

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
 Data File : VW010607.D
 Acq On : 30 May 2019 11:21
 Operator : SY/VA
 Sample : VW0530SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBL01

Quant Time: May 31 07:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	116092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	203195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	61111	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.88	113	59220	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.32	98	244706	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.62	95	87302	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

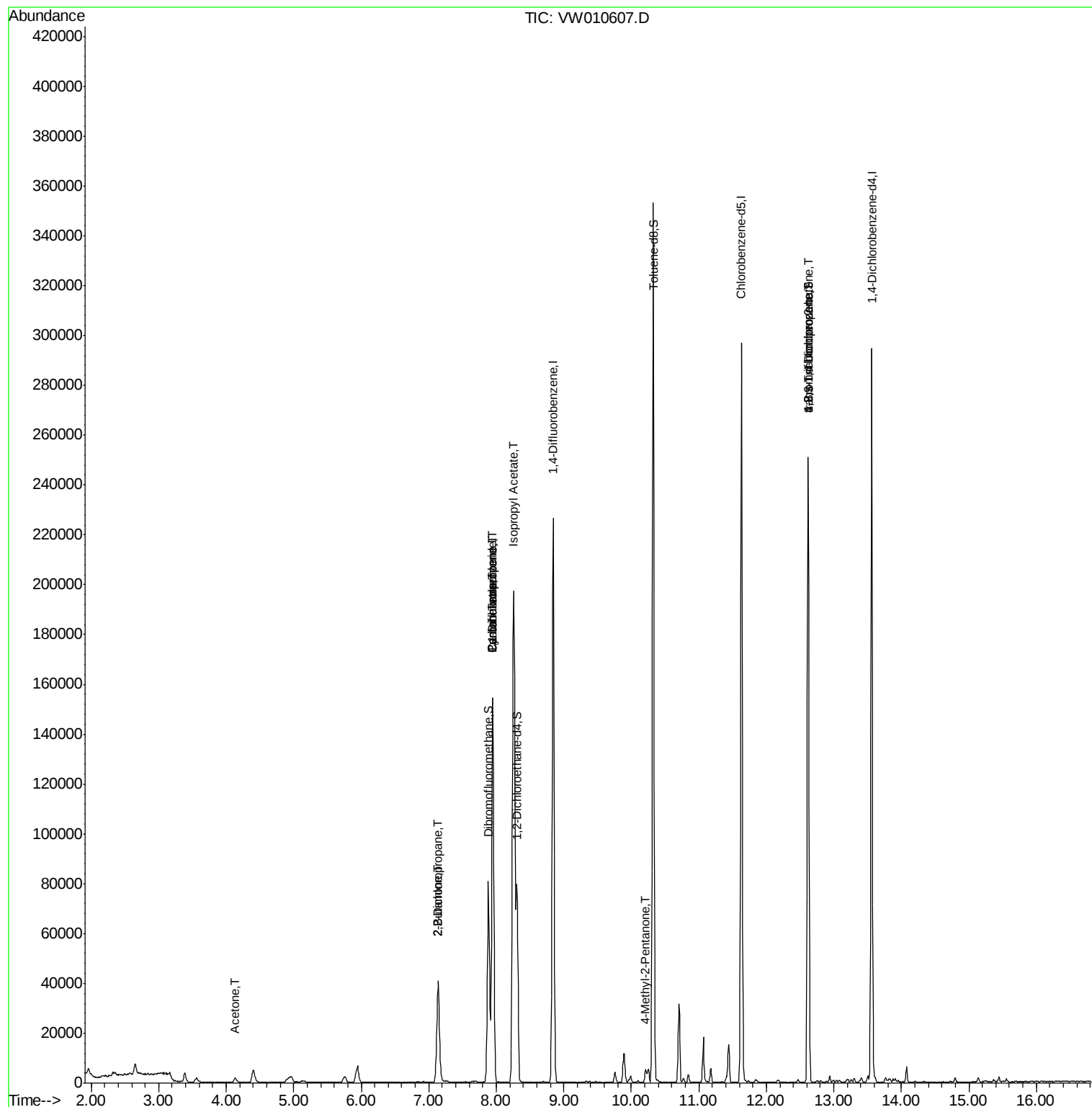
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	103	Below Cal	#	42
16) Acetone	4.13	43	3551	14.518	ug/l	98
20) Methylene Chloride	4.93	84	1026	Below Cal	#	88
25) 2-Butanone	7.14	43	2225	6.357	ug/l #	68
26) 2,2-Dichloropropane	7.14	77	2968	1.435	ug/l #	52
31) Cyclohexane	7.95	56	2333	1.025	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	8591	4.539	ug/l #	48
38) Carbon Tetrachloride	7.95	117	12234	5.991	ug/l #	17
43) Isopropyl Acetate	8.26	43	3644	2.266	ug/l #	20
51) 4-Methyl-2-Pentanone	10.21	43	4368	5.360	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	41160	52.741	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	41160	110.071	ug/l #	14

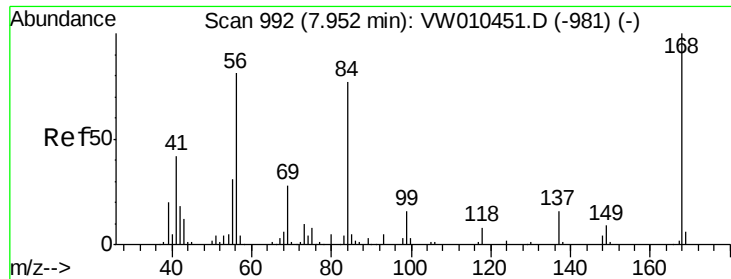
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053019\
Data File : VW010607.D
Acq On : 30 May 2019 11:21
Operator : SY/VA
Sample : VW0530SBL01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBL01

Quant Time: May 31 07:42:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010607.D

Acq: 30 May 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

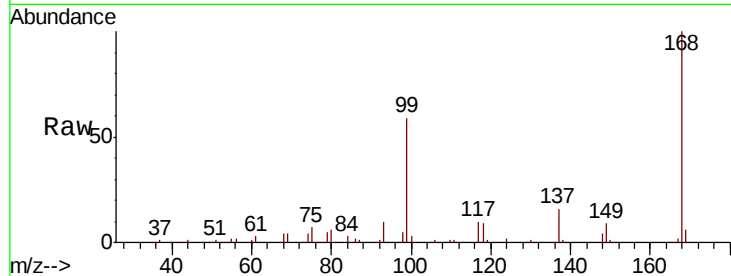
VW0530SBL01

Tot Ion:168 Resp: 116092

Ion Ratio Lower Upper

168 100

99 59.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

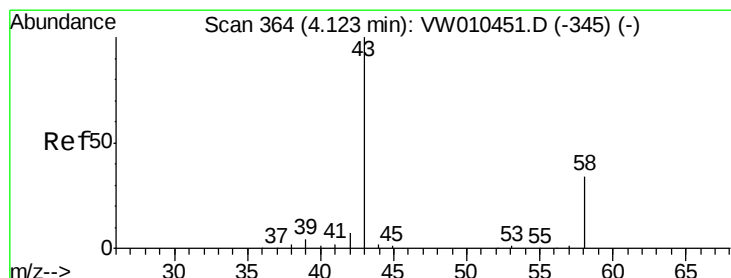
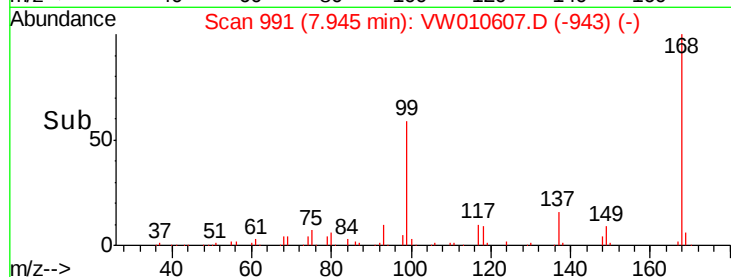
20000

10000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 14.518 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010607.D

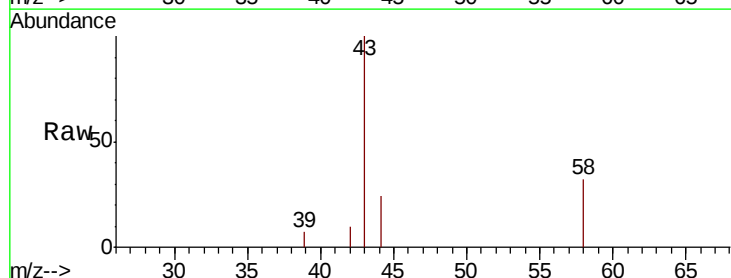
Acq: 30 May 2019 11:21

Tgt Ion: 43 Resp: 3551

Ion Ratio Lower Upper

43 100

58 32.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

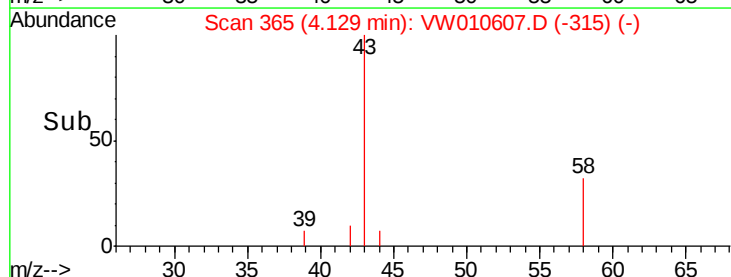
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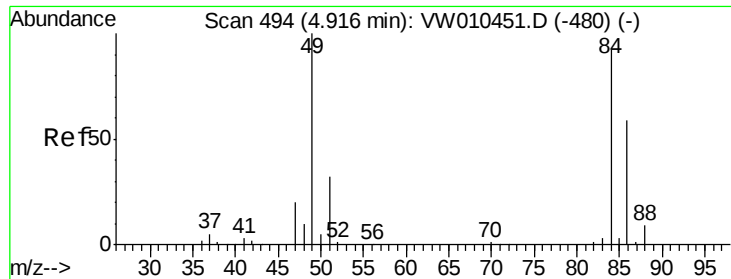
500

0

4.00 4.10 4.20

Time-->

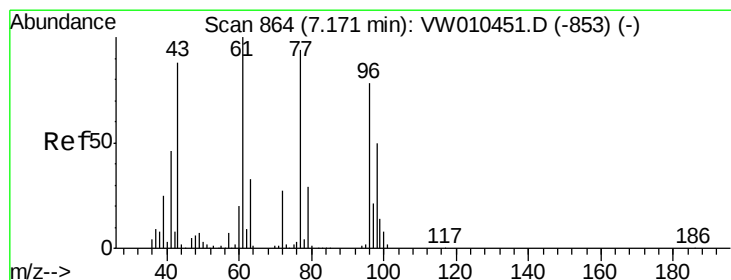
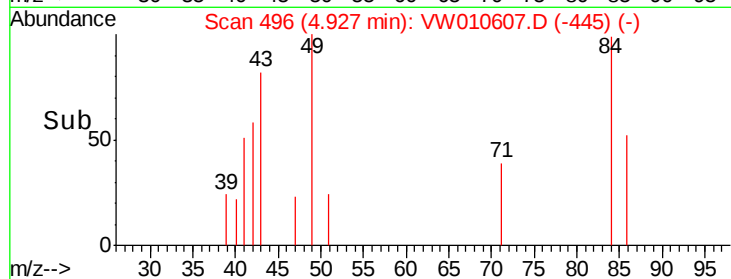
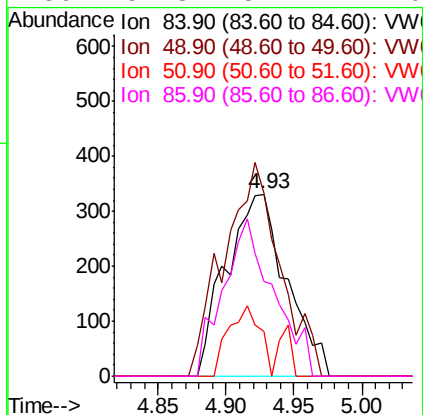
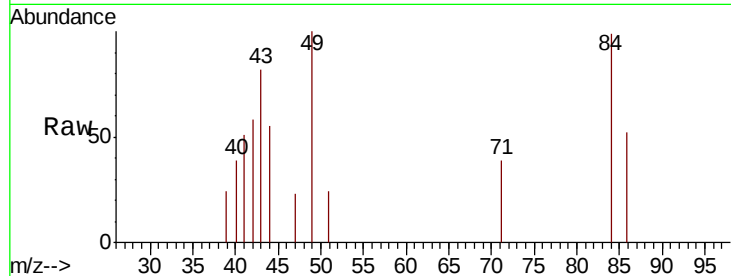




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

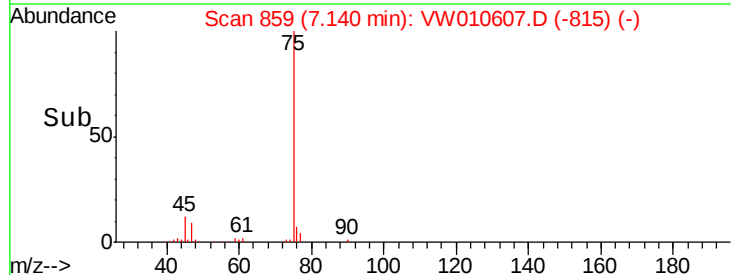
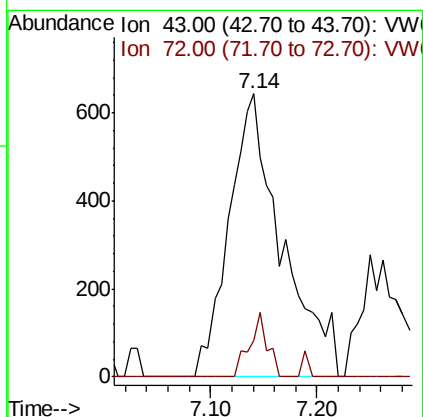
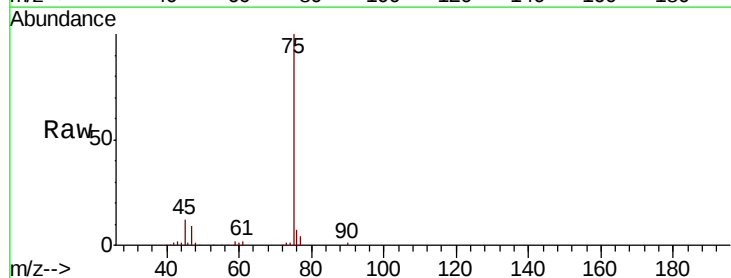
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBL01

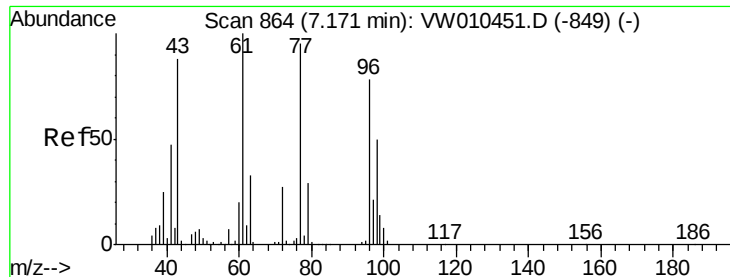
Tot Ion: 84 Resp: 1026
Ion Ratio Lower Upper
84 100
49 100.9 87.2 130.8
51 24.5 27.7 41.5#
86 52.3 51.4 77.0



#25
2-Butanone
Concen: 6.357 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
72 12.8 24.1 36.1#





#26

2,2-Dichloropropane

Concen: 1.435 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010607.D

Acq: 30 May 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

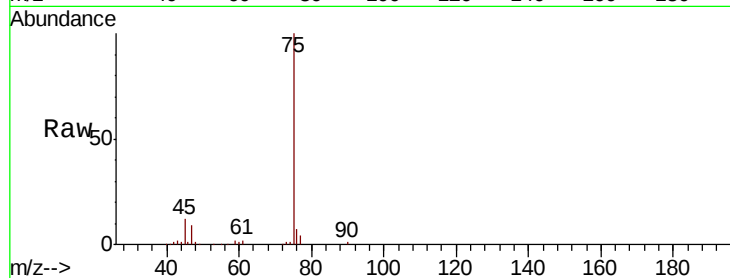
VW0530SBL01

Tot Ion: 77 Resp: 2968

Ion Ratio Lower Upper

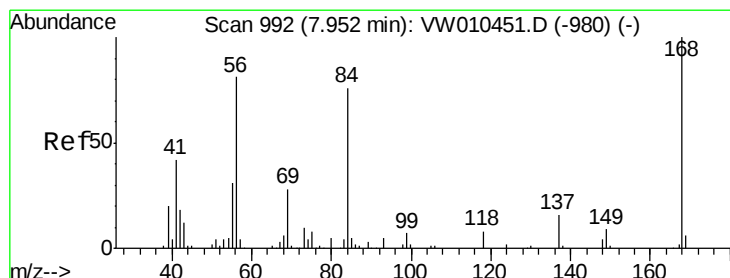
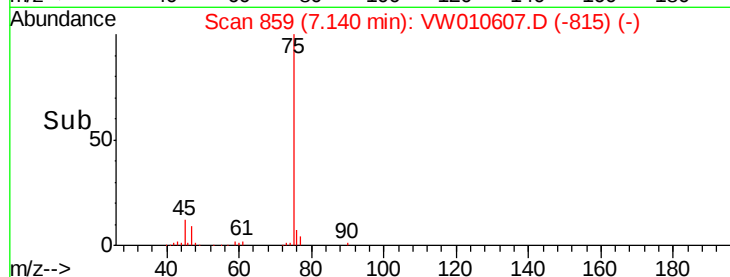
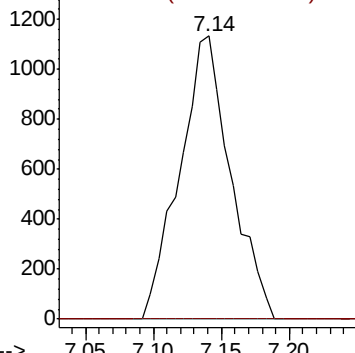
77 100

97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010607.D

Acq: 30 May 2019 11:21

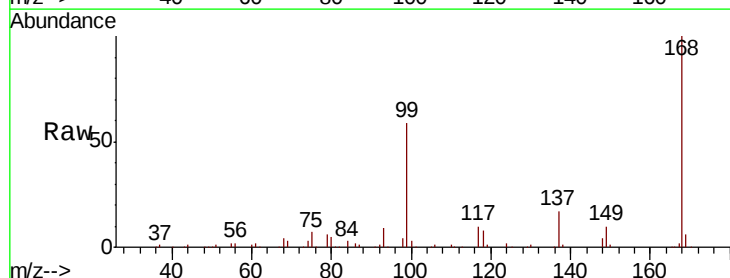
Tgt Ion: 56 Resp: 2333

Ion Ratio Lower Upper

56 100

69 176.5 28.2 42.2#

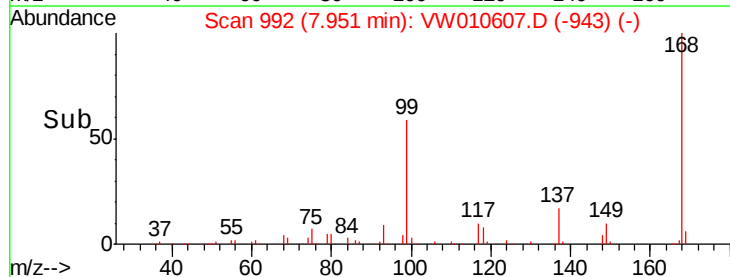
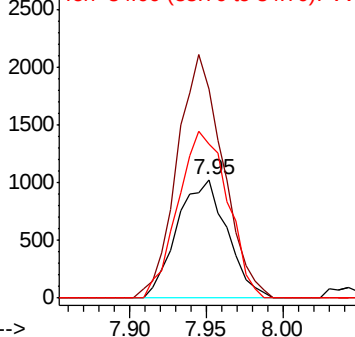
84 129.3 75.8 113.8#

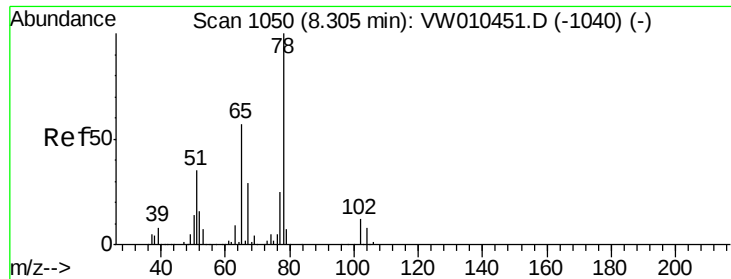


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

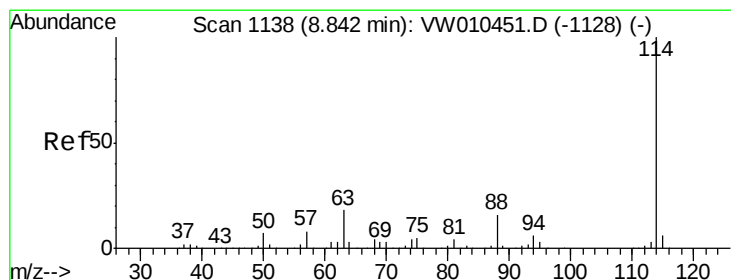
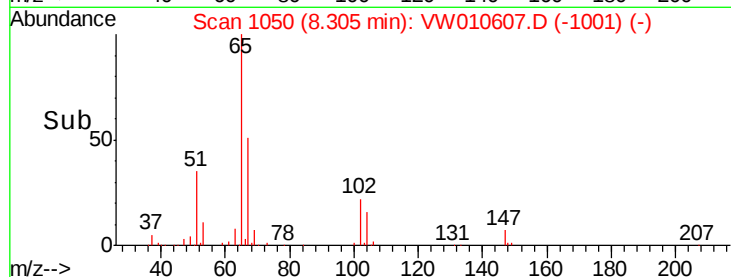
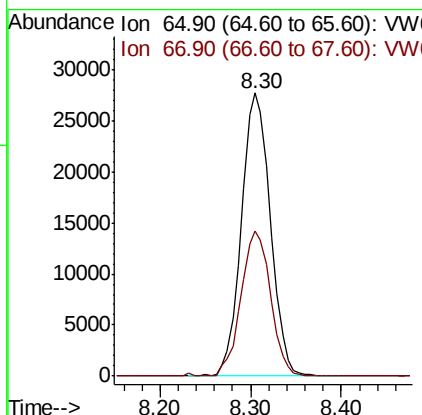
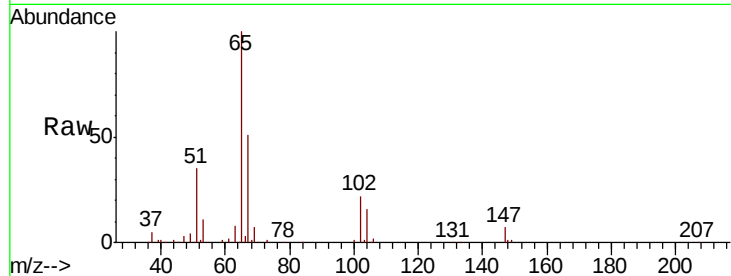




#33
 1,2-Dichloroethane-d4
 Concen: 50.999 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010607.D
 Acq: 30 May 2019 11:21

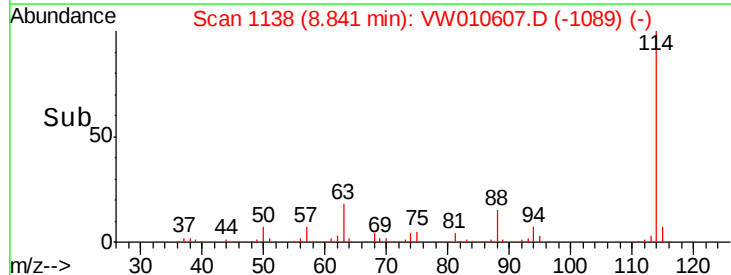
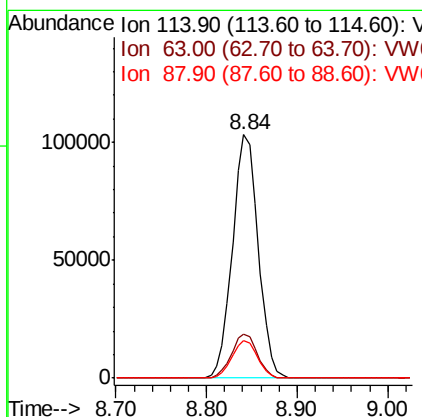
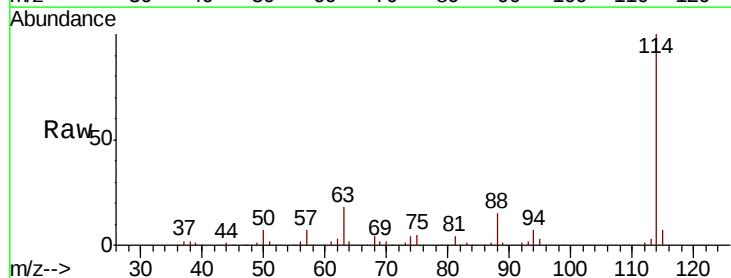
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBL01

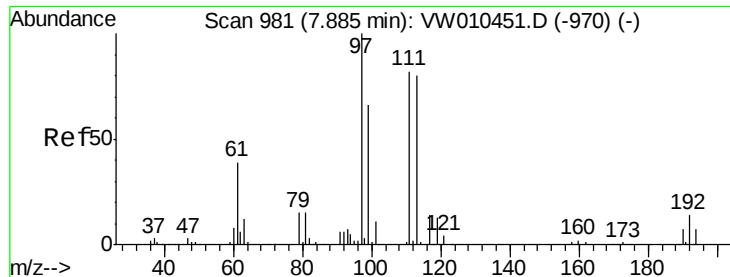
Tot Ion: 65 Resp: 61111
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010607.D
 Acq: 30 May 2019 11:21

Tgt Ion: 114 Resp: 203195
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 15.5 0.0 32.0

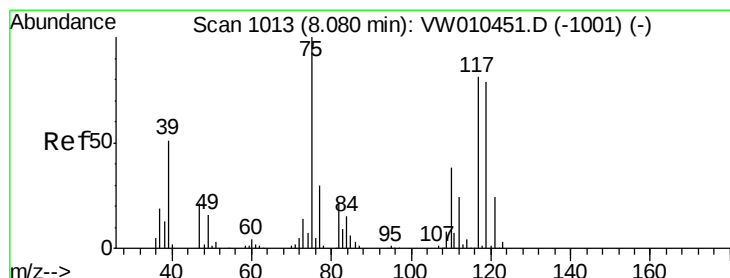
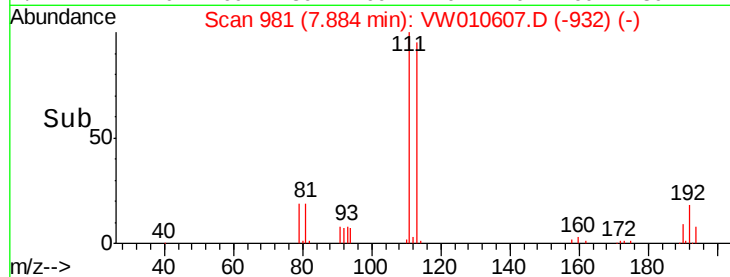
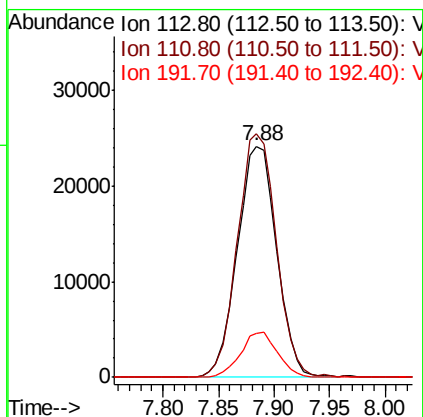
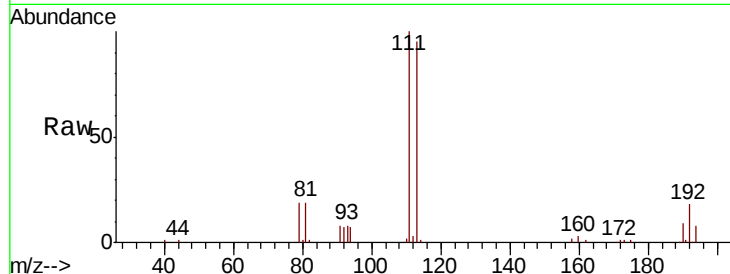




#35
 Dibromofluoromethane
 Concen: 48.031 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010607.D
 Acq: 30 May 2019 11:21

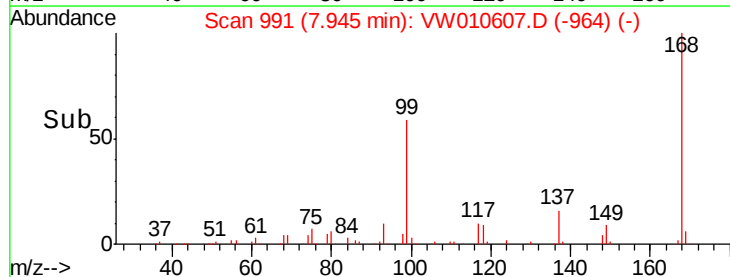
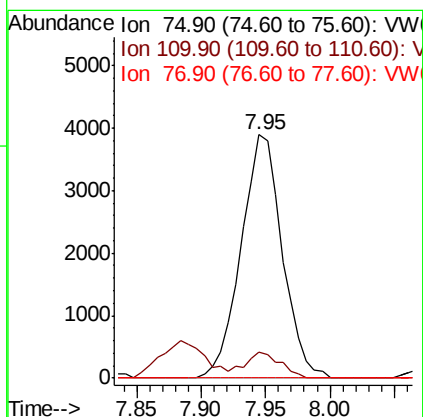
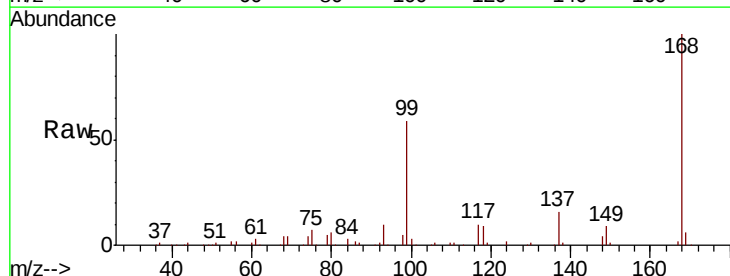
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBL01

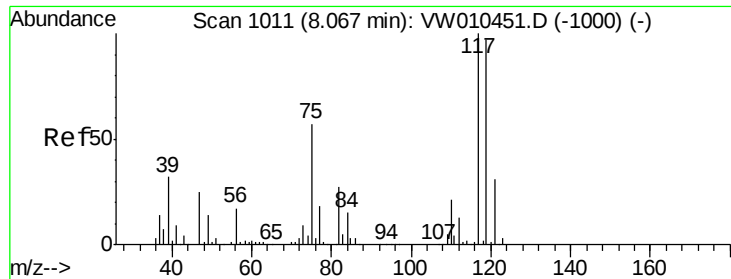
Tot Ion:113 Resp: 59220
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.2 123.4
 192 18.4 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010607.D
 Acq: 30 May 2019 11:21

Tgt Ion: 75 Resp: 8591
 Ion Ratio Lower Upper
 75 100
 110 9.0 19.2 57.6#
 77 0.0 25.2 37.8#

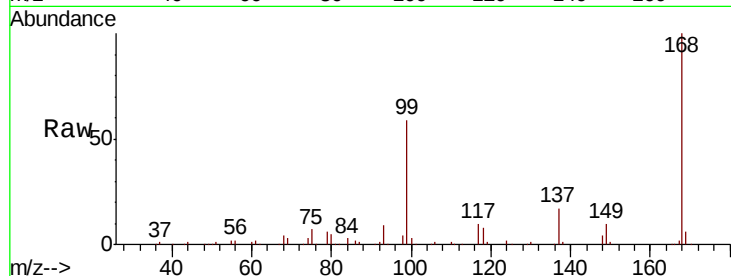




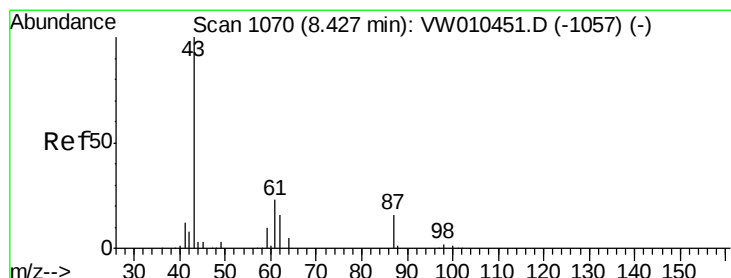
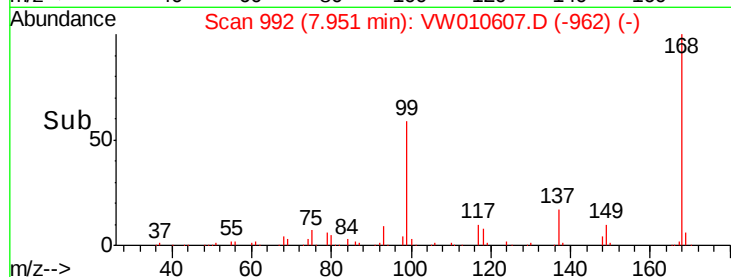
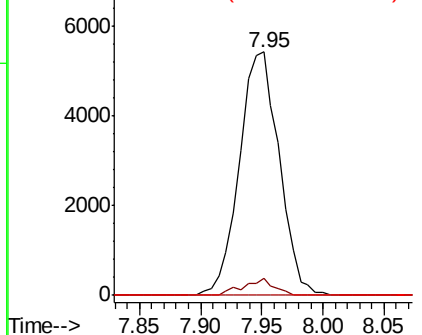
#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBL01

Tot Ion:117 Resp: 12234
Ion Ratio Lower Upper
117 100
119 6.9 77.4 116.0#
121 0.0 25.0 37.6#

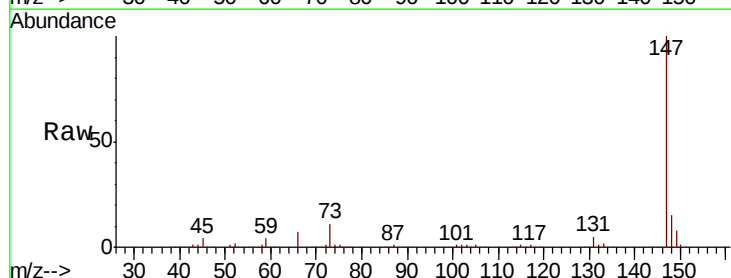


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

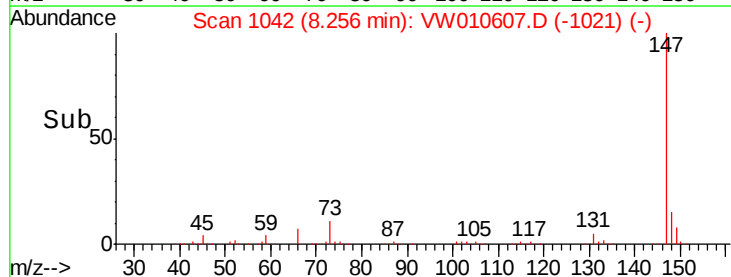
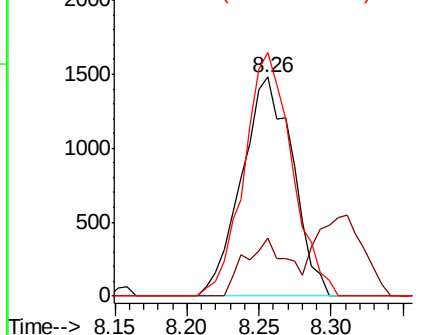


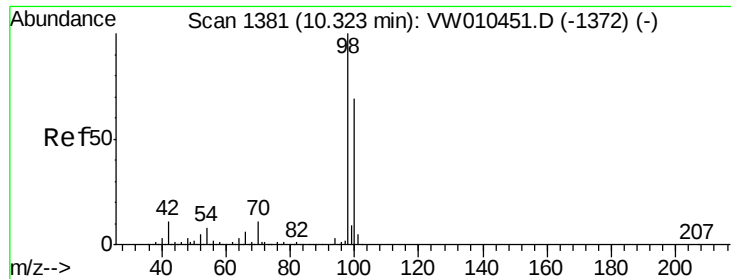
#43
Isopropyl Acetate
Concen: 2.266 ug/l
RT: 8.26 min Scan# 1042
Delta R.T. -0.17 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
61 22.6 25.4 38.2#
87 104.1 12.7 19.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW





#50

Toluene-d8

Concen: 51.953 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010607.D

Acq: 30 May 2019 11:21

Instrument :

MSVOA_W

ClientSampleId :

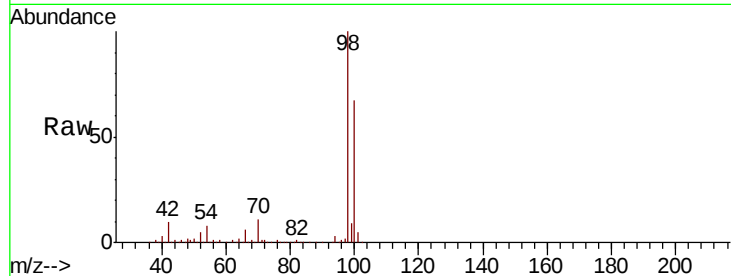
VW0530SBL01

Tot Ion: 98 Resp: 244706

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

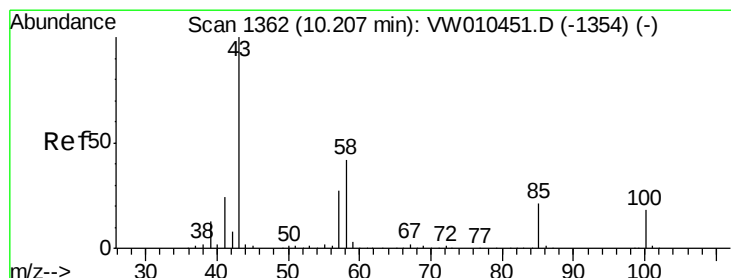
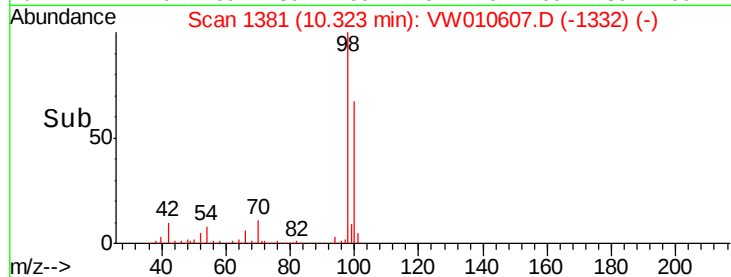
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 5.360 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010607.D

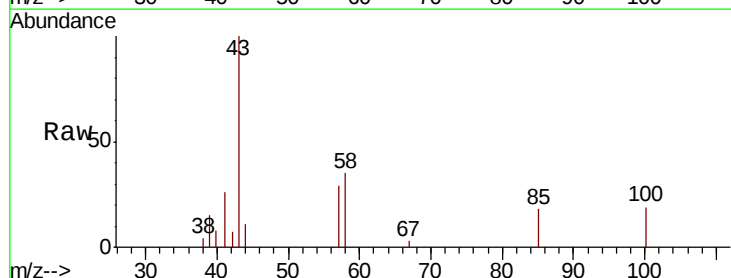
Acq: 30 May 2019 11:21

Tgt Ion: 43 Resp: 4368

Ion Ratio Lower Upper

43 100

58 40.8 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

2000

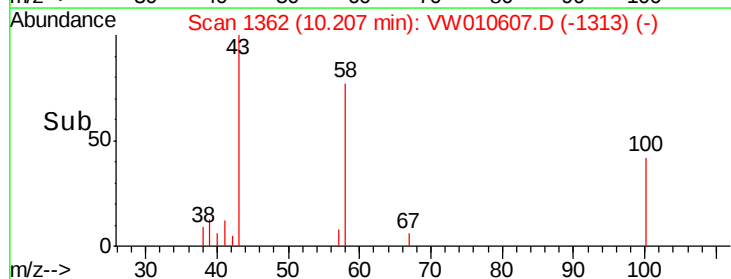
1500

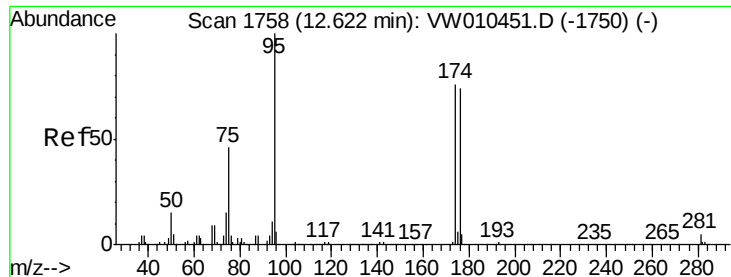
1000

500

0

Time--> 10.20 10.30

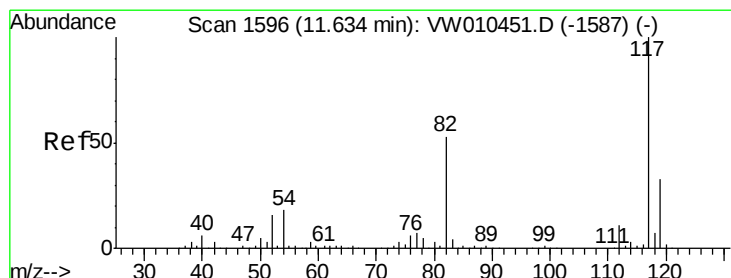
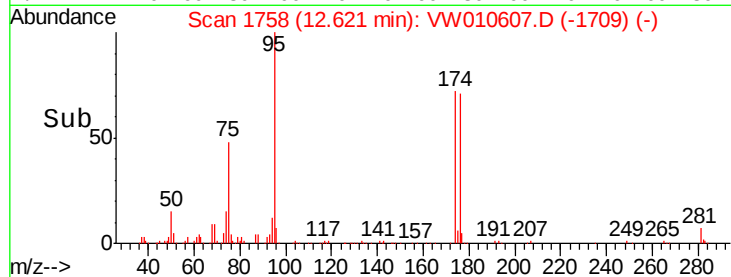
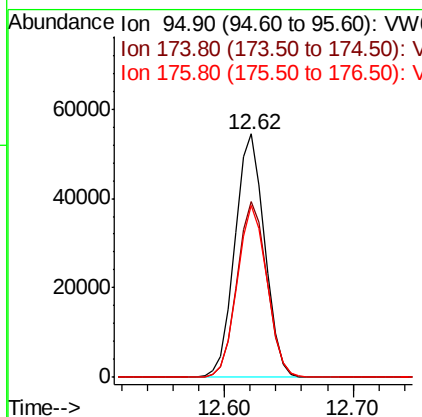
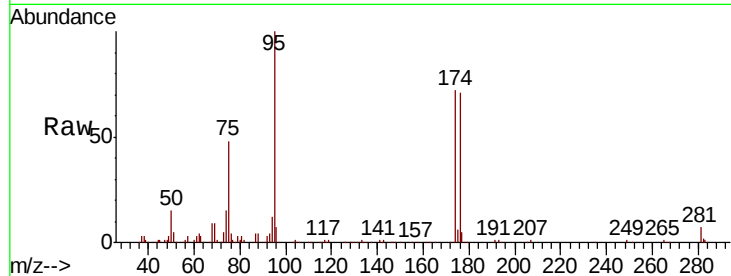




#62
4-Bromofluorobenzene
Concen: 46.533 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

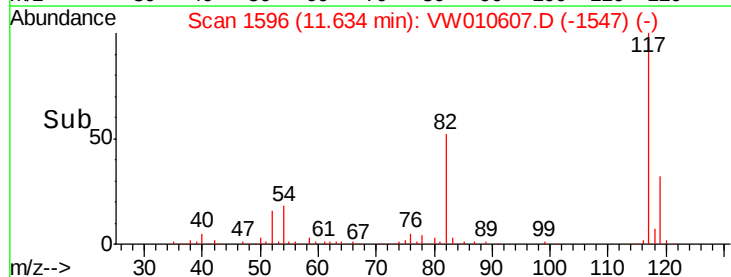
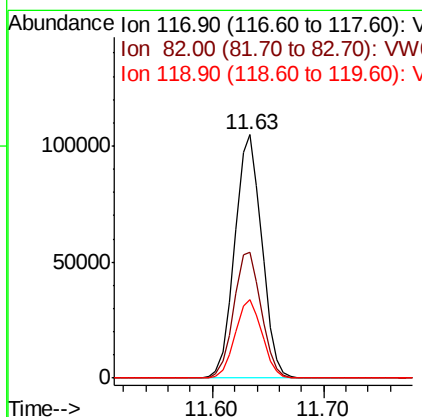
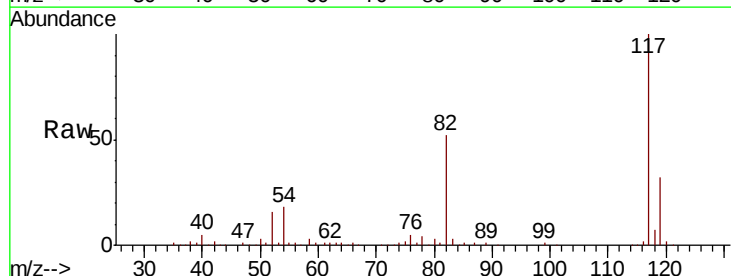
Instrument :
MSVOA_W
ClientSampleId :
VW0530SBL01

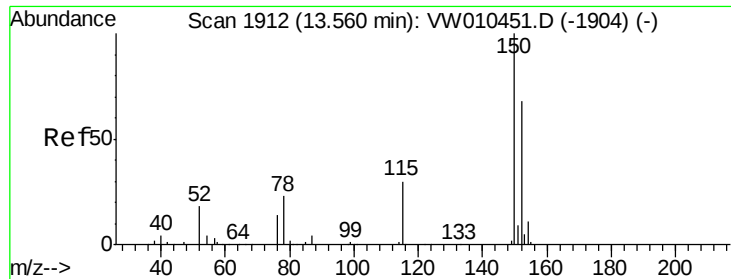
Tot Ion: 95 Resp: 87302
Ion Ratio Lower Upper
95 100
174 72.4 0.0 148.6
176 70.6 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Tgt Ion: 117 Resp: 176067
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 32.3 26.3 39.5



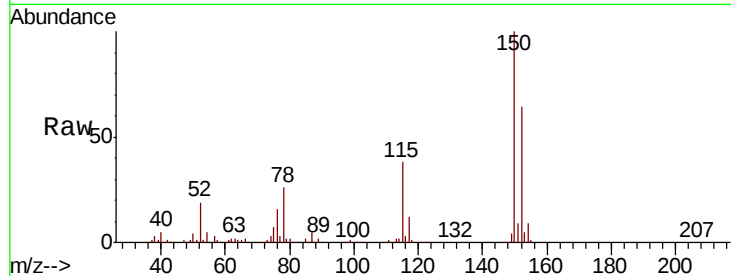


#72

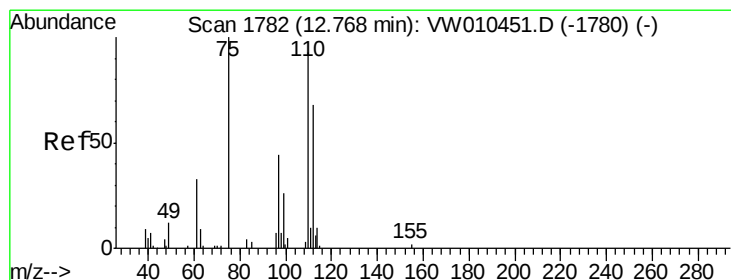
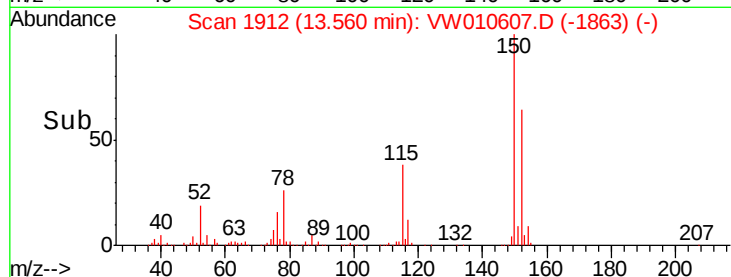
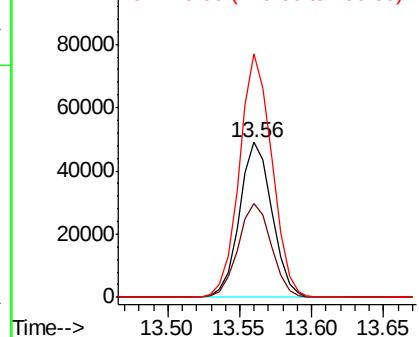
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Instrument :
MSVOA_W
ClientSampleId :
VW0530SBL01

Tot Ion:152 Resp: 76884
Ion Ratio Lower Upper
152 100
115 61.6 30.3 91.0
150 157.2 0.0 349.8



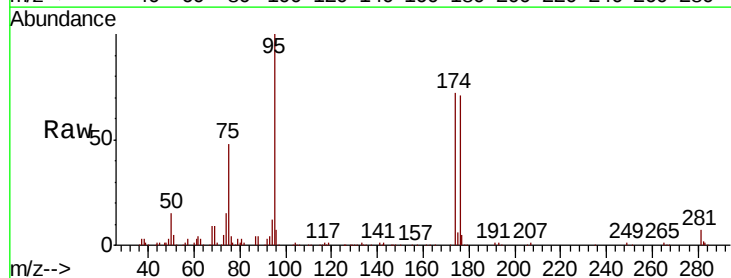
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



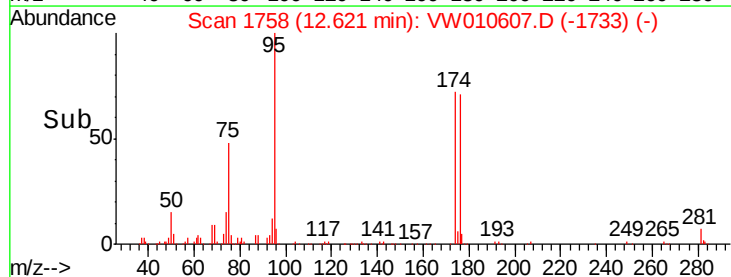
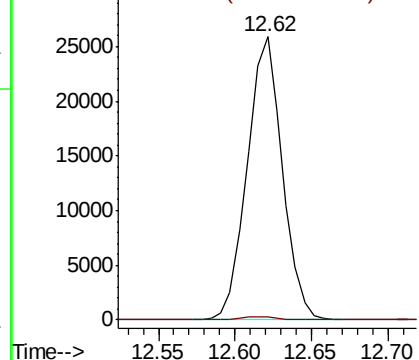
#76

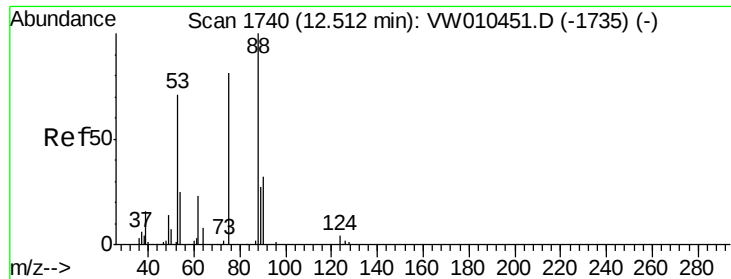
1,2,3-Trichloropropane
Concen: 52.741 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010607.D
Acq: 30 May 2019 11:21

Tgt Ion: 75 Resp: 41160
Ion Ratio Lower Upper
75 100
77 1.1 170.0 510.1#



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: 110.071 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010607.D
 Acq: 30 May 2019 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0530SBL01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	69.8	104.8#
89	0.0	39.5	59.3#

