

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005565.D
 Acq On : 21 Sep 2018 17:23
 Operator : VA/AP
 Sample : J5042-01RE
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 17:49:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 17:28:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	21576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	32688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	26165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7599	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	13581	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
35) Dibromofluoromethane	7.89	113	10677	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.33	98	27477	32.83	ug/l	0.00
Spiked Amount			Recovery	=	65.66%	
62) 4-Bromofluorobenzene	12.63	95	6970	22.50	ug/l	0.00
Spiked Amount			Recovery	=	45.00%	

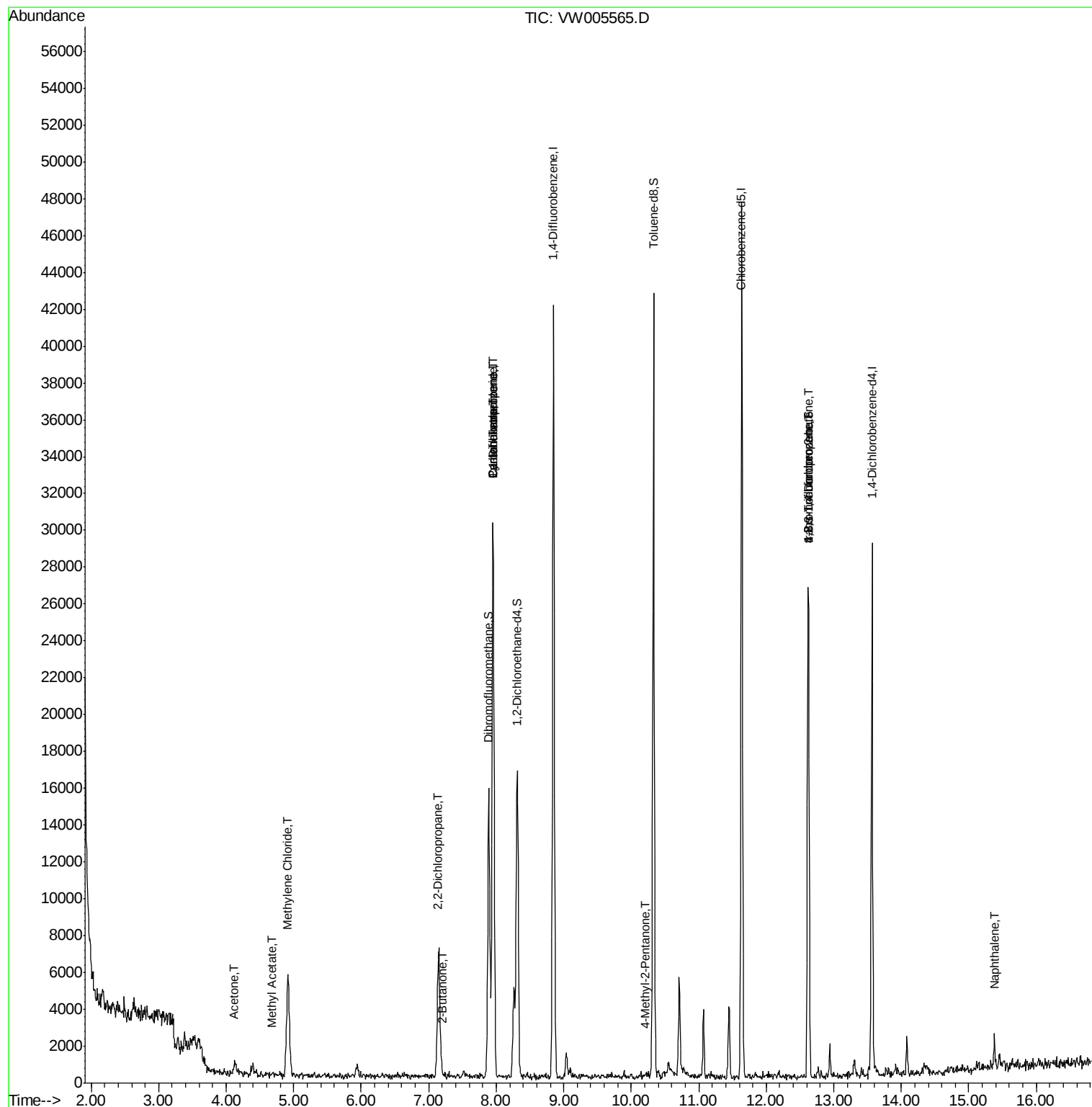
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.76	56	22	Below Cal	#	13
16) Acetone	4.12	43	1305	24.133	ug/l	98
18) Methyl Acetate	4.67	43	140	1.162	ug/l #	51
20) Methylene Chloride	4.91	84	4163	16.692	ug/l #	79
25) 2-Butanone	7.20	43	76	1.231	ug/l #	50
26) 2,2-Dichloropropane	7.14	77	529	1.842	ug/l #	54
31) Cyclohexane	7.96	56	672	1.705	ug/l #	70
36) 1,1-Dichloropropene	7.95	75	1790	5.440	ug/l #	47
38) Carbon Tetrachloride	7.95	117	2260	6.409	ug/l #	12
51) 4-Methyl-2-Pentanone	10.21	43	152	1.108	ug/l #	37
76) 1,2,3-Trichloropropane	12.62	75	3552	54.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	3552	123.505	ug/l #	7
95) Naphthalene	15.38	128	1622	6.063	ug/l #	94

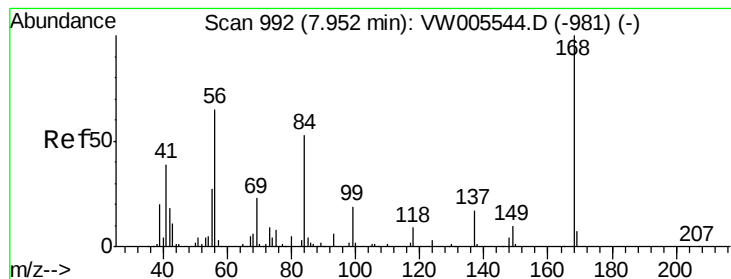
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

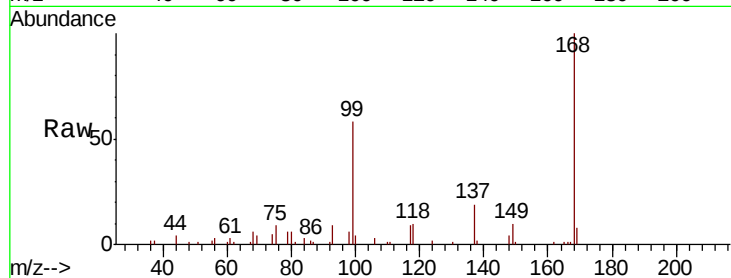
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 21576

Ion Ratio Lower Upper

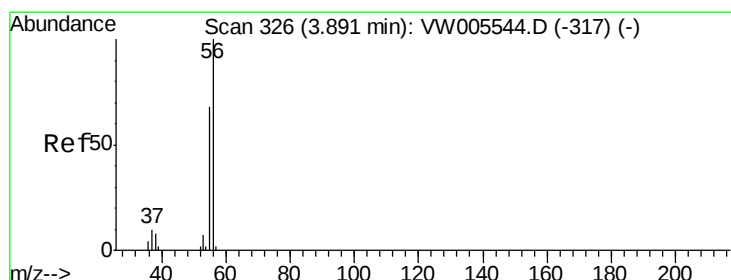
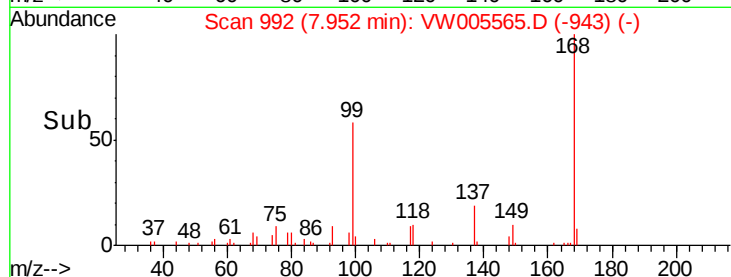
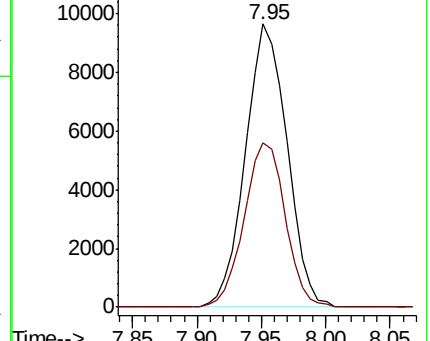
168 100

99 58.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 304

Delta R.T. -0.13 min

Lab File: VW005565.D

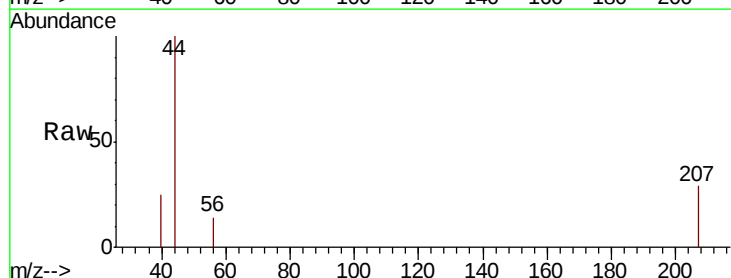
Acq: 21 Sep 2018 17:23

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

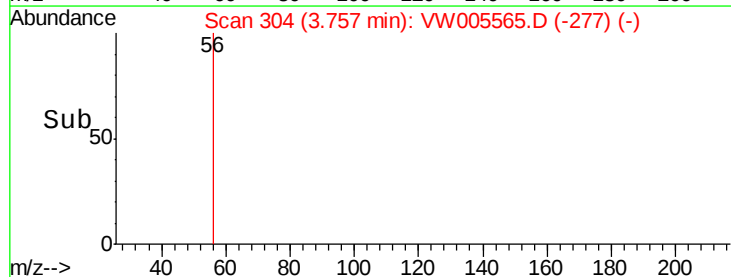
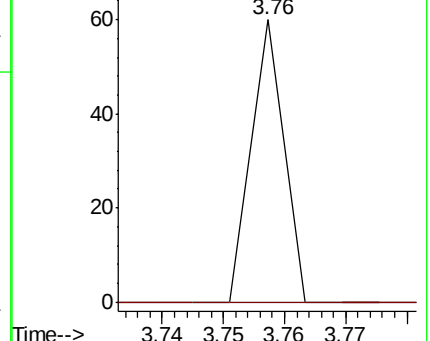
56 100

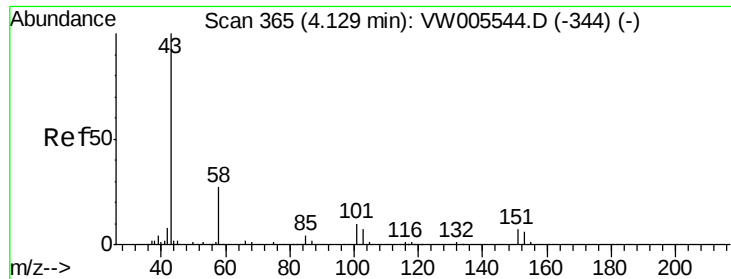
55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 24.133 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

Instrument :

MSVOA_W

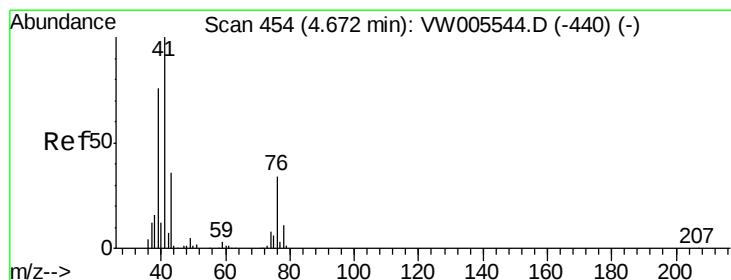
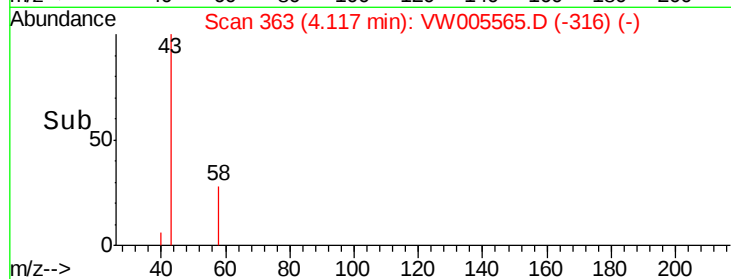
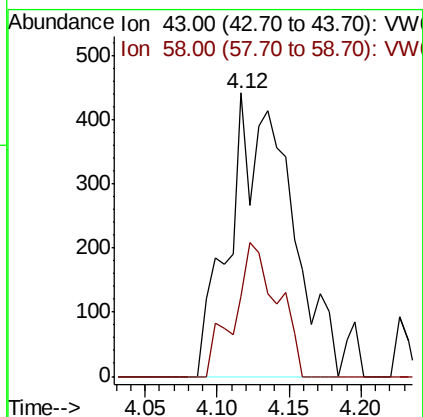
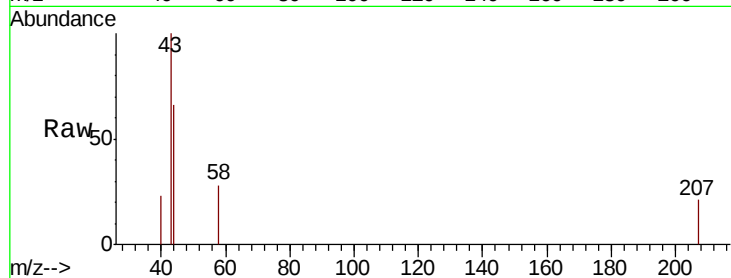
ClientSampled :

Tot Ion: 43 Resp: 1305

Ion Ratio Lower Upper

43 100

58 28.3 21.8 32.8



#18

Methyl Acetate

Concen: 1.162 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW005565.D

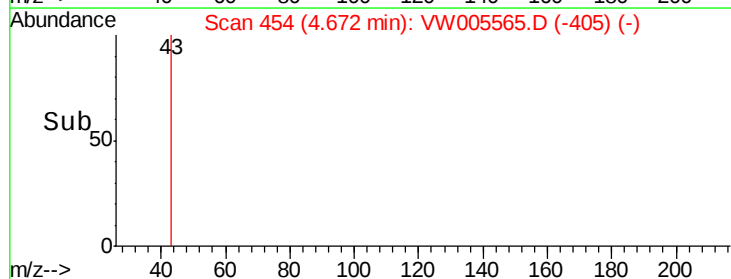
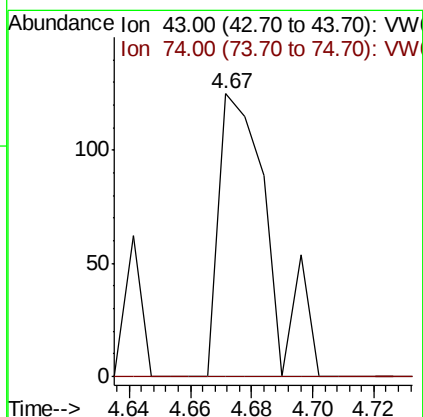
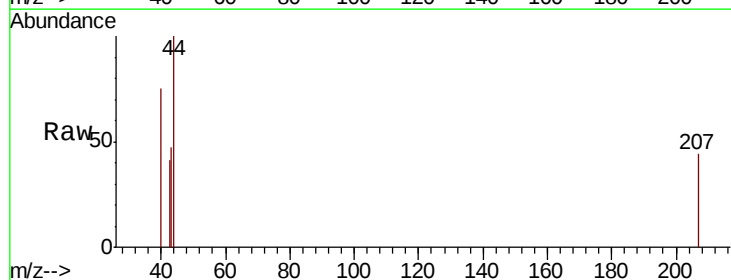
Acq: 21 Sep 2018 17:23

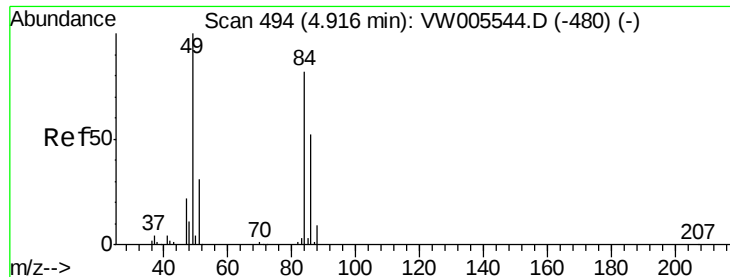
Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

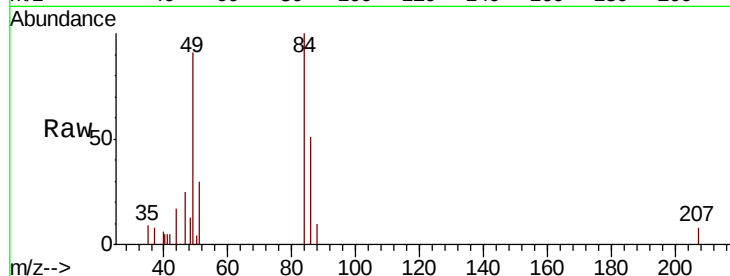




#20
Methvlene Chloride
Concen: 16.692 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 4163
Ion Ratio Lower Upper
84 100
49 91.0 97.0 145.6#
51 29.7 30.2 45.2#
86 51.2 50.2 75.4



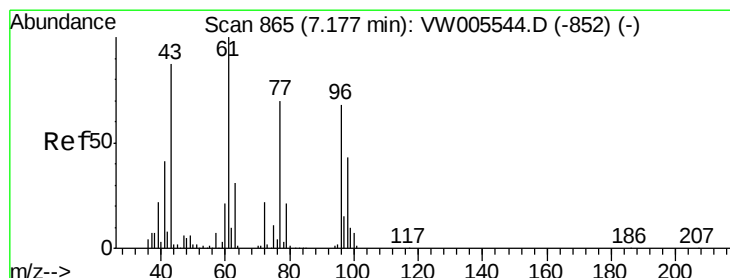
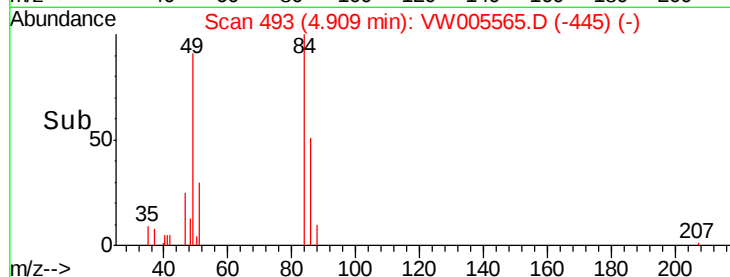
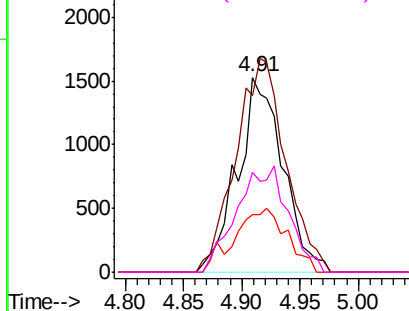
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

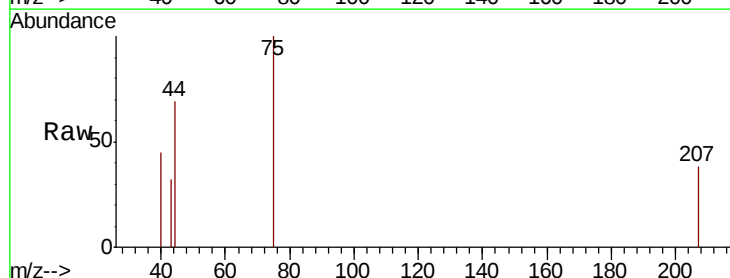
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.231 ug/l
RT: 7.20 min Scan# 869
Delta R.T. 0.02 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

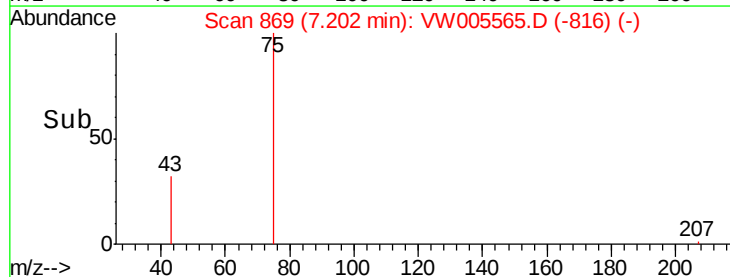
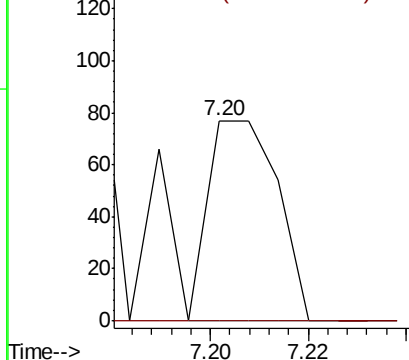
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

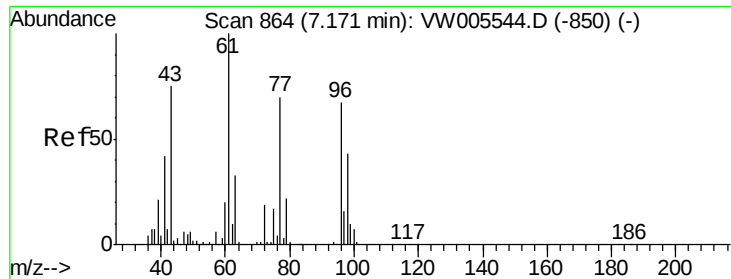


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.842 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

Instrument :

MSVOA_W

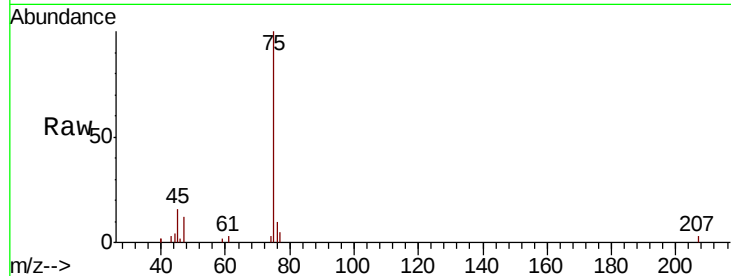
ClientSampled :

Tot Ion: 77 Resp: 529

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.14

250

200

150

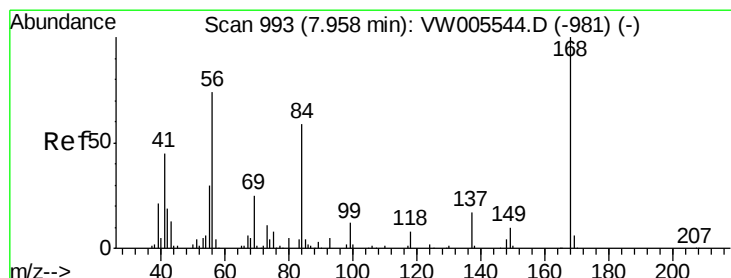
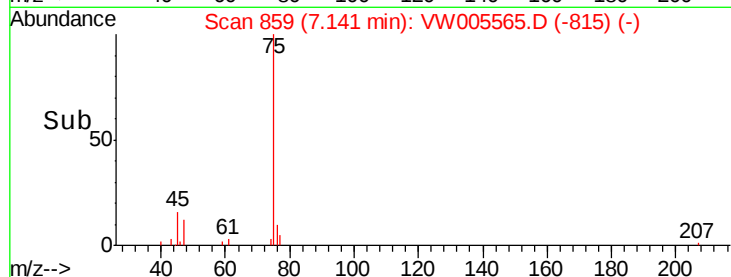
100

50

0

7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.705 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

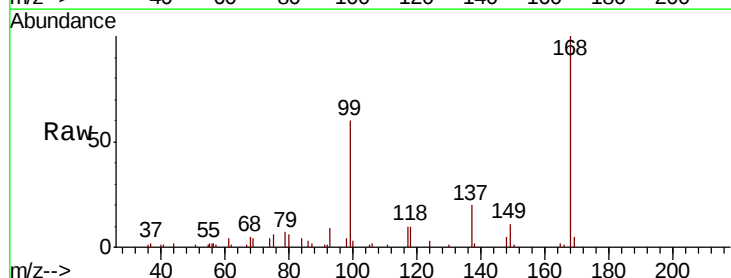
Tgt Ion: 56 Resp: 672

Ion Ratio Lower Upper

56 100

69 72.7 27.0 40.4#

84 92.3 64.2 96.4



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

600

500

400

300

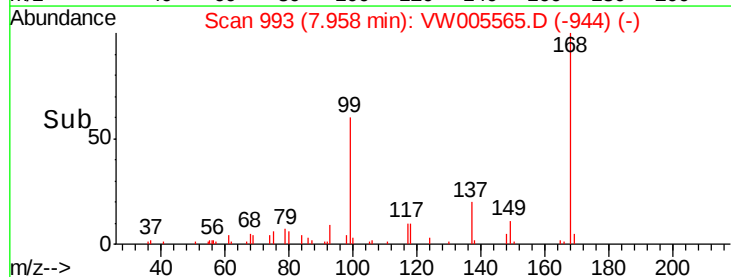
200

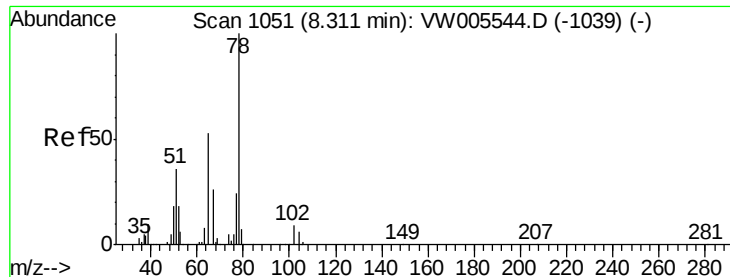
100

0

7.90 7.95 8.00

Time-->

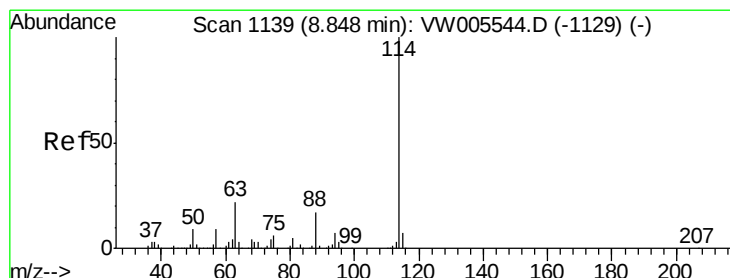
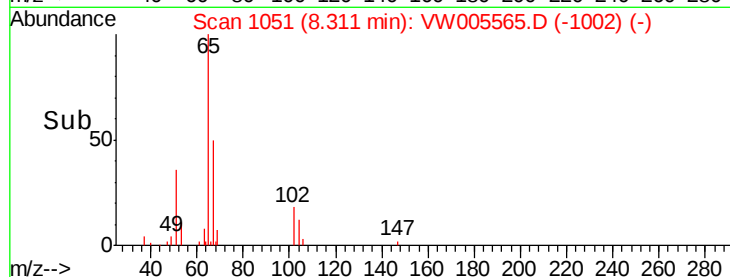
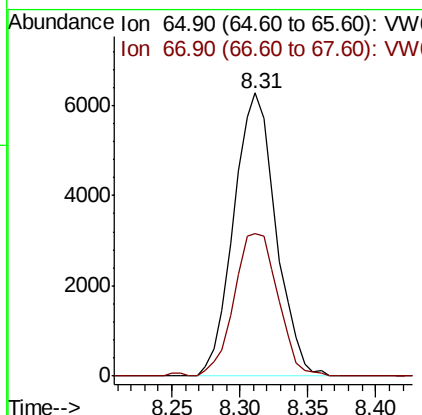
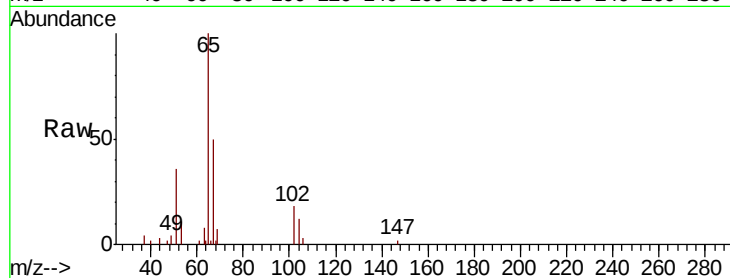




#33
 1,2-Dichloroethane-d4
 Concen: 53.430 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005565.D
 Acq: 21 Sep 2018 17:23

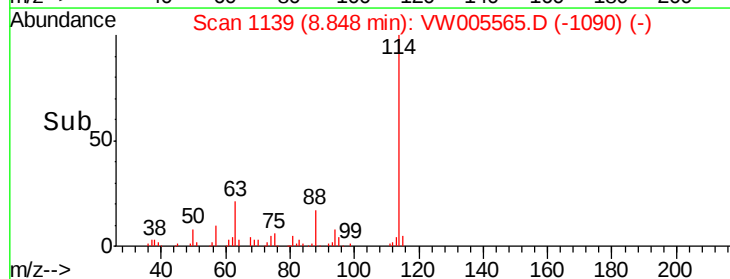
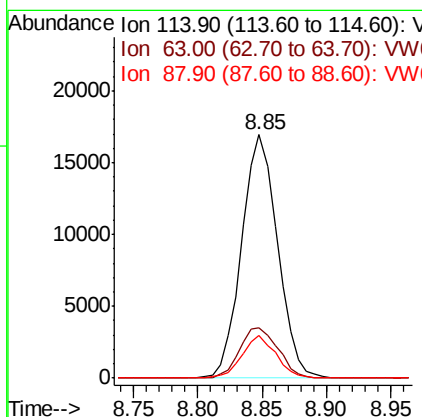
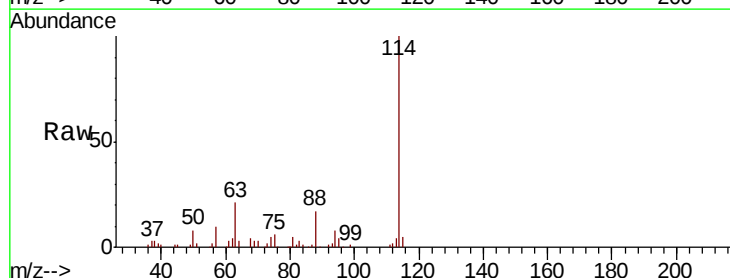
Instrument :
 MSVOA_W
 ClientSampleId :

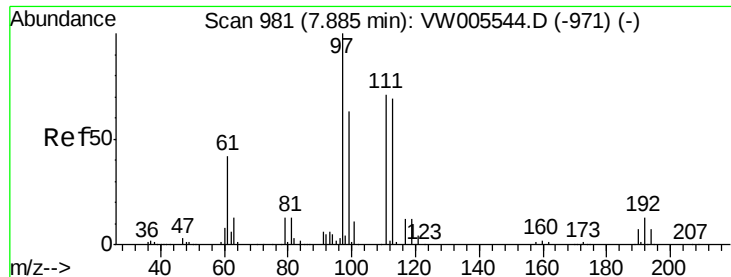
Tot Ion: 65 Resp: 13581
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005565.D
 Acq: 21 Sep 2018 17:23

Tgt Ion: 114 Resp: 32688
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.0
 88 17.4 0.0 33.0

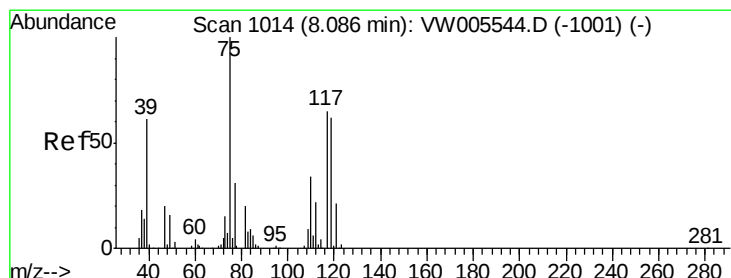
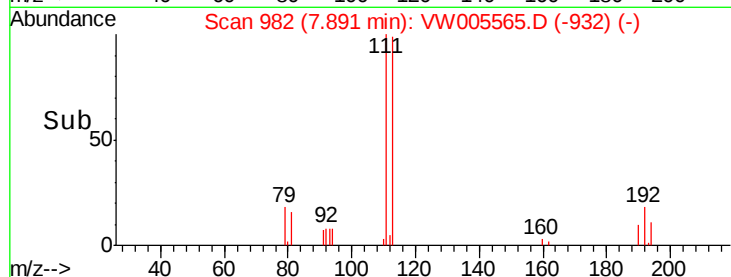
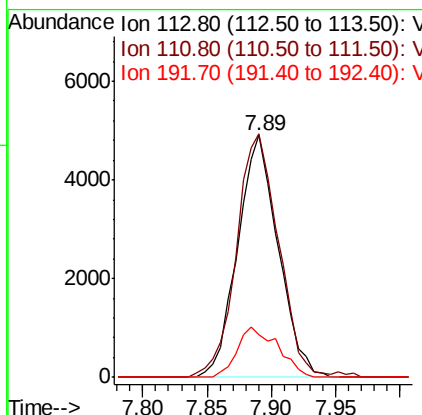
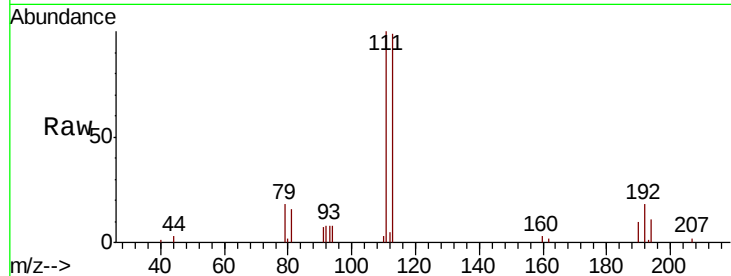




#35
 Dibromofluoromethane
 Concen: 51.941 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005565.D
 Acq: 21 Sep 2018 17:23

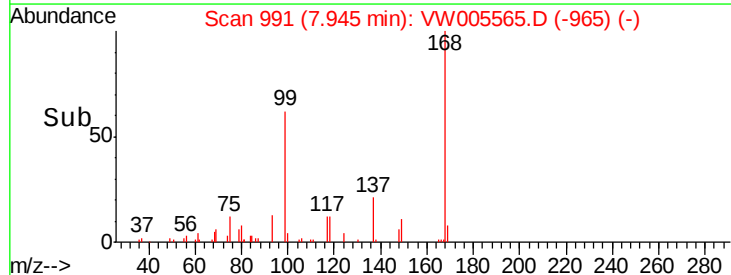
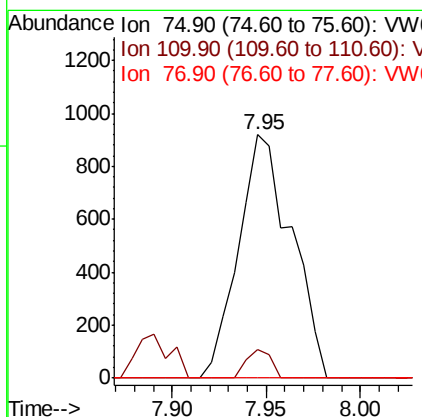
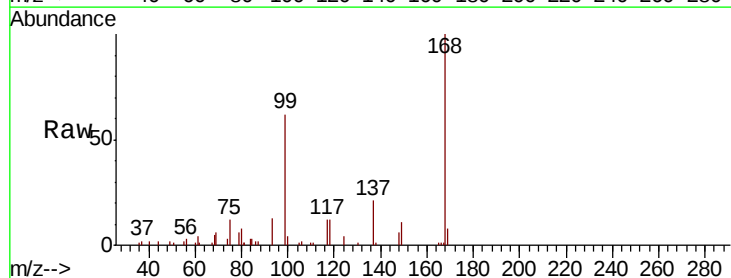
Instrument :
 MSVOA_W
 ClientSampleId :

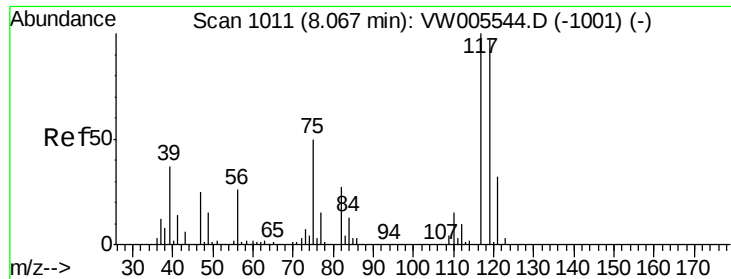
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	123.8
192	20.9	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 5.440 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005565.D
 Acq: 21 Sep 2018 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.3	17.0	50.9#
77	0.0	24.8	37.2#

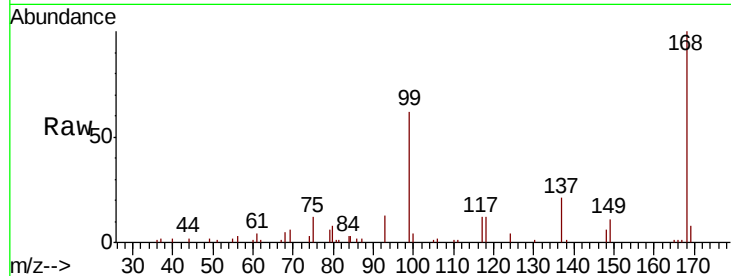




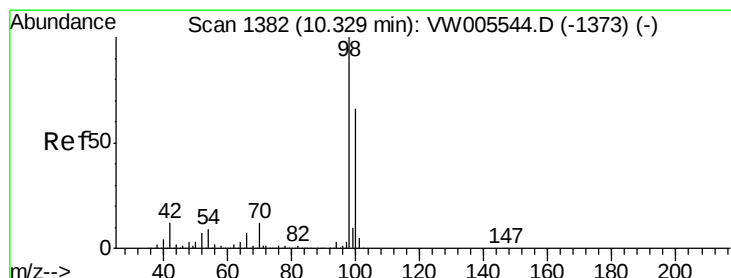
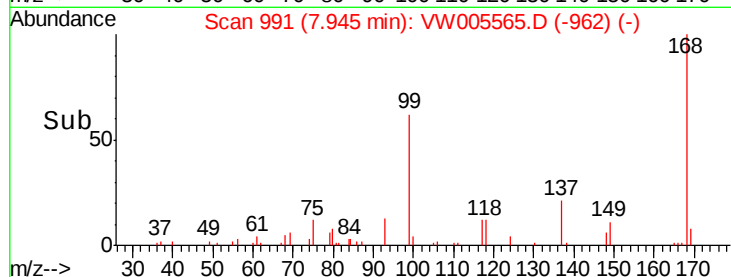
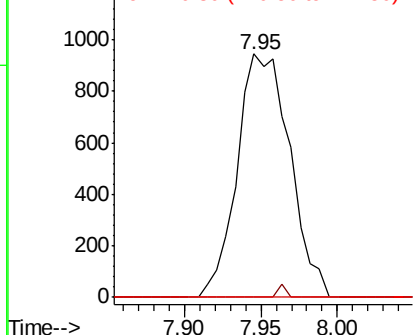
#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 2260
Ion Ratio Lower Upper
117 100
119 0.0 77.6 116.4#
121 0.0 25.7 38.5#

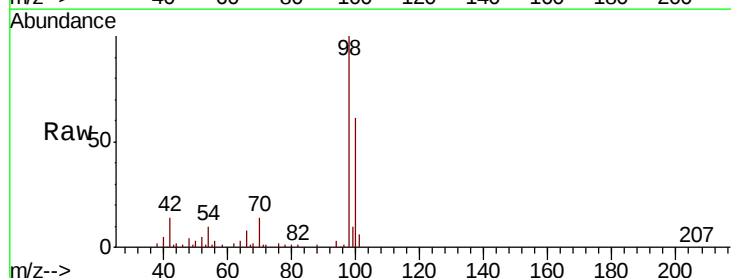


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

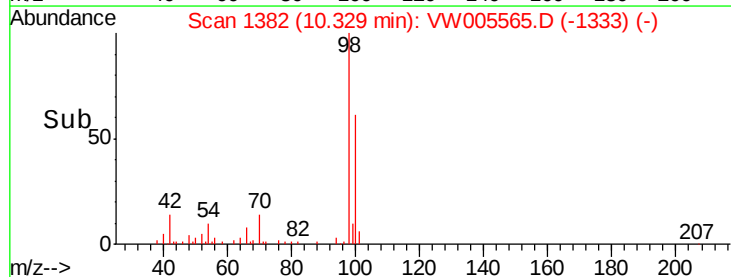
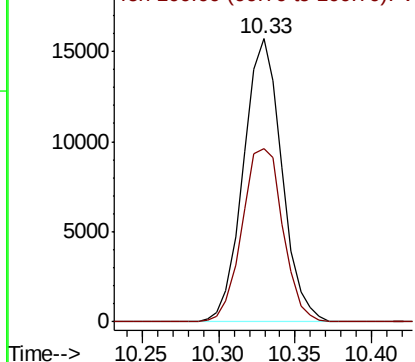


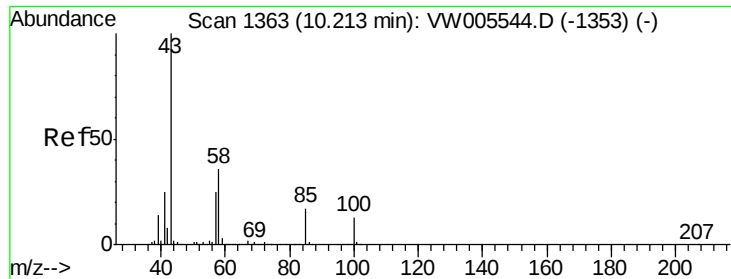
#50
Toluene-d8
Concen: 32.828 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Tgt Ion: 98 Resp: 27477
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

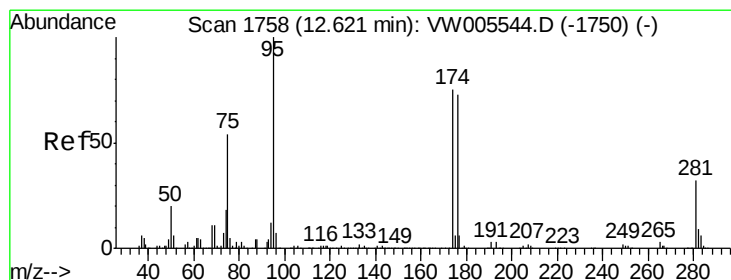
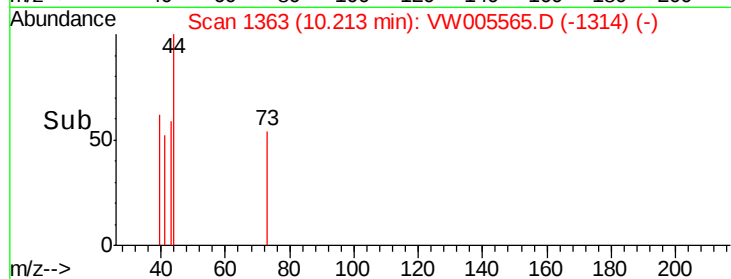
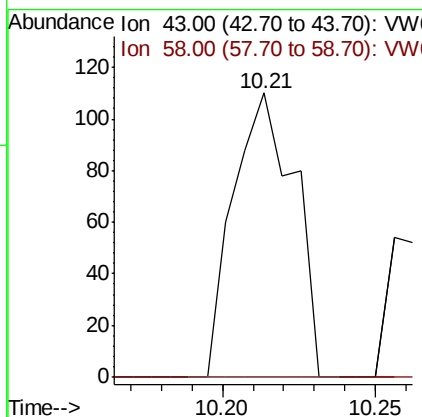
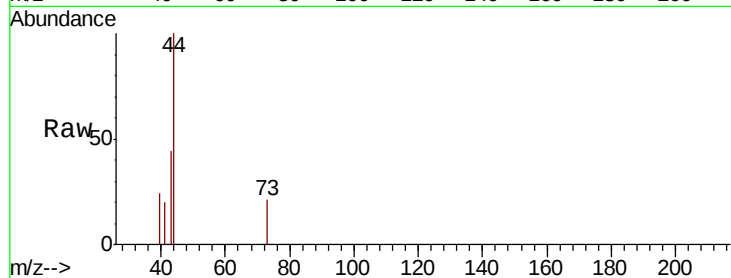




#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

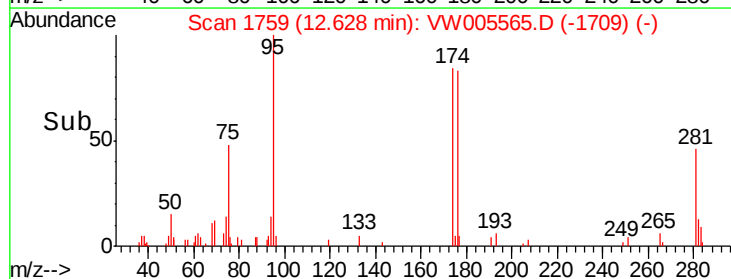
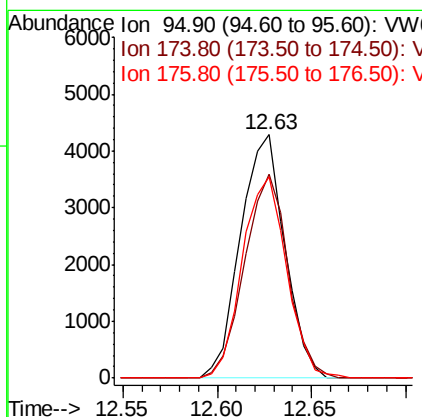
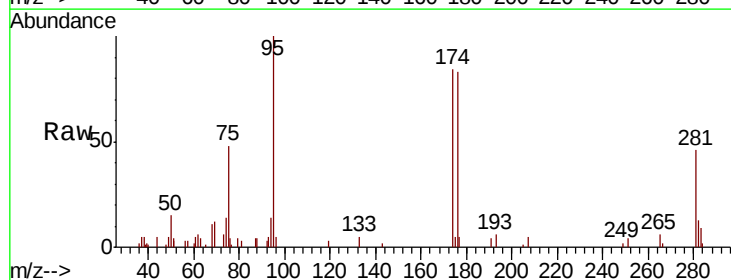
Instrument :
MSVOA_W
ClientSampled :

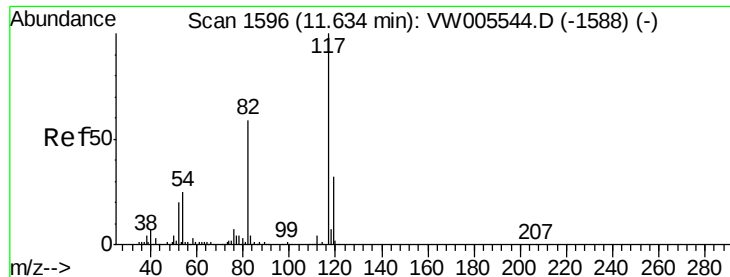
Tot Ion: 43 Resp: 152
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#



#62
4-Bromofluorobenzene
Concen: 22.505 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Tgt Ion: 95 Resp: 6970
Ion Ratio Lower Upper
95 100
174 82.5 0.0 163.8
176 82.9 0.0 158.0

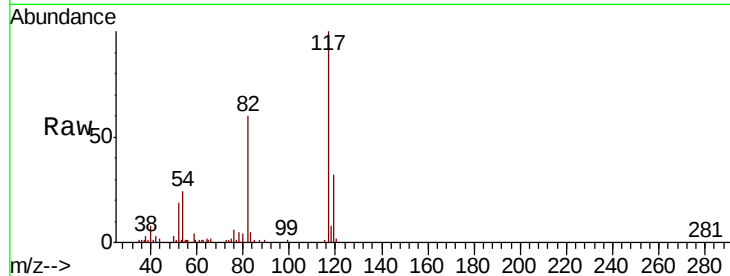




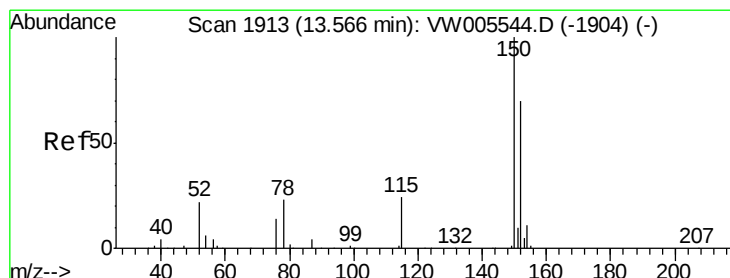
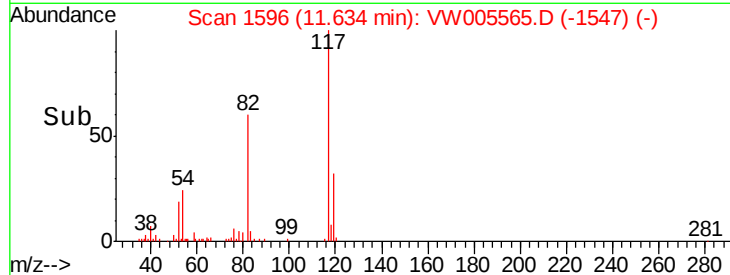
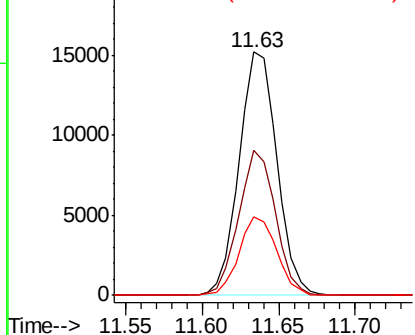
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 26165
Ion Ratio Lower Upper
117 100
82 59.8 46.9 70.3
119 32.4 25.7 38.5

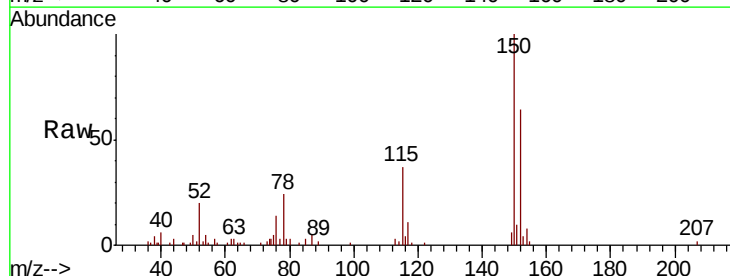


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

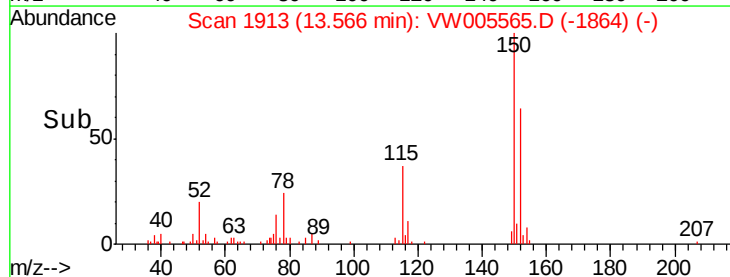
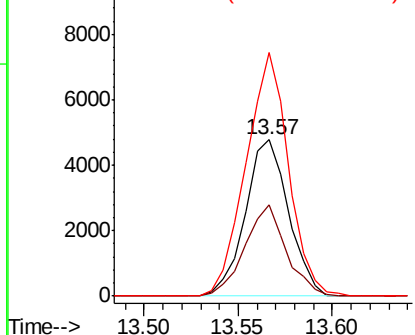


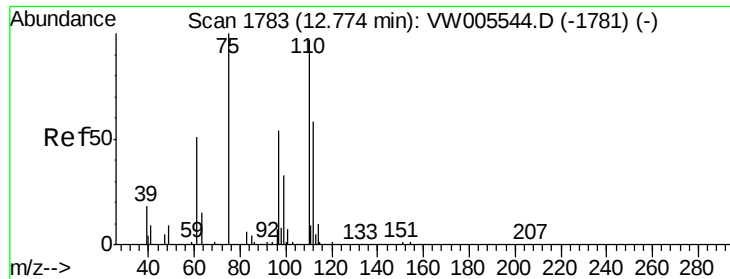
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Tgt Ion:152 Resp: 7599
Ion Ratio Lower Upper
152 100
115 55.8 30.0 90.0
150 152.9 0.0 348.6



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: 54.835 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

Instrument :

MSVOA_W

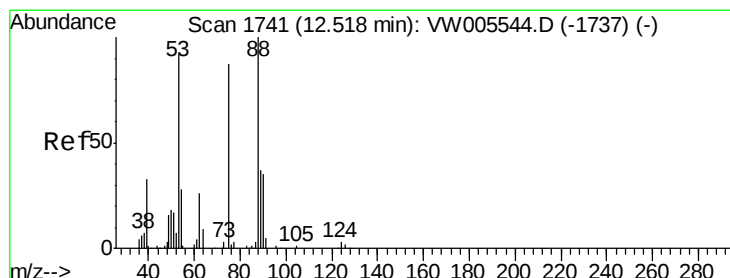
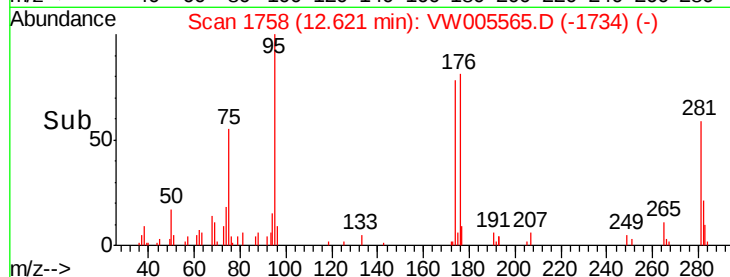
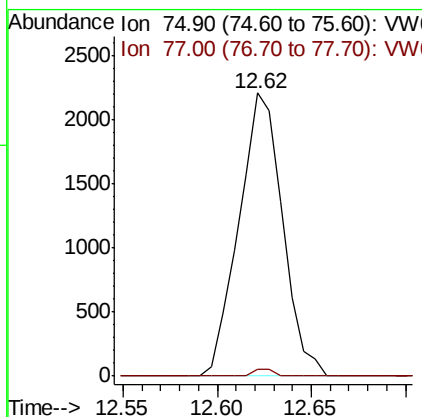
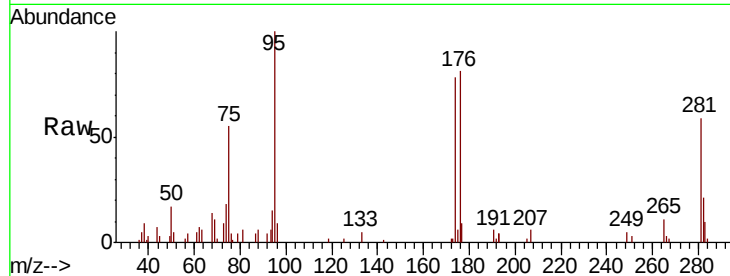
ClientSampleId :

Tot Ion: 75 Resp: 3552

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.505 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005565.D

Acq: 21 Sep 2018 17:23

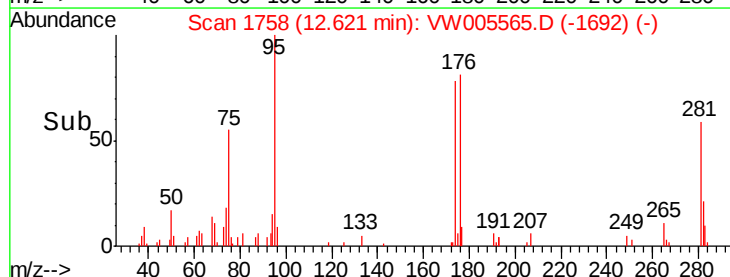
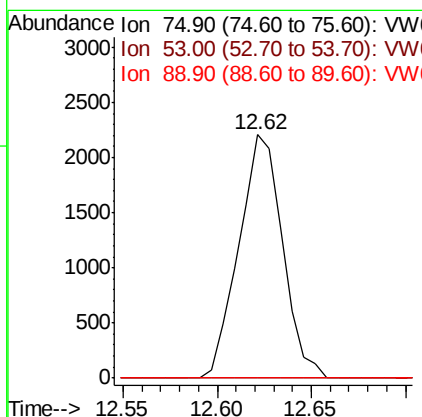
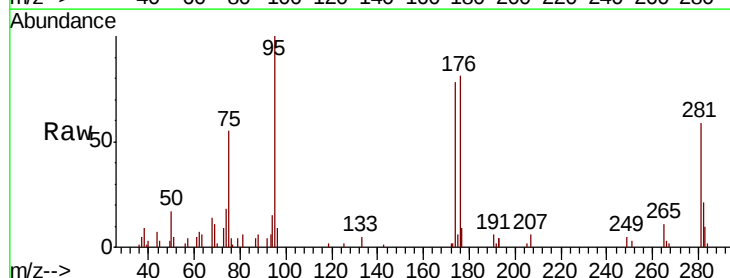
Tgt Ion: 75 Resp: 3552

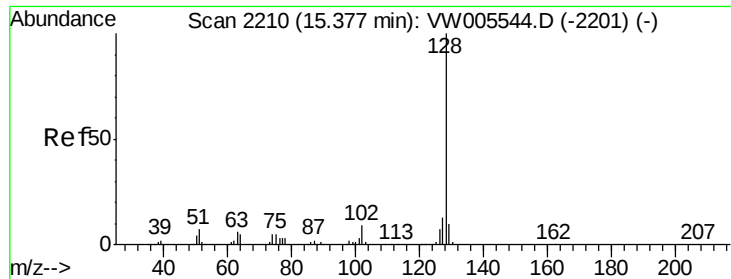
Ion Ratio Lower Upper

75 100

53 0.0 85.8 128.6#

89 0.0 37.3 55.9#





#95
Naphthalene
Concen: 6.063 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005565.D
Acq: 21 Sep 2018 17:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.9	16.3
129	6.7	8.6	13.0

