

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
 Data File : VW005653.D
 Acq On : 26 Sep 2018 11:31
 Operator : VA/AP
 Sample : J4779-05RE
 Misc : 6.86G/5ML/MSVOA W/SOIL
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-092418-ARE

Quant Time: Sep 26 12:07:15 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

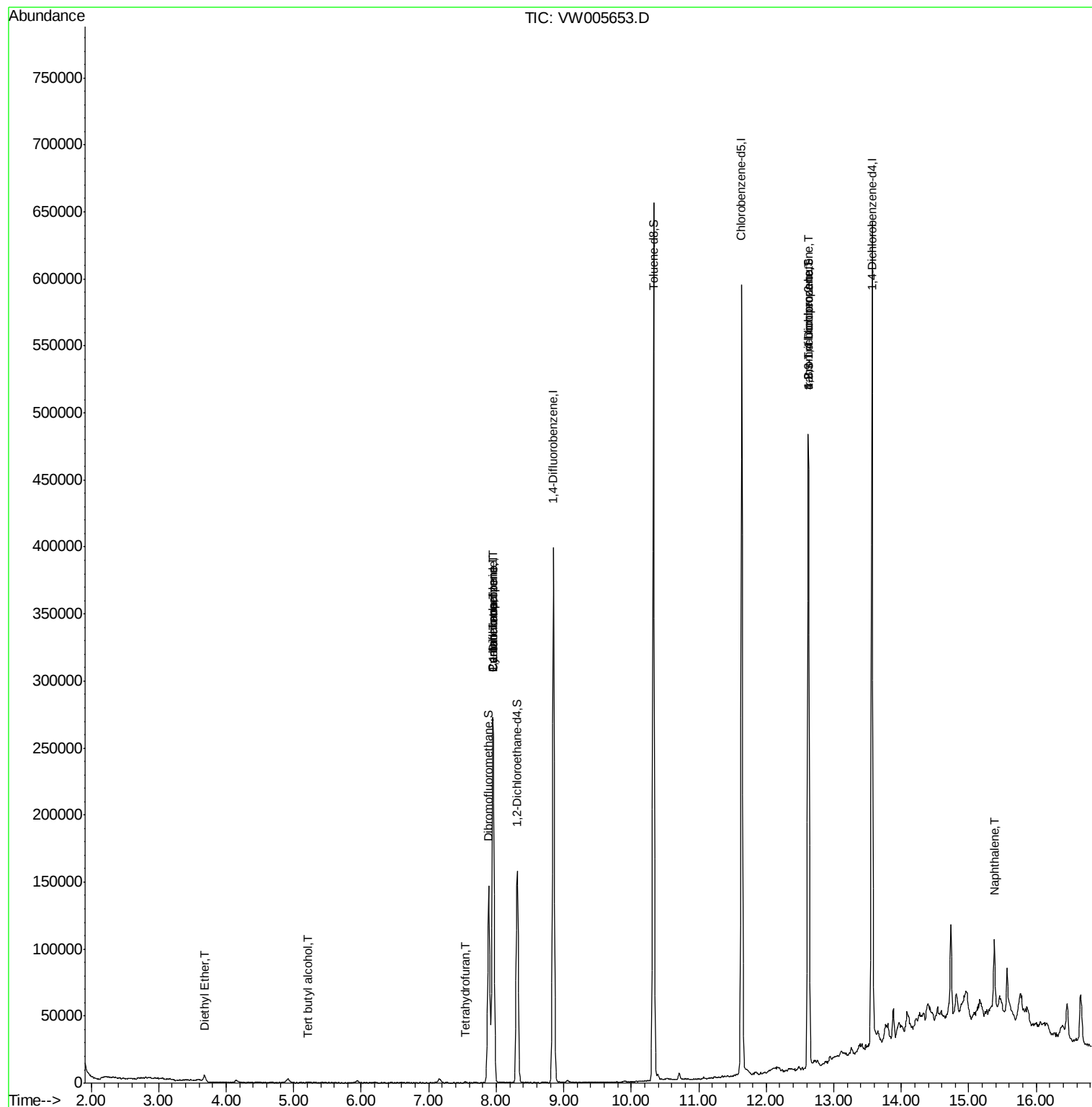
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	319430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	158325	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136471	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	7.88	113	101263	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.33	98	421063	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	148775	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.25	85	50	Below Cal	#	41
8) Diethyl Ether	3.68	74	2621	2.645	ug/l	97
11) Tert butyl alcohol	5.20	59	479	1.545	ug/l #	72
16) Acetone	4.14	43	3414	Below Cal		93
20) Methylene Chloride	4.92	84	2546	Below Cal		92
29) Tetrahydrofuran	7.54	42	412	1.142	ug/l #	65
31) Cyclohexane	7.96	56	4273	1.159	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	15573	4.843	ug/l #	50
38) Carbon Tetrachloride	7.96	117	20214	5.866	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	81553	60.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81553	136.100	ug/l #	7
95) Naphthalene	15.38	128	39011	6.999	ug/l	96

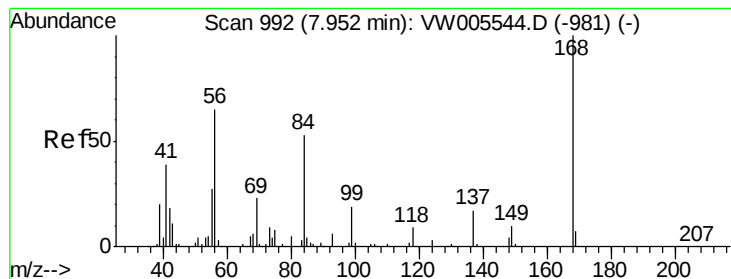
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW005653.D

Acq: 26 Sep 2018 11:31

Instrument :

MSVOA_W

ClientSampleId :

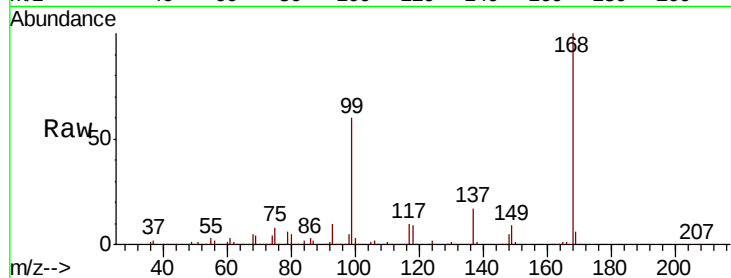
SU-02-092418-ARE

Tot Ion:168 Resp: 201818

Ion Ratio Lower Upper

168 100

99 60.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

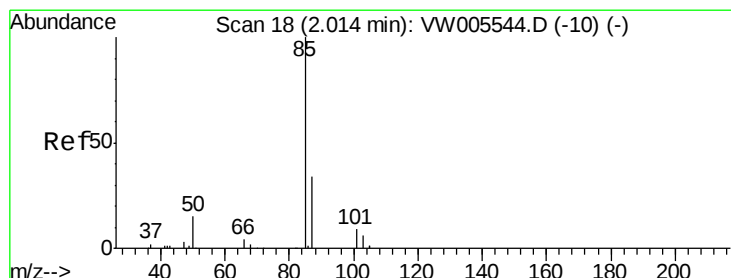
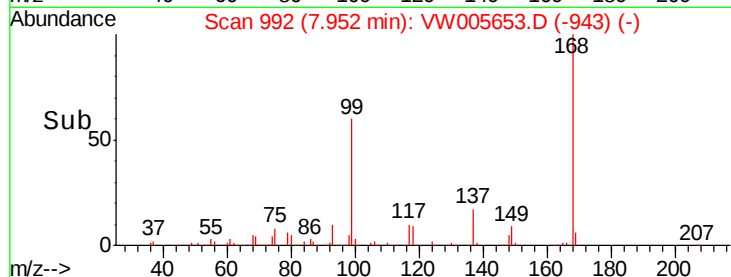
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.25 min Scan# 56

Delta R.T. 0.23 min

Lab File: VW005653.D

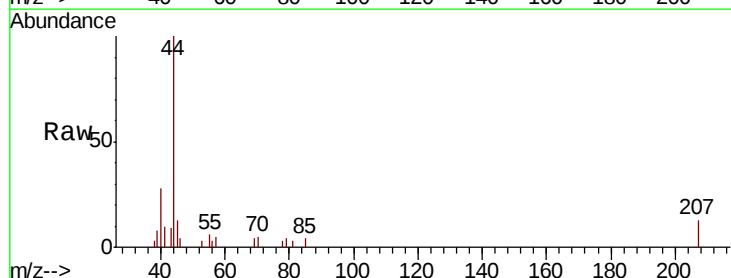
Acq: 26 Sep 2018 11:31

Tgt Ion: 85 Resp: 50

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.25

80

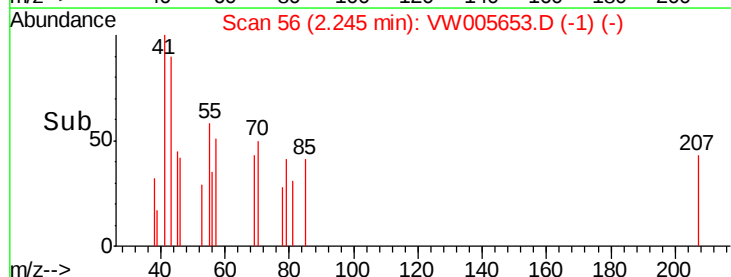
60

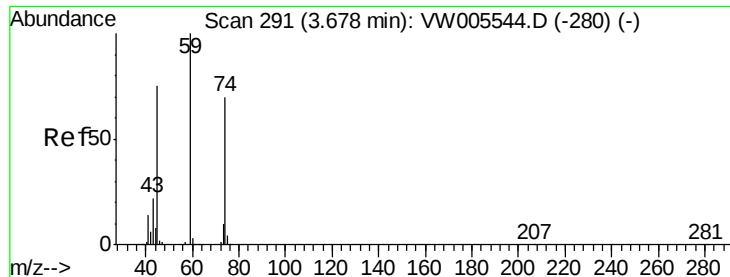
40

20

0

Time-->





#8

Diethyl Ether

Concen: 2.645 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005653.D

Acq: 26 Sep 2018 11:31

Instrument :

MSVOA_W

ClientSampleId :

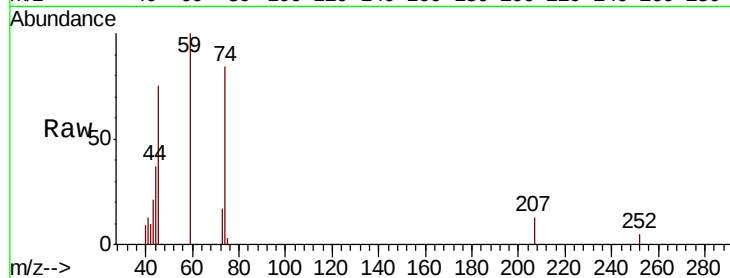
SU-02-092418-ARE

Tot Ion: 74 Resp: 2621

Ion Ratio Lower Upper

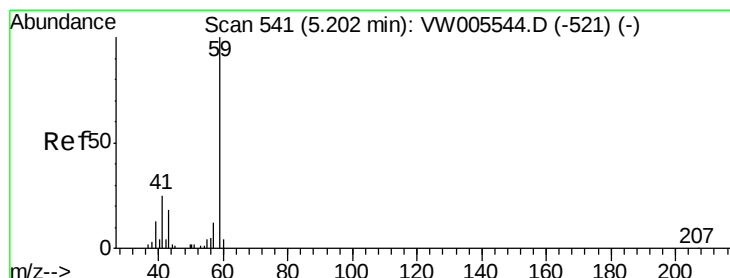
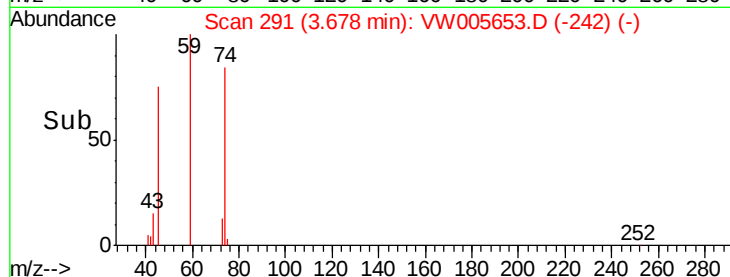
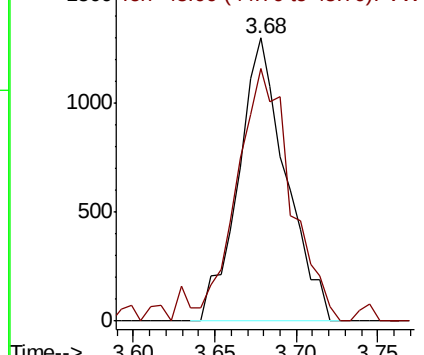
74 100

45 100.8 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 1.545 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.00 min

Lab File: VW005653.D

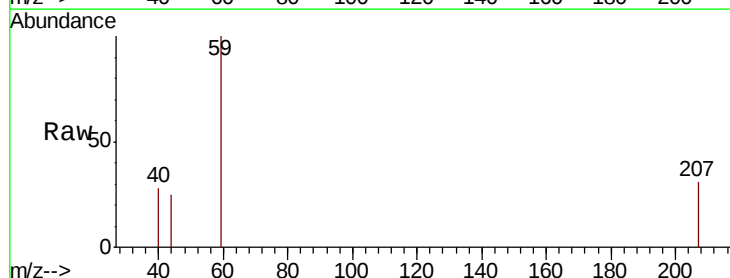
Acq: 26 Sep 2018 11:31

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

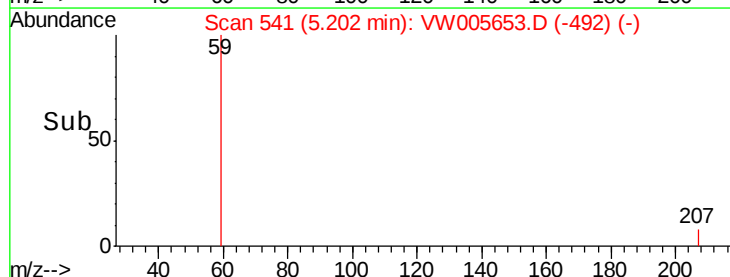
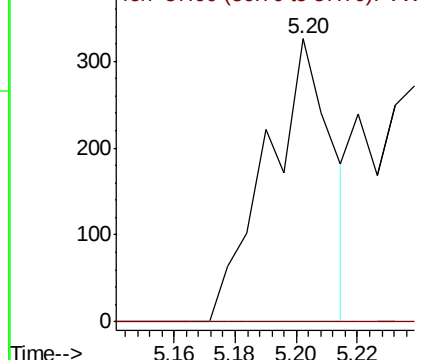
59 100

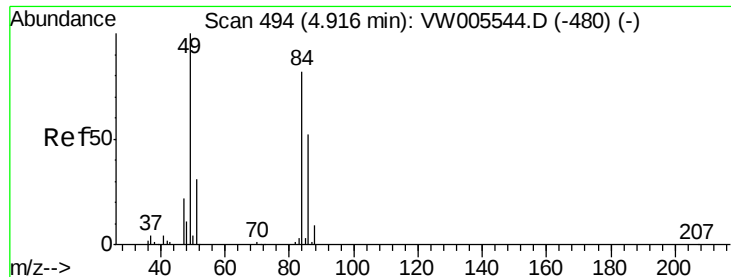
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

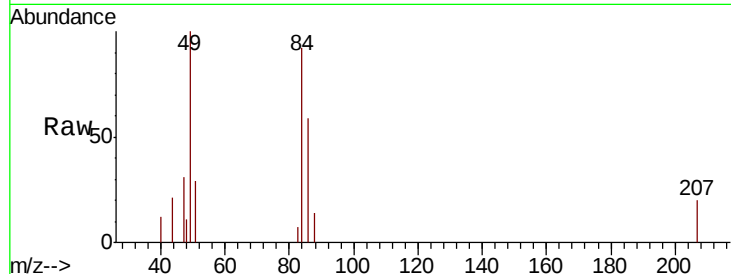




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-092418-ARE

Tot Ion:	84	Resp:	2546
Ion	Ratio	Lower	Upper
84	100		
49	108.9	97.0	145.6
51	31.5	30.2	45.2
86	63.8	50.2	75.4



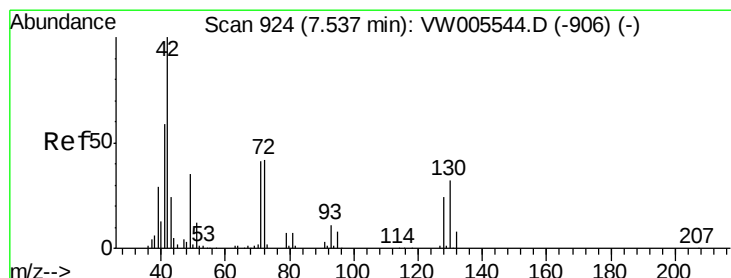
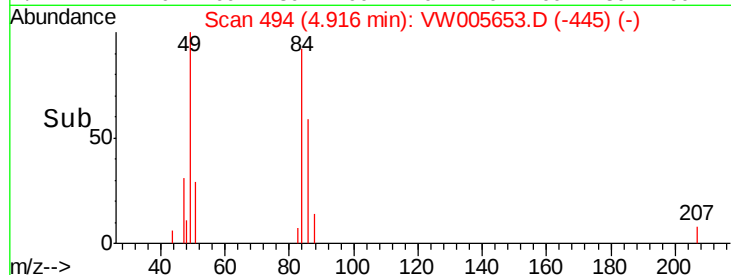
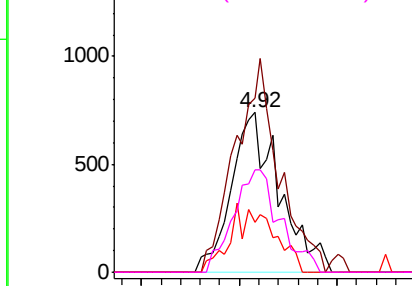
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

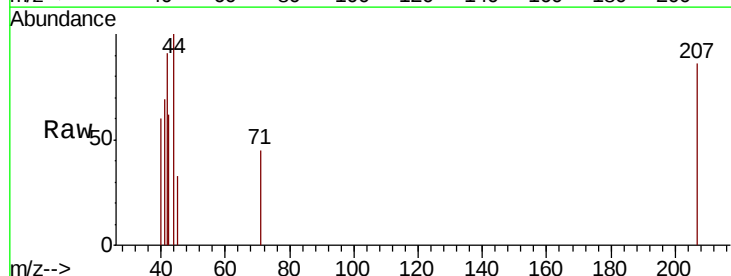
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 1.142 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Tgt Ion:	42	Resp:	412
Ion	Ratio	Lower	Upper
42	100		
72	5.6	33.6	50.4#
71	33.0	31.8	47.6

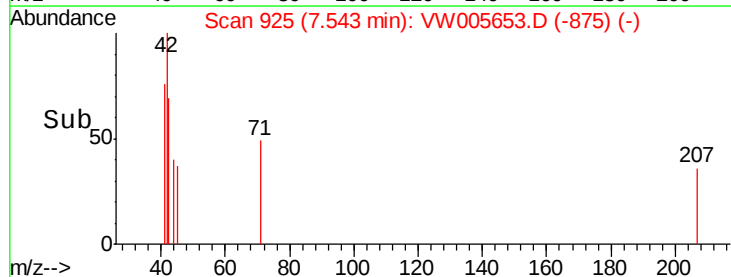
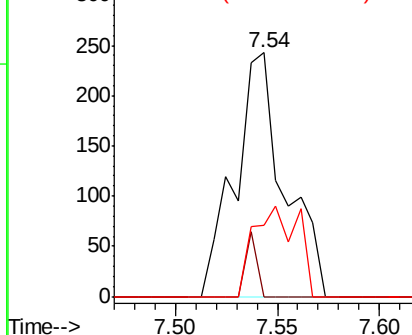


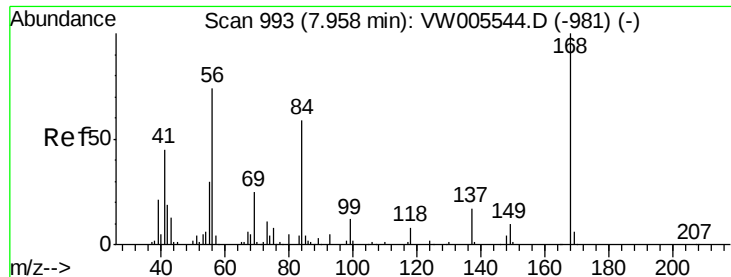
Abundance

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

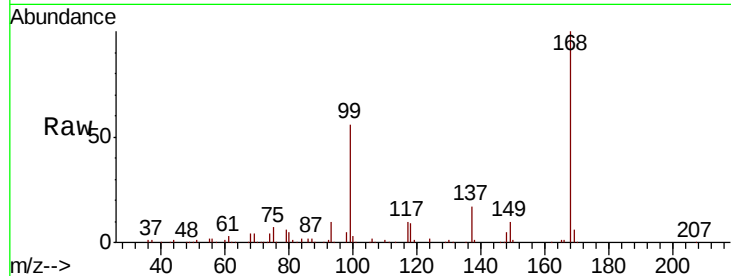




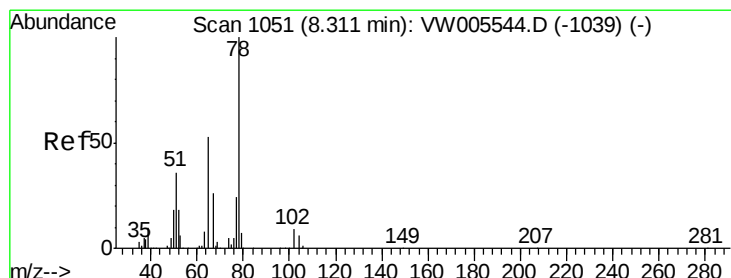
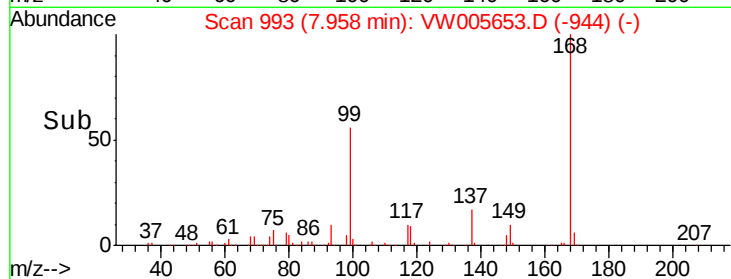
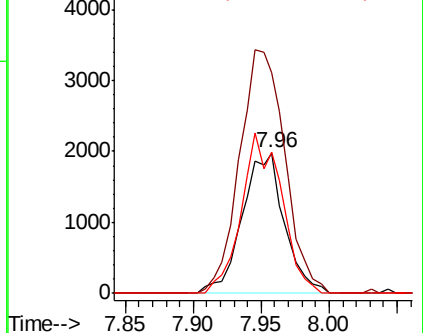
#31
Cyclohexane
Concen: 1.159 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-092418-ARE

Tot Ion: 56 Resp: 4273
Ion Ratio Lower Upper
56 100
69 156.7 27.0 40.4#
84 100.2 64.2 96.4#

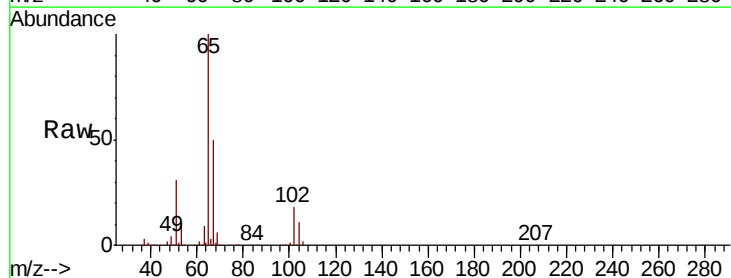


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

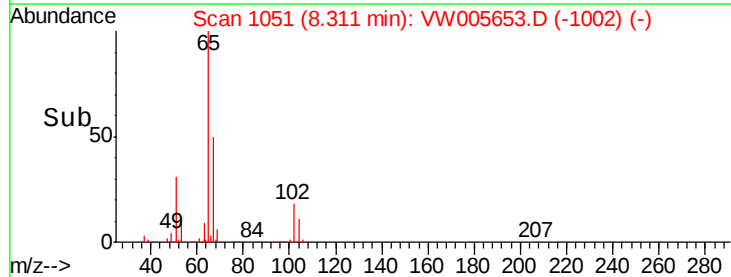
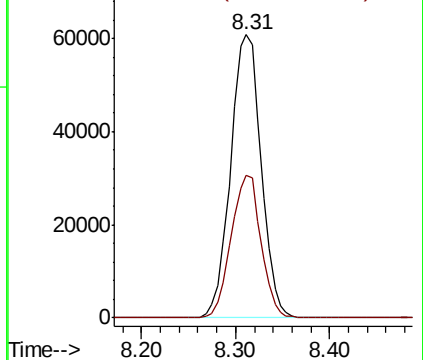


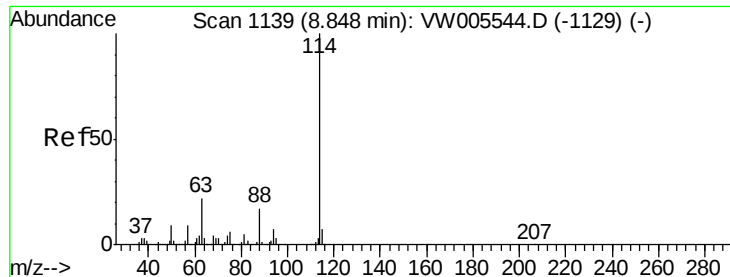
#33
1,2-Dichloroethane-d4
Concen: 57.400 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Tgt Ion: 65 Resp: 136471
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

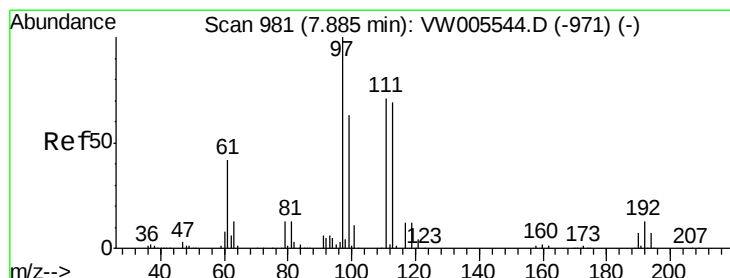
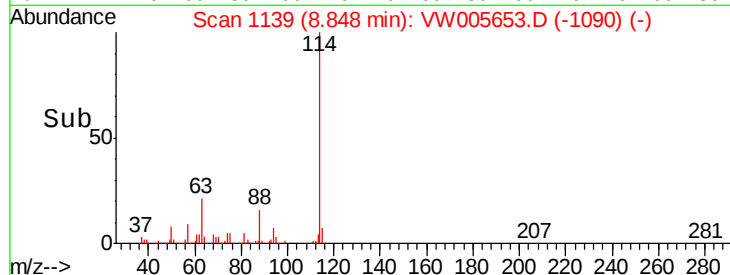
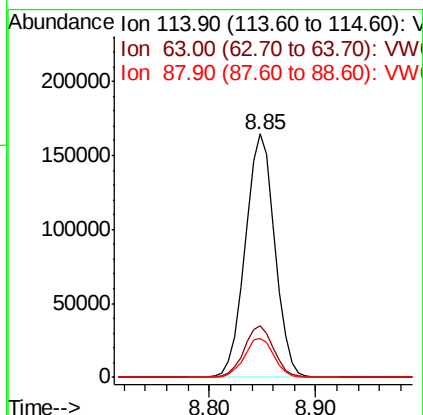
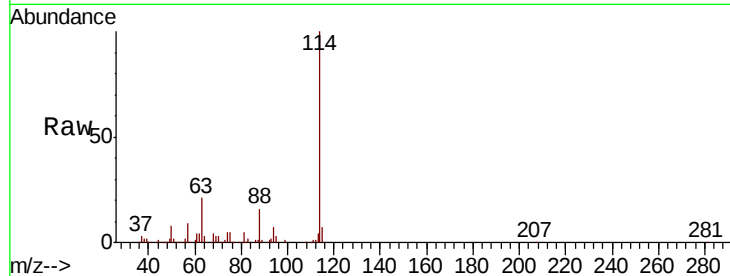




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005653.D
 Acq: 26 Sep 2018 11:31

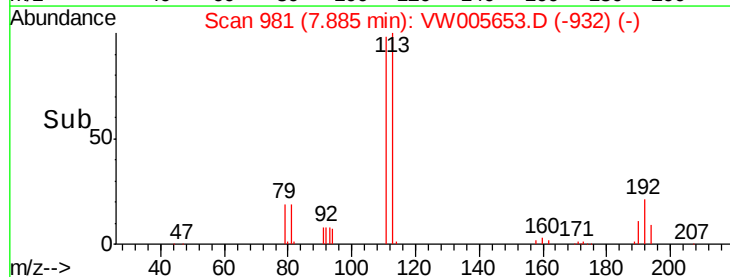
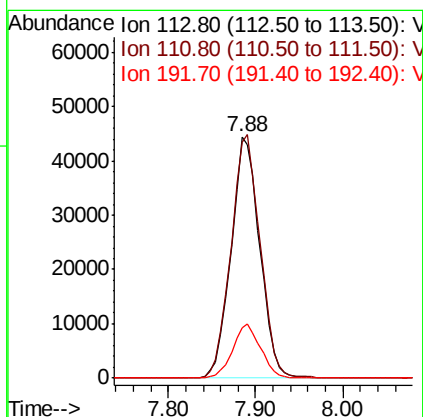
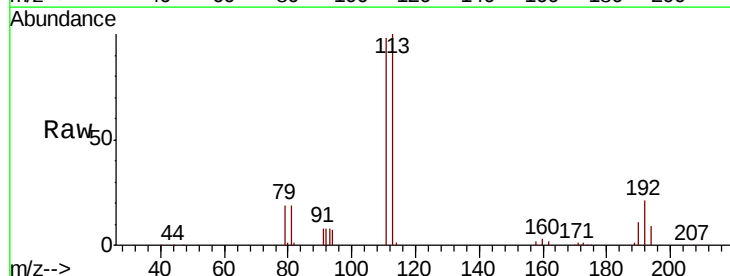
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-092418-ARE

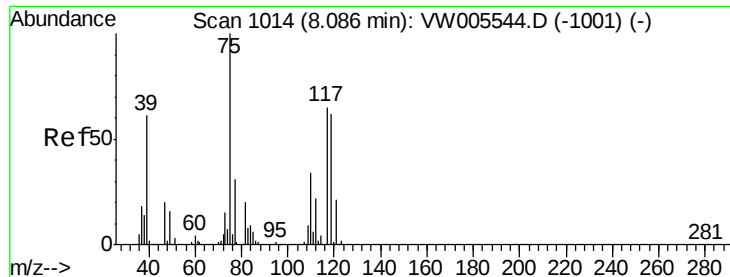
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	15.7	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 50.410 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW005653.D
 Acq: 26 Sep 2018 11:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	21.8	17.0	25.4

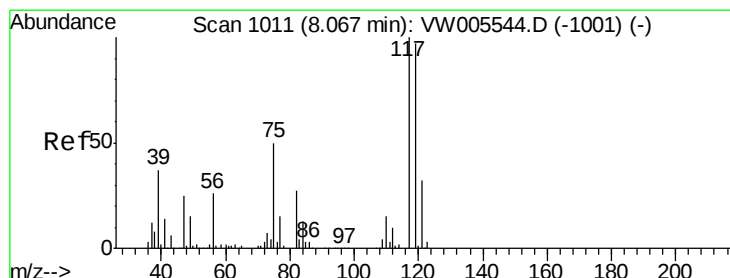
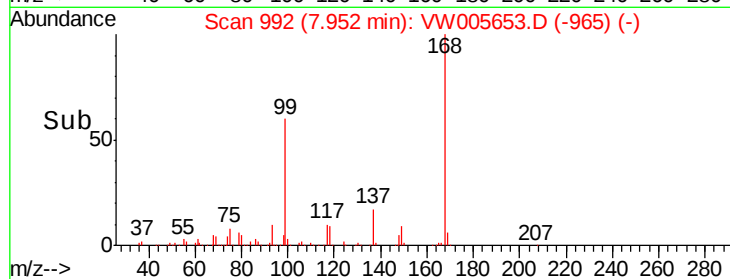
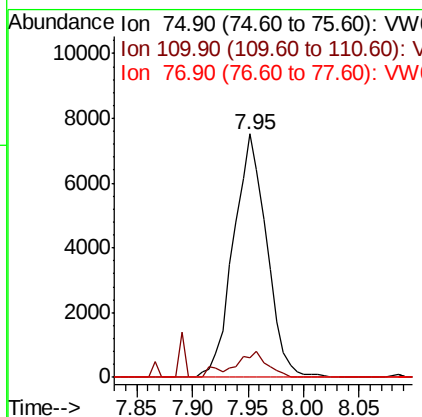
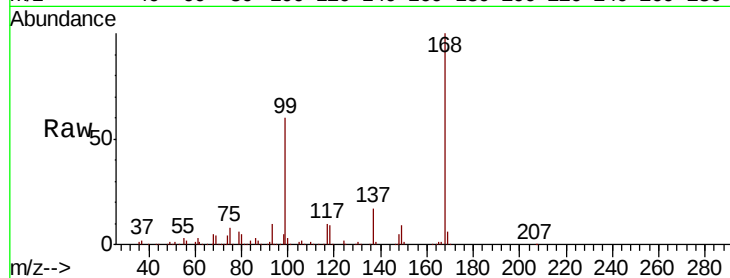




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005653.D
 Acq: 26 Sep 2018 11:31

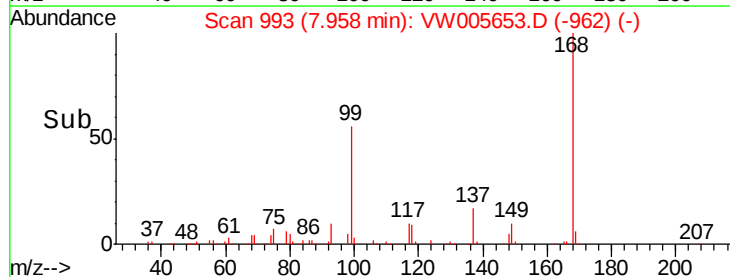
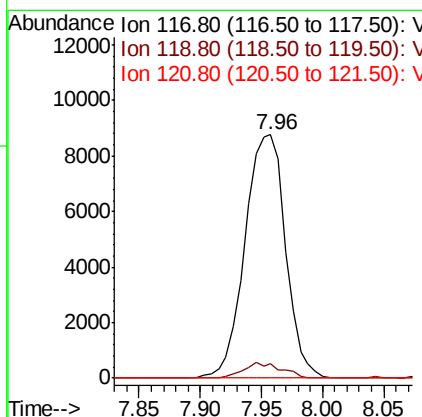
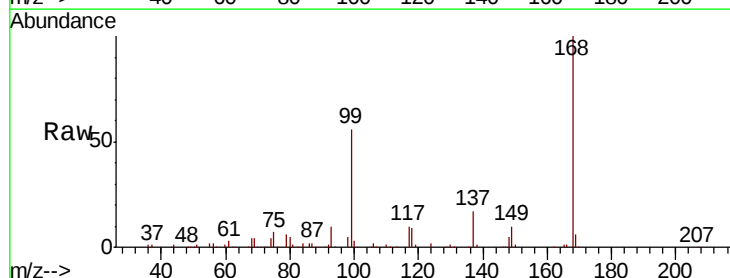
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 SU-02-092418-ARE

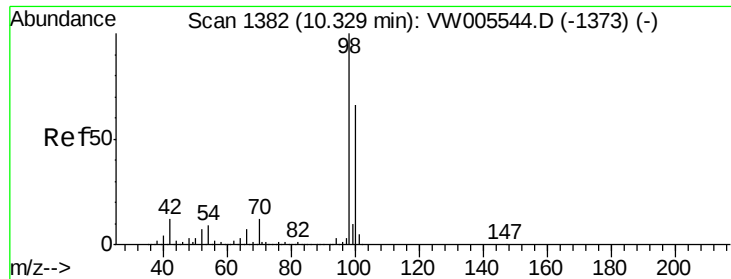
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.866 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.11 min
 Lab File: VW005653.D
 Acq: 26 Sep 2018 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 51.479 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005653.D

Acq: 26 Sep 2018 11:31

Instrument :

MSVOA_W

ClientSampleId :

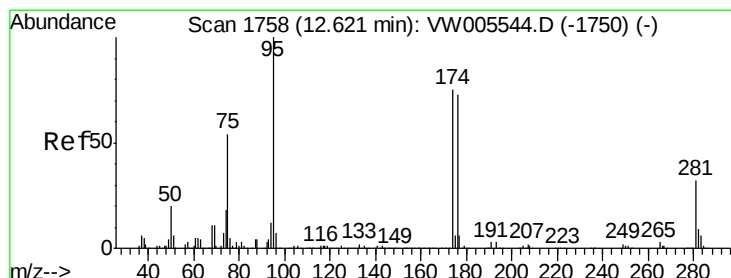
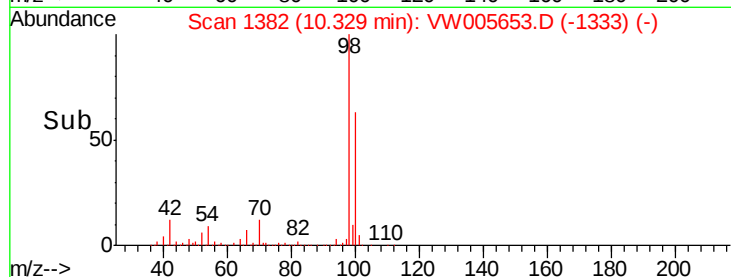
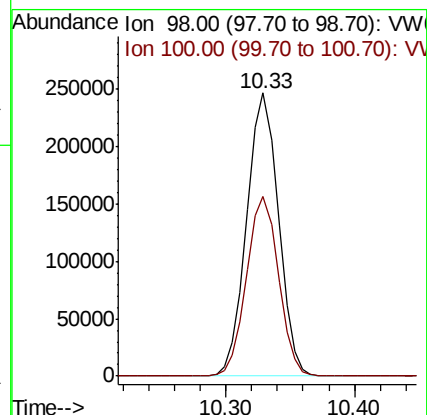
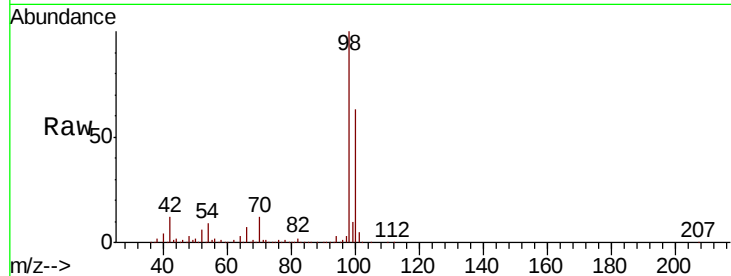
SU-02-092418-ARE

Tot Ion: 98 Resp: 421063

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 49.157 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005653.D

Acq: 26 Sep 2018 11:31

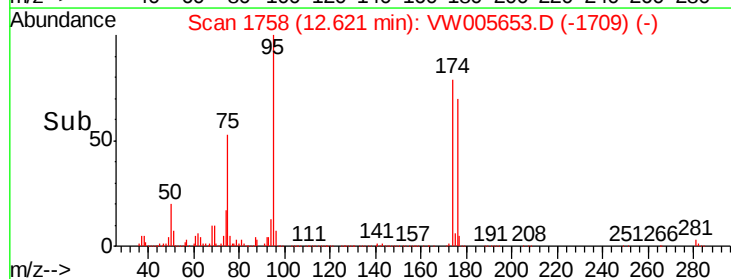
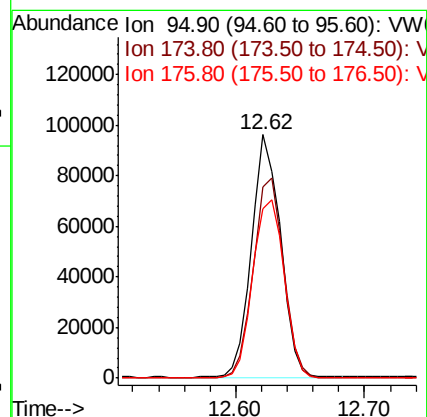
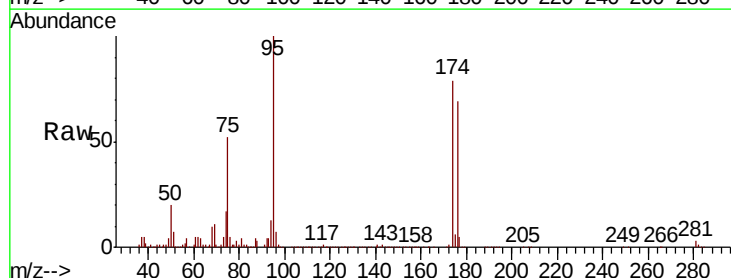
Tgt Ion: 95 Resp: 148775

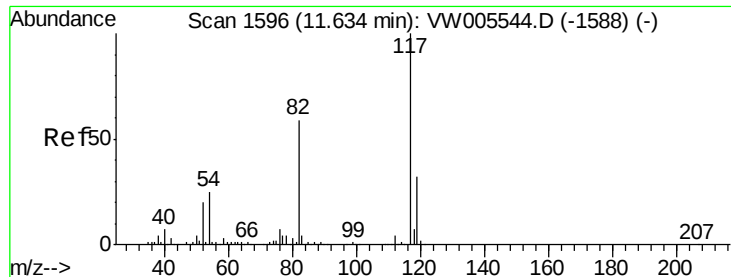
Ion Ratio Lower Upper

95 100

174 86.0 0.0 163.8

176 79.9 0.0 158.0

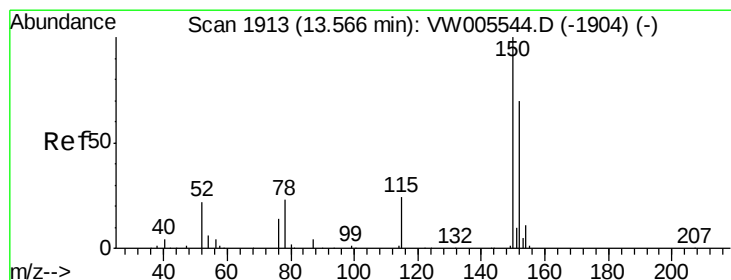
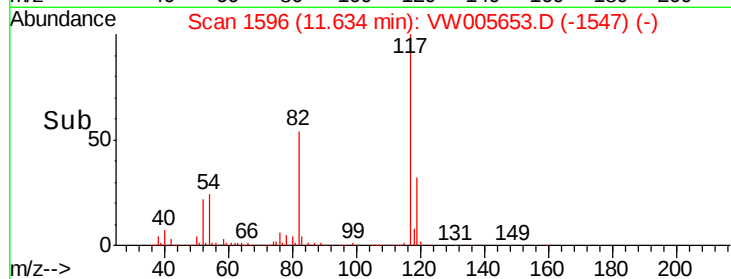
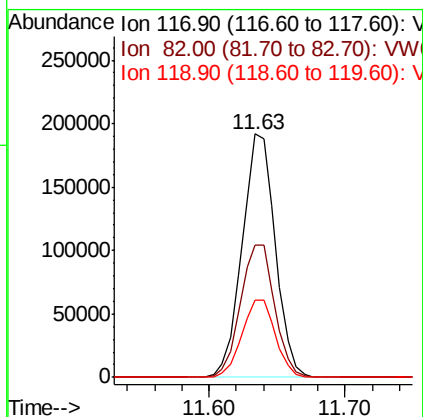
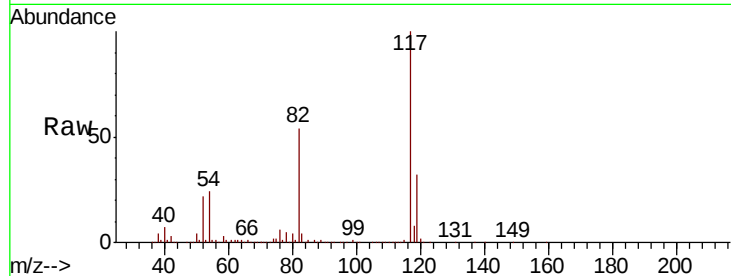




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

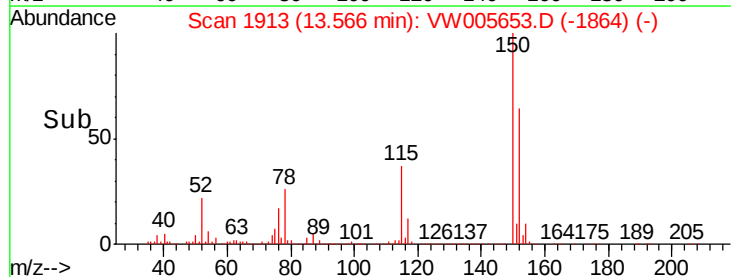
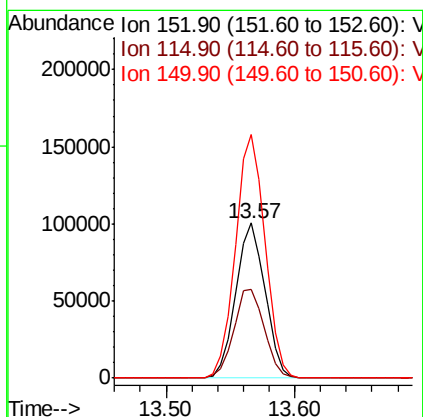
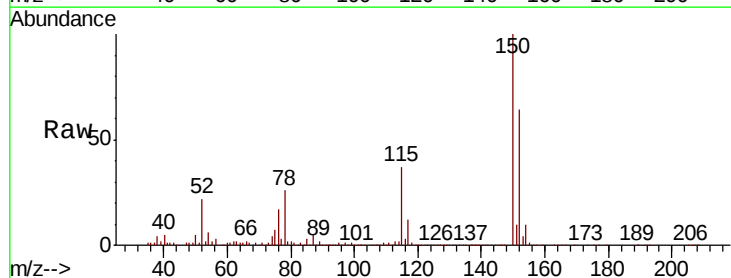
Instrument :
MSVOA_W
ClientSampleId :
SU-02-092418-ARE

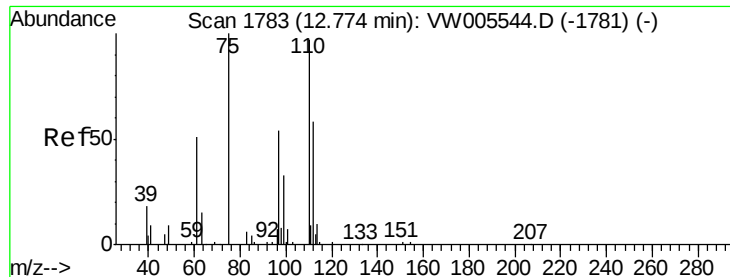
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.9	70.3
119	32.0	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	30.0	90.0
150	158.0	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 60.427 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005653.D

Acq: 26 Sep 2018 11:31

Instrument :

MSVOA_W

ClientSampleId :

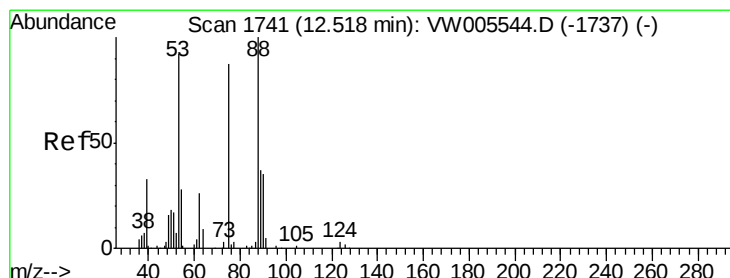
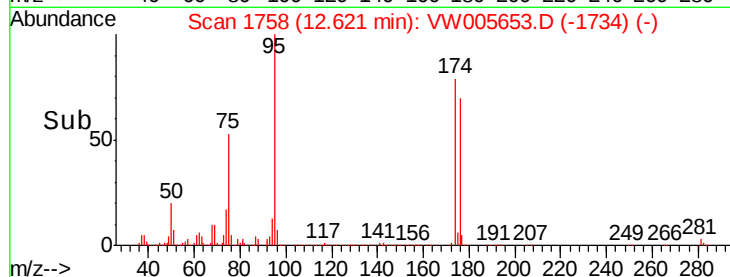
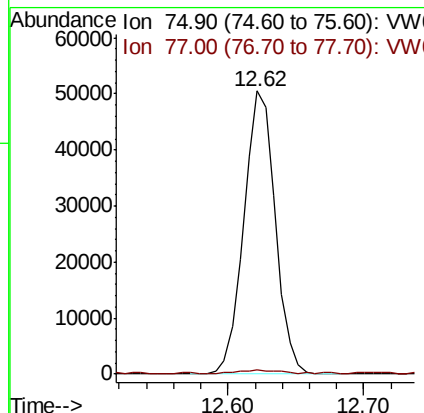
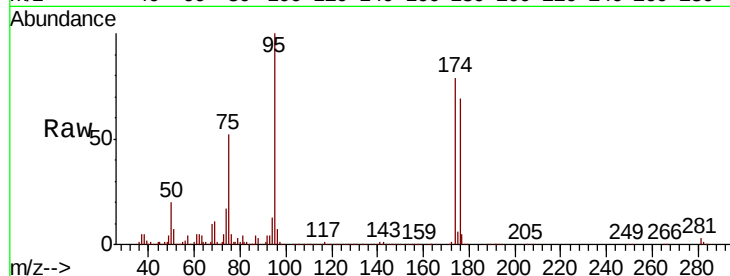
SU-02-092418-ARE

Tot Ion: 75 Resp: 81553

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.100 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005653.D

Acq: 26 Sep 2018 11:31

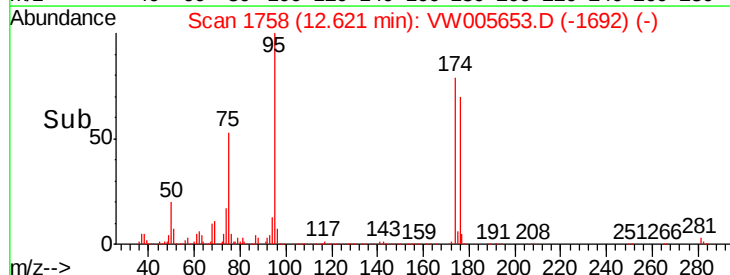
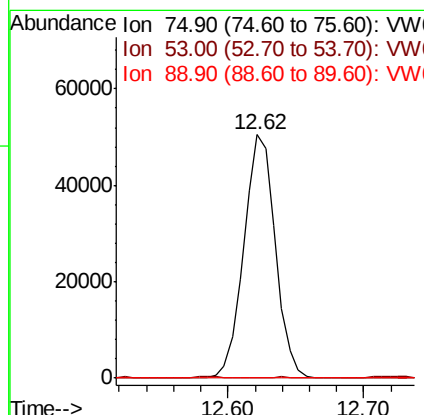
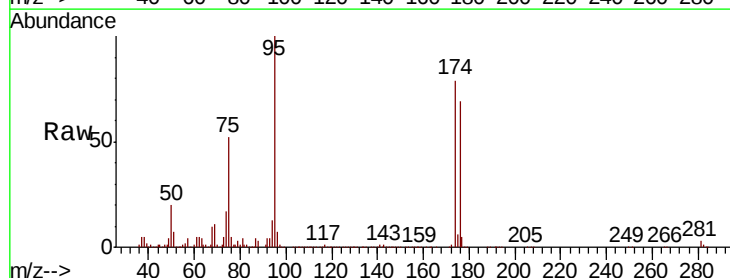
Tgt Ion: 75 Resp: 81553

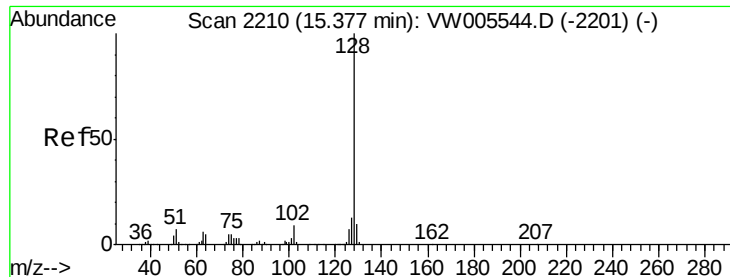
Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.0 37.3 55.9#

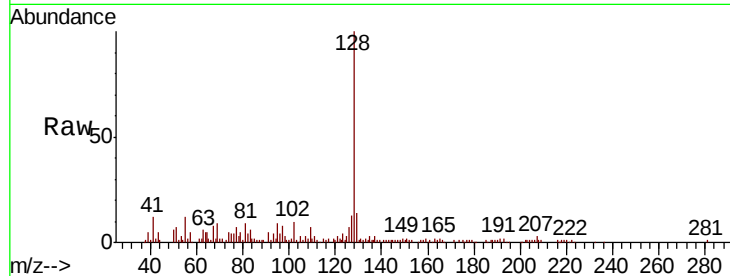




#95
Naphthalene
Concen: 6.999 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005653.D
Acq: 26 Sep 2018 11:31

Instrument :
MSVOA_W
ClientSampleId :
SU-02-092418-ARE

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.9	16.3
129	12.7	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

