

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010850.D
 Acq On : 19 Jun 2019 15:06
 Operator : SY/VA
 Sample : K3163-09RE
 Misc : 6.02G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-061719-A

Quant Time: Jun 20 05:47:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	171529	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.88	113	123891	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.32	98	507167	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	175368	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

Target Compounds

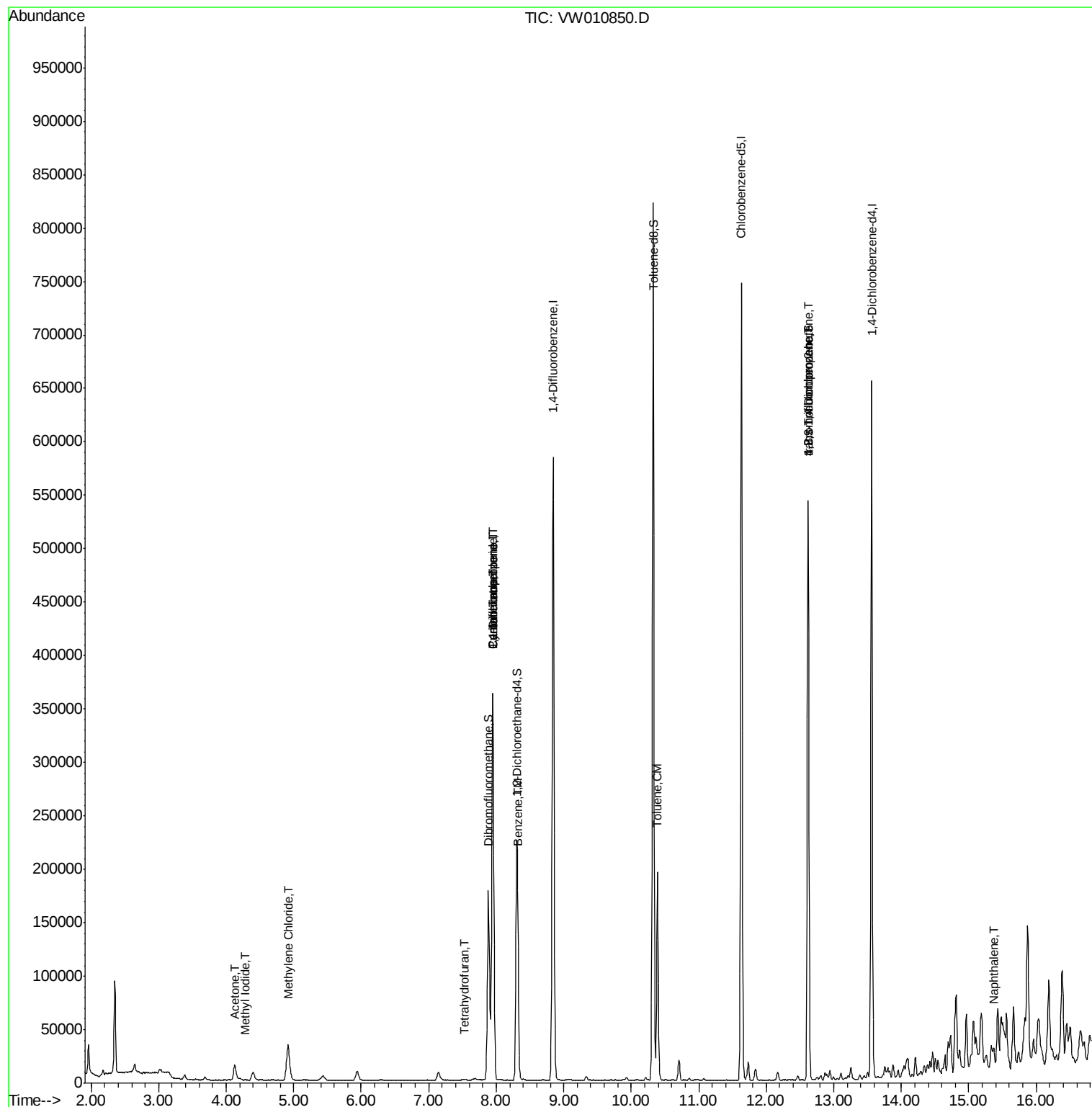
					Qvalue	
10) Methyl Iodide	4.28	142	265	4.888	ug/l #	51
16) Acetone	4.12	43	26834	32.863	ug/l	93
20) Methylene Chloride	4.92	84	22878	7.987	ug/l	94
29) Tetrahydrofuran	7.53	42	1249	1.754	ug/l #	80
31) Cyclohexane	7.95	56	8351	1.358	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	23709	5.142	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26461	6.648	ug/l #	17
40) Benzene	8.32	78	16942	1.347	ug/l	97
52) Toluene	10.39	92	76941	9.941	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	94880	58.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94880	133.627	ug/l #	5
95) Naphthalene	15.37	128	6785	1.204	ug/l #	91

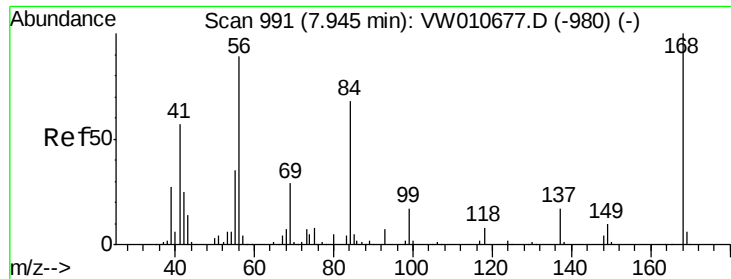
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

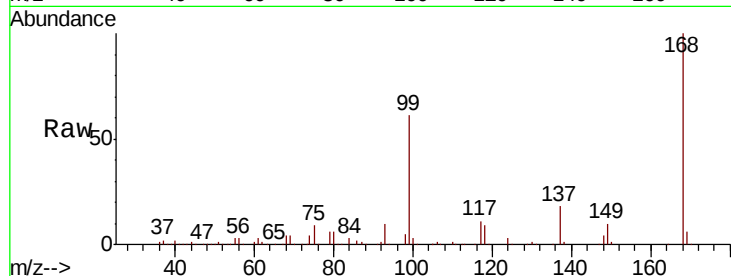
SU-03-061719-A

Tot Ion:168 Resp: 258546

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

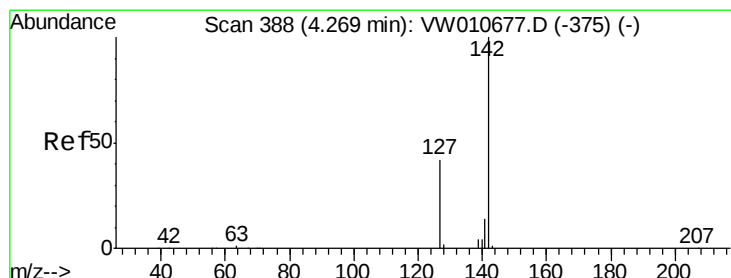
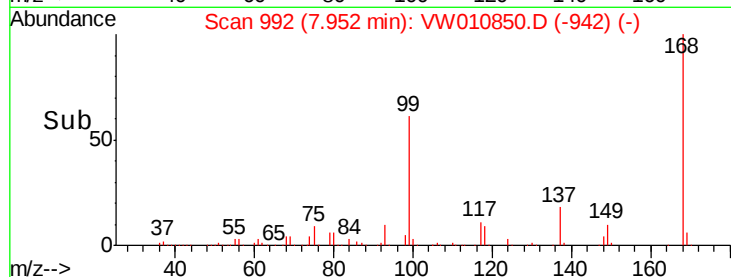
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 4.888 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

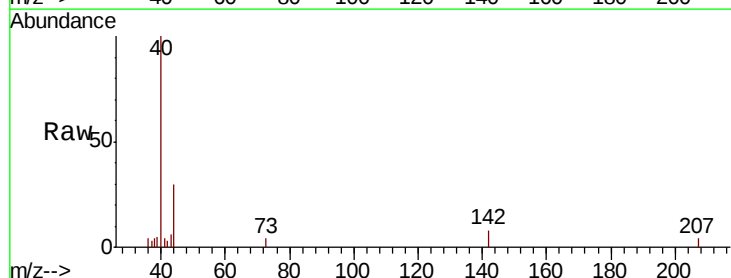
Tgt Ion:142 Resp: 265

Ion Ratio Lower Upper

142 100

127 8.7 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.28

200

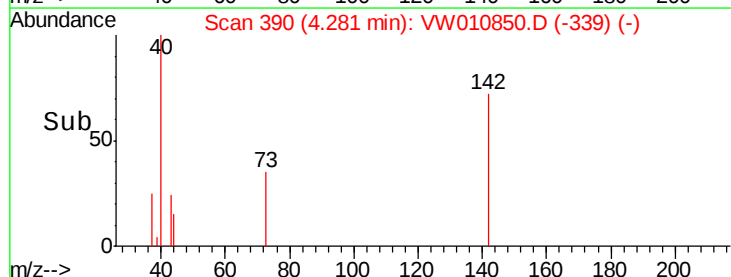
150

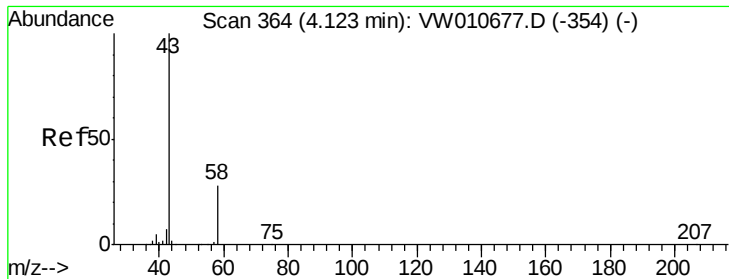
100

50

0

Time--> 4.25 4.30





#16

Acetone

Concen: 32.863 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

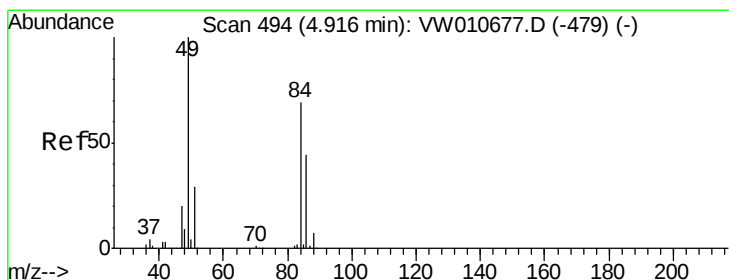
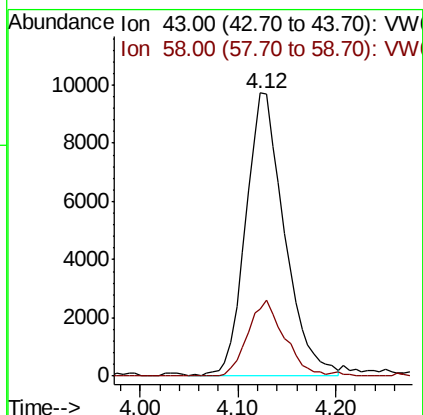
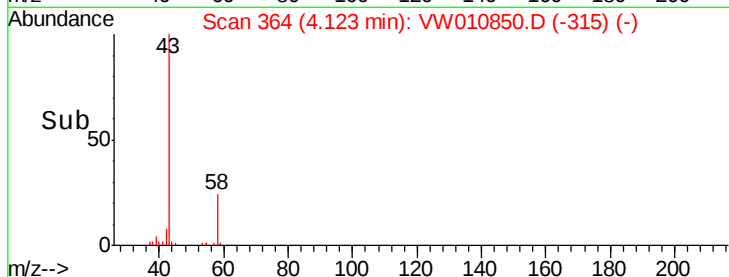
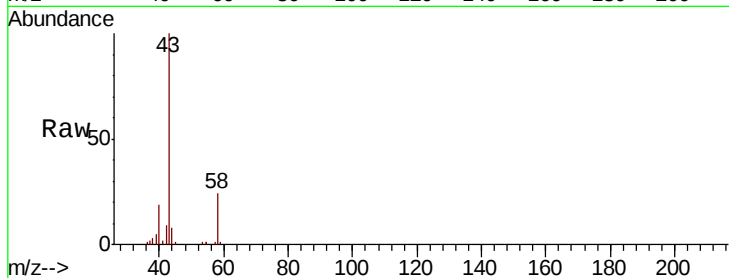
SU-03-061719-A

Tot Ion: 43 Resp: 26834

Ion Ratio Lower Upper

43 100

58 23.9 22.1 33.1



#20

Methylene Chloride

Concen: 7.987 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Tgt Ion: 84 Resp: 22878

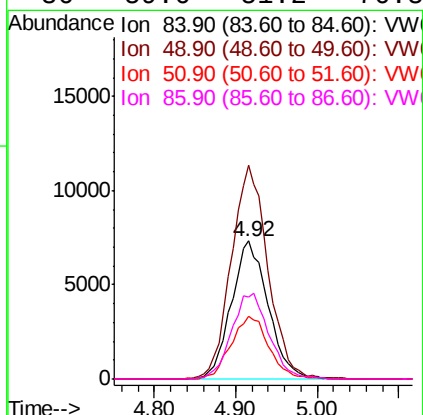
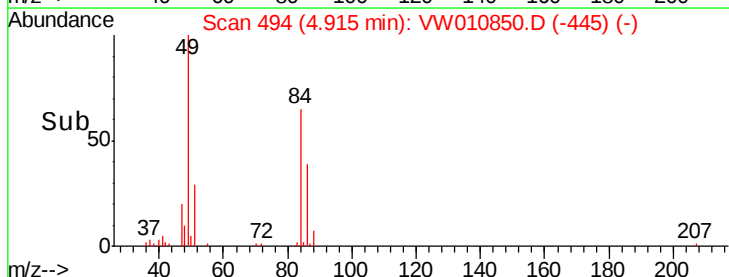
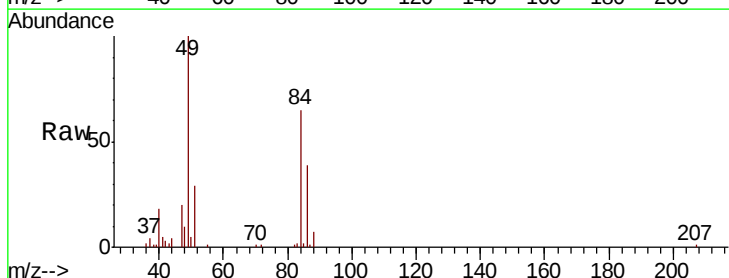
Ion Ratio Lower Upper

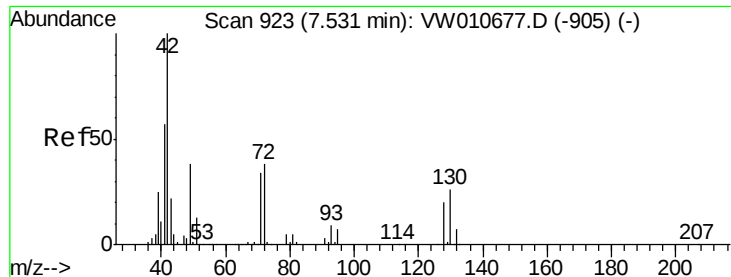
84 100

49 154.6 116.7 175.1

51 45.1 34.2 51.2

86 59.6 51.2 76.8

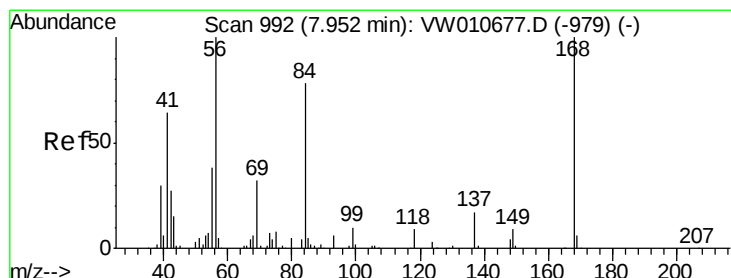
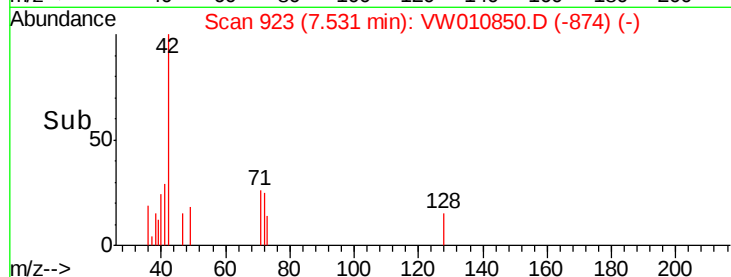
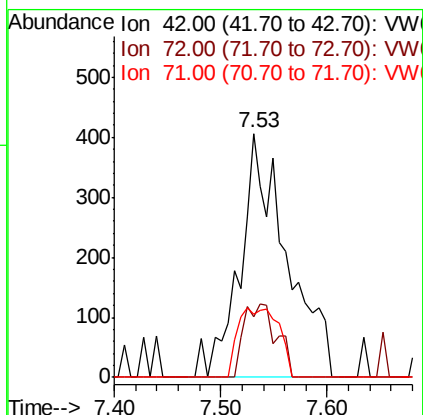
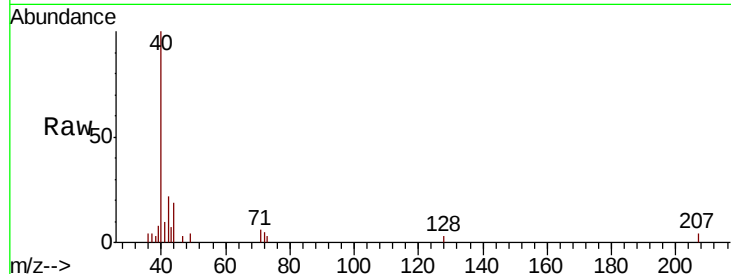




#29
Tetrahydrofuran
Concen: 1.754 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

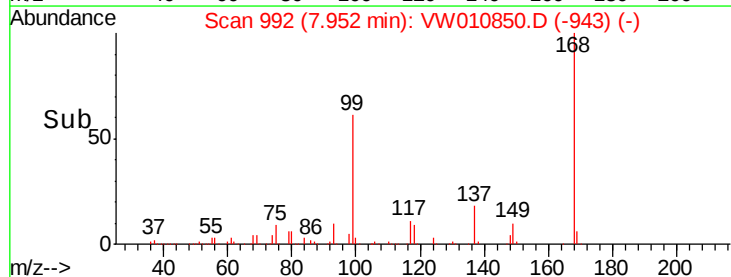
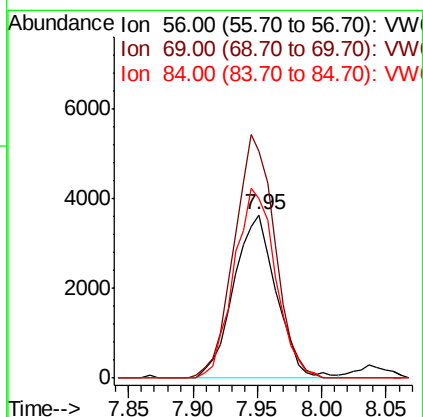
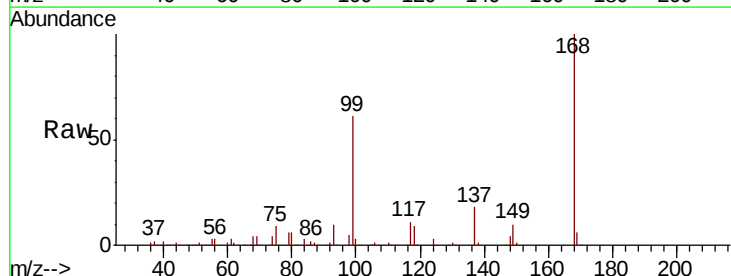
Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-A

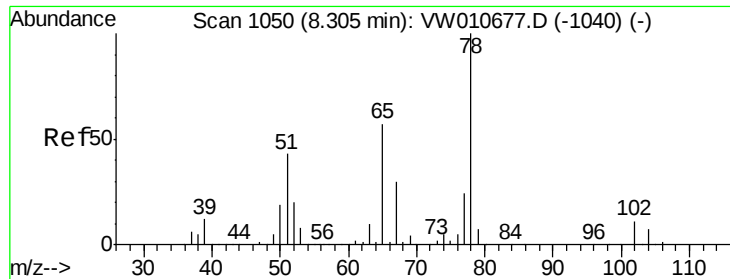
Tot Ion	Ratio	Lower	Upper
42	100		
72	21.3	28.7	43.1#
71	24.9	26.6	39.8#



#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	139.5	25.2	37.8#
84	110.4	62.2	93.2#

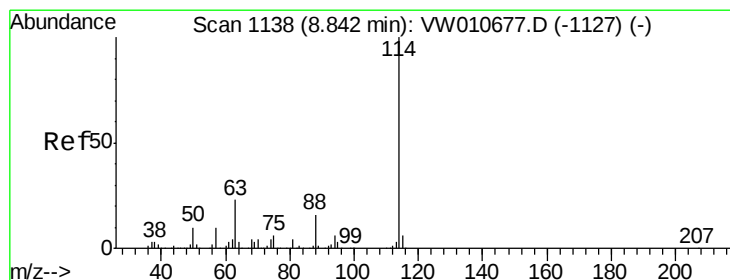
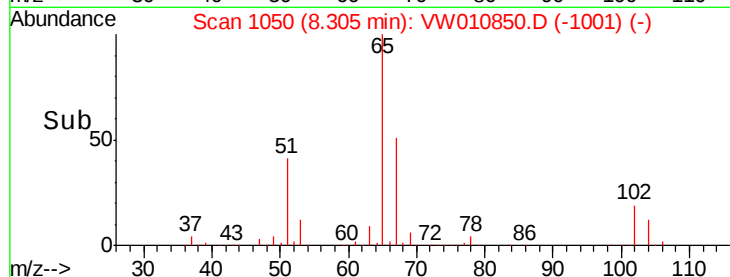
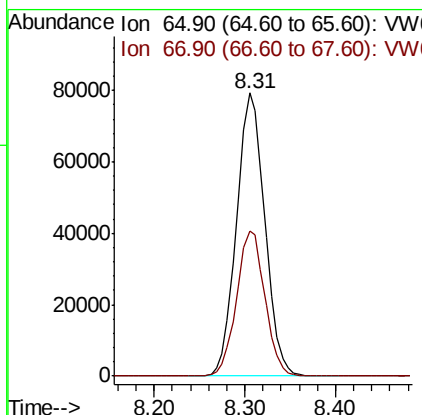
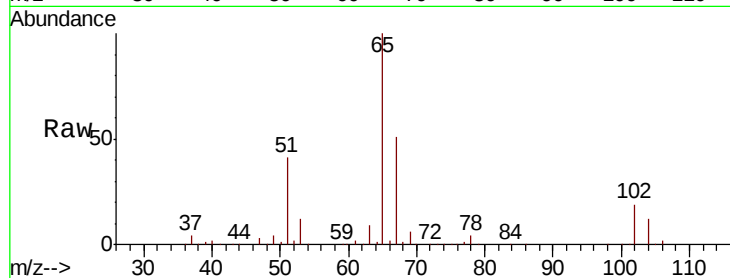




#33
 1,2-Dichloroethane-d4
 Concen: 56.287 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010850.D
 Acq: 19 Jun 2019 15:06

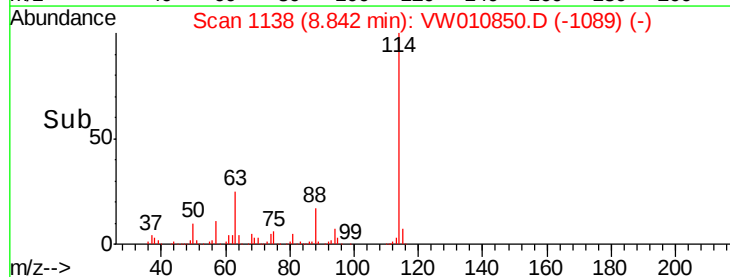
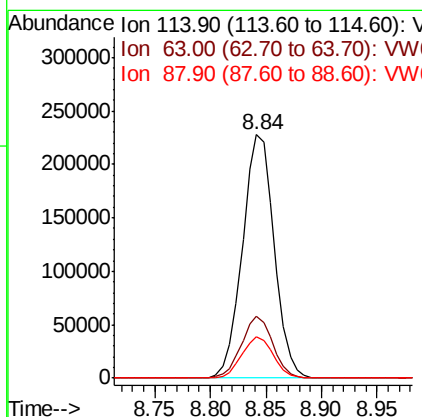
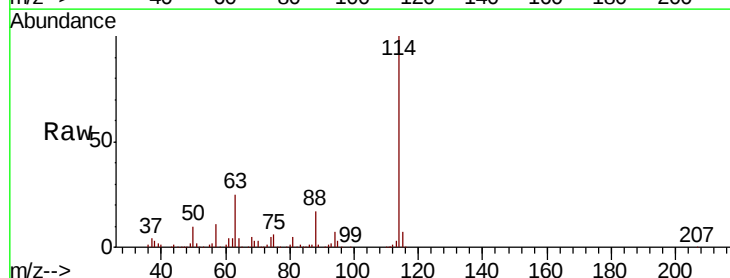
Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-061719-A

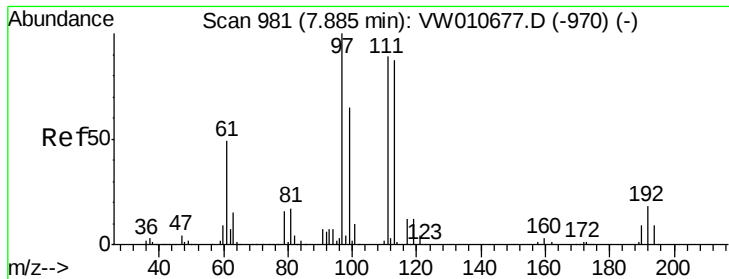
Tot Ion: 65 Resp: 171529
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010850.D
 Acq: 19 Jun 2019 15:06

Tgt Ion: 114 Resp: 450473
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 46.4
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.670 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-A

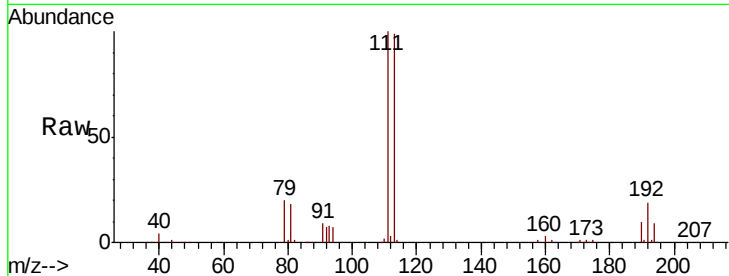
Tot Ion:113 Resp: 123891

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

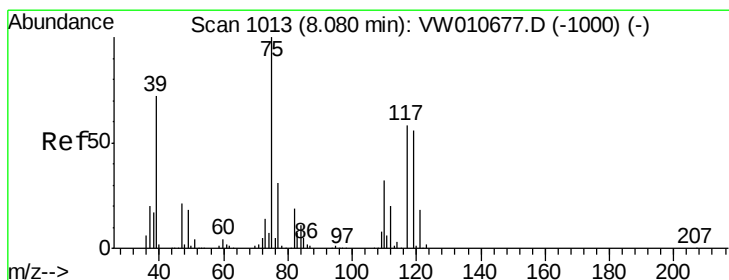
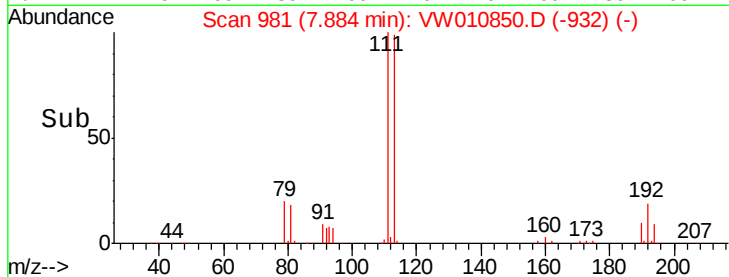
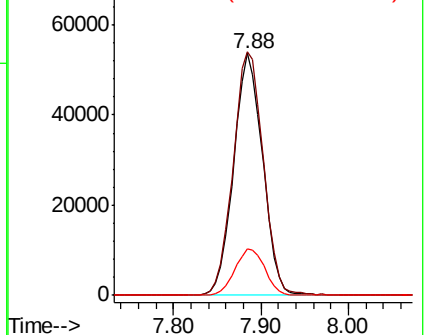
192 19.8 16.4 24.6



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: 5.142 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

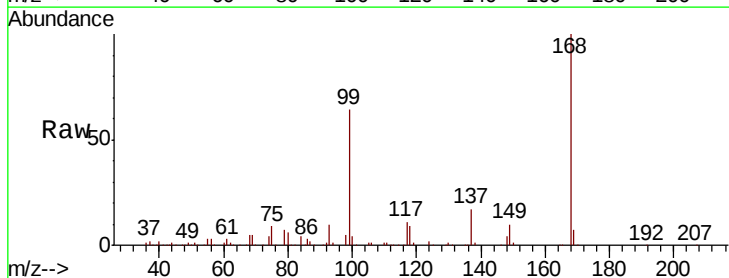
Tgt Ion: 75 Resp: 23709

Ion Ratio Lower Upper

75 100

110 8.1 15.8 47.3#

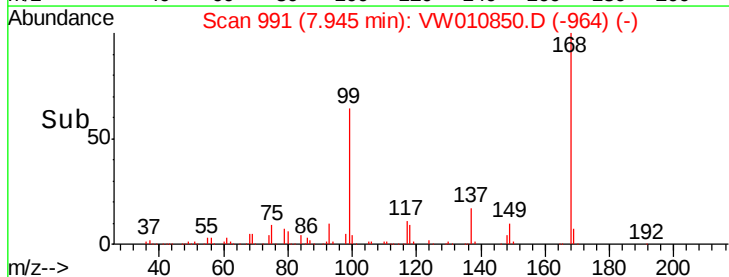
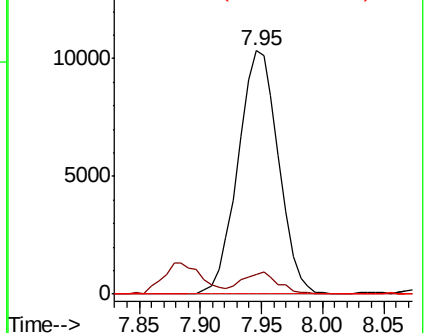
77 0.0 24.7 37.1#

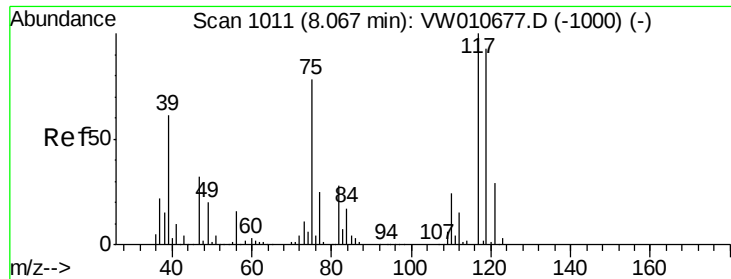


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

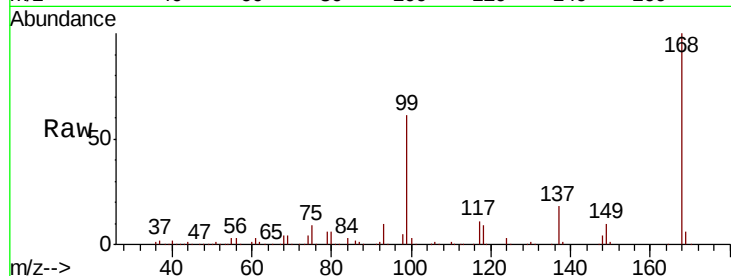




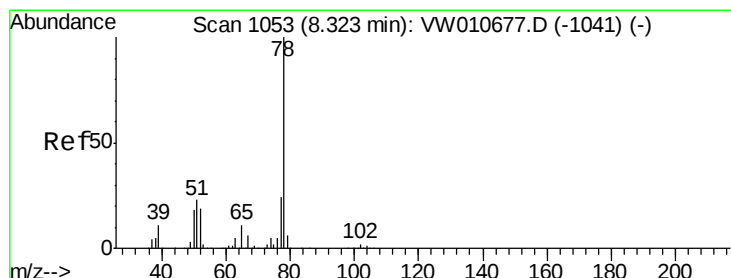
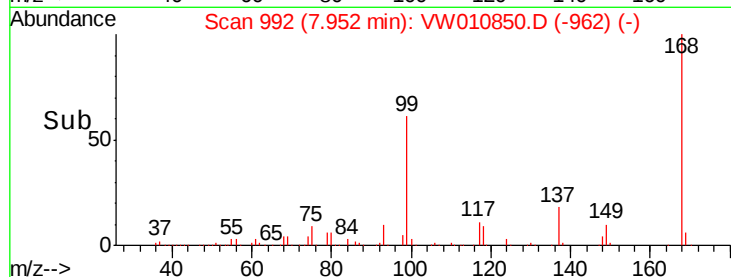
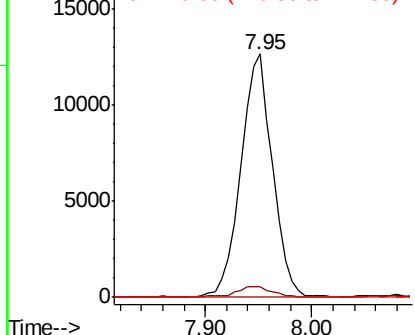
#38
Carbon Tetrachloride
Concen: 6.648 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-A

Tot Ion:117 Resp: 26461
Ion Ratio Lower Upper
117 100
119 4.3 74.2 111.4#
121 0.0 22.9 34.3#

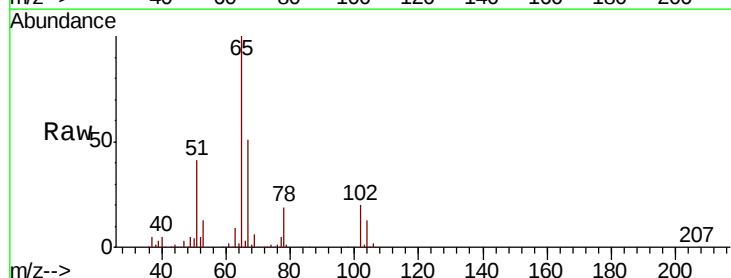


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

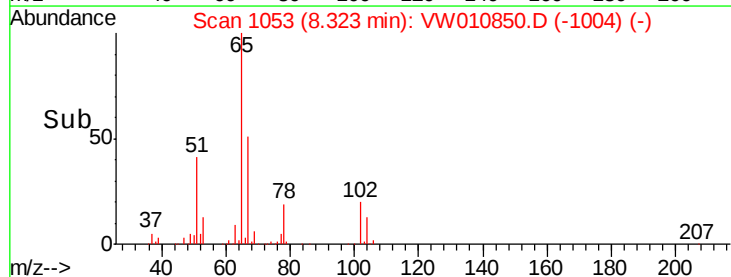
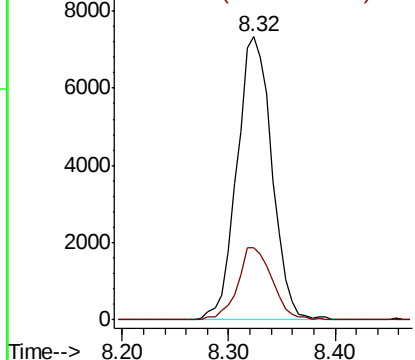


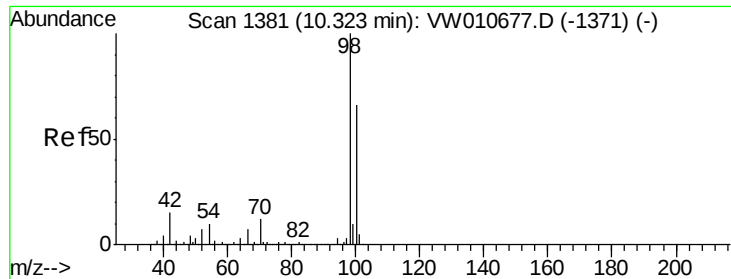
#40
Benzene
Concen: 1.347 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

Tgt Ion: 78 Resp: 16942
Ion Ratio Lower Upper
78 100
77 25.3 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

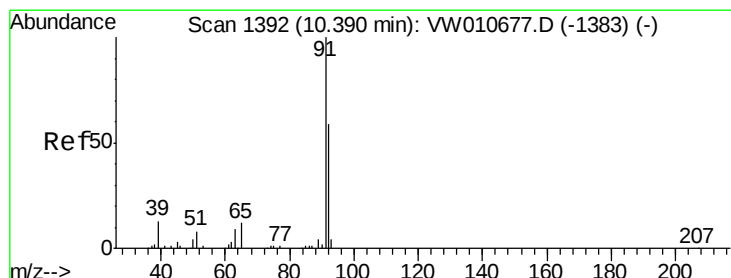
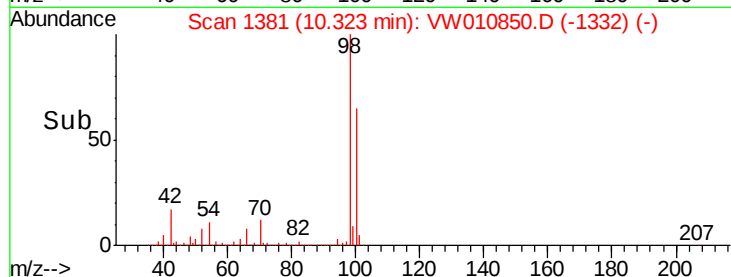
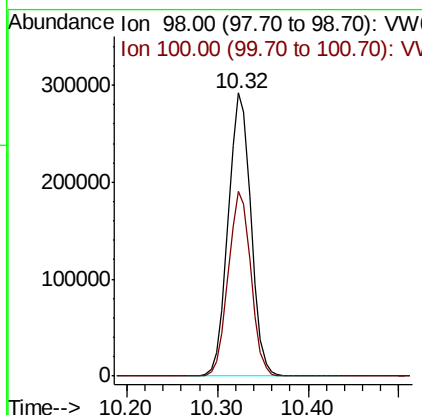
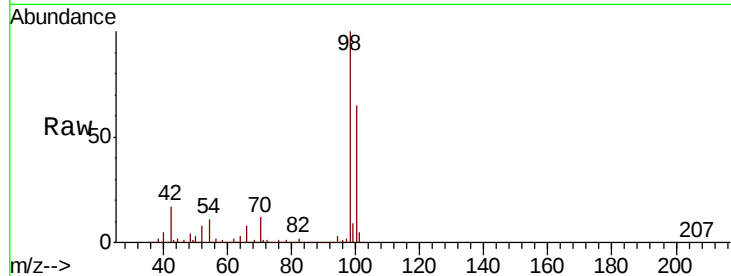




#50
Toluene-d8
Concen: 47.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

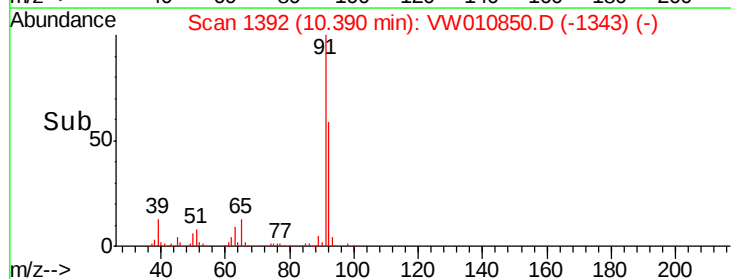
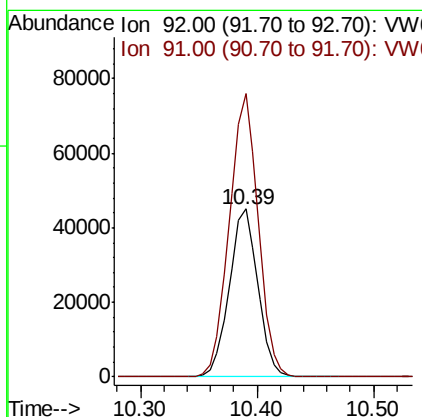
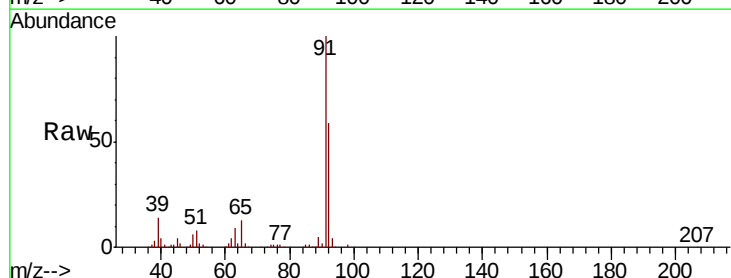
Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-A

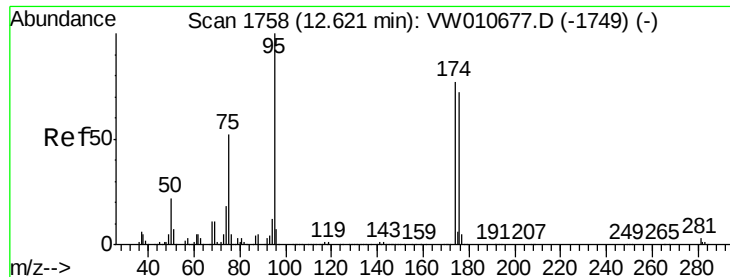
Tot Ion: 98 Resp: 507167
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#52
Toluene
Concen: 9.941 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

Tgt Ion: 92 Resp: 76941
Ion Ratio Lower Upper
92 100
91 170.5 134.9 202.3

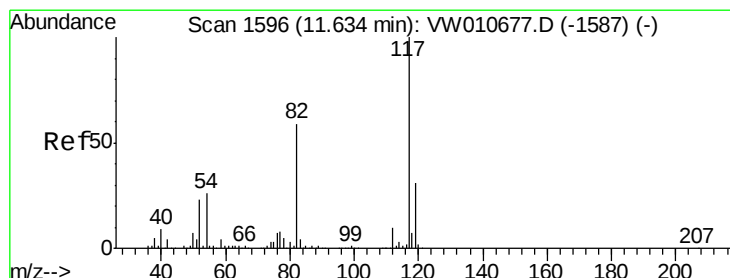
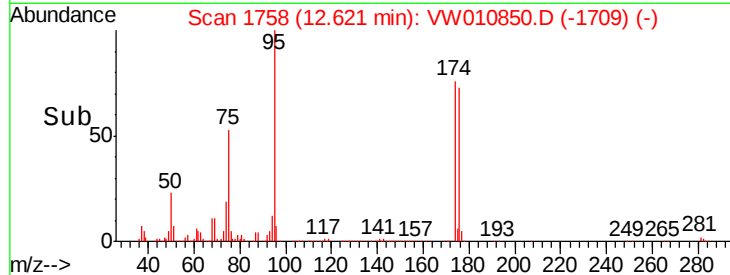
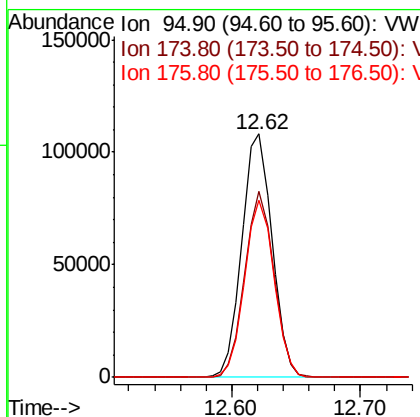
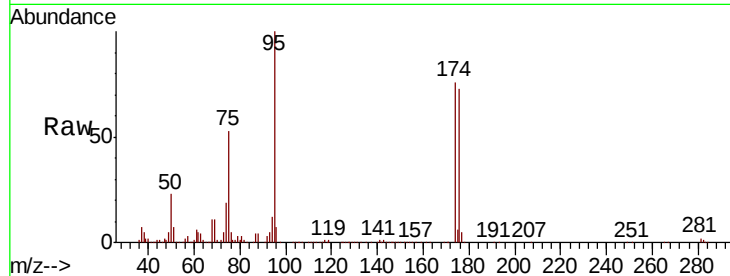




#62
4-Bromofluorobenzene
Concen: 44.948 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

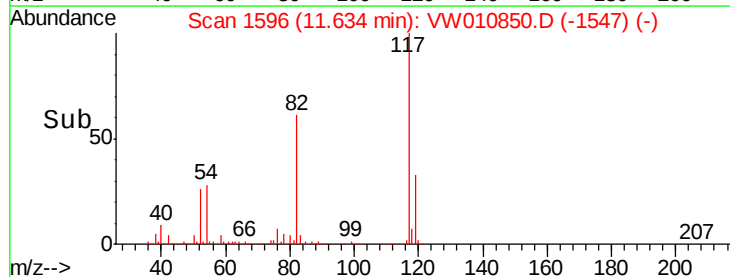
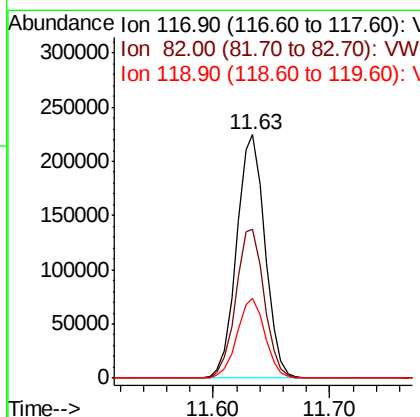
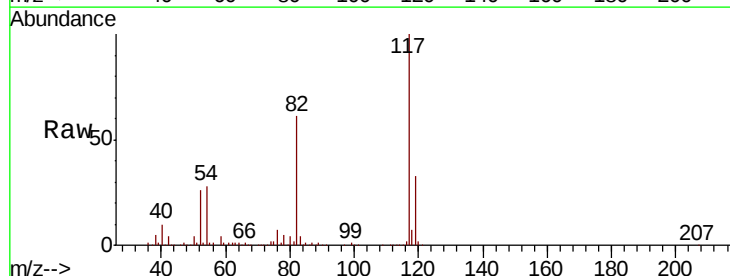
Instrument :
MSVOA_W
ClientSampleId :
SU-03-061719-A

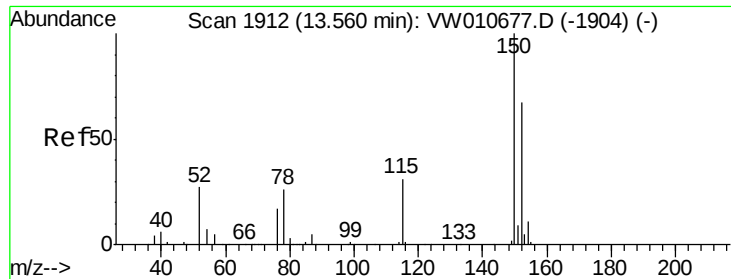
Tot Ion: 95 Resp: 175368
Ion Ratio Lower Upper
95 100
174 73.6 0.0 150.4
176 71.1 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010850.D
Acq: 19 Jun 2019 15:06

Tgt Ion: 117 Resp: 381276
Ion Ratio Lower Upper
117 100
82 61.2 47.0 70.4
119 32.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-A

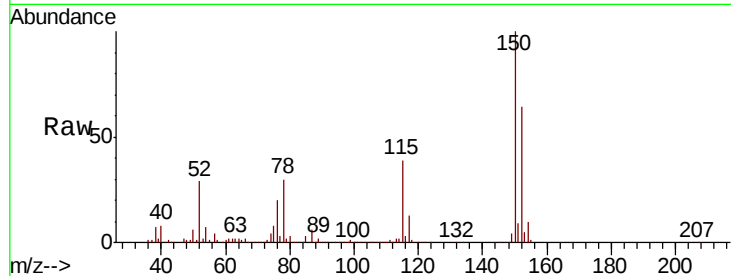
Tot Ion:152 Resp: 155398

Ion Ratio Lower Upper

152 100

115 61.3 29.8 89.3

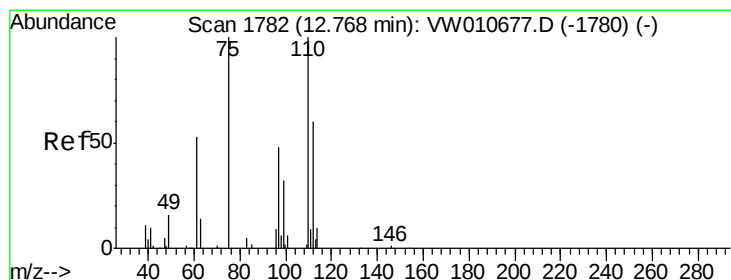
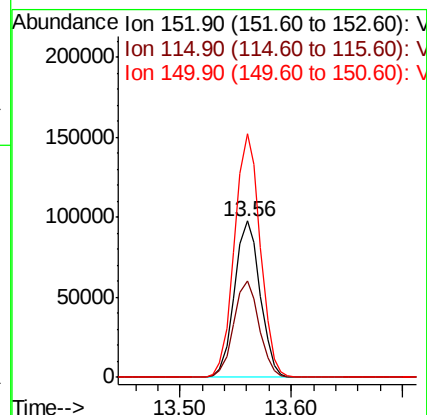
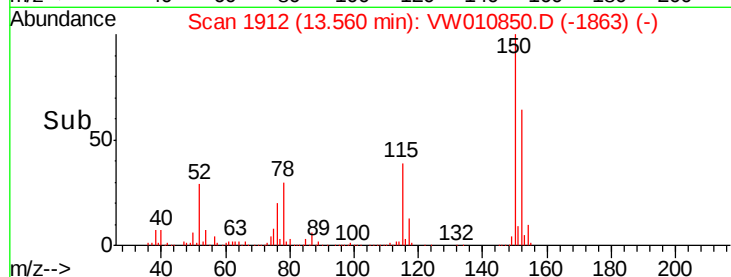
150 156.9 0.0 345.0



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: 58.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010850.D

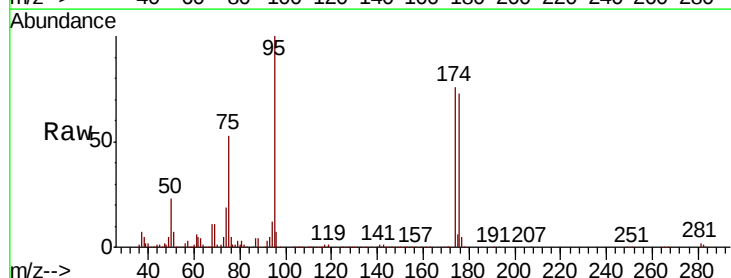
Acq: 19 Jun 2019 15:06

Tgt Ion: 75 Resp: 94880

Ion Ratio Lower Upper

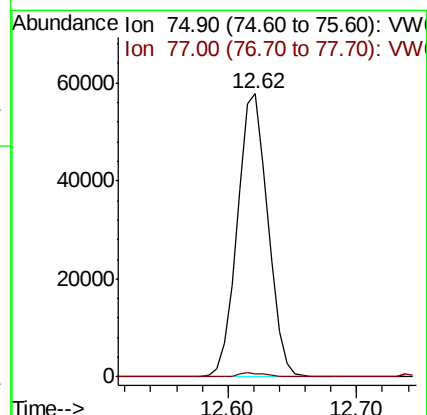
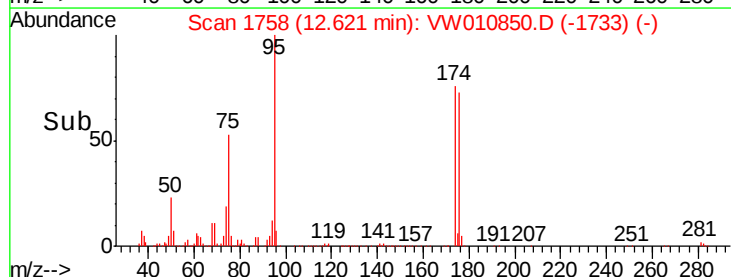
75 100

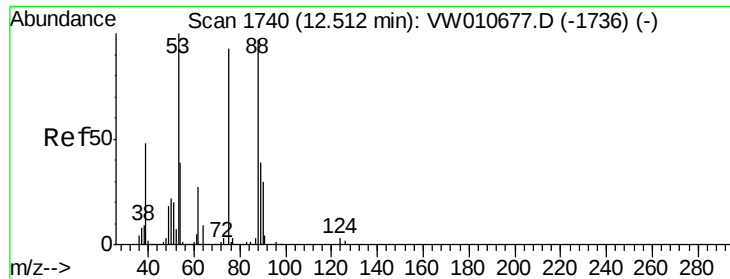
77 1.4 0.0 0.0#



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: 133.627 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

SU-03-061719-A

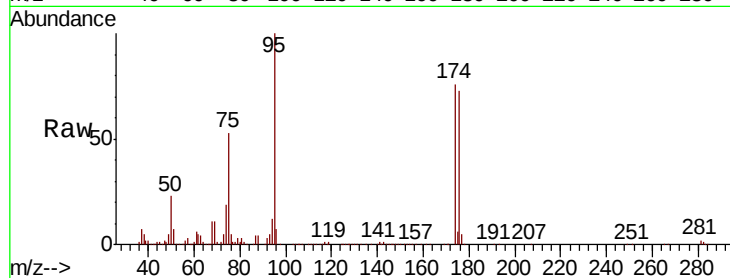
Tot Ion: 75 Resp: 94880

Ion Ratio Lower Upper

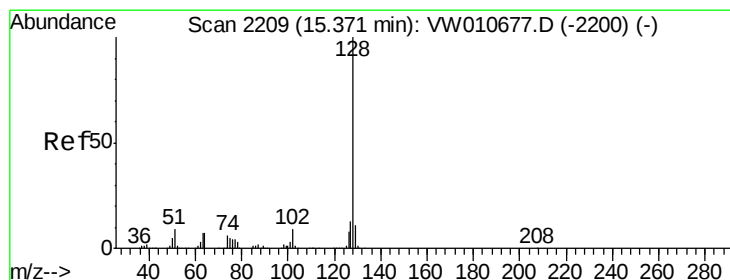
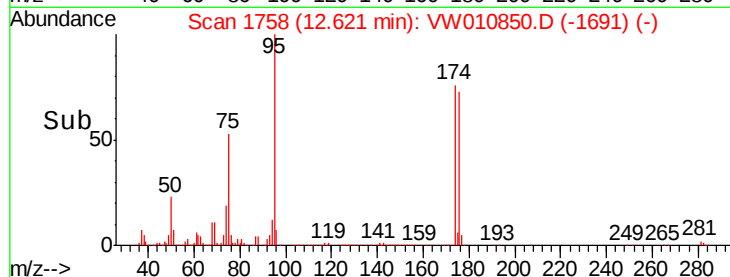
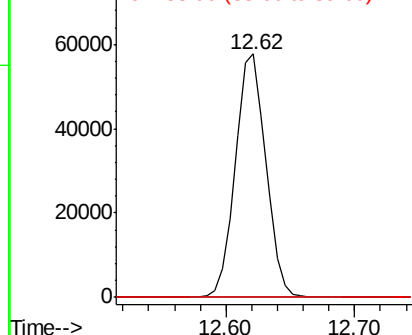
75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#



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: 1.204 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010850.D

Acq: 19 Jun 2019 15:06

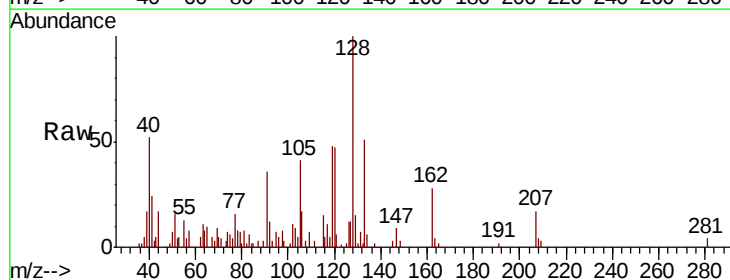
Tgt Ion: 128 Resp: 6785

Ion Ratio Lower Upper

128 100

127 17.4 10.6 15.8#

129 8.4 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

