

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005562.D
 Acq On : 21 Sep 2018 16:06
 Operator : VA/AP
 Sample : J5042-01
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 17:48:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	162730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	255459	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	222916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	86572	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	74611	38.92	ug/l	0.00
Spiked Amount			Recovery	=	77.84%	
35) Dibromofluoromethane	7.89	113	65144	40.55	ug/l	0.00
Spiked Amount			Recovery	=	81.10%	
50) Toluene-d8	10.33	98	234181	35.80	ug/l	0.00
Spiked Amount			Recovery	=	71.60%	
62) 4-Bromofluorobenzene	12.62	95	71439	29.52	ug/l	0.00
Spiked Amount			Recovery	=	59.04%	

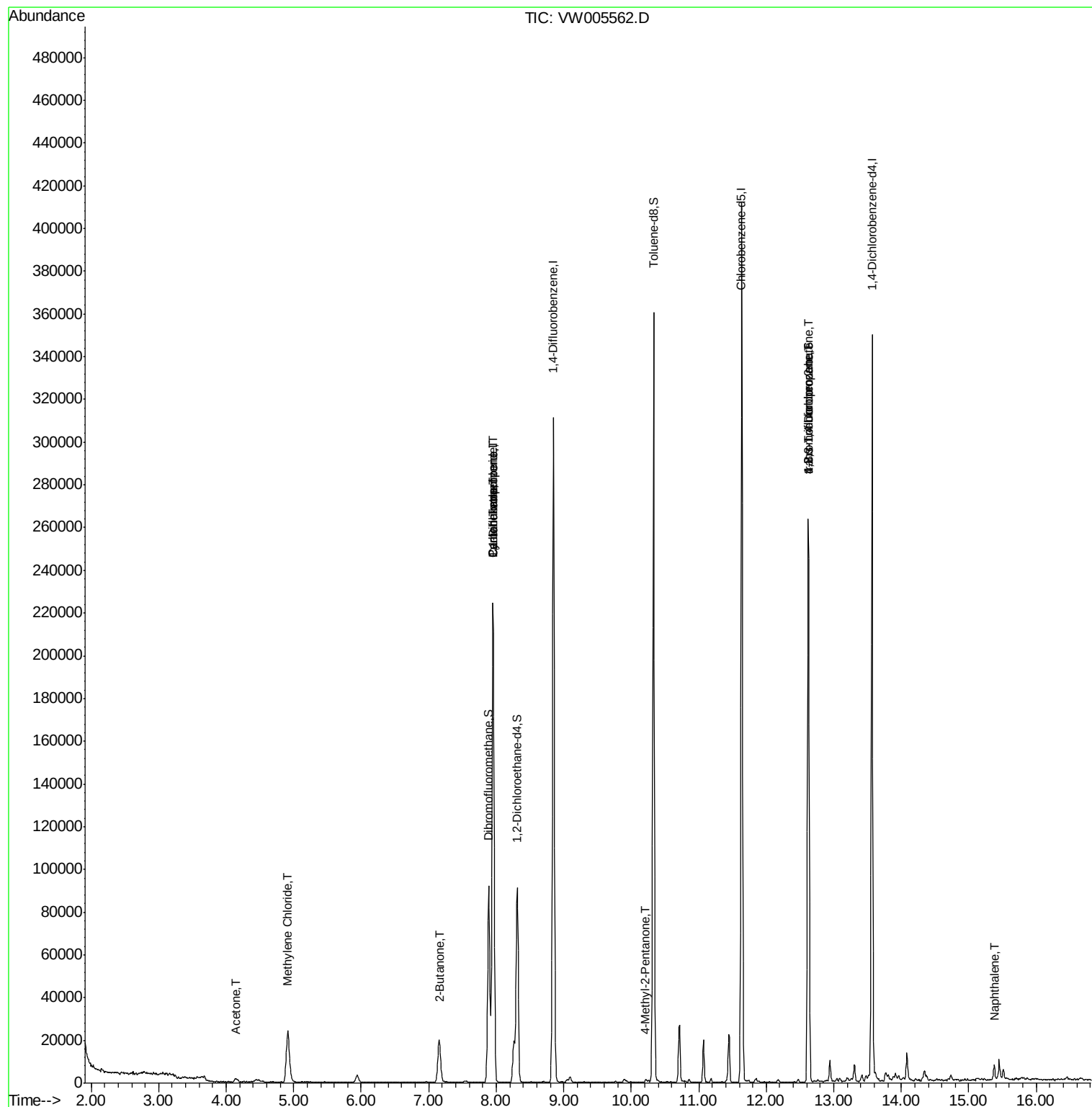
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	202	Below Cal	#	72
13) Acrolein	3.61	56	23	Below Cal	#	1
16) Acetone	4.15	43	3270	1.469	ug/l #	77
20) Methylene Chloride	4.92	84	18906	8.184	ug/l	97
25) 2-Butanone	7.17	43	1323	2.841	ug/l #	50
31) Cyclohexane	7.95	56	4109	1.383	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	13416	5.217	ug/l #	50
38) Carbon Tetrachloride	7.95	117	16345	5.931	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	1201	1.121	ug/l #	75
76) 1,2,3-Trichloropropane	12.62	75	37829	51.261	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37829	115.455	ug/l #	7
95) Naphthalene	15.38	128	5793	1.901	ug/l	96

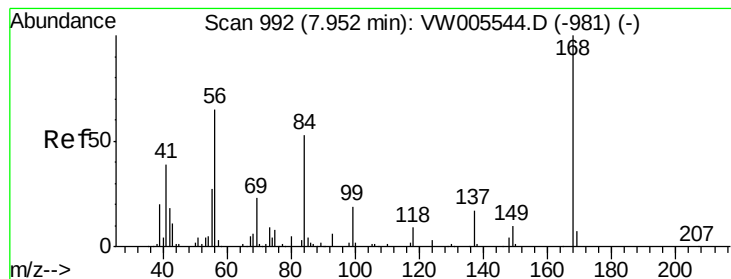
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005562.D

Acq: 21 Sep 2018 16:06

Instrument :

MSVOA_W

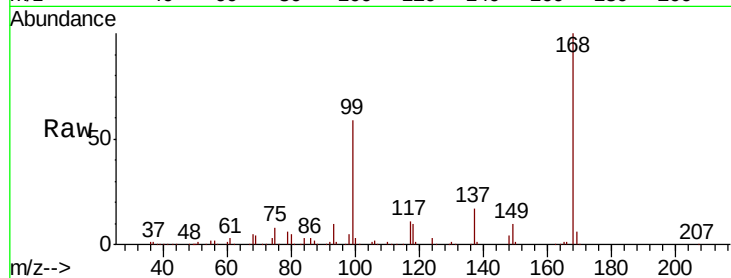
ClientSampled :

Tot Ion:168 Resp: 162730

Ion Ratio Lower Upper

168 100

99 59.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

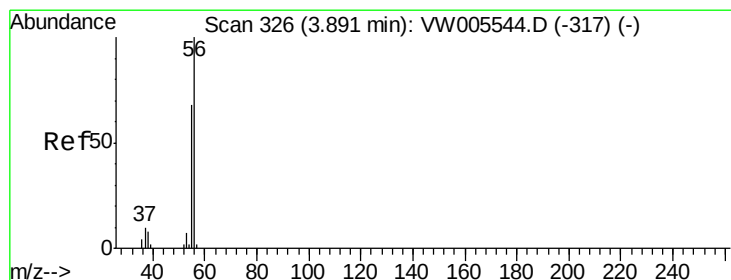
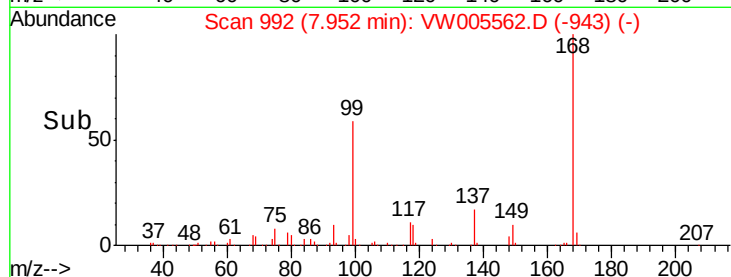
20000

0

Time-->

7.90

8.00



#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 280

Delta R.T. -0.28 min

Lab File: VW005562.D

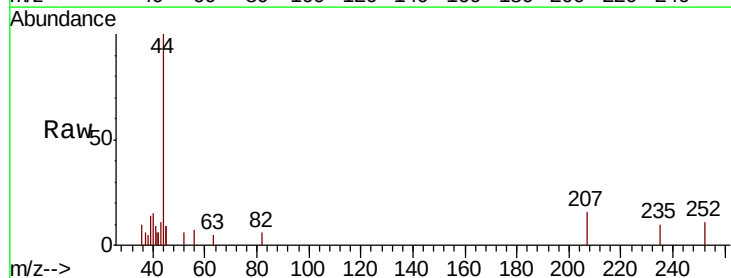
Acq: 21 Sep 2018 16:06

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 456.5 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

100

80

60

40

20

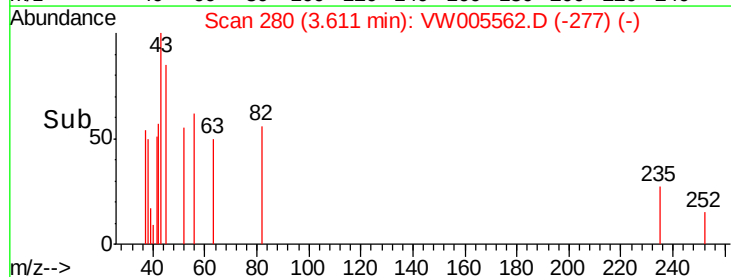
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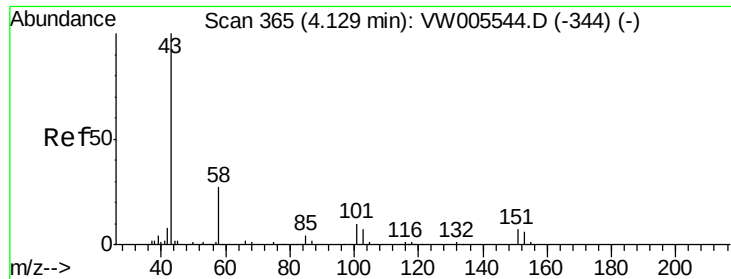
Time-->

3.60

3.61

3.62





#16

Acetone

Concen: 1.469 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW005562.D

Acq: 21 Sep 2018 16:06

Instrument :

MSVOA_W

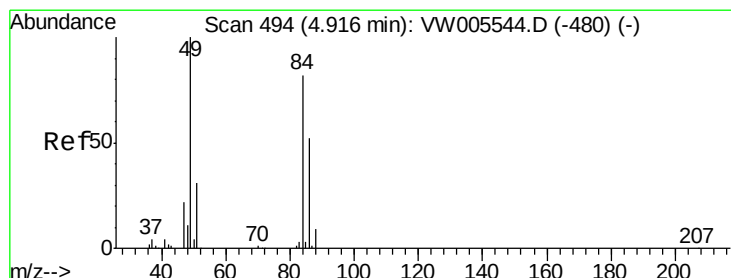
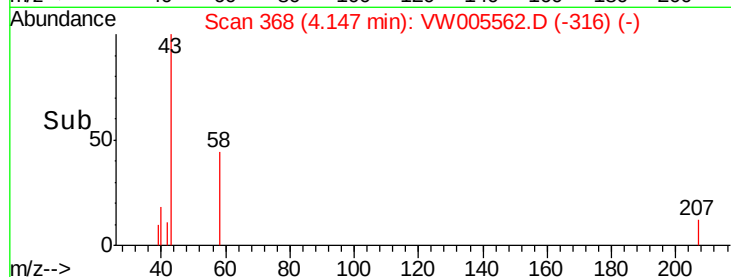
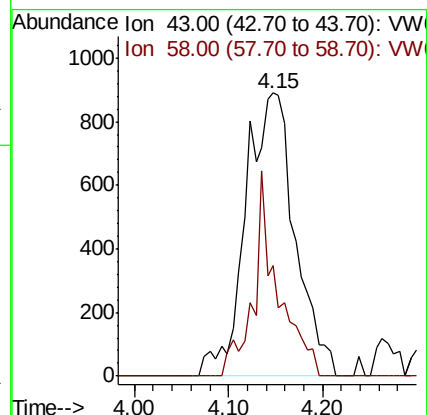
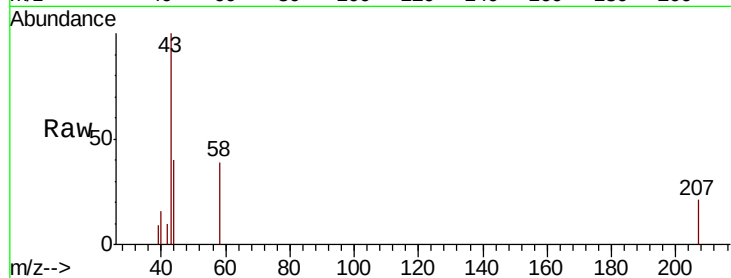
ClientSampleId :

Tot Ion: 43 Resp: 3270

Ion Ratio Lower Upper

43 100

58 39.2 21.8 32.8#



#20

Methylene Chloride

Concen: 8.184 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005562.D

Acq: 21 Sep 2018 16:06

Tgt Ion: 84 Resp: 18906

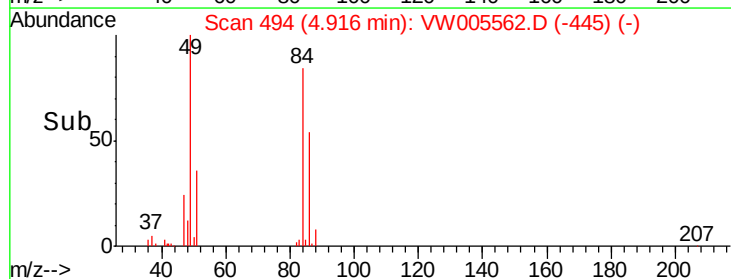
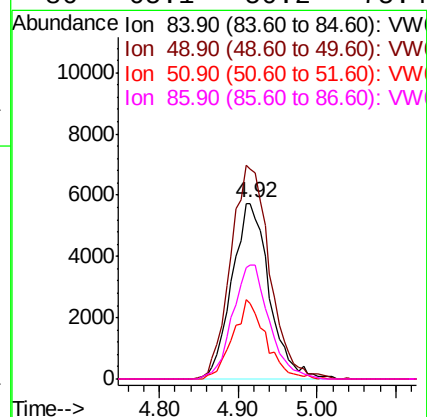
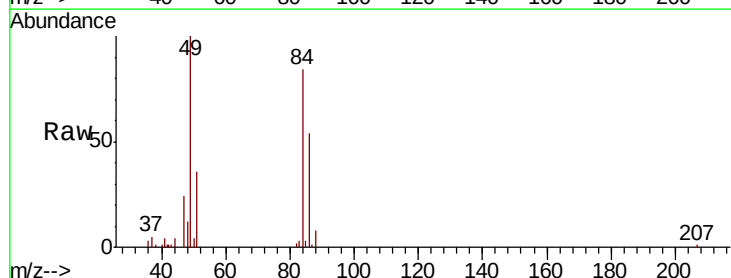
Ion Ratio Lower Upper

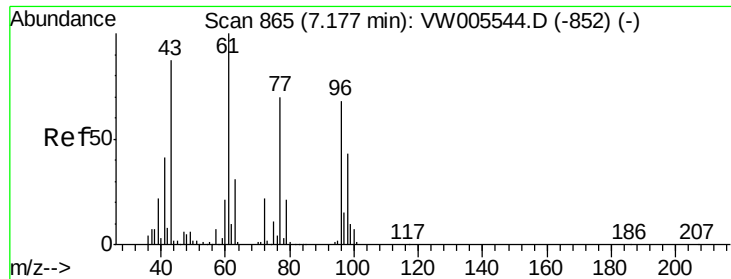
84 100

49 119.6 97.0 145.6

51 42.7 30.2 45.2

86 65.1 50.2 75.4

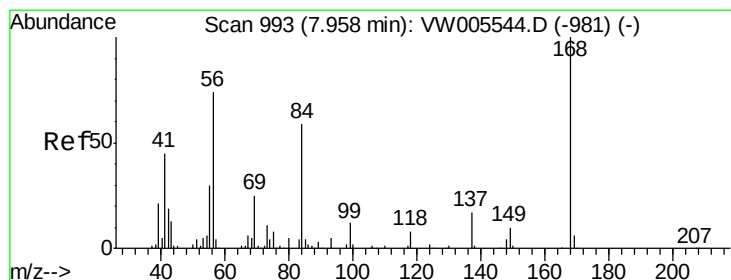
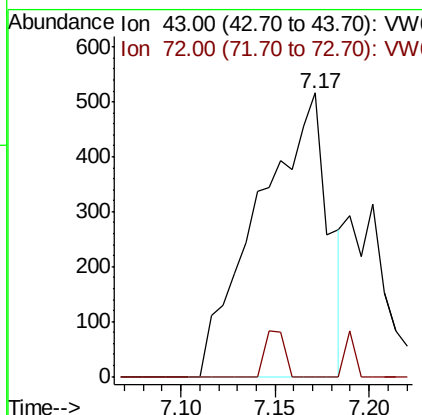
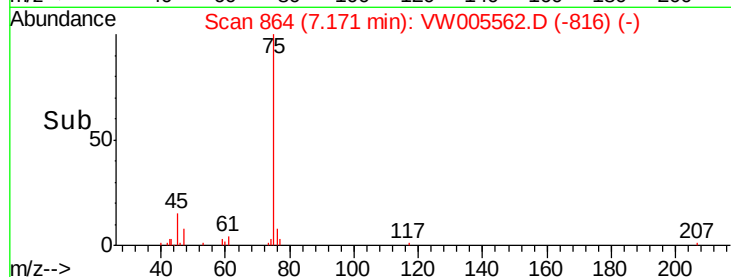
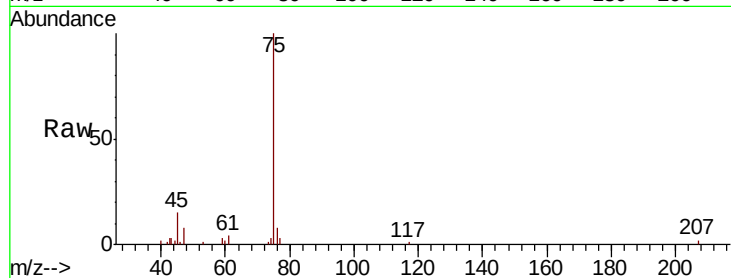




#25
2-Butanone
Concen: 2.841 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

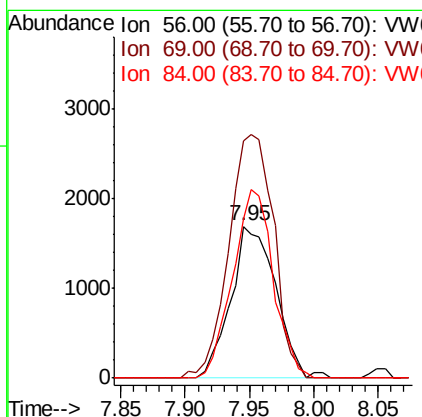
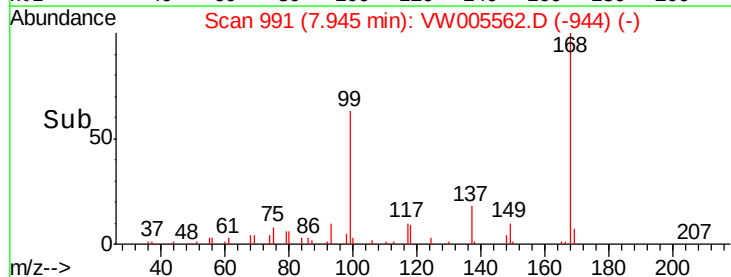
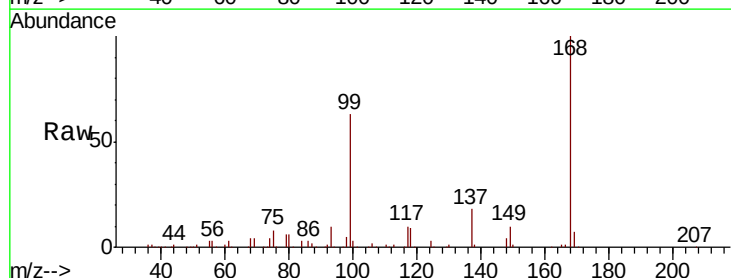
Instrument :
MSVOA_W
ClientSampleId :

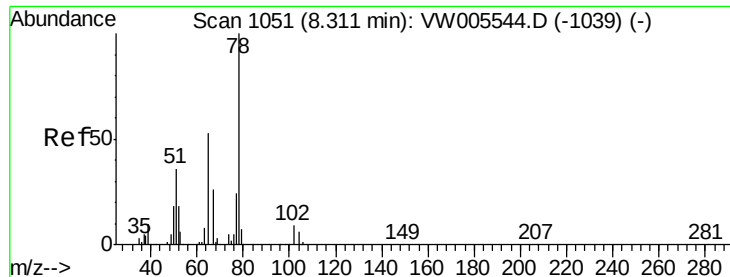
Tot Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

Tgt Ion: 56 Resp: 4109
Ion Ratio Lower Upper
56 100
69 156.5 27.0 40.4#
84 104.5 64.2 96.4#

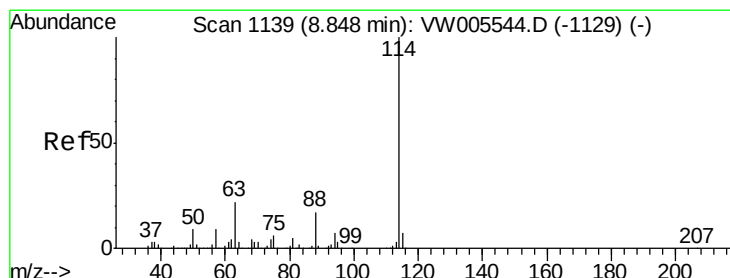
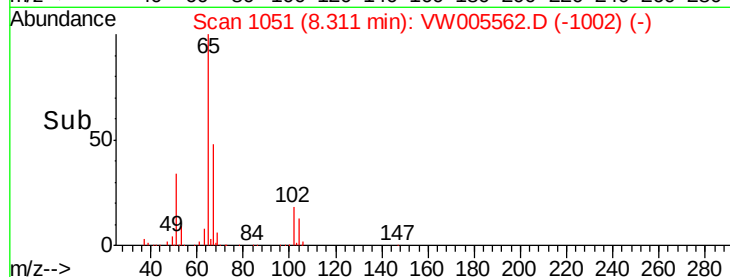
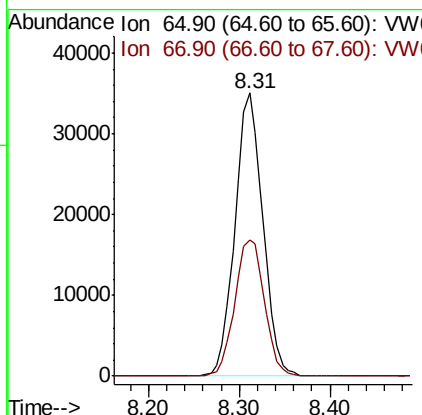
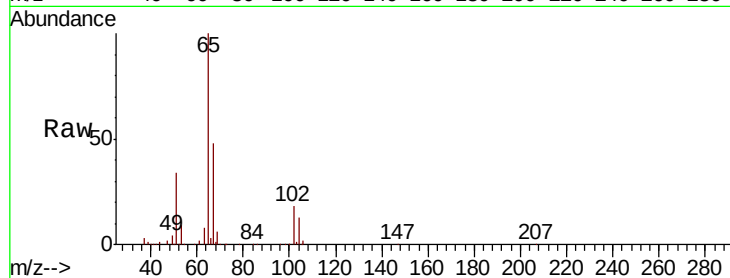




#33
 1,2-Dichloroethane-d4
 Concen: 38.919 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

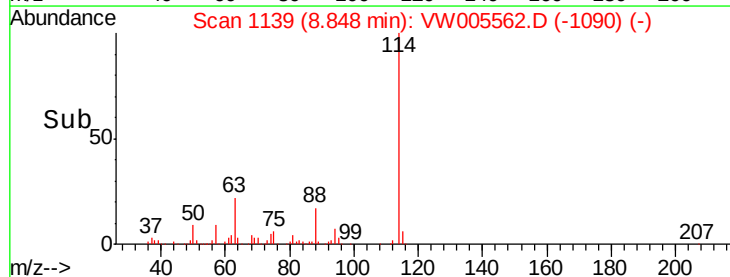
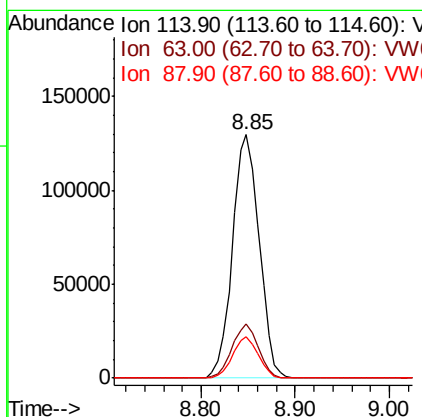
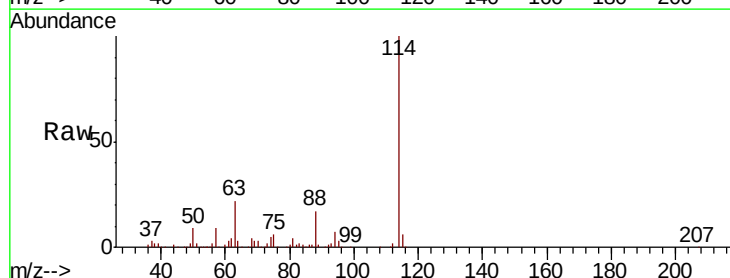
Instrument :
 MSVOA_W
 ClientSampleId :

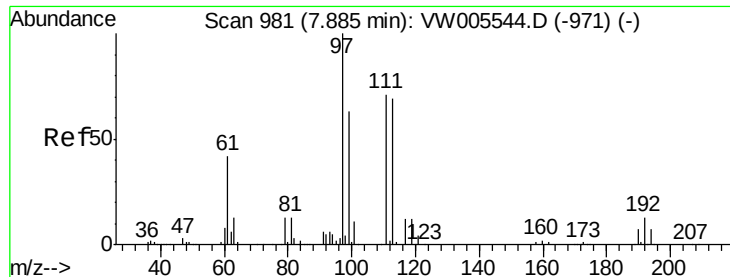
Tot Ion: 65 Resp: 74611
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

Tgt Ion: 114 Resp: 255459
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.0
 88 17.1 0.0 33.0

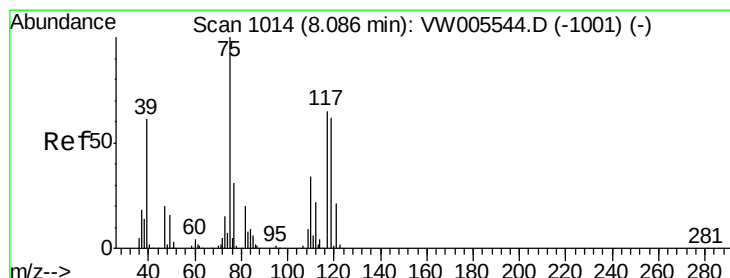
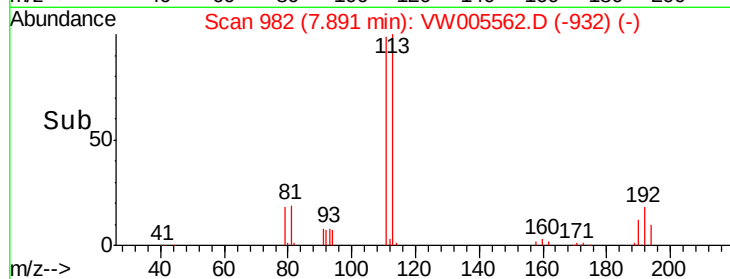
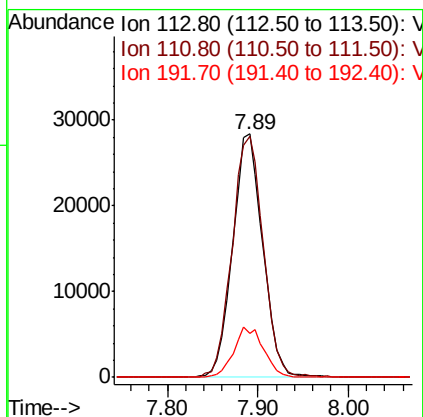
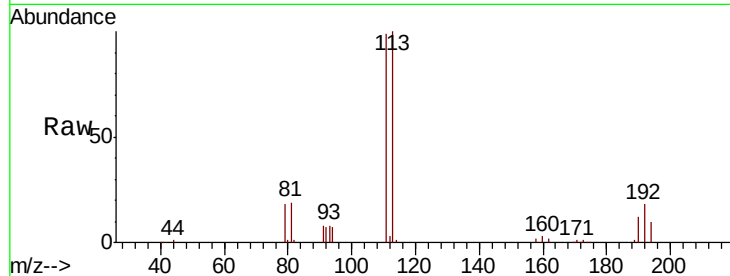




#35
 Dibromofluoromethane
 Concen: 40.551 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

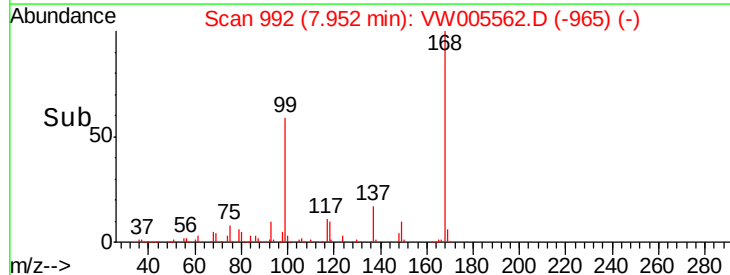
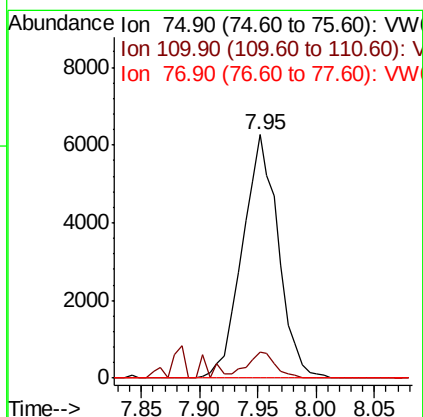
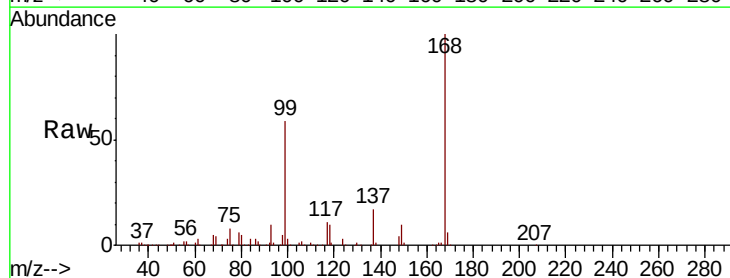
Instrument :
 MSVOA_W
 ClientSampleId :

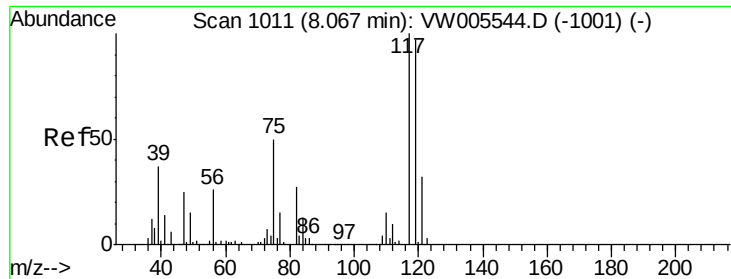
Tot Ion:113 Resp: 65144
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 20.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.217 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

Tgt Ion: 75 Resp: 13416
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 50.9#
 77 0.0 24.8 37.2#

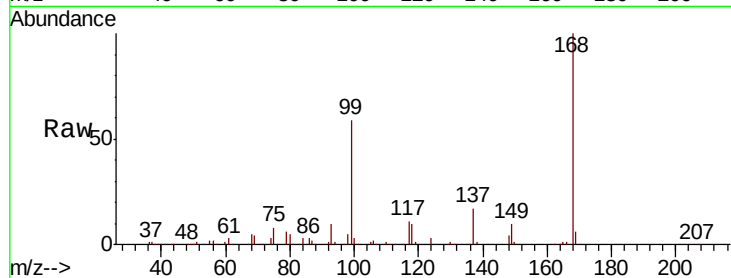




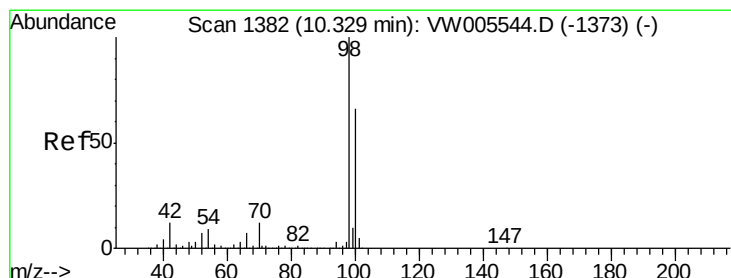
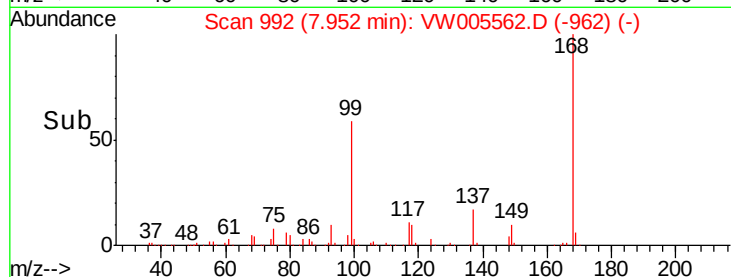
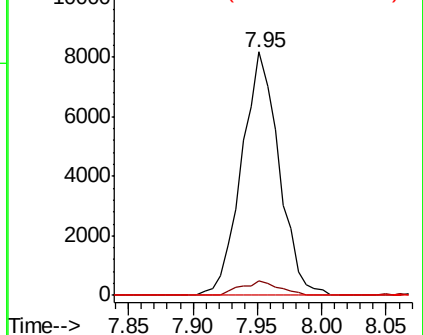
#38
Carbon Tetrachloride
Concen: 5.931 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 16345
Ion Ratio Lower Upper
117 100
119 6.0 77.6 116.4#
121 0.0 25.7 38.5#

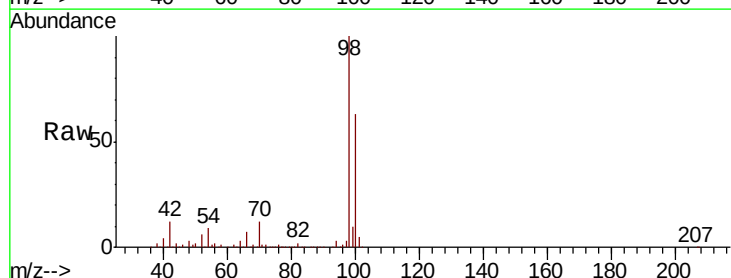


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

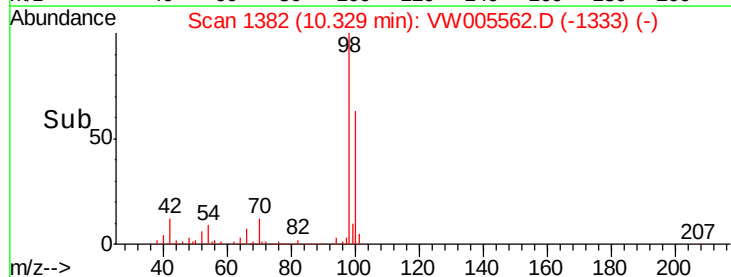
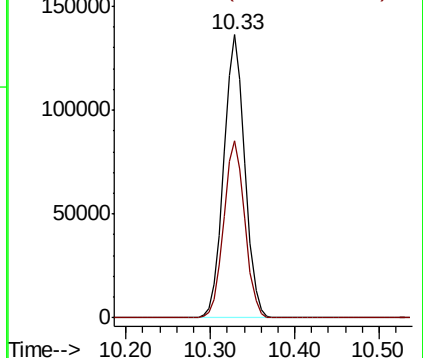


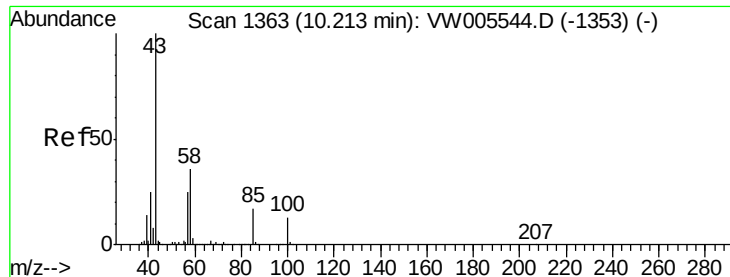
#50
Toluene-d8
Concen: 35.801 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

Tgt Ion: 98 Resp: 234181
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4



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

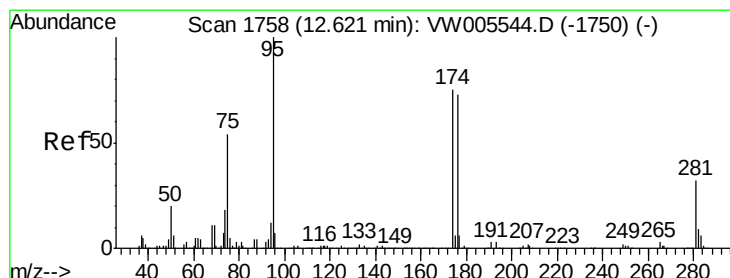
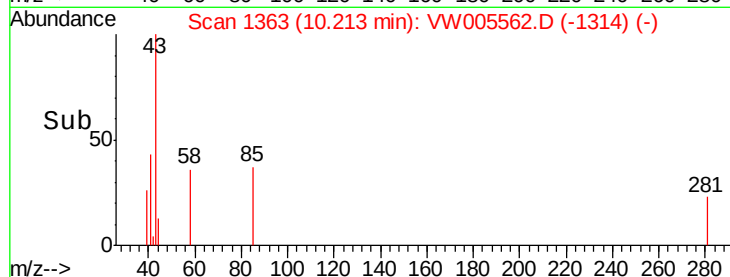
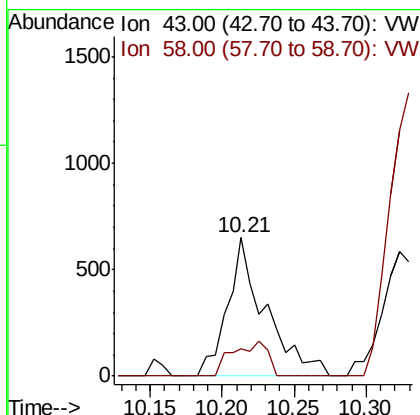
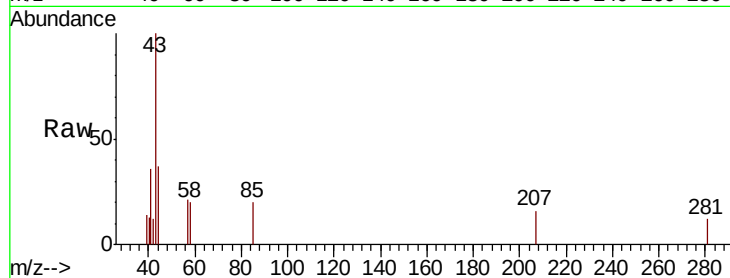




#51
 4-Methyl-2-Pentanone
 Concen: 1.121 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

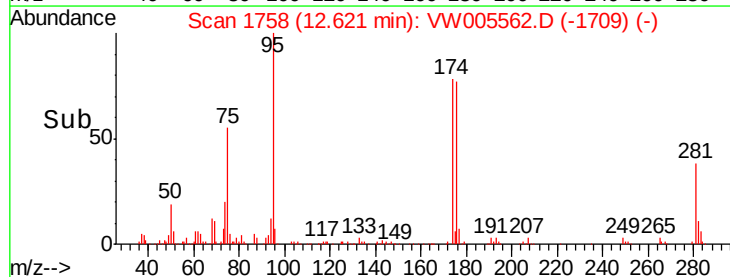
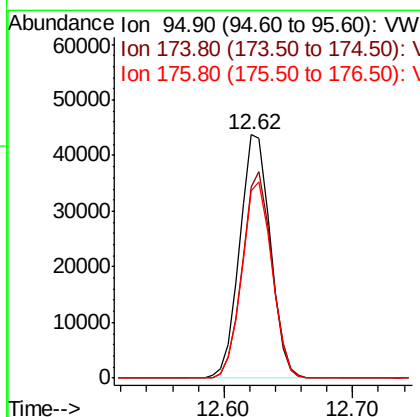
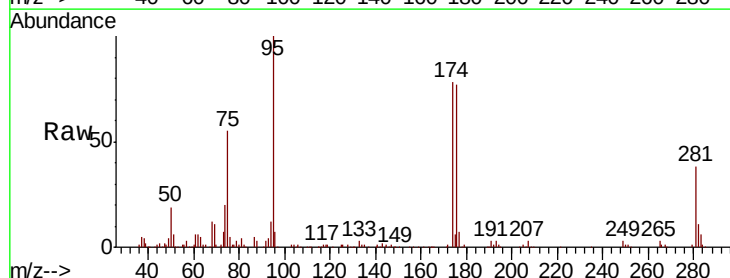
Instrument :
 MSVOA_W
 ClientSampled :

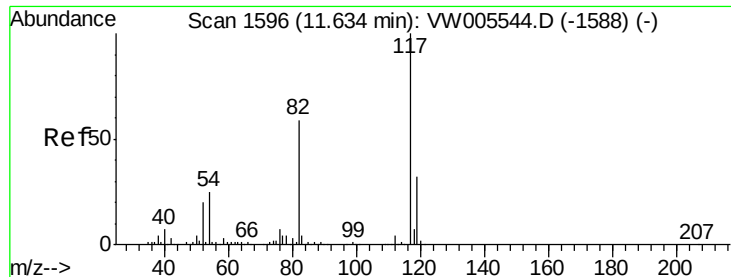
Tot Ion: 43 Resp: 1201
 Ion Ratio Lower Upper
 43 100
 58 22.8 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 29.515 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

Tgt Ion: 95 Resp: 71439
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 163.8
 176 79.2 0.0 158.0

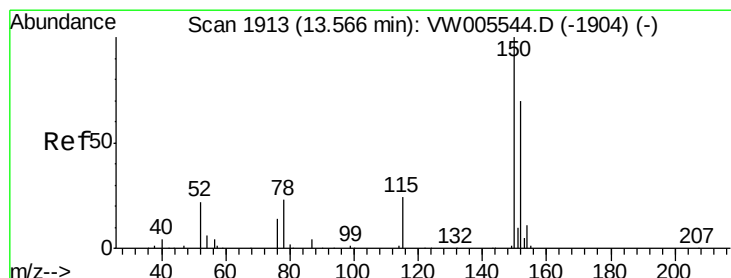
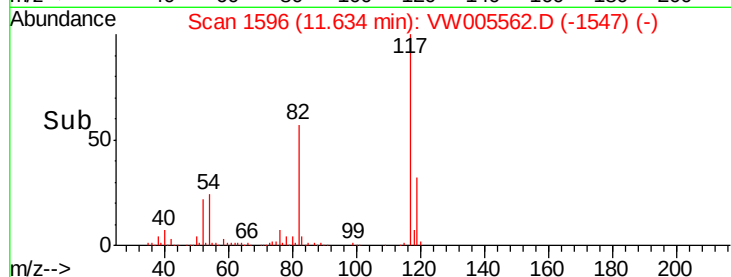
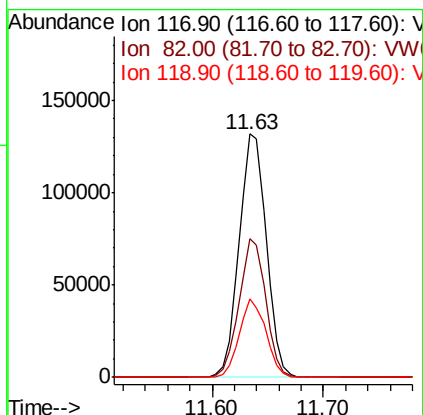
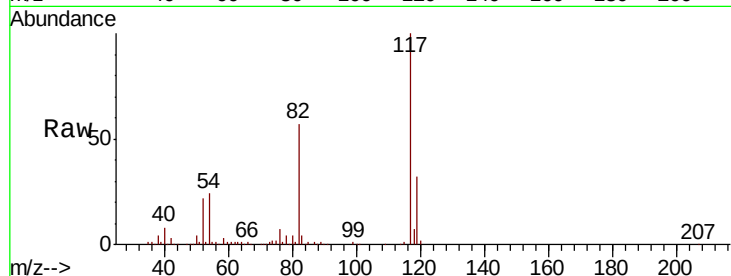




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

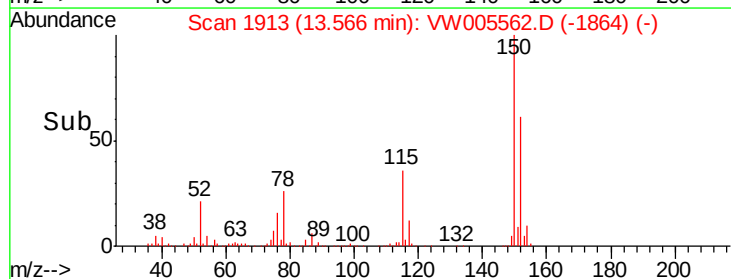
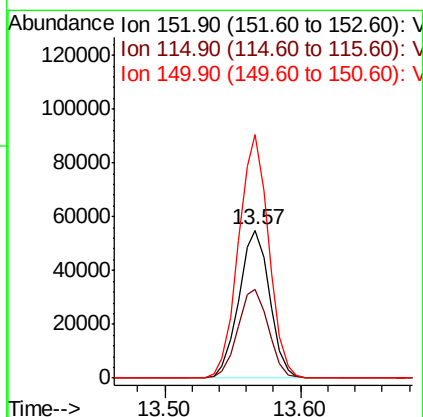
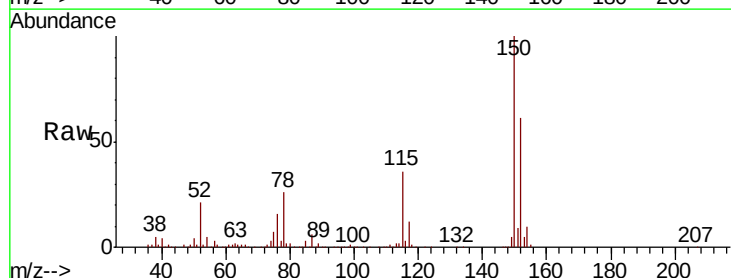
Instrument :
MSVOA_W
ClientSampleId :

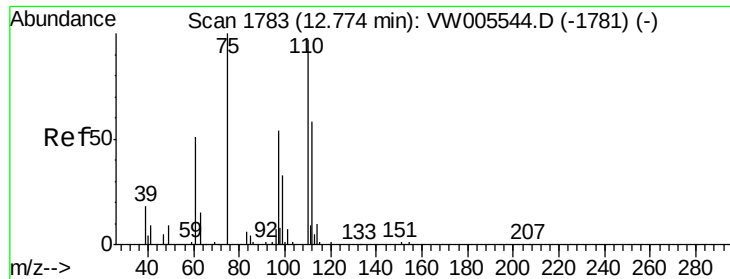
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.9	70.3
119	32.5	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005562.D
Acq: 21 Sep 2018 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	161.4	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 51.261 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005562.D

Acq: 21 Sep 2018 16:06

Instrument :

MSVOA_W

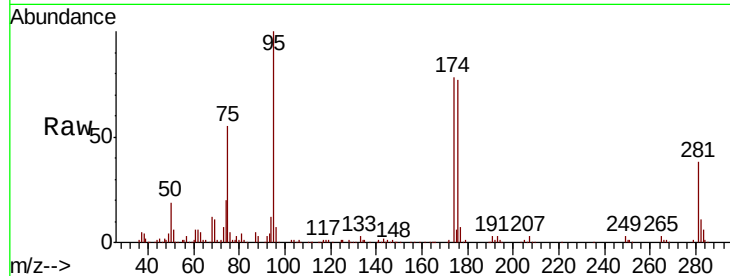
ClientSampled :

Tot Ion: 75 Resp: 37829

Ion Ratio Lower Upper

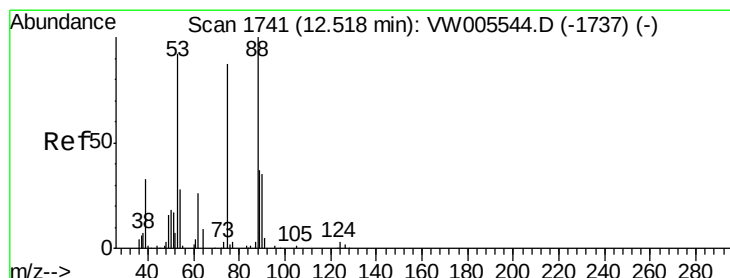
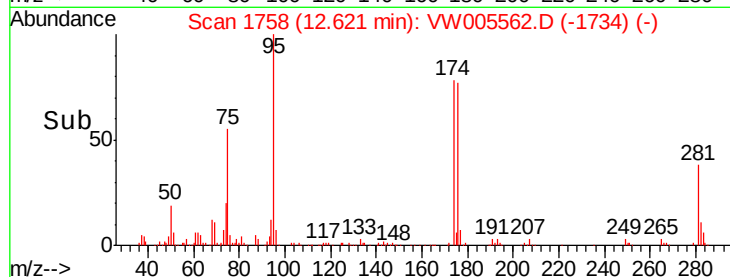
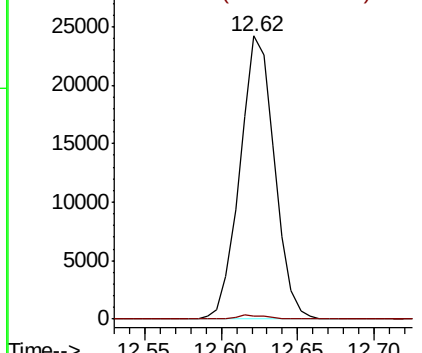
75 100

77 1.3 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: 115.455 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005562.D

Acq: 21 Sep 2018 16:06

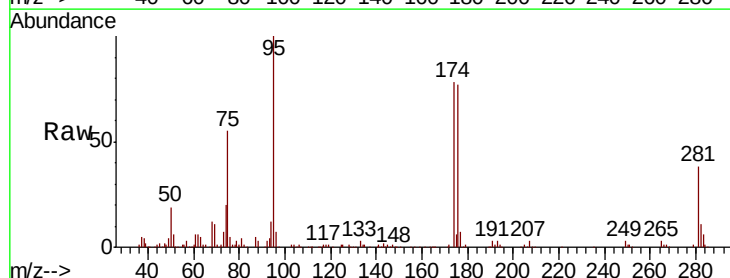
Tgt Ion: 75 Resp: 37829

Ion Ratio Lower Upper

75 100

53 0.3 85.8 128.6#

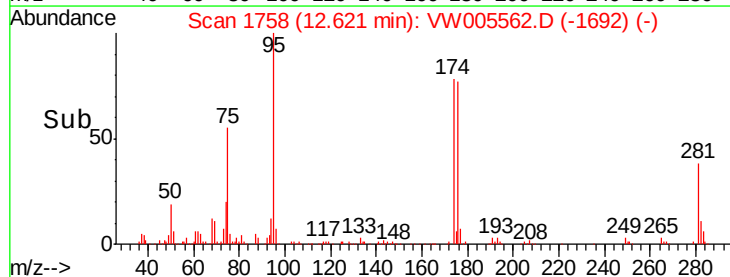
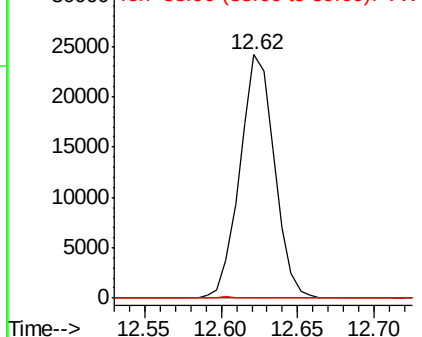
89 0.0 37.3 55.9#

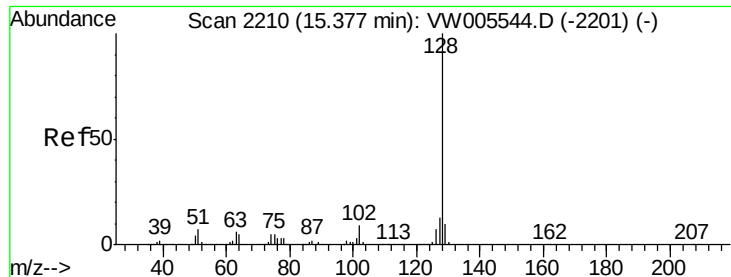


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

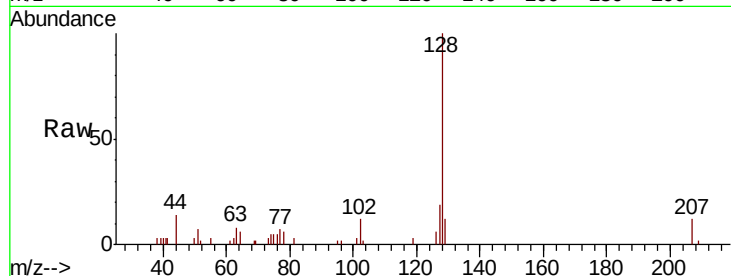




#95
 Naphthalene
 Concen: 1.901 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW005562.D
 Acq: 21 Sep 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.9	16.3
129	11.9	8.6	13.0



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

