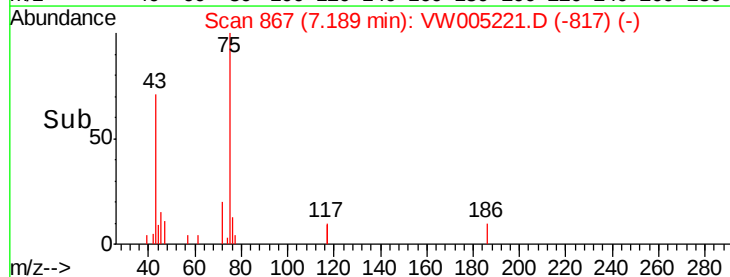
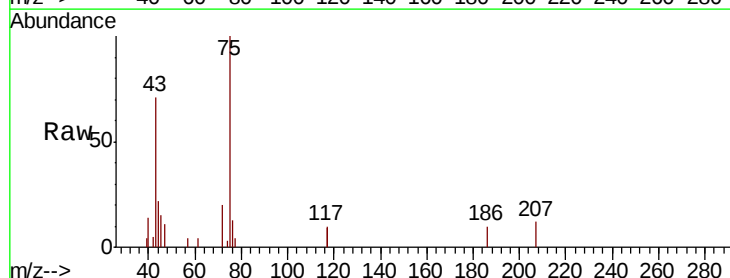
Instrument :
MSVOA_W
ClientSampleId :
SU-03-090618-A

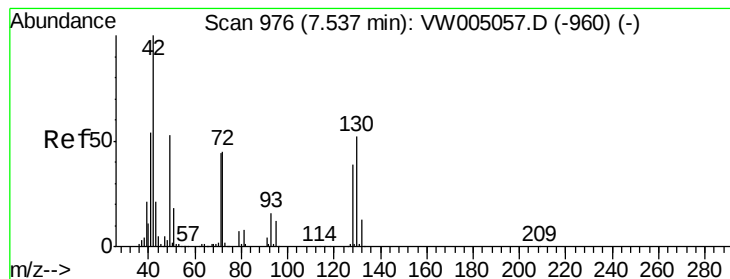
Tgt Ion:	84	Resp:	30551
Ion	Ratio	Lower	Upper
84	100		
49	103.1	88.7	133.1
51	31.7	28.6	42.8
86	64.4	49.4	74.2



#25
2-Butanone
Concen: 3.341 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

Tgt Ion:	43	Resp:	4629
Ion	Ratio	Lower	Upper
43	100		
72	27.7	23.1	34.7





#29

Tetrahydrofuran

Concen: 1.110 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

SU-03-090618-A

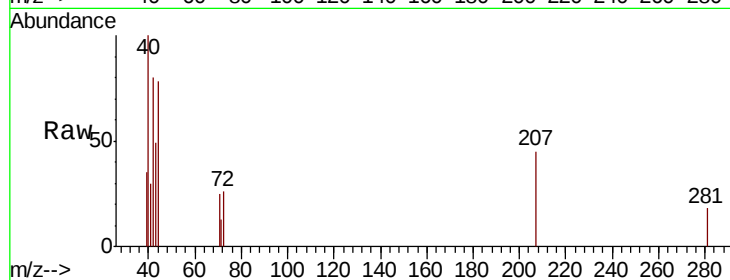
Tgt Ion: 42 Resp: 786

Ion Ratio Lower Upper

42 100

72 35.8 37.0 55.4#

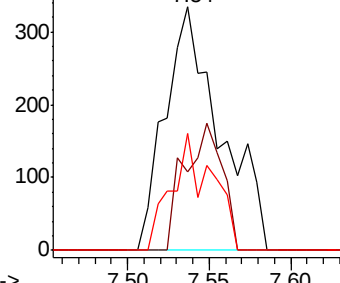
71 34.9 35.0 52.6#



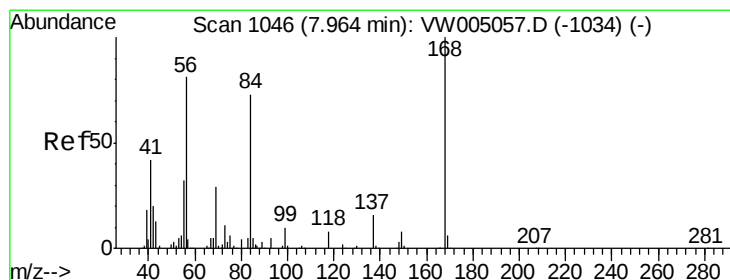
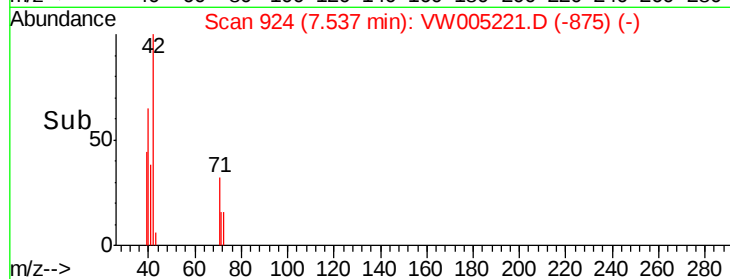
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.047 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

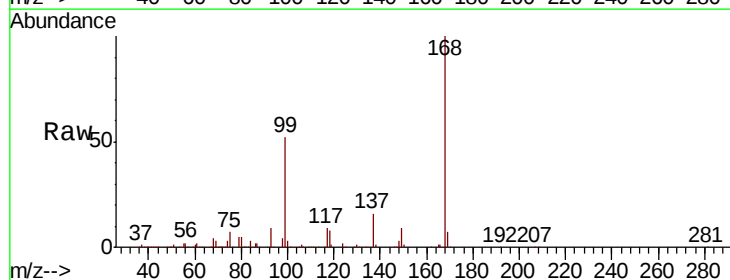
Tgt Ion: 56 Resp: 8193

Ion Ratio Lower Upper

56 100

69 173.6 28.2 42.2#

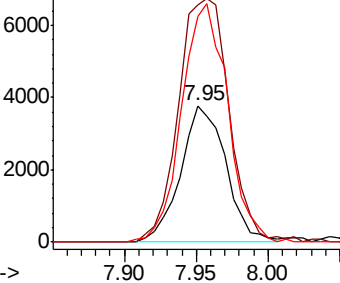
84 165.4 71.8 107.8#



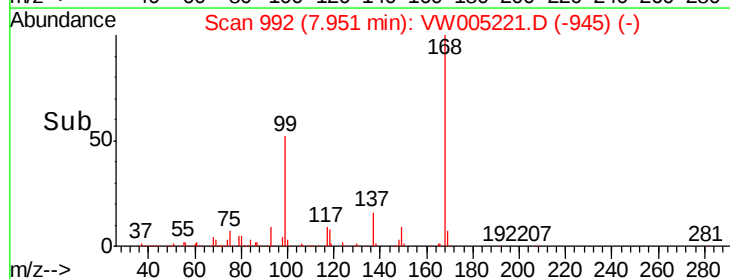
Abundance Ion 56.00 (55.70 to 56.70): VW

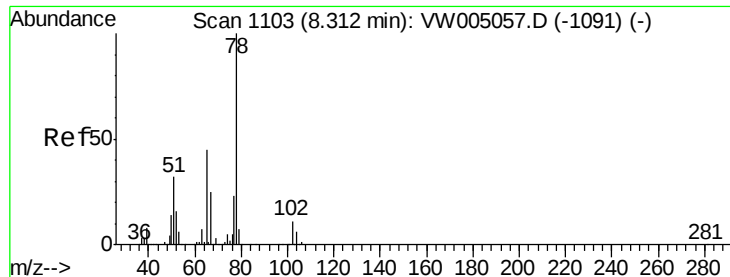
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->

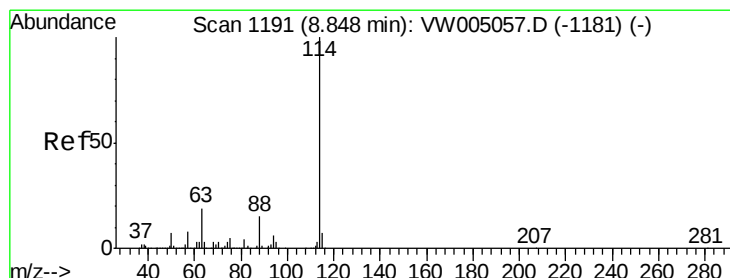
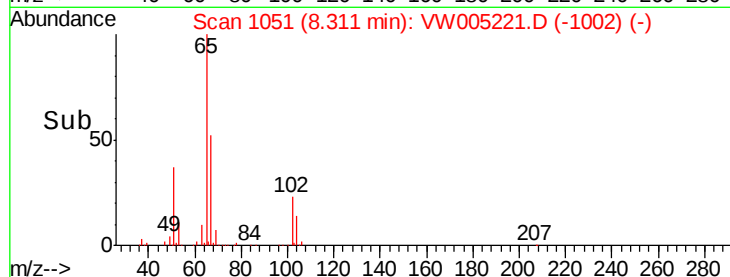
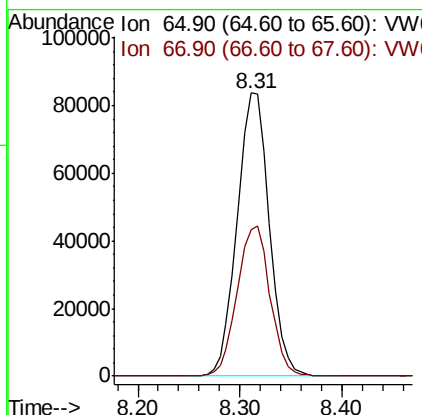
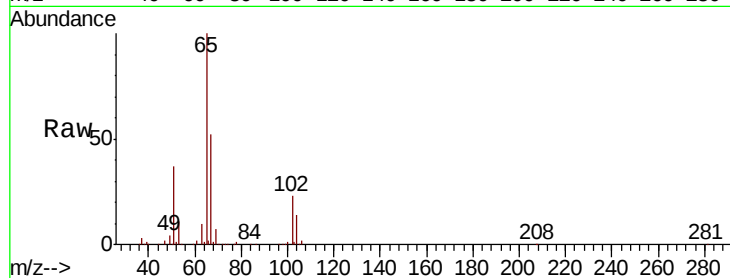




#33
 1,2-Dichloroethane-d4
 Concen: 45.987 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005221.D
 Acq: 07 Sep 2018 20:23

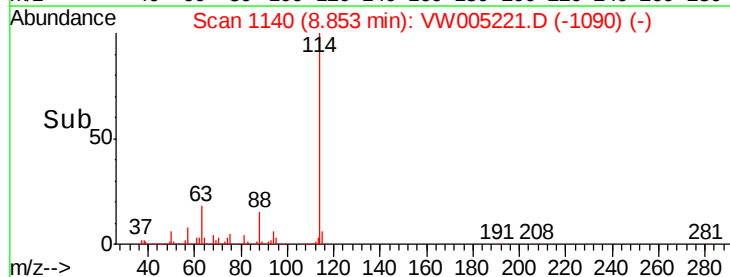
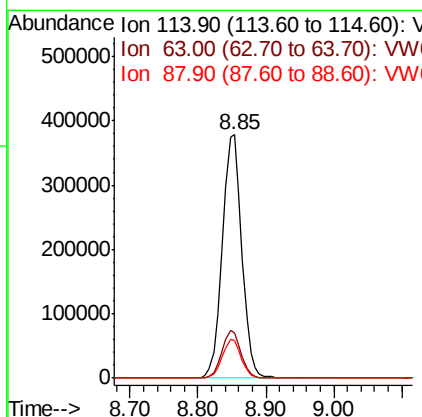
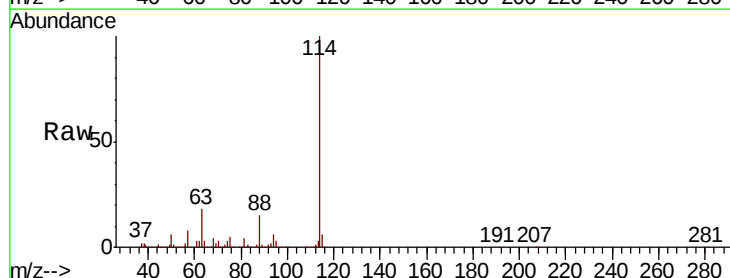
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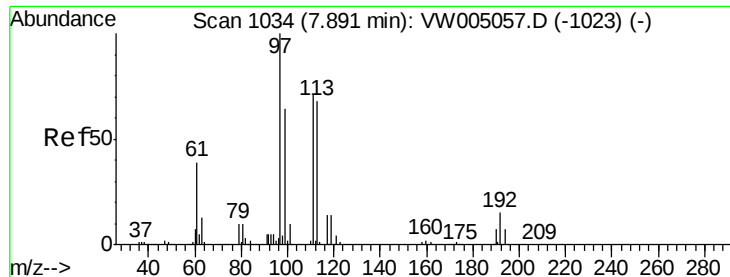
Tgt Ion: 65 Resp: 183191
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005221.D
 Acq: 07 Sep 2018 20:23

Tgt Ion: 114 Resp: 749668
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.0
 88 15.2 0.0 30.2

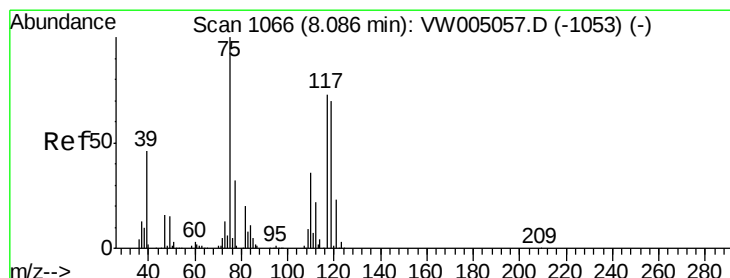
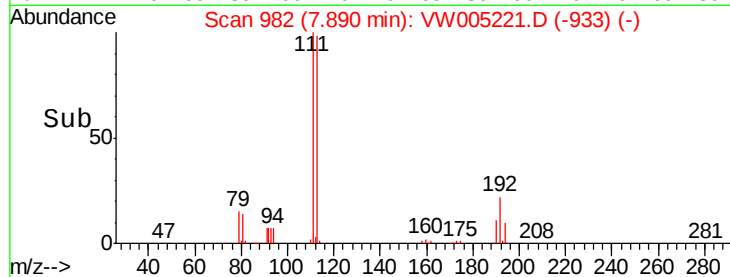
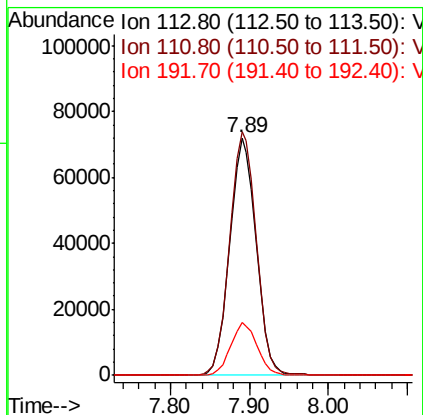
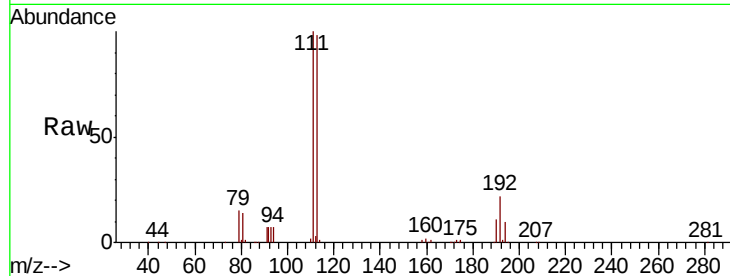




#35
 Dibromofluoromethane
 Concen: 38.733 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005221.D
 Acq: 07 Sep 2018 20:23

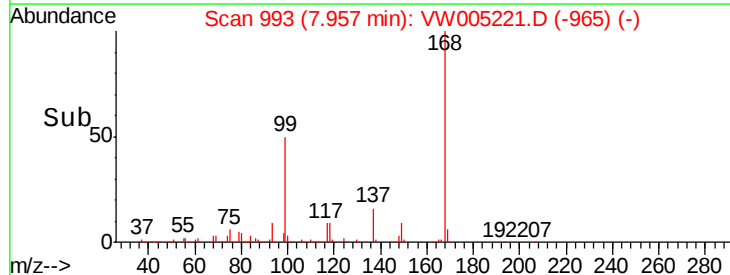
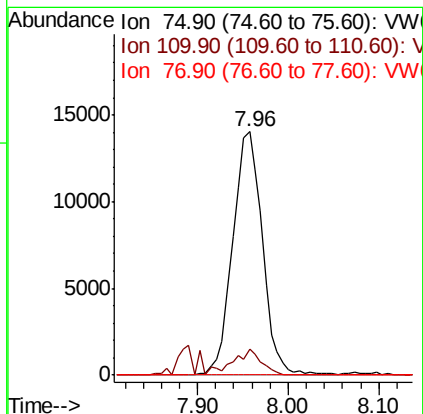
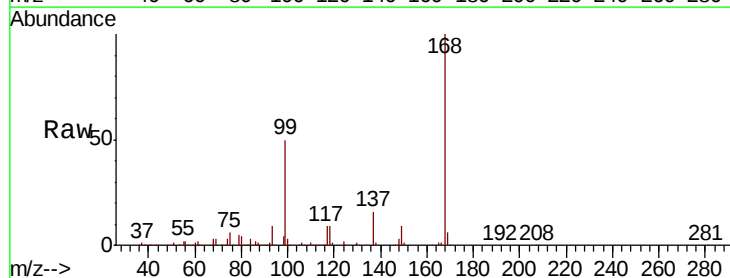
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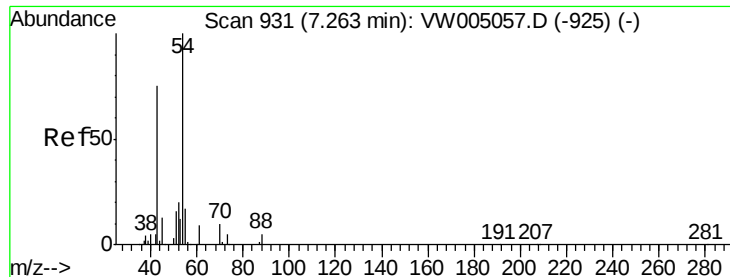
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.2
192	22.2	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005221.D
 Acq: 07 Sep 2018 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.9	56.7#
77	0.0	25.5	38.3#





#37

Ethyl Acetate

Concen: 1.734 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.07 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

SU-03-090618-A

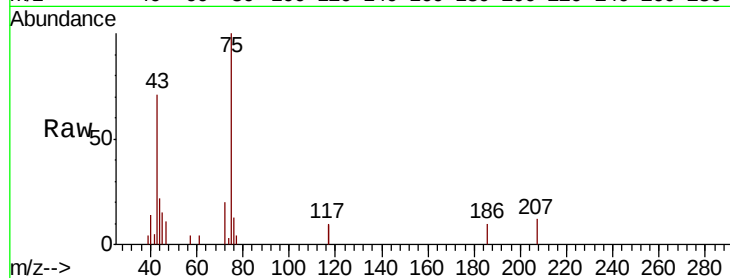
Tgt Ion: 43 Resp: 4629

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

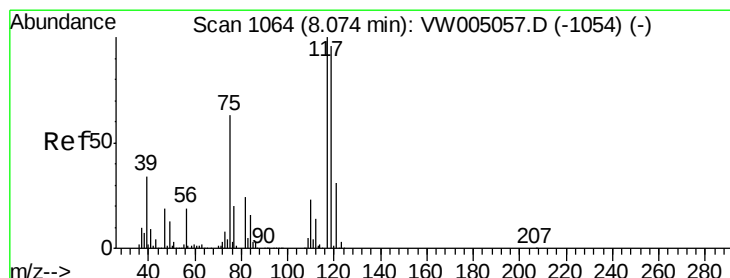
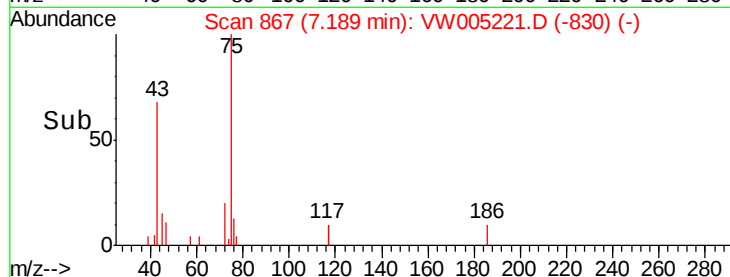
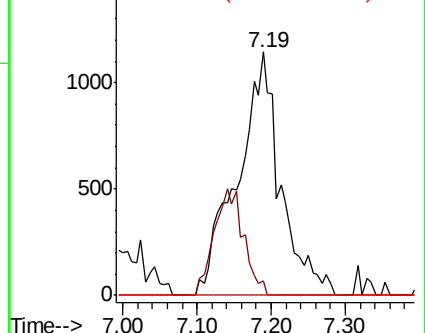
70 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.185 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

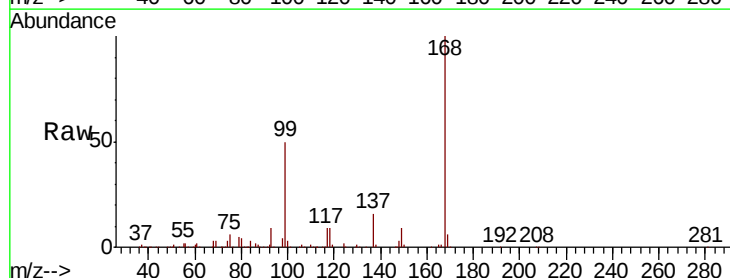
Tgt Ion: 117 Resp: 41988

Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

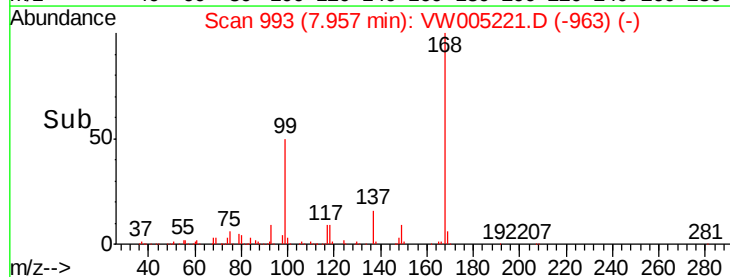
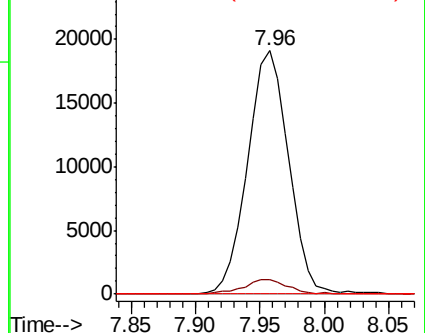
121 0.0 24.8 37.2#

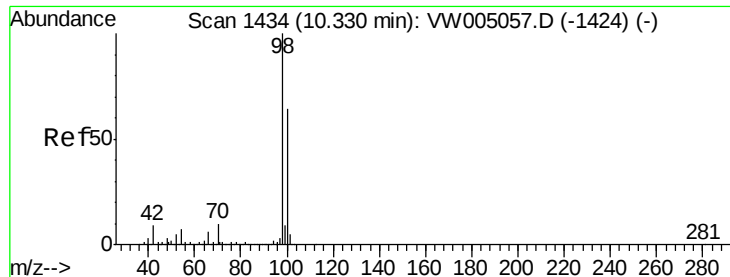


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 37.859 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

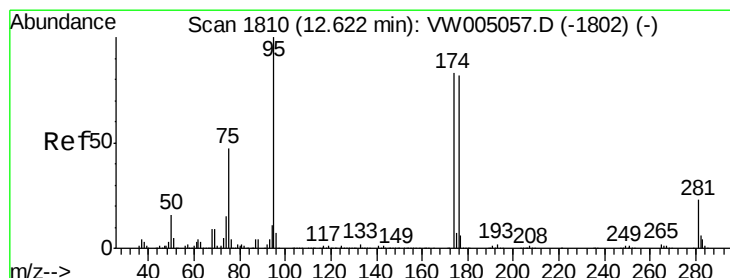
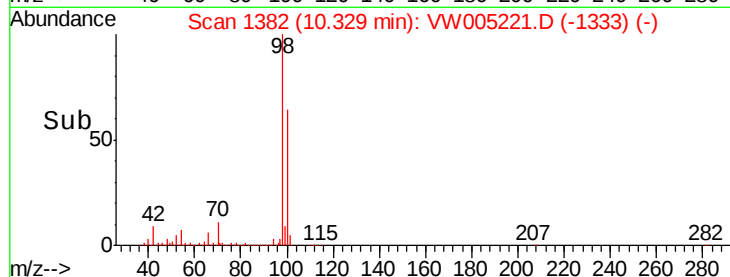
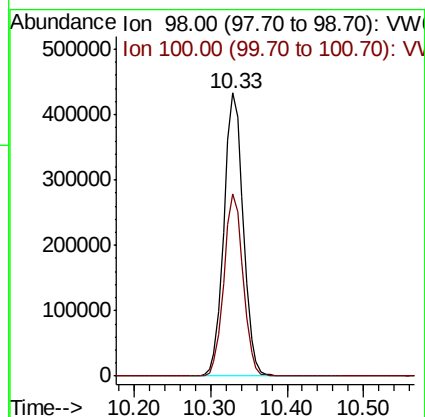
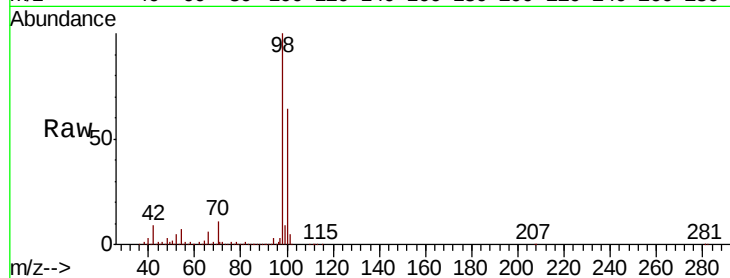
SU-03-090618-A

Tgt Ion: 98 Resp: 755745

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 37.559 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

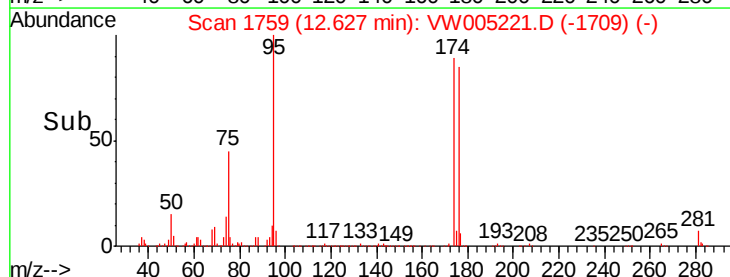
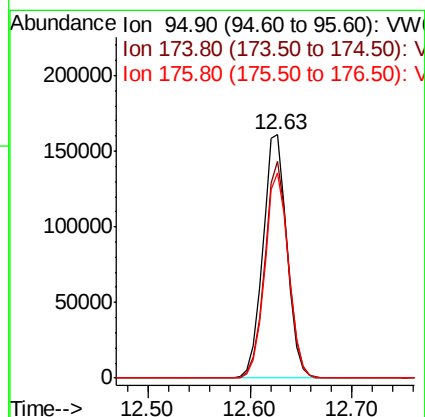
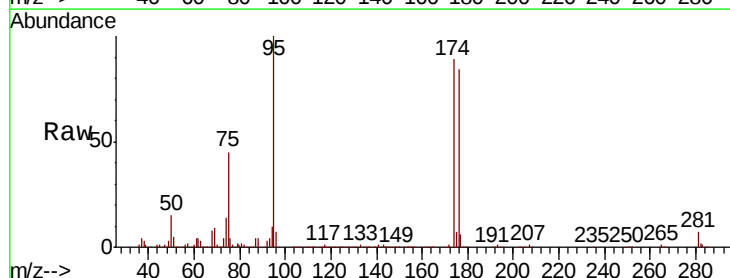
Tgt Ion: 95 Resp: 264373

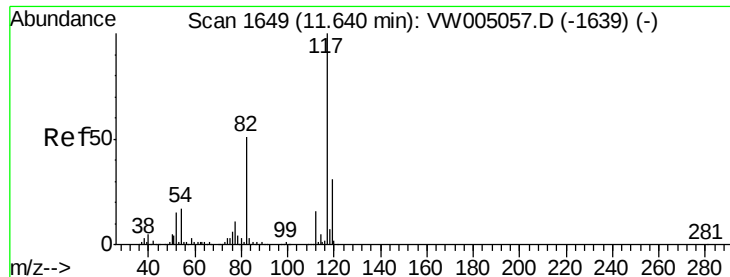
Ion Ratio Lower Upper

95 100

174 86.6 0.0 173.4

176 83.1 0.0 167.4

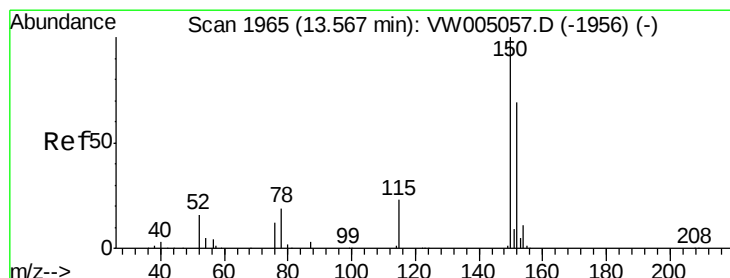
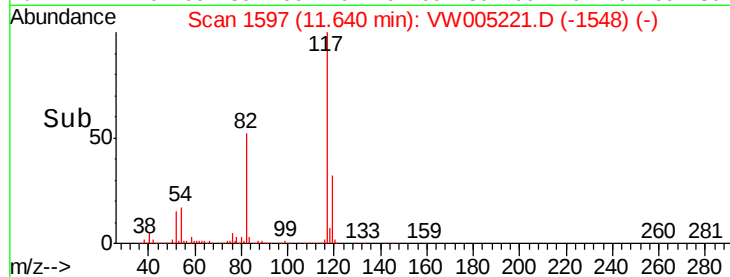
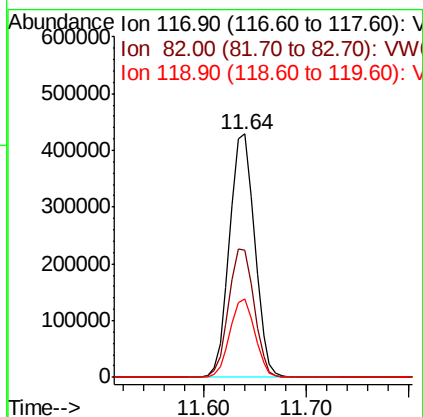
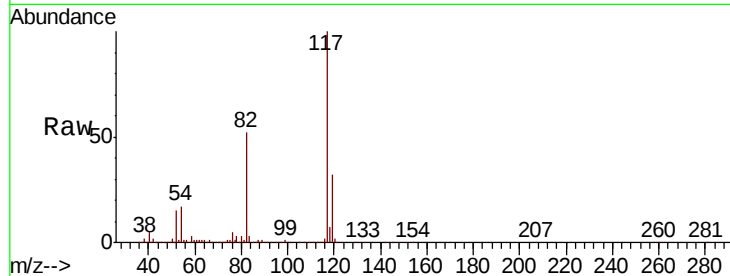




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

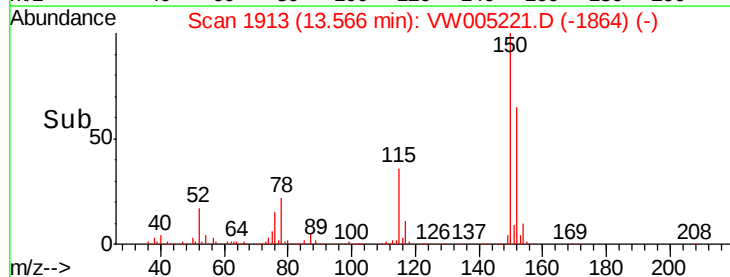
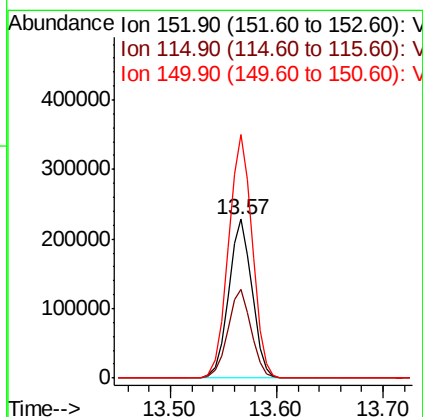
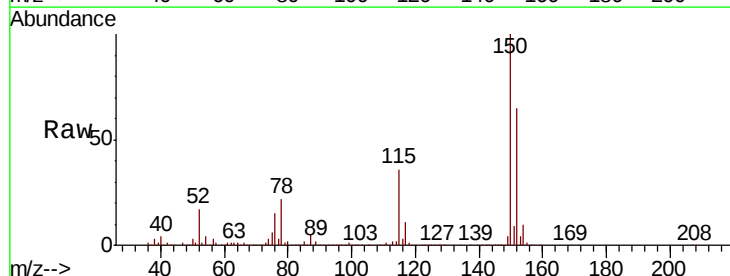
Instrument :
MSVOA_W
ClientSampleId :
SU-03-090618-A

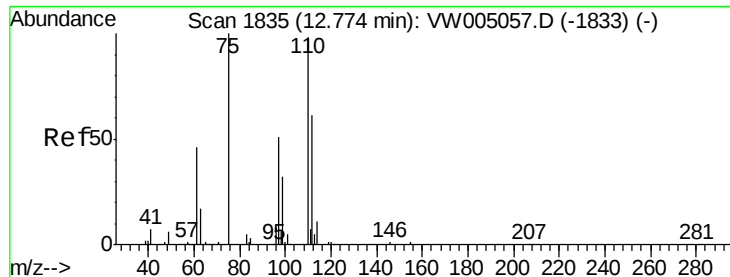
Tgt Ion:117 Resp: 732680
Ion Ratio Lower Upper
117 100
82 52.4 40.9 61.3
119 32.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

Tgt Ion:152 Resp: 350584
Ion Ratio Lower Upper
152 100
115 55.9 27.8 83.4
150 156.7 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 46.057 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

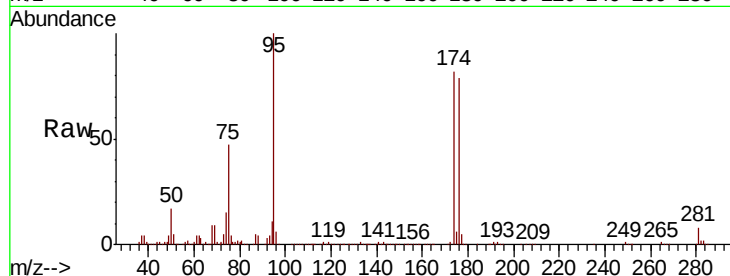
SU-03-090618-A

Tgt Ion: 75 Resp: 121201

Ion Ratio Lower Upper

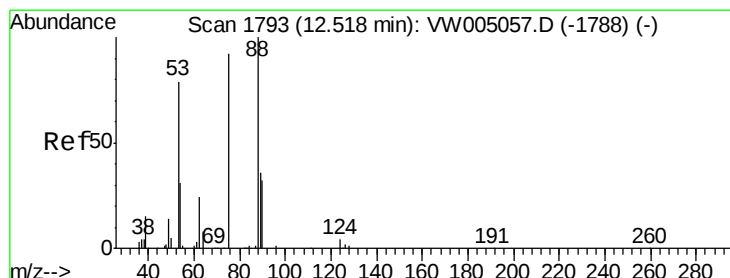
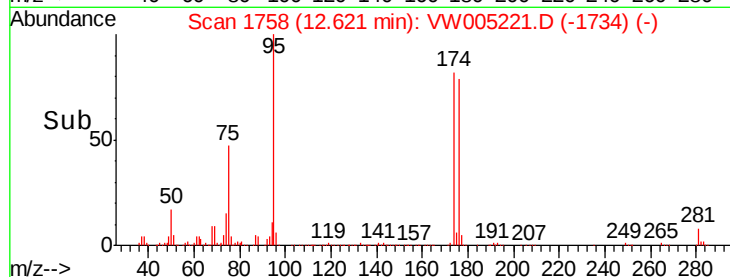
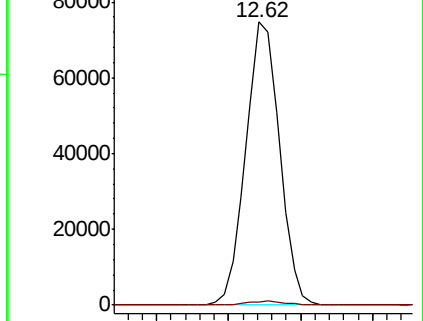
75 100

77 1.9 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: 110.853 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005221.D

Acq: 07 Sep 2018 20:23

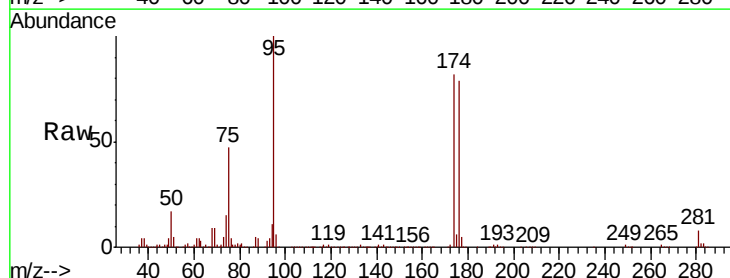
Tgt Ion: 75 Resp: 121201

Ion Ratio Lower Upper

75 100

53 0.3 69.8 104.8#

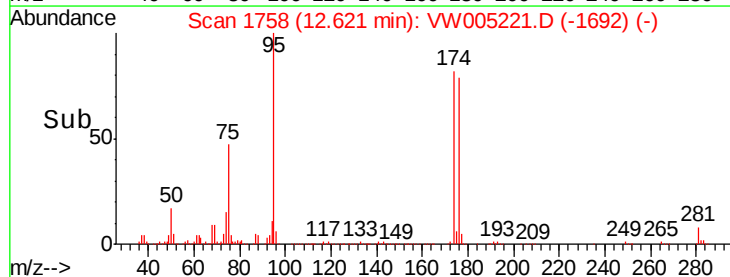
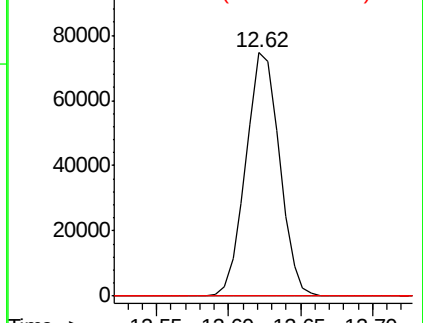
89 0.0 36.0 54.0#

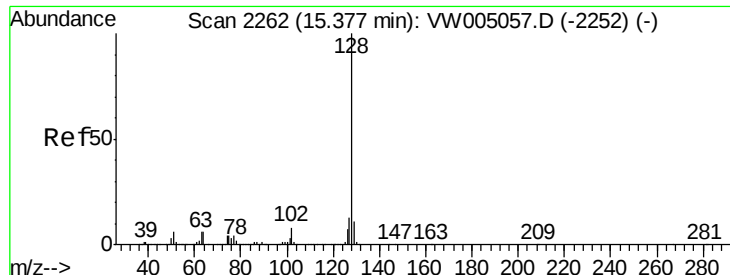


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

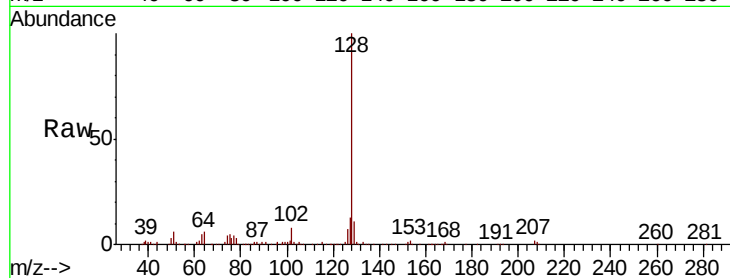




#95
Naphthalene
Concen: 10.683 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005221.D
Acq: 07 Sep 2018 20:23

Instrument :
MSVOA_W
ClientSampleId :
SU-03-090618-A

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.3	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

