

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005559.D
 Acq On : 21 Sep 2018 14:49
 Operator : VA/AP
 Sample : J5023-01RE
 Misc : 5.74G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 16:04:19 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	195389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	322011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162306	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	100610	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
35) Dibromofluoromethane	7.89	113	82247	40.62	ug/l	0.00
Spiked Amount			Recovery	=	81.24%	
50) Toluene-d8	10.33	98	297515	36.08	ug/l	0.00
Spiked Amount			Recovery	=	72.16%	
62) 4-Bromofluorobenzene	12.62	95	123314	40.42	ug/l	0.00
Spiked Amount			Recovery	=	80.84%	

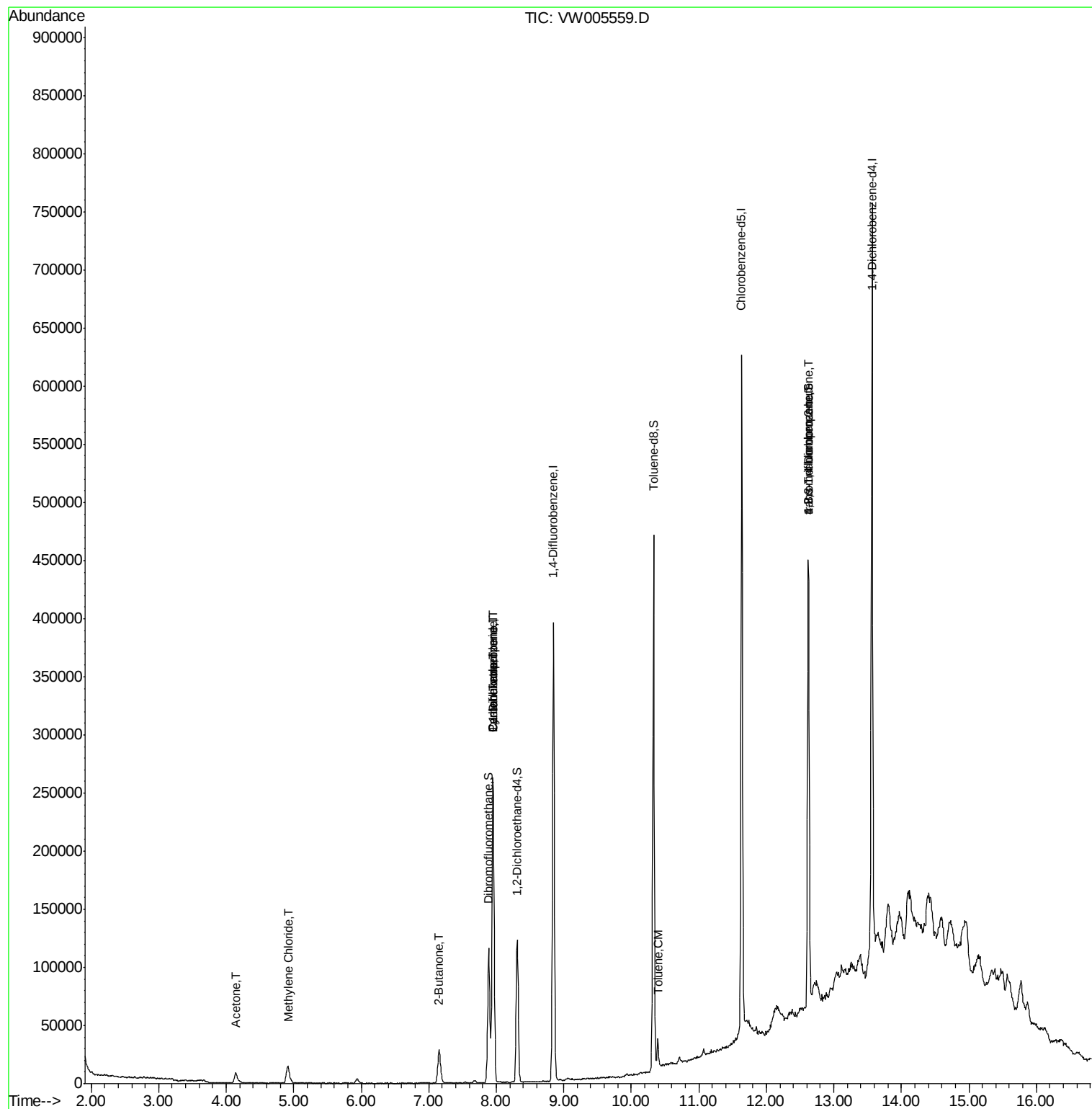
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	21	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	20	Below Cal	#	72
16) Acetone	4.14	43	17823	41.378	ug/l	99
20) Methylene Chloride	4.92	84	11773	1.987	ug/l	94
25) 2-Butanone	7.16	43	2132	3.814	ug/l #	77
31) Cyclohexane	7.95	56	4449	1.247	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	15240	4.701	ug/l #	50
38) Carbon Tetrachloride	7.96	117	19086	5.495	ug/l #	16
52) Toluene	10.40	92	9343	1.630	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	64673	46.744	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64673	105.282	ug/l #	9

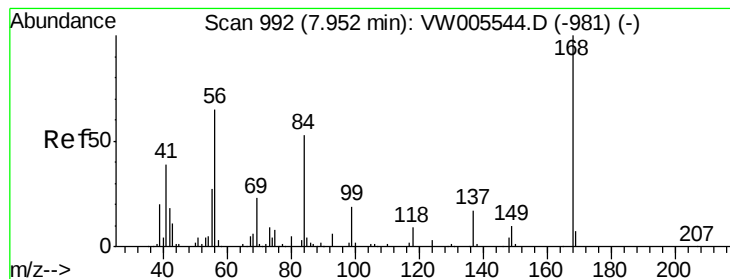
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092218\
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Quant Time: Sep 21 16:04:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
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: VW005559.D

Acq: 21 Sep 2018 14:49

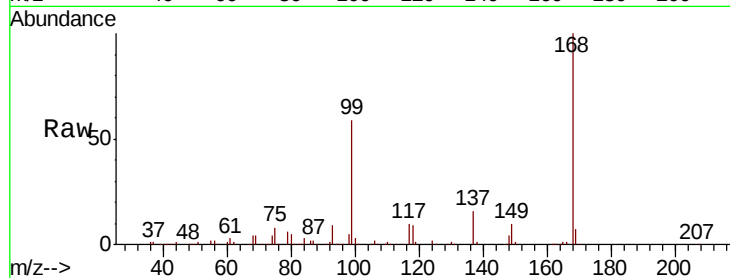
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 195389

Ion Ratio Lower Upper

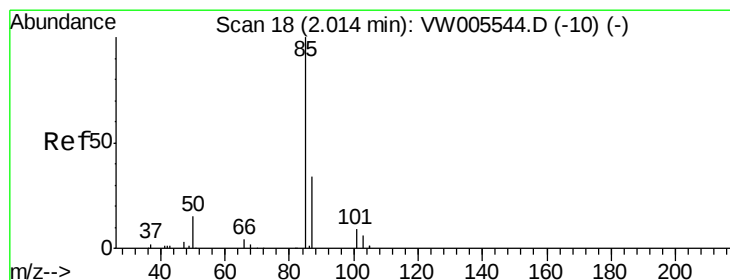
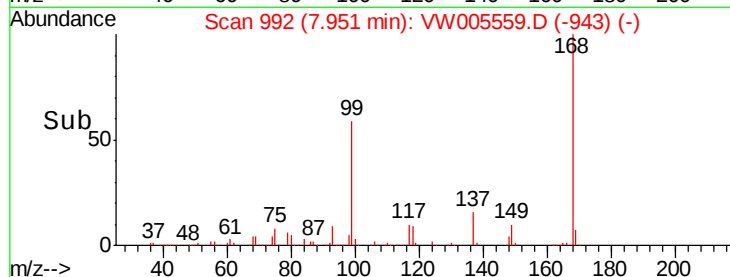
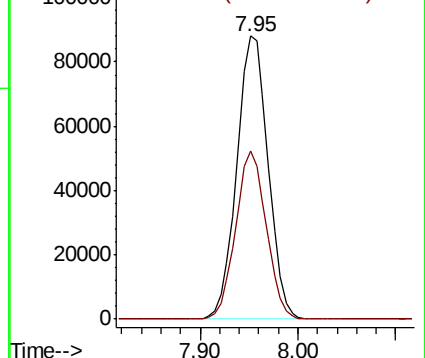
168 100

99 59.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005559.D

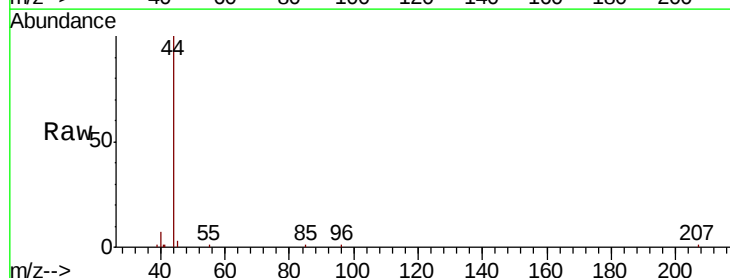
Acq: 21 Sep 2018 14:49

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

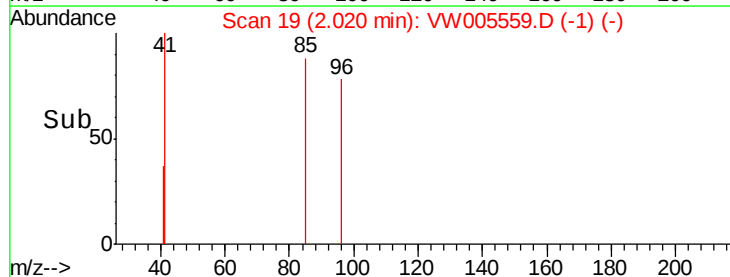
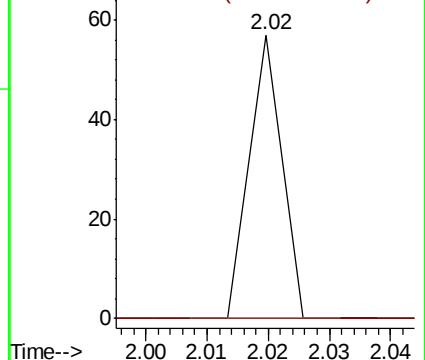
85 100

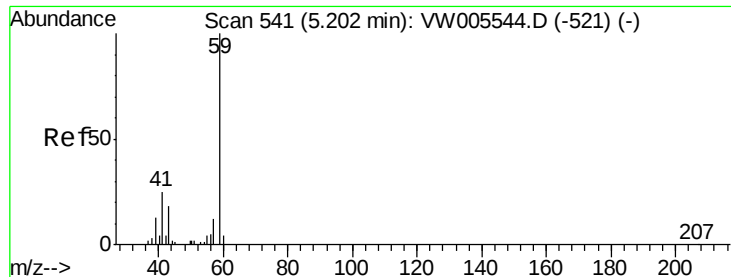
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



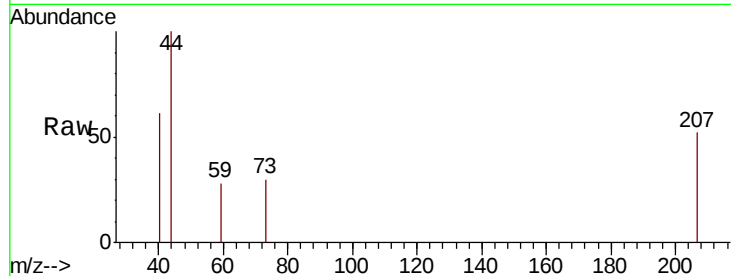


#11

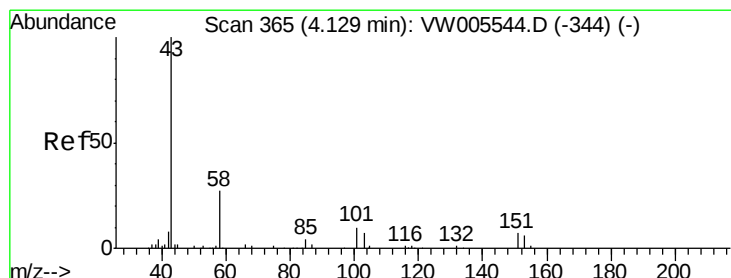
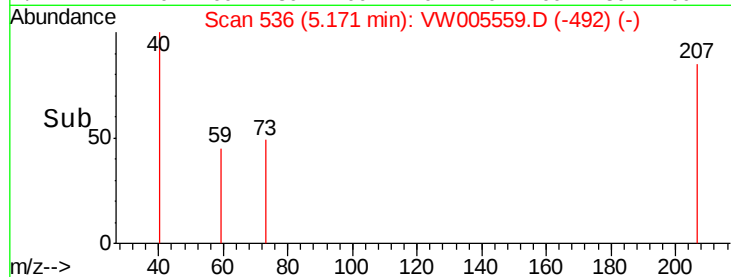
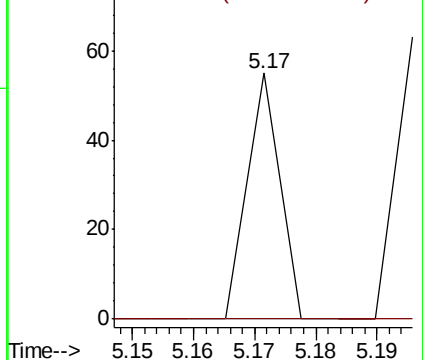
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. -0.03 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



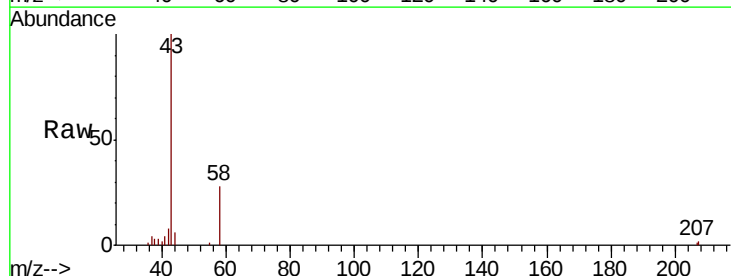
Abundance Ion 59.00 (58.70 to 59.70): VW
 Ion 57.00 (56.70 to 57.70): VW



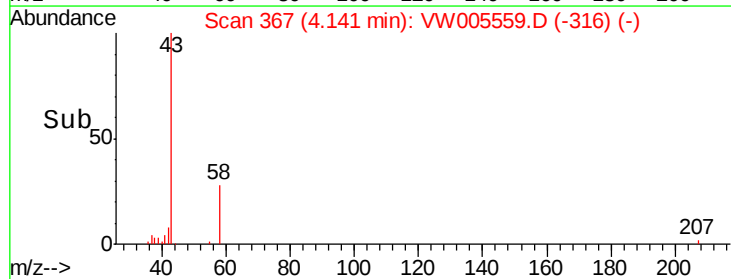
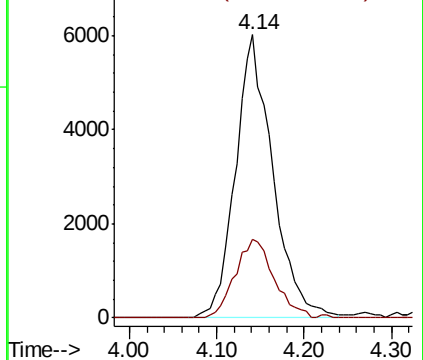
#16

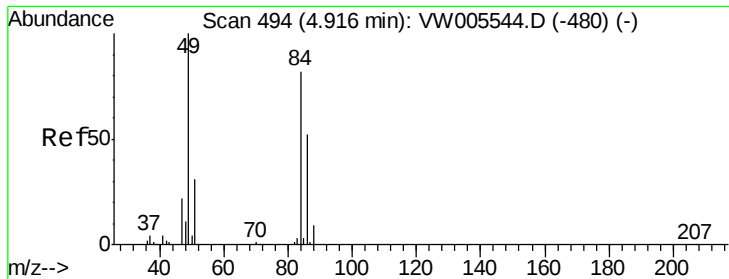
Acetone
 Concen: 41.378 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

Tgt Ion: 43 Resp: 17823
 Ion Ratio Lower Upper
 43 100
 58 27.8 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.987 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW005559.D

Acq: 21 Sep 2018 14:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 11773

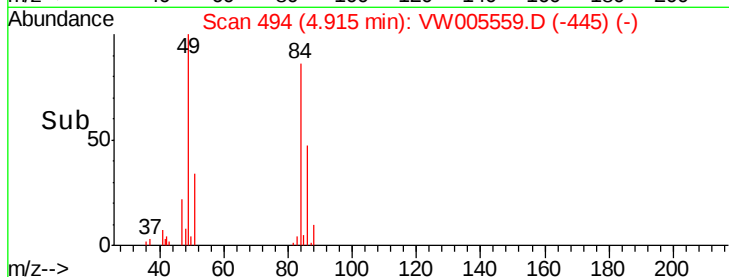
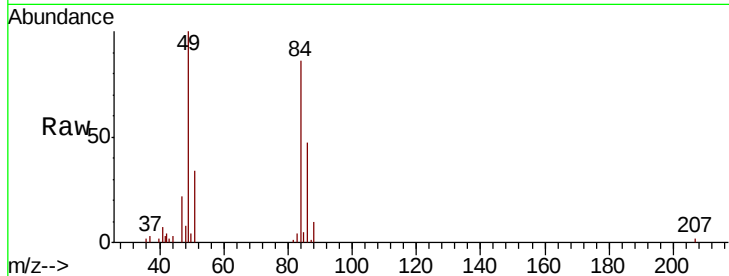
Ion	Ratio	Lower	Upper
84	100		
49	116.5	97.0	145.6
51	40.1	30.2	45.2
86	54.4	50.2	75.4

84 100

49 116.5 97.0 145.6

51 40.1 30.2 45.2

86 54.4 50.2 75.4

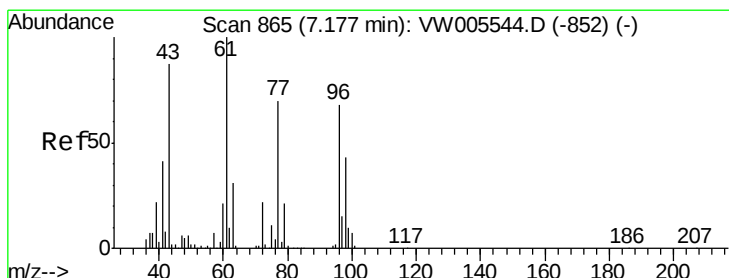
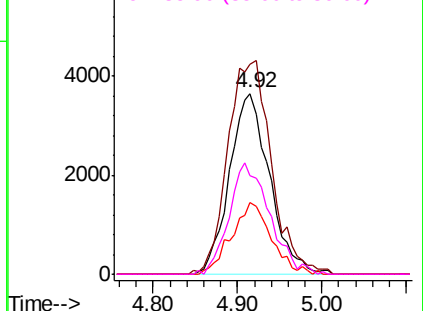


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.814 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW005559.D

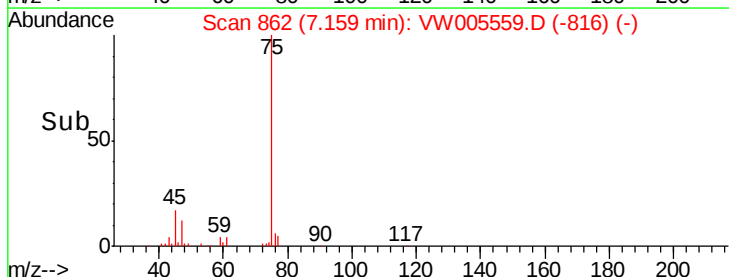
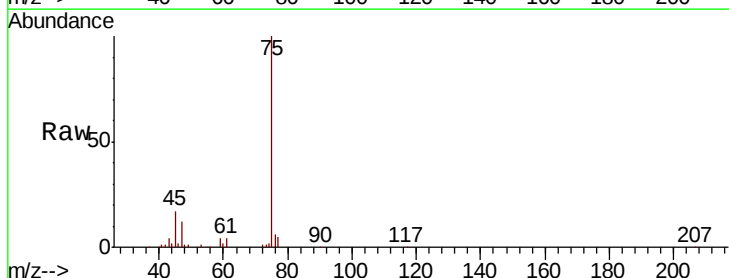
Acq: 21 Sep 2018 14:49

Tgt Ion: 43 Resp: 2132

Ion	Ratio	Lower	Upper
43	100		
72	13.4	19.9	29.9#

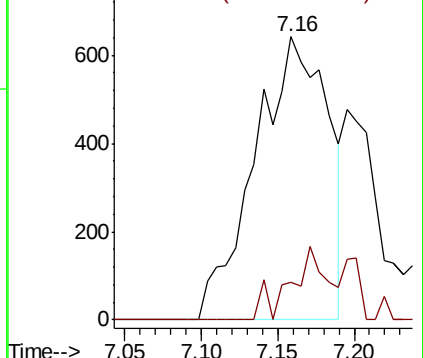
43 100

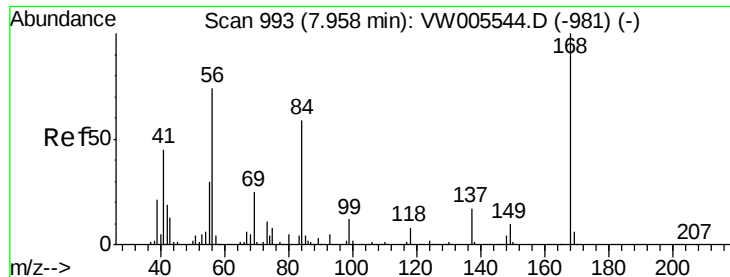
72 13.4 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

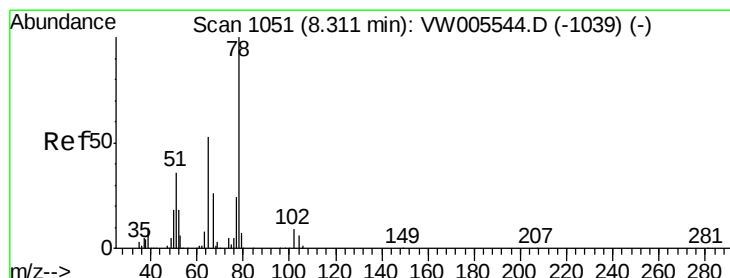
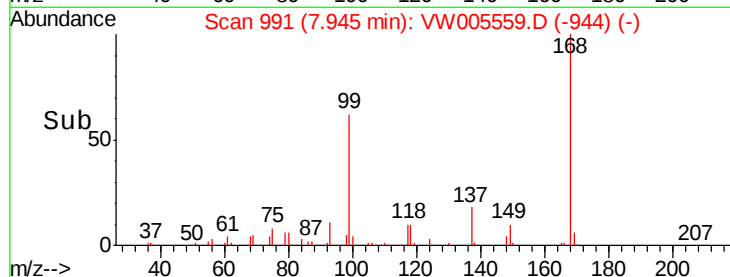
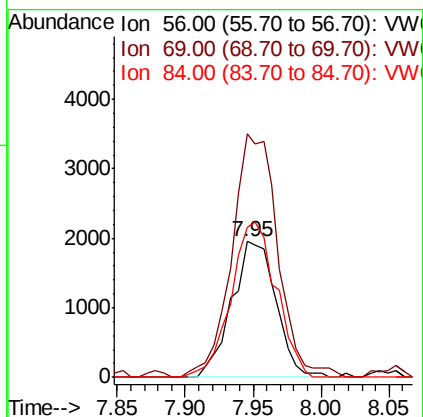
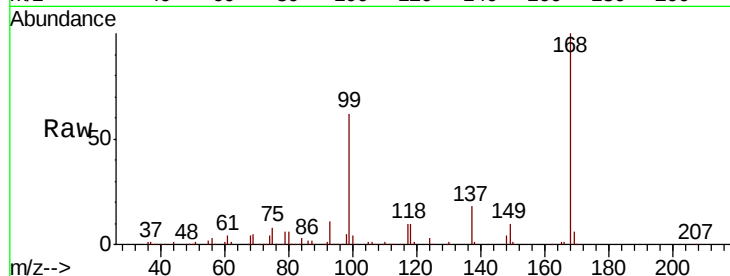




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW005559.D
Acq: 21 Sep 2018 14:49

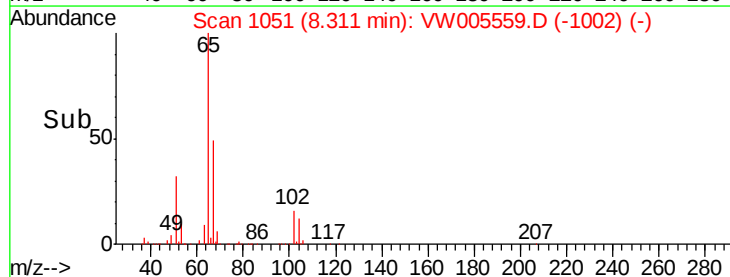
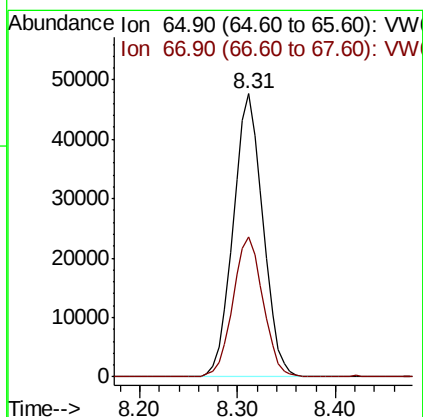
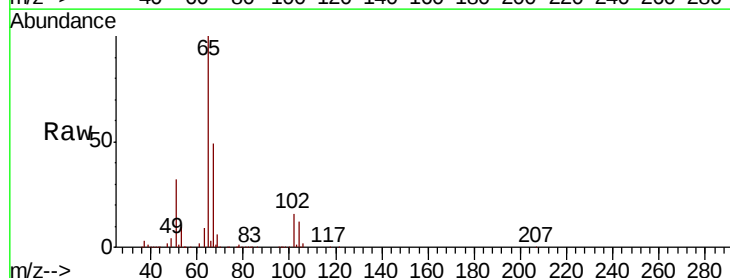
Instrument :
MSVOA_W
ClientSampled :

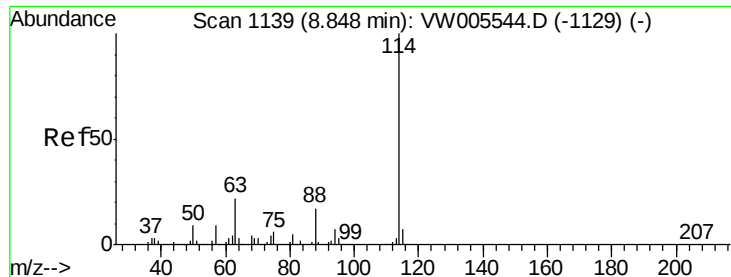
Tot Ion: 56 Resp: 4449
Ion Ratio Lower Upper
56 100
69 177.0 27.0 40.4#
84 110.6 64.2 96.4#



#33
1,2-Dichloroethane-d4
Concen: 43.709 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005559.D
Acq: 21 Sep 2018 14:49

Tgt Ion: 65 Resp: 100610
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.6

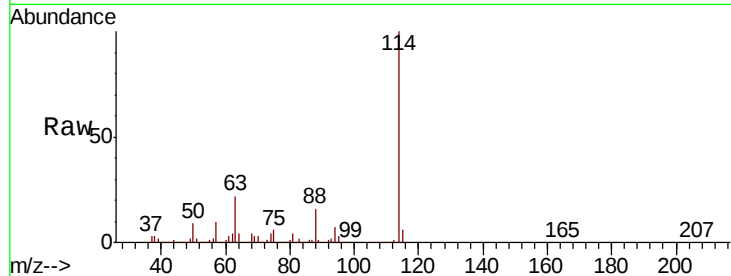




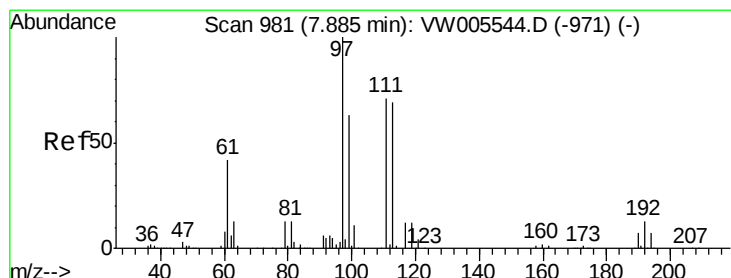
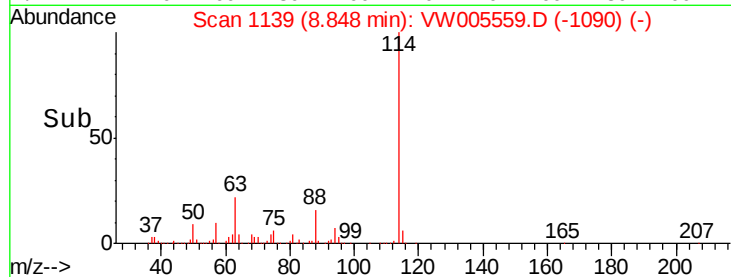
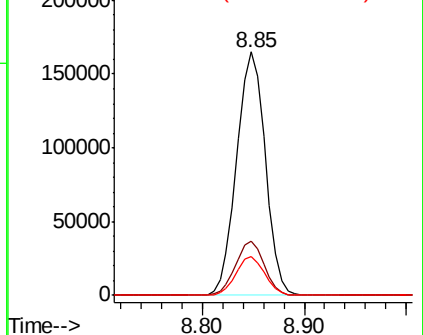
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.0
88	16.2	0.0	33.0

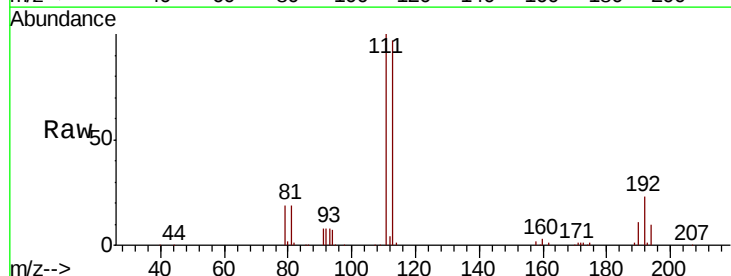


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

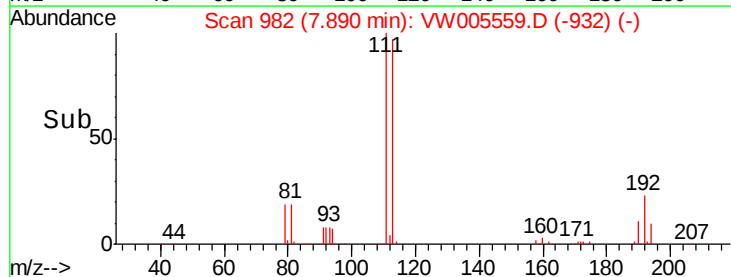
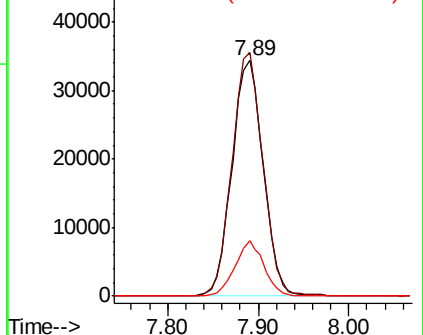


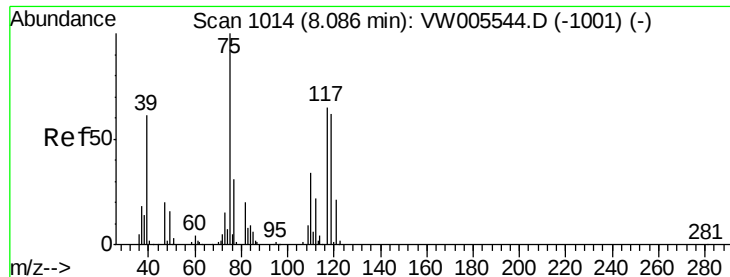
#35
 Dibromofluoromethane
 Concen: 40.616 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	21.4	17.0	25.4



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

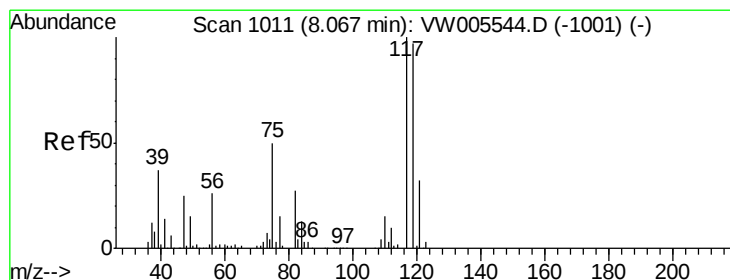
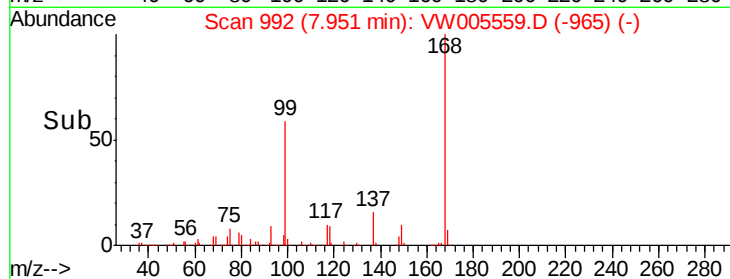
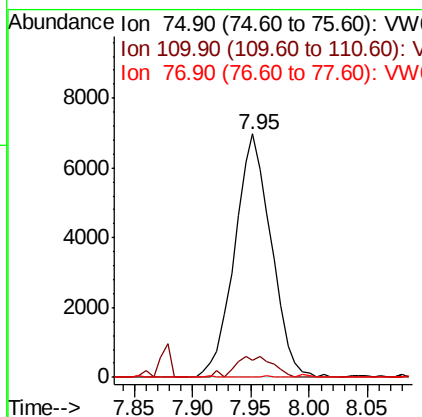
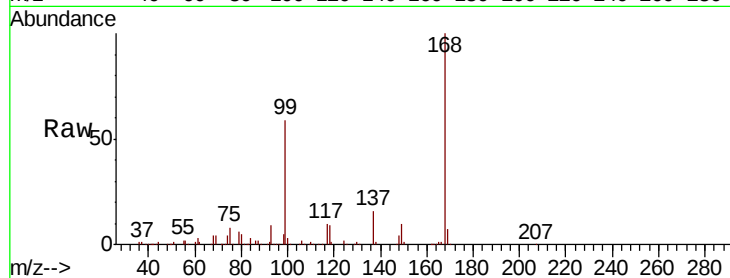




#36
 1,1-Dichloropropene
 Concen: 4.701 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

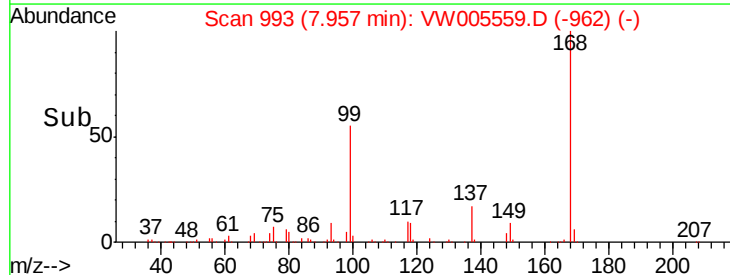
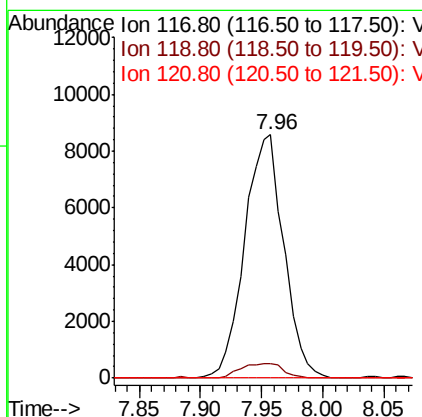
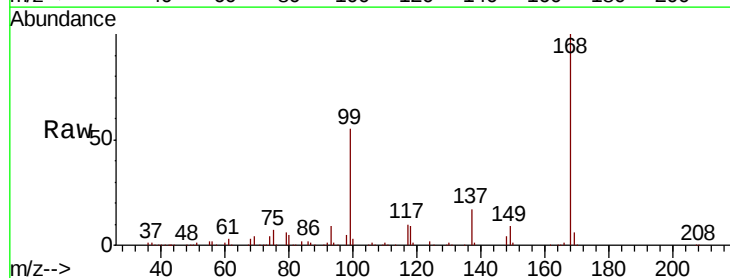
Instrument :
 MSVOA_W
 ClientSampleId :

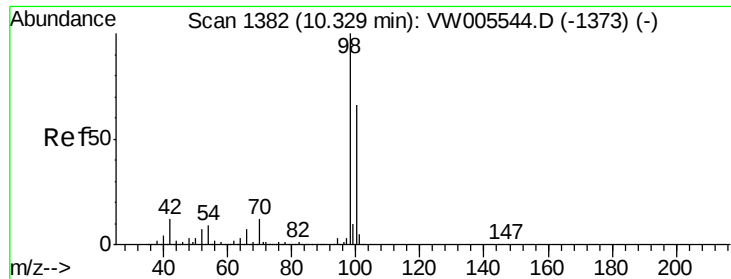
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.495 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.11 min
 Lab File: VW005559.D
 Acq: 21 Sep 2018 14:49

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: 36.083 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005559.D

Acq: 21 Sep 2018 14:49

Instrument :

MSVOA_W

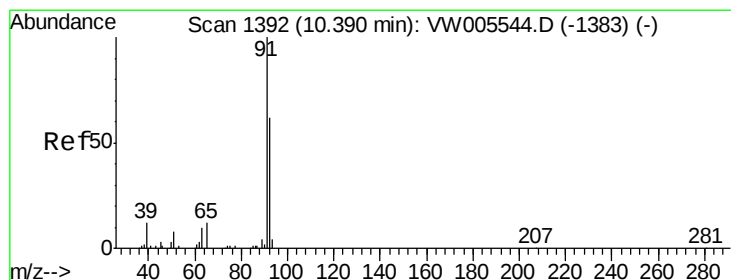
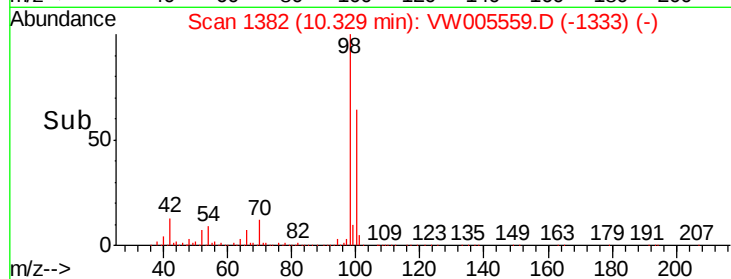
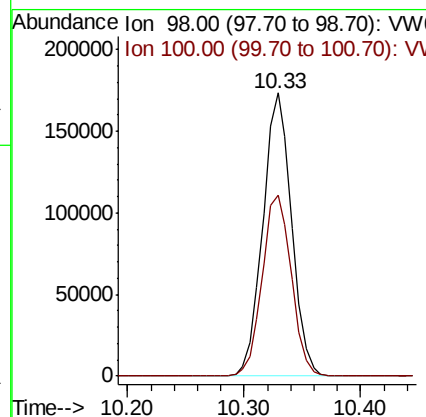
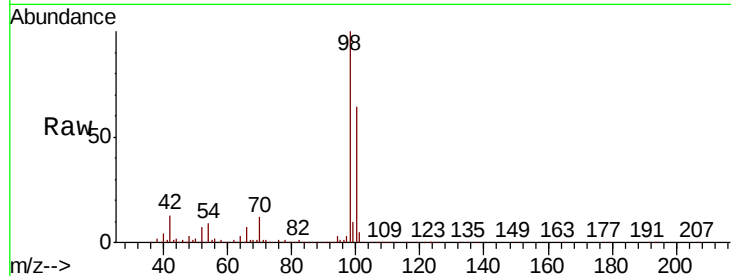
ClientSampleId :

Tot Ion: 98 Resp: 297515

Ion Ratio Lower Upper

98 100

100 65.2 51.6 77.4



#52

Toluene

Concen: 1.630 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005559.D

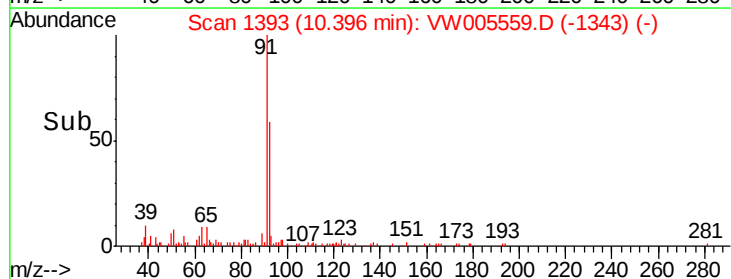
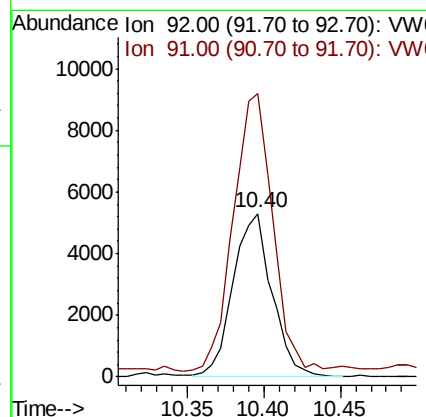
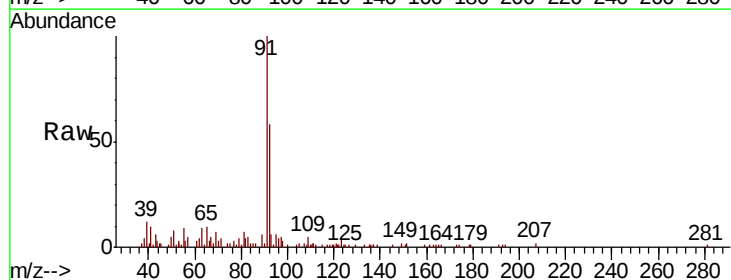
Acq: 21 Sep 2018 14:49

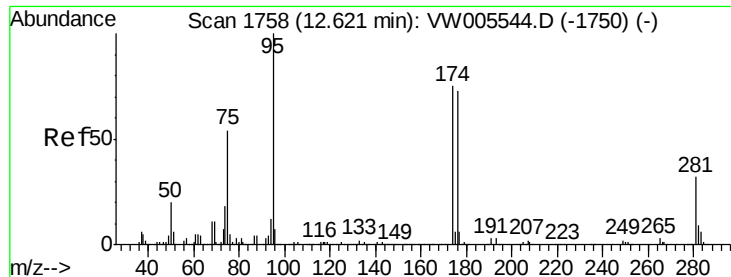
Tgt Ion: 92 Resp: 9343

Ion Ratio Lower Upper

92 100

91 172.6 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 40.418 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005559.D

Acq: 21 Sep 2018 14:49

Instrument :

MSVOA_W

ClientSampled :

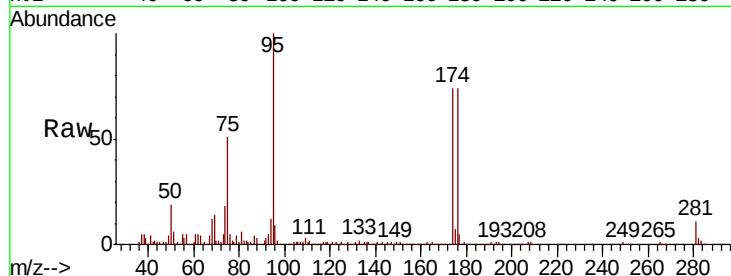
Tot Ion: 95 Resp: 123314

Ion Ratio Lower Upper

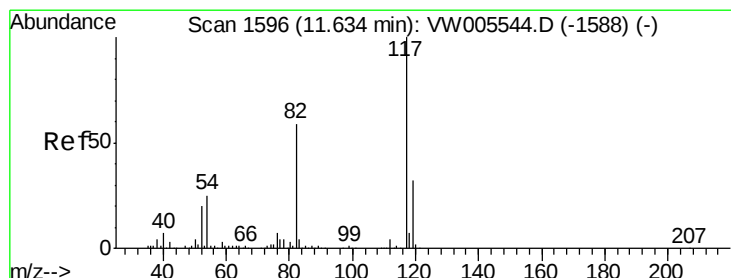
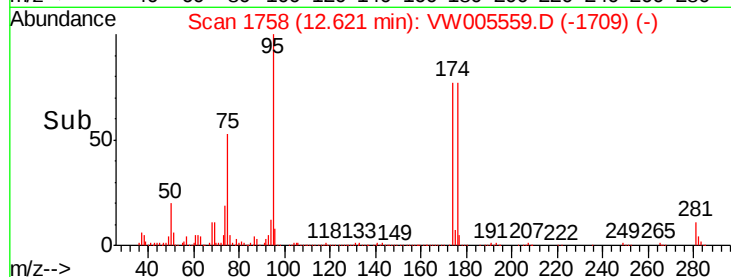
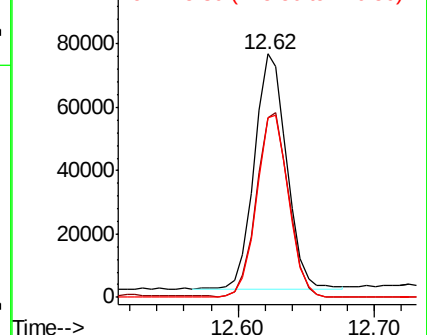
95 100

174 78.1 0.0 163.8

176 77.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005559.D

Acq: 21 Sep 2018 14:49

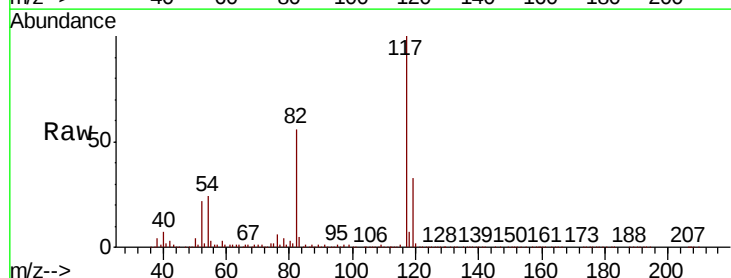
Tgt Ion: 117 Resp: 319618

Ion Ratio Lower Upper

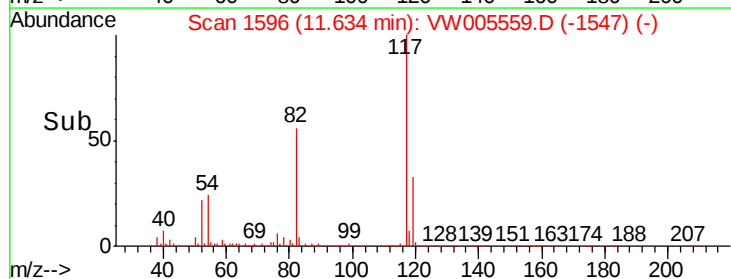
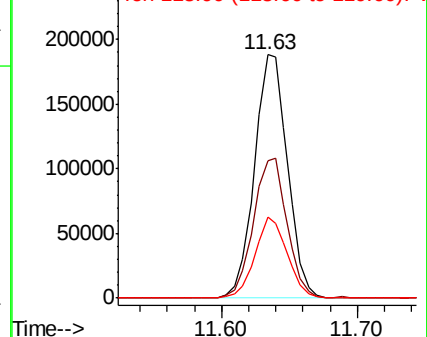
117 100

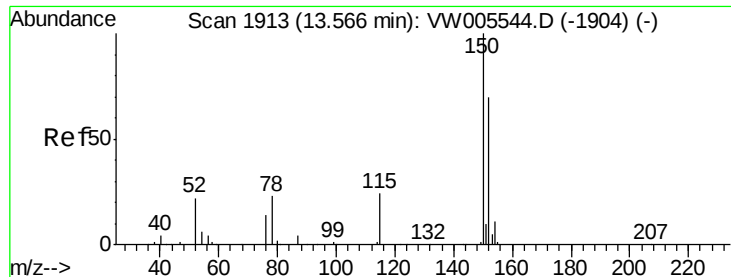
82 56.0 46.9 70.3

119 33.0 25.7 38.5



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



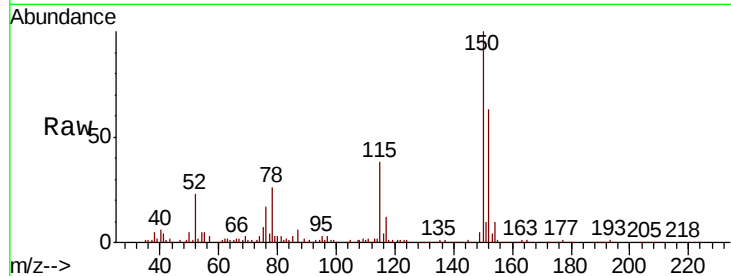


#72

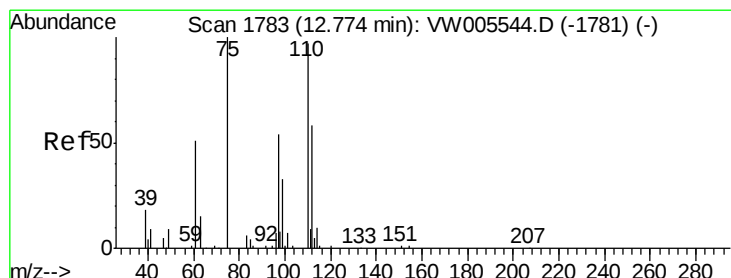
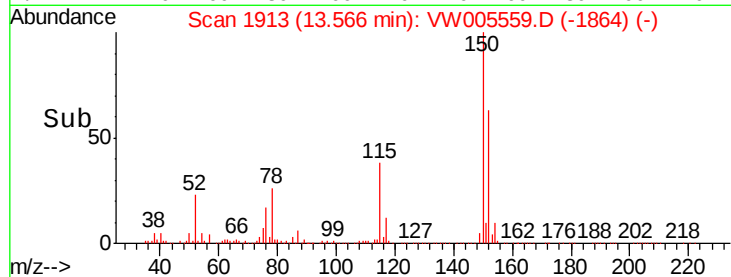
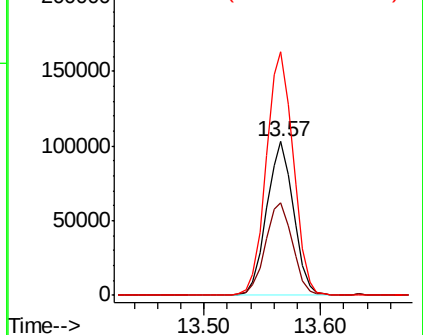
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005559.D
Acq: 21 Sep 2018 14:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.0	90.0
150	159.3	0.0	348.6



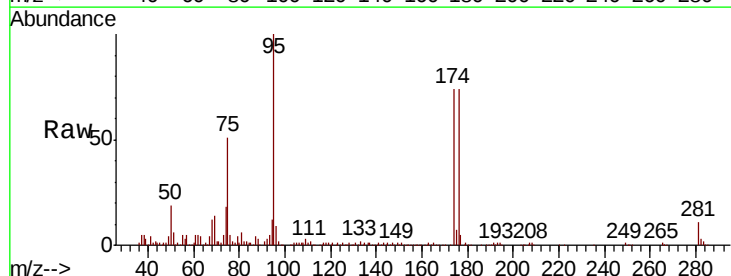
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



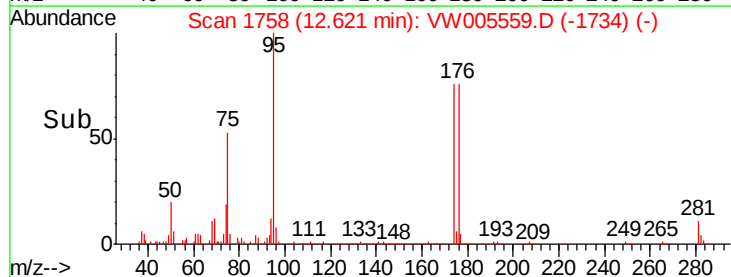
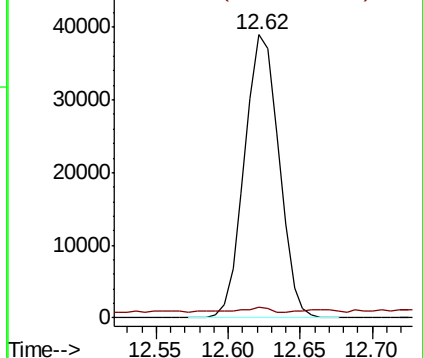
#76

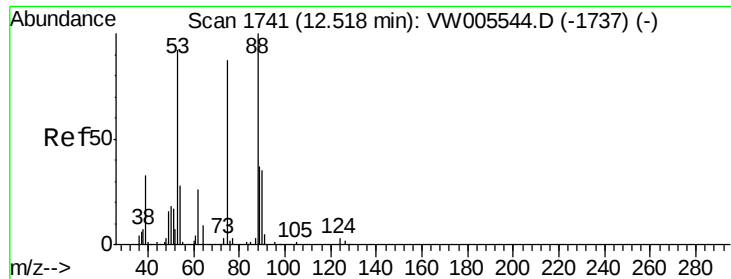
1,2,3-Trichloropropane
Concen: 46.744 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005559.D
Acq: 21 Sep 2018 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 105.282 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005559.D

Acq: 21 Sep 2018 14:49

Instrument :

MSVOA_W

ClientSampleId :

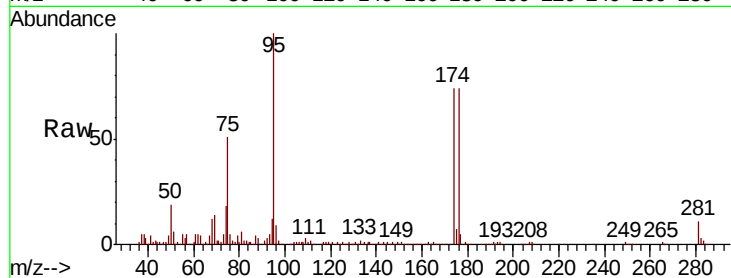
Tot Ion: 75 Resp: 64673

Ion Ratio Lower Upper

75 100

53 2.1 85.8 128.6#

89 0.5 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

