

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011883.D
 Acq On : 13 Aug 2019 06:20
 Operator : SY/VA
 Sample : K4095-05
 Misc : 7.15G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 09:26:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	303044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122789	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143971	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
35) Dibromofluoromethane	7.88	113	111863	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.32	98	448271	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
62) 4-Bromofluorobenzene	12.62	95	141733	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

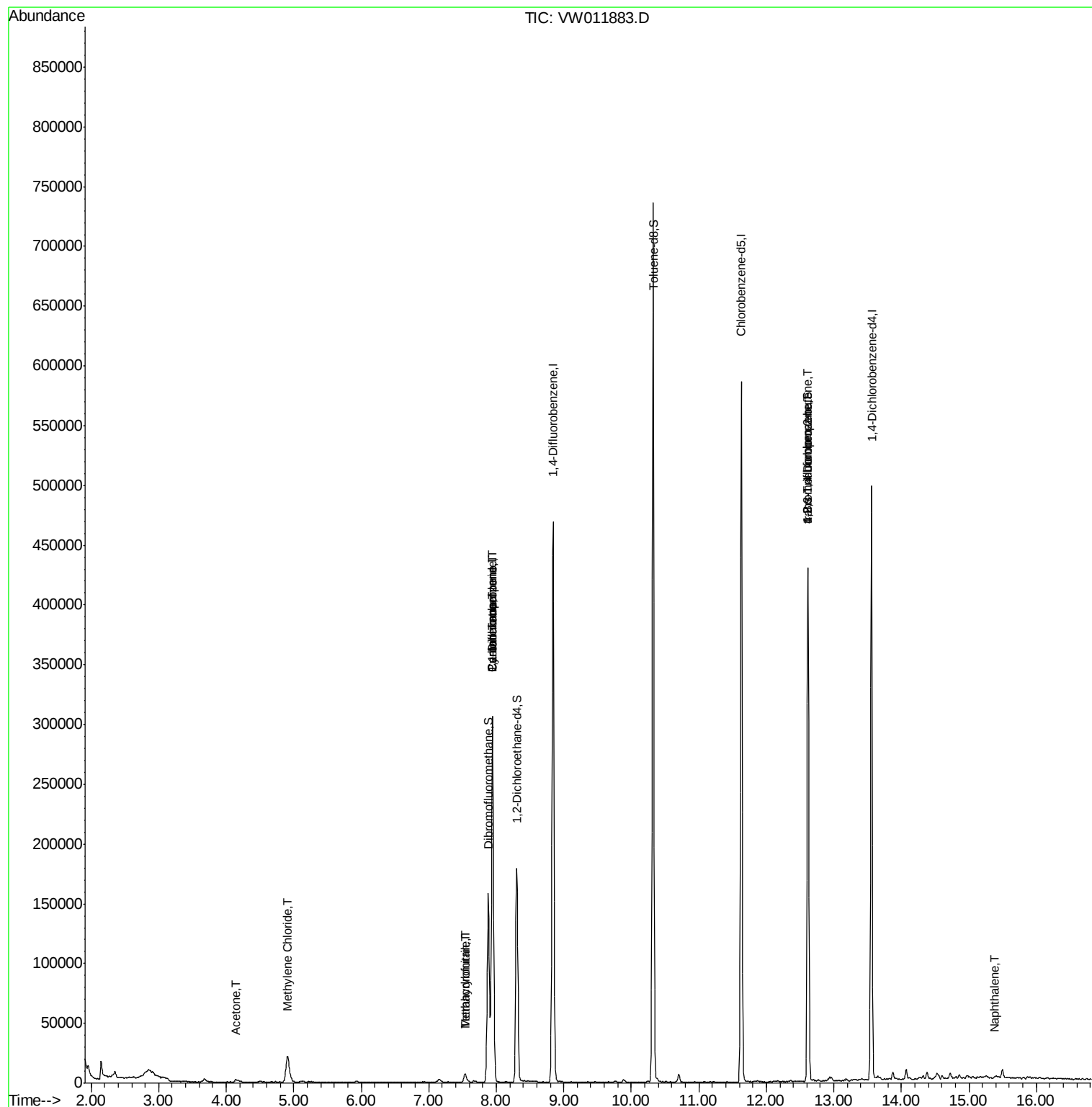
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	219	Below Cal	#	72
16) Acetone	4.14	43	4841	6.094	ug/l	97
20) Methylene Chloride	4.91	84	16765	6.119	ug/l	97
29) Tetrahydrofuran	7.54	42	6942	11.683	ug/l	97
31) Cyclohexane	7.95	56	5751	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19232	5.043	ug/l #	51
38) Carbon Tetrachloride	7.95	117	22404	6.862	ug/l #	17
41) Methacrylonitrile	7.54	41	4236	3.230	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	77516	59.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77516	137.501	ug/l #	6
95) Naphthalene	15.37	128	82	2.082	ug/l #	74

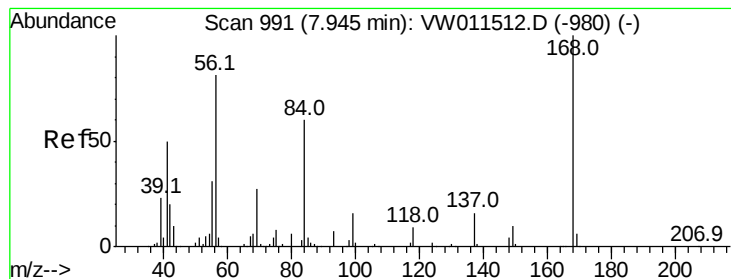
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
Data File : VW011883.D
Acq On : 13 Aug 2019 06:20
Operator : SY/VA
Sample : K4095-05
Misc : 7.15G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 13 09:26:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :

MSVOA_W

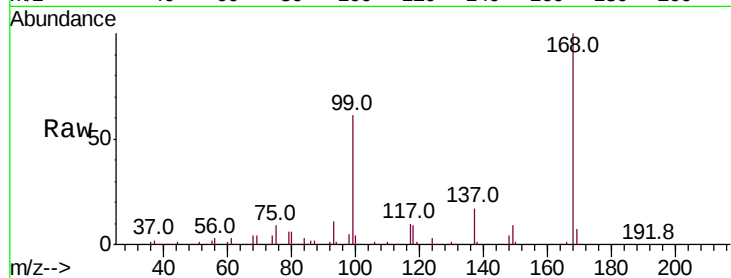
ClientSampleId :

Tot Ion:168 Resp: 217485

Ion Ratio Lower Upper

168 100

99 61.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

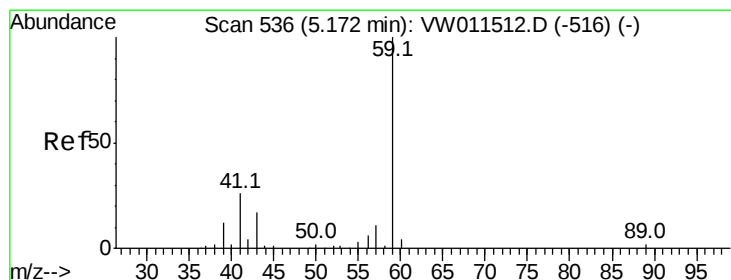
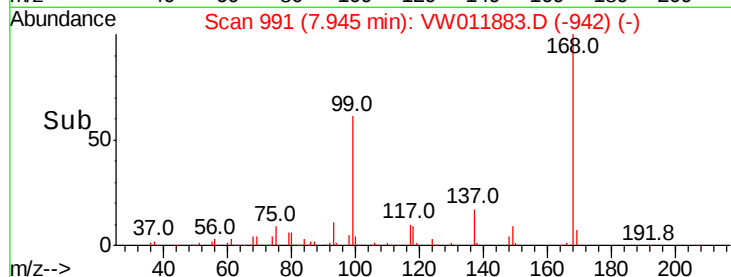
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011883.D

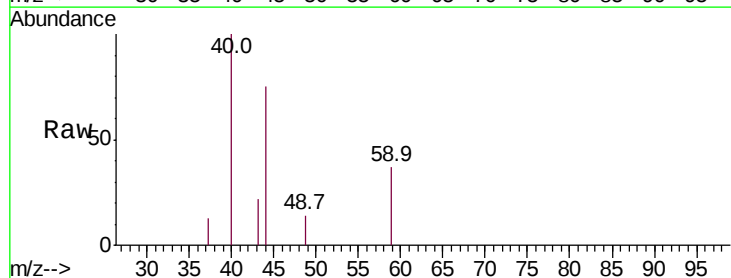
Acq: 13 Aug 2019 06:20

Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

200 Ion 57.00 (56.70 to 57.70): VW

150

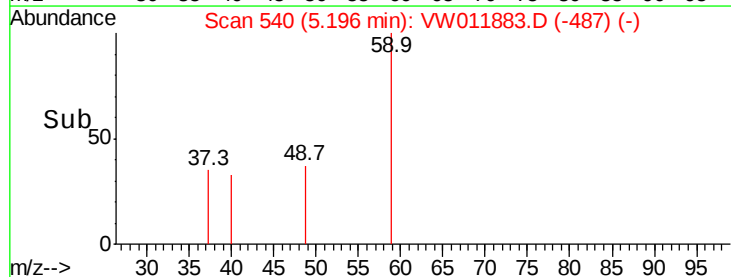
100

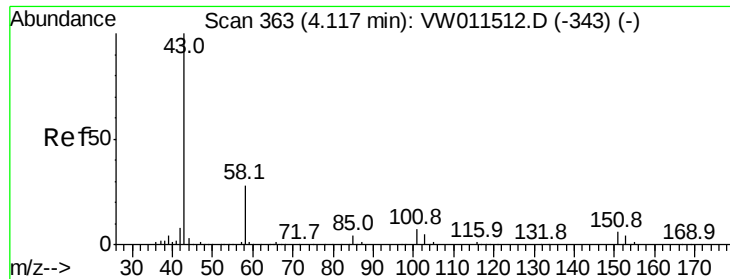
50

0

5.16 5.18 5.20 5.22

Time-->





#16

Acetone

Concen: 6.094 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :

MSVOA_W

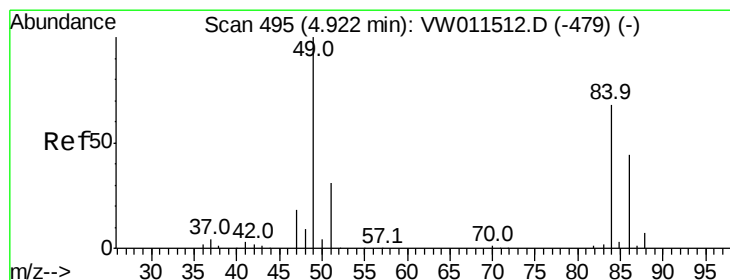
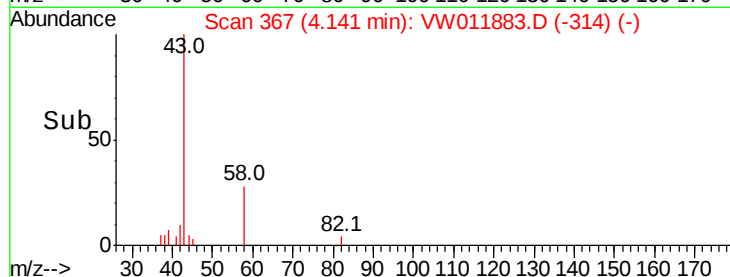
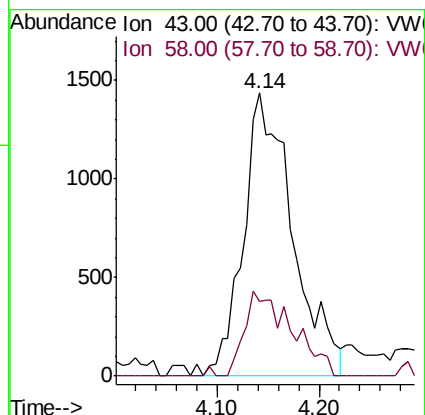
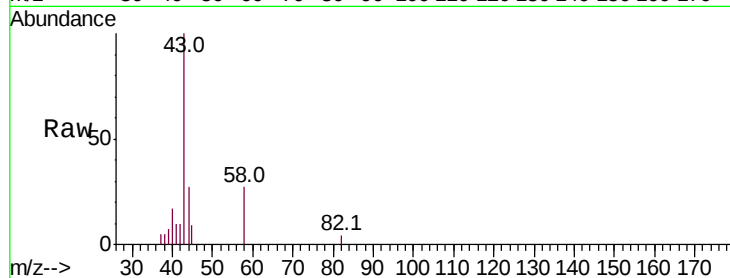
ClientSampleId :

Tot Ion: 43 Resp: 4841

Ion Ratio Lower Upper

43 100

58 26.5 22.3 33.5



#20

Methylene Chloride

Concen: 6.119 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Tgt Ion: 84 Resp: 16765

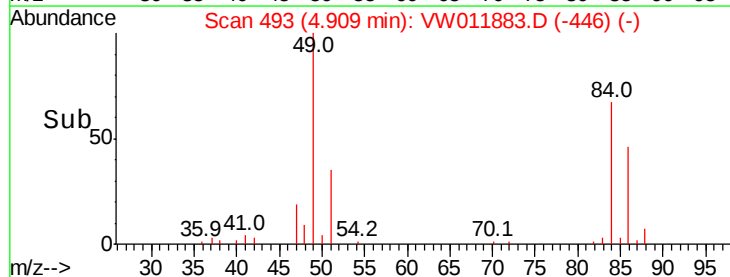
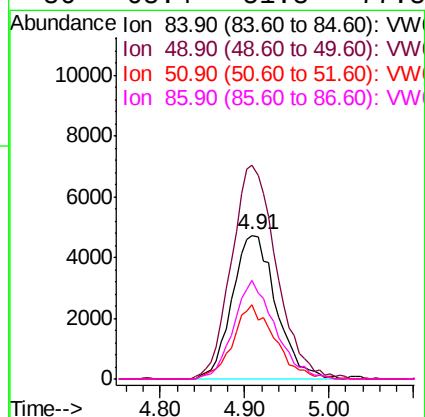
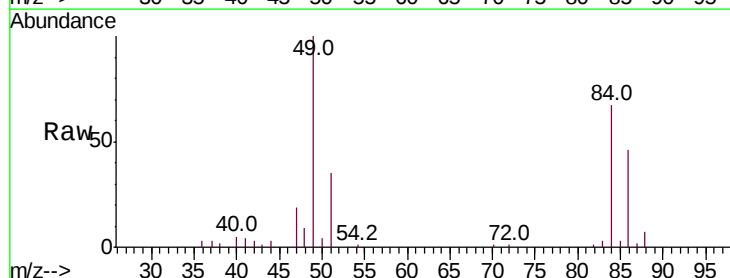
Ion Ratio Lower Upper

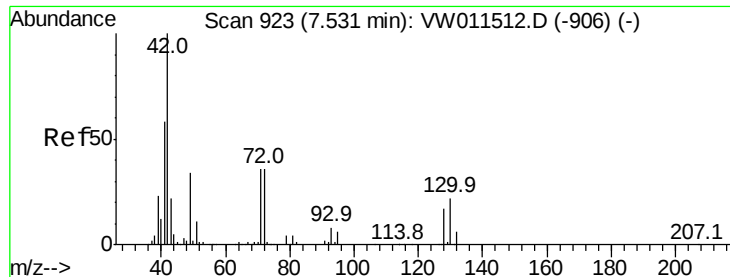
84 100

49 148.8 117.8 176.6

51 51.5 37.0 55.4

86 68.4 51.8 77.8

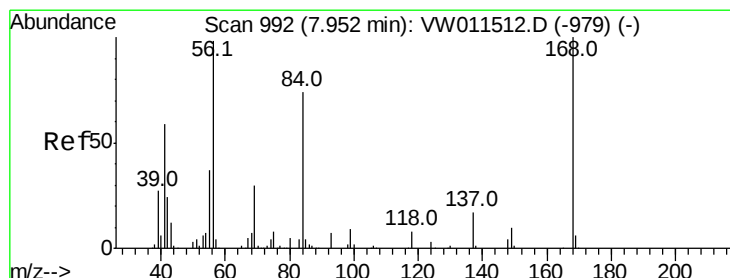
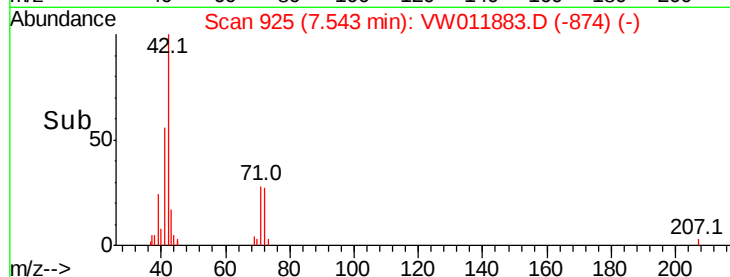
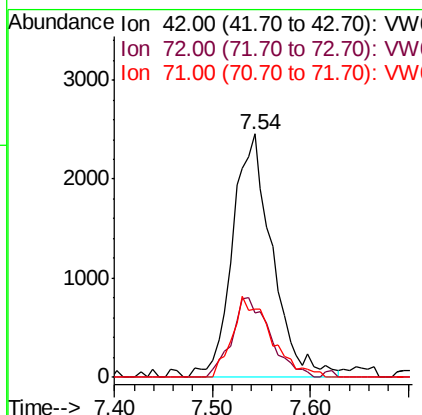
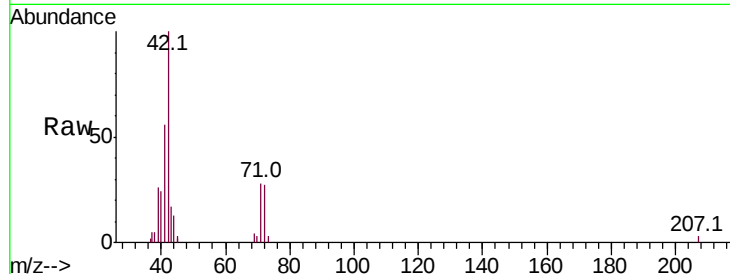




#29
Tetrahydrofuran
Concen: 11.683 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW011883.D
Acq: 13 Aug 2019 06:20

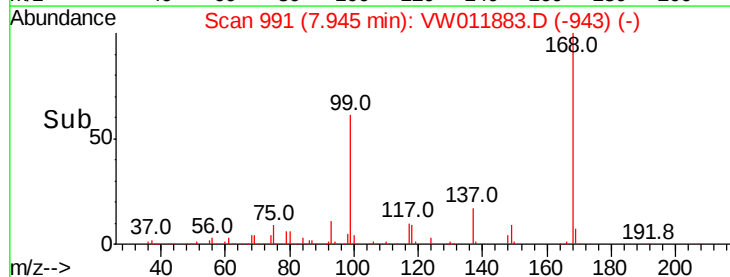
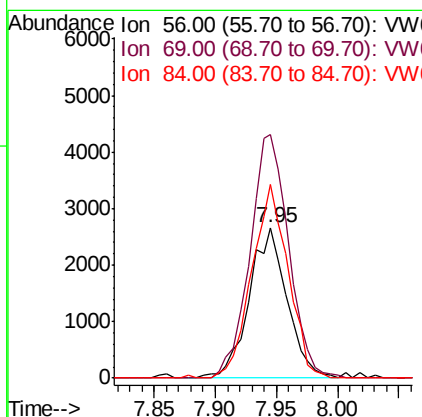
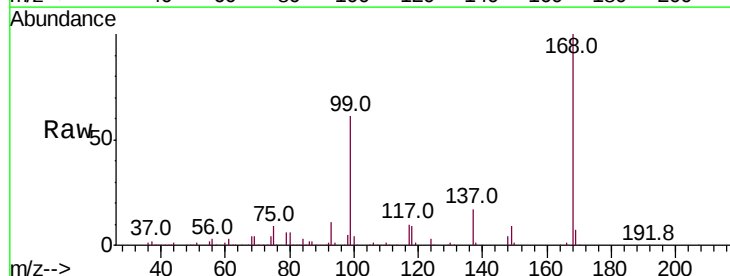
Instrument :
MSVOA_W
ClientSampleId :

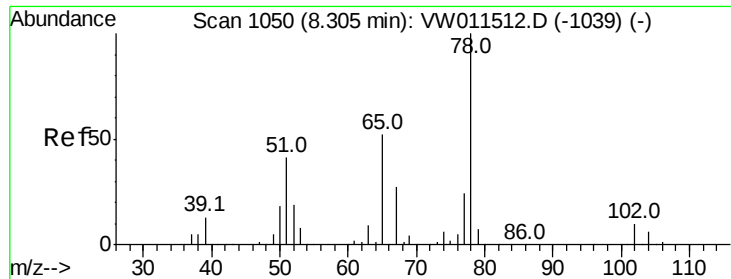
Tot Ion: 42 Resp: 6942
Ion Ratio Lower Upper
42 100
72 31.5 27.1 40.7
71 32.3 26.2 39.4



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011883.D
Acq: 13 Aug 2019 06:20

Tgt Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 162.1 24.3 36.5#
84 129.2 60.4 90.6#

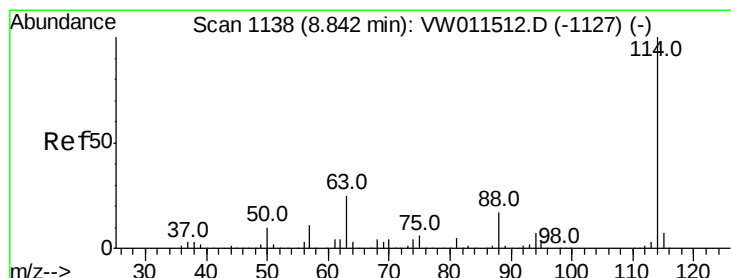
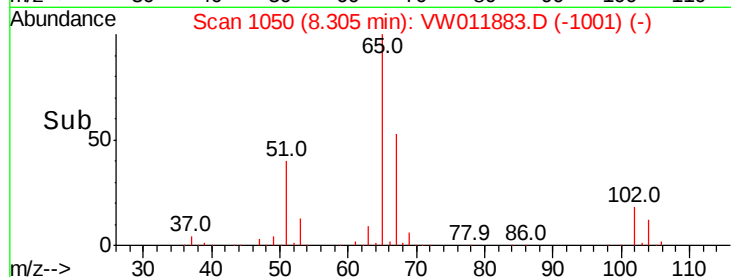
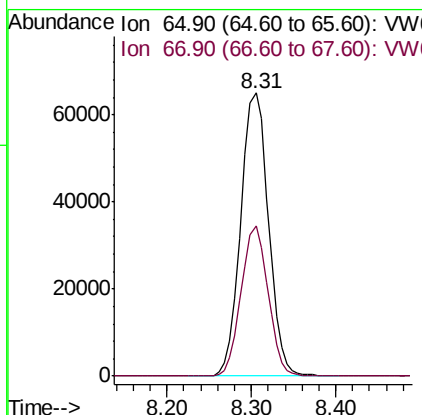
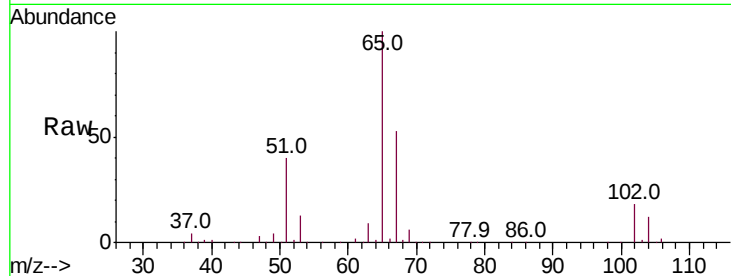




#33
 1,2-Dichloroethane-d4
 Concen: 57.650 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011883.D
 Acq: 13 Aug 2019 06:20

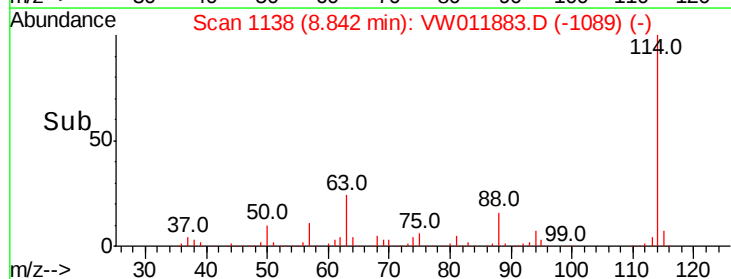
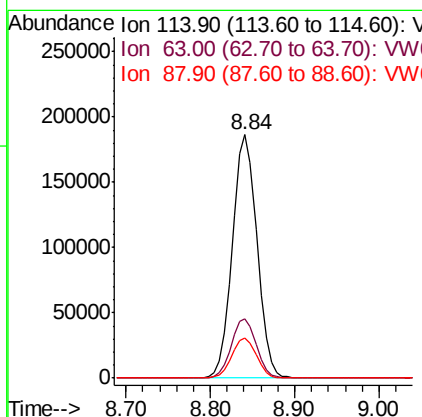
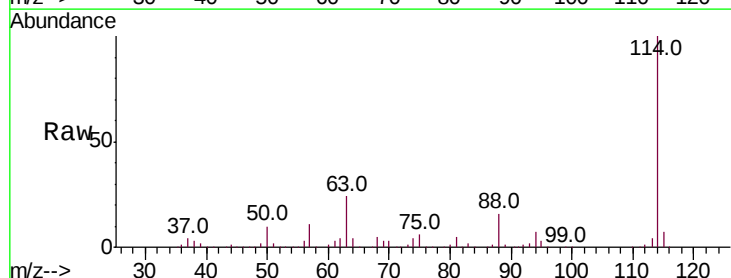
Instrument :
 MSVOA_W
 ClientSampleId :

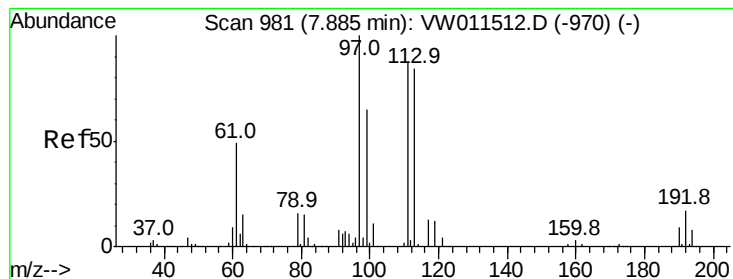
Tot Ion: 65 Resp: 143971
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011883.D
 Acq: 13 Aug 2019 06:20

Tgt Ion: 114 Resp: 366782
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.363 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :

MSVOA_W

ClientSampleId :

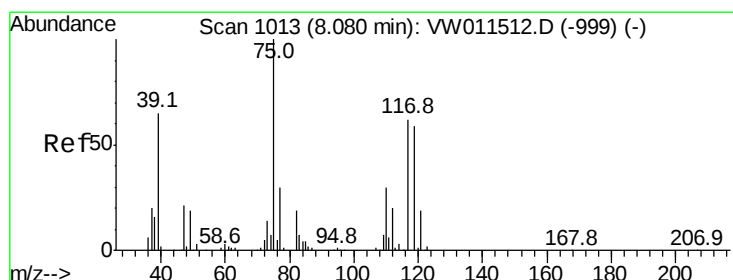
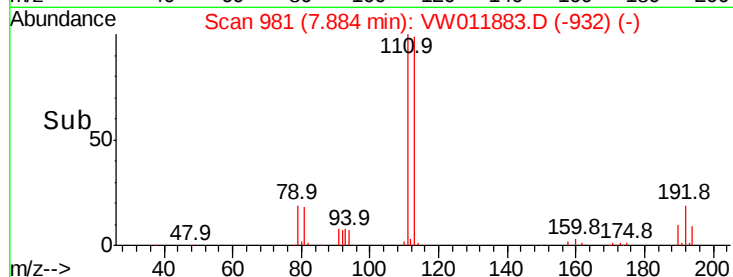
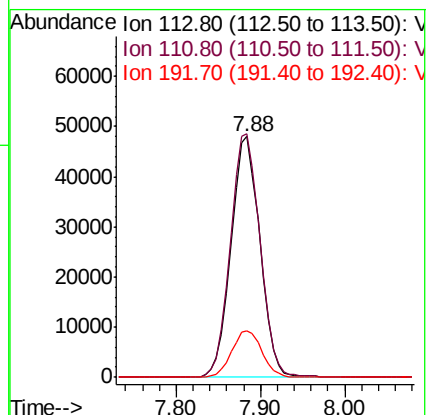
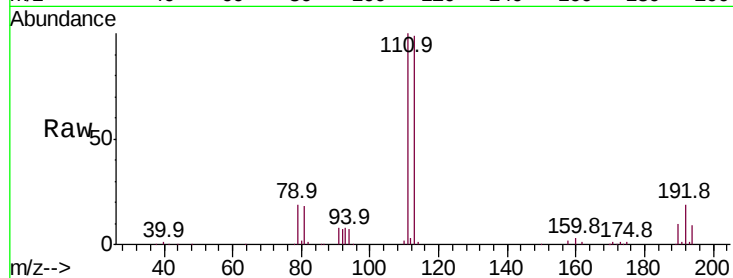
Tot Ion:113 Resp: 111863

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

192 20.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.043 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

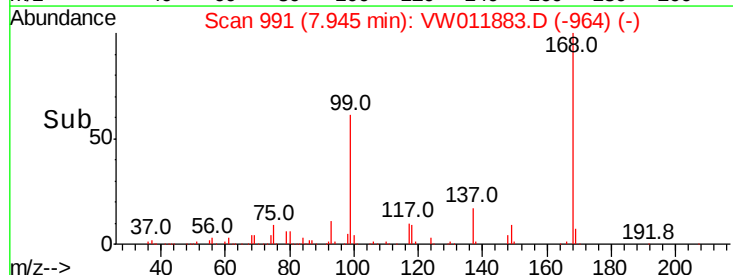
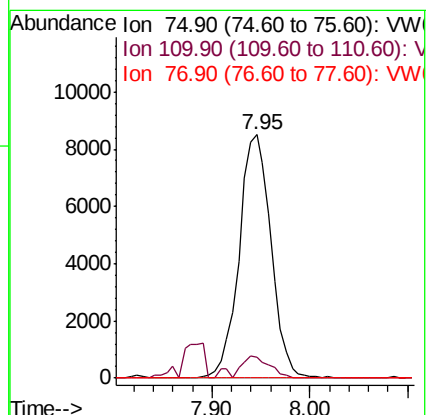
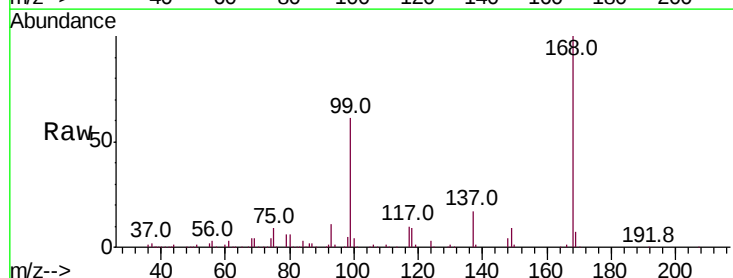
Tgt Ion: 75 Resp: 19232

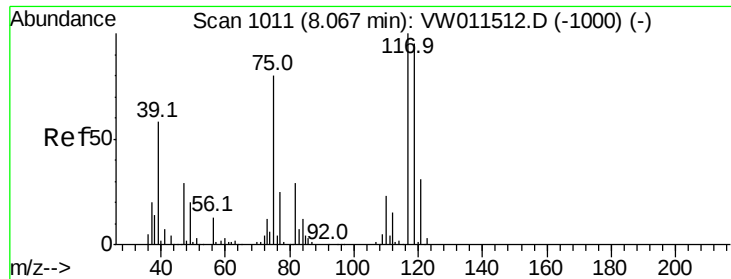
Ion Ratio Lower Upper

75 100

110 7.8 15.6 46.8#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.862 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :
MSVOA_W
ClientSampleId :

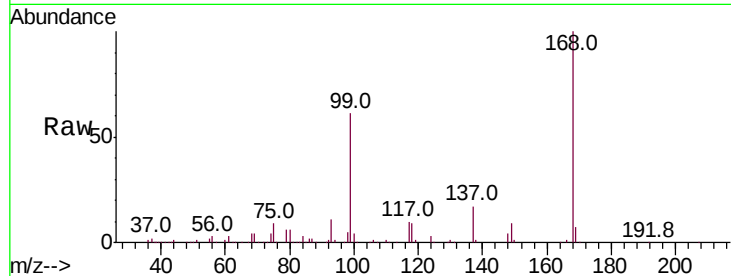
Tot Ion:117 Resp: 22404

Ion Ratio Lower Upper

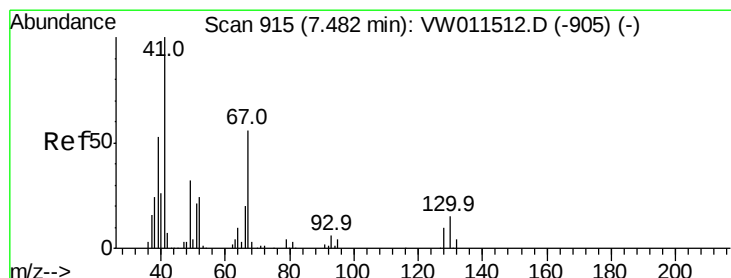
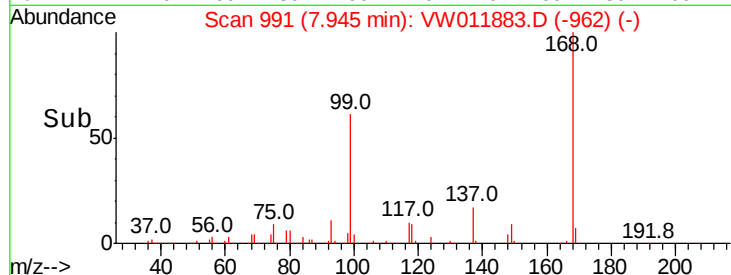
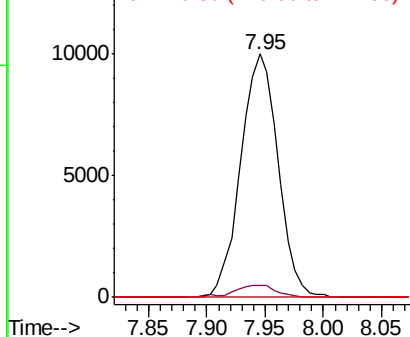
117 100

119 5.1 75.8 113.6#

121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 3.230 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Tgt Ion: 41 Resp: 4236

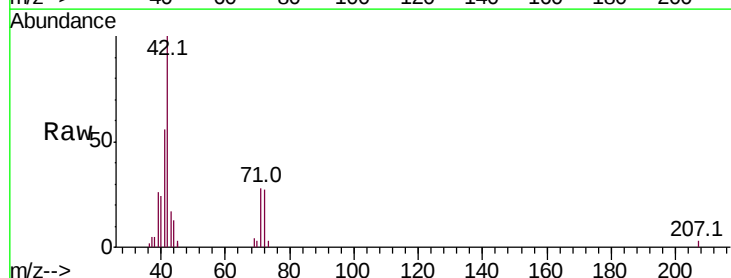
Ion Ratio Lower Upper

41 100

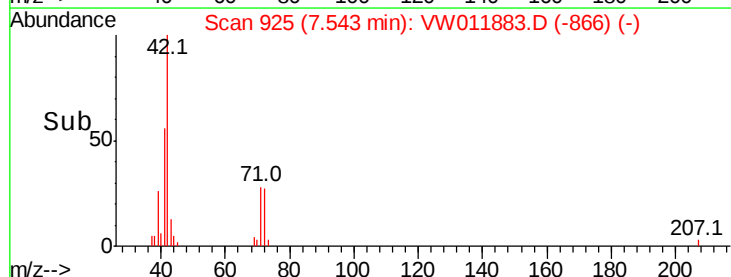
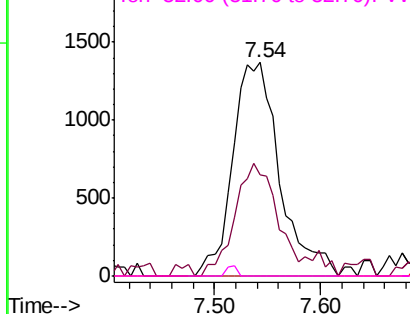
39 49.1 43.0 64.4

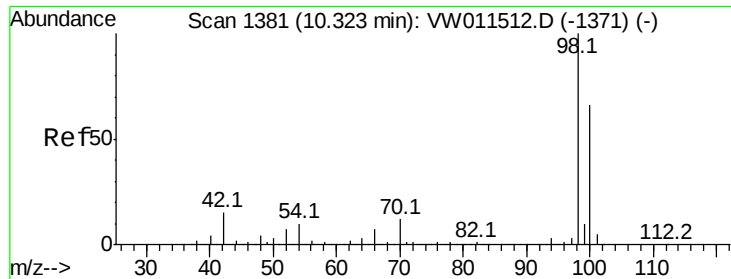
67 0.0 47.5 71.3#

52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 53.208 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :

MSVOA_W

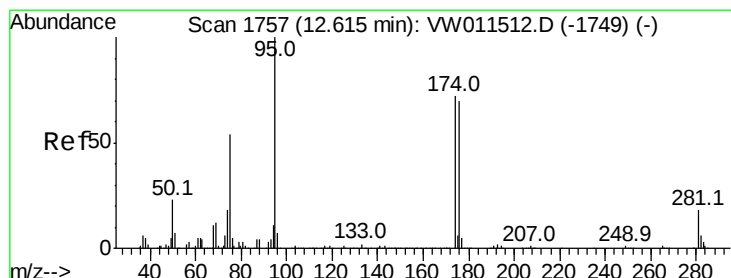
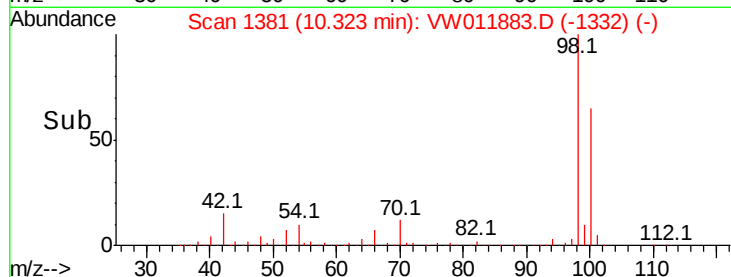
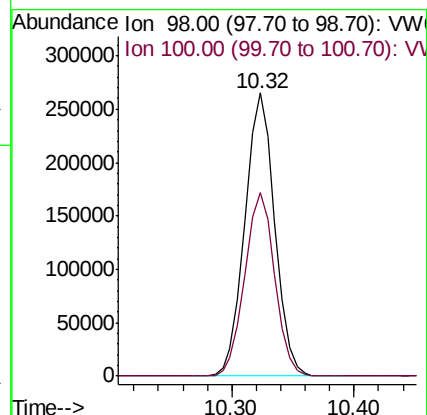
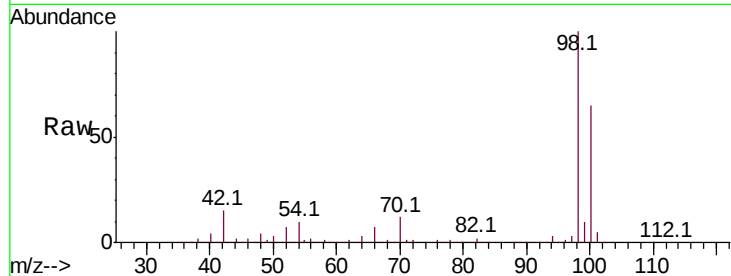
ClientSampleId :

Tot Ion: 98 Resp: 448271

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 47.187 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

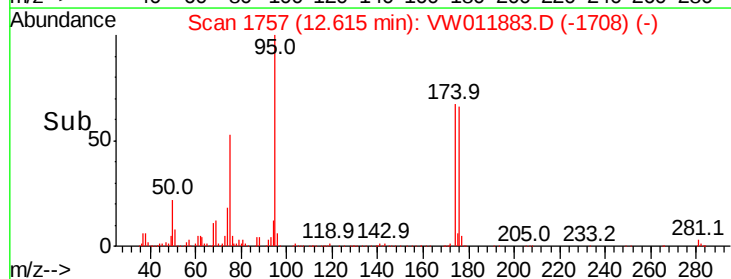
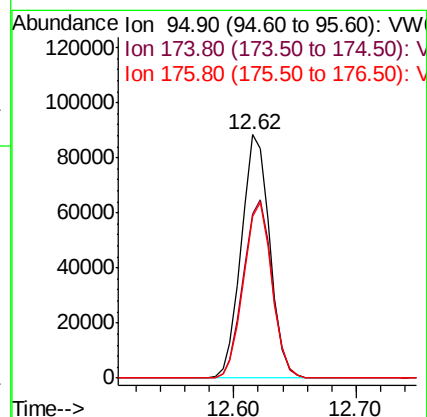
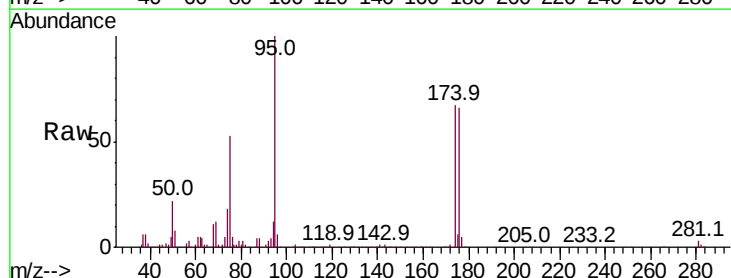
Tgt Ion: 95 Resp: 141733

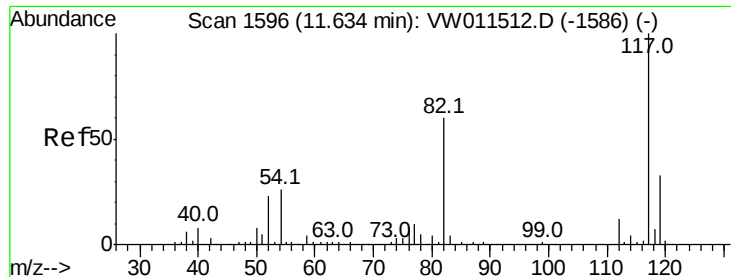
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.2

176 72.0 0.0 144.4

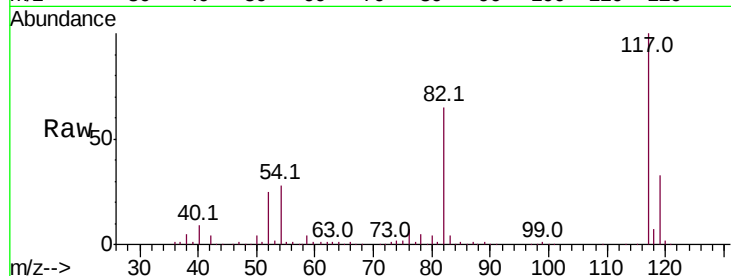




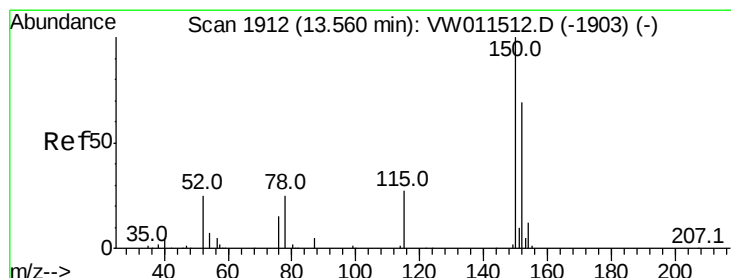
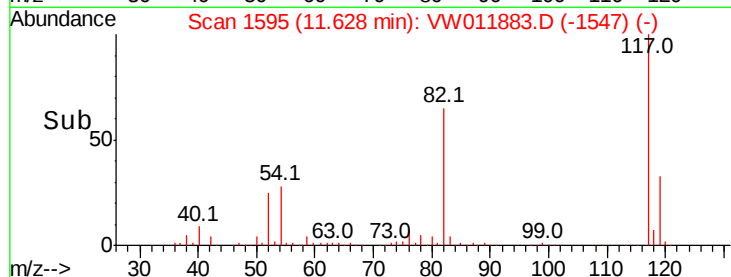
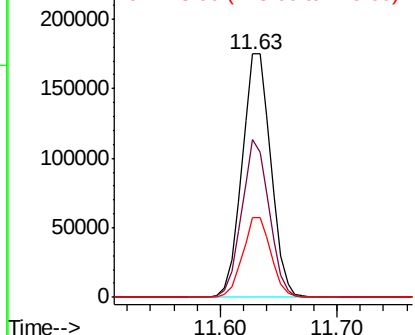
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011883.D
Acq: 13 Aug 2019 06:20

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 303044
Ion Ratio Lower Upper
117 100
82 64.7 47.9 71.9
119 32.9 26.2 39.2

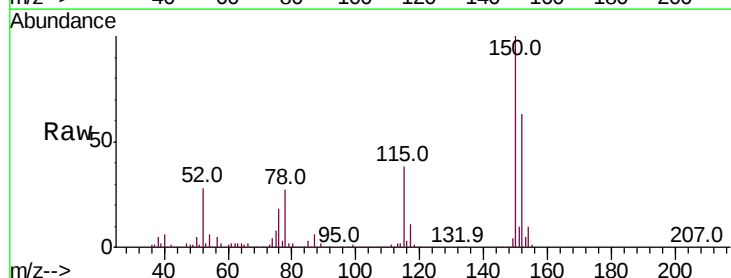


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

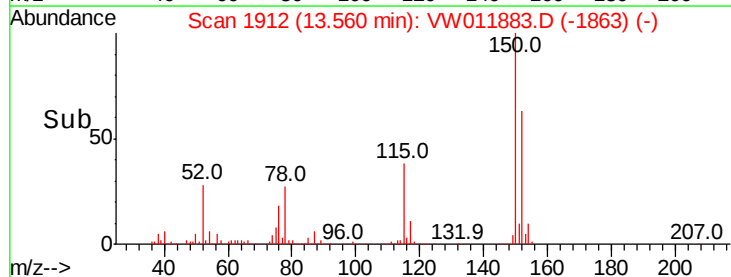
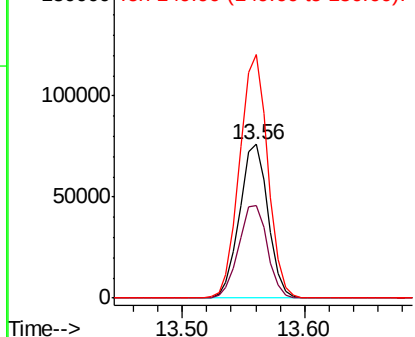


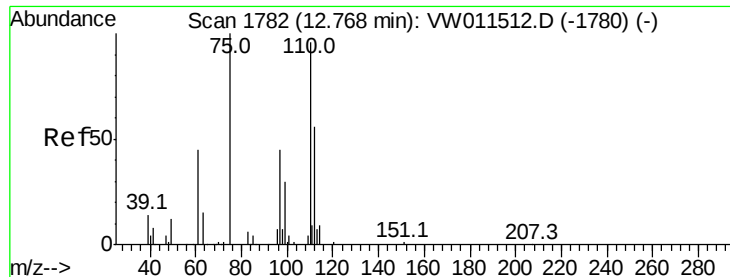
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011883.D
Acq: 13 Aug 2019 06:20

Tgt Ion:152 Resp: 122789
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 156.5 0.0 352.6



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: 59.662 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

Instrument :

MSVOA_W

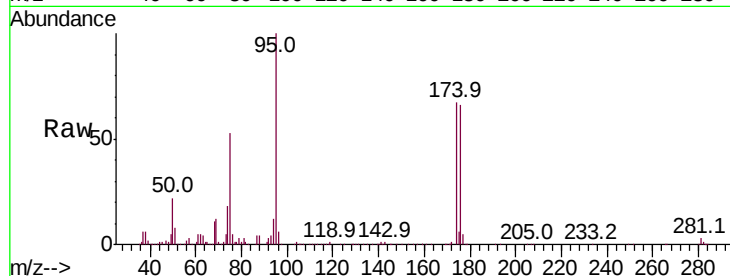
ClientSampled :

Tot Ion: 75 Resp: 77516

Ion Ratio Lower Upper

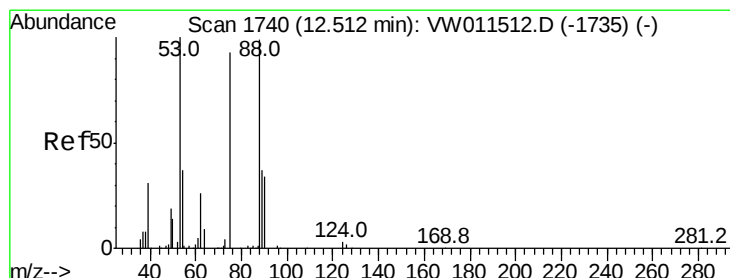
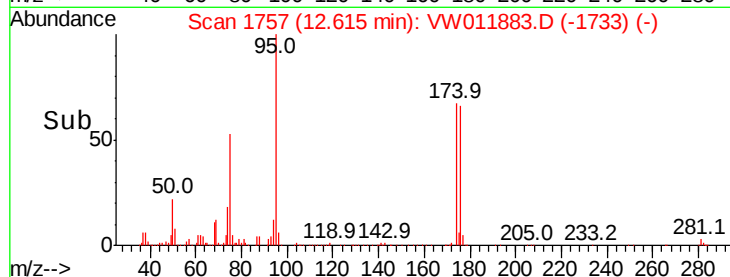
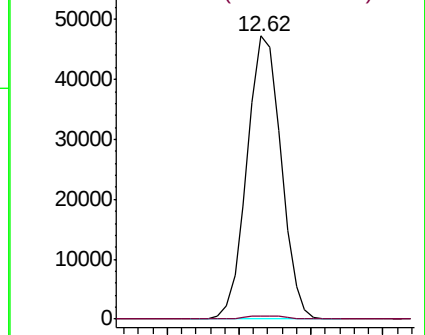
75 100

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: 137.501 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011883.D

Acq: 13 Aug 2019 06:20

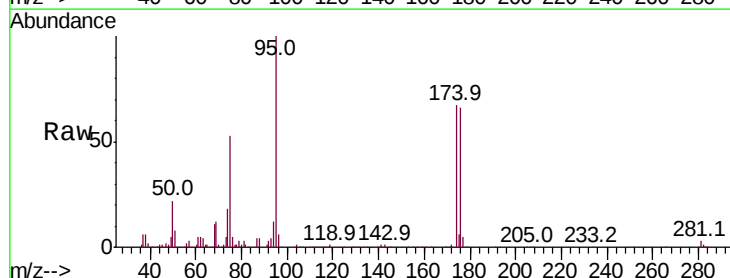
Tgt Ion: 75 Resp: 77516

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

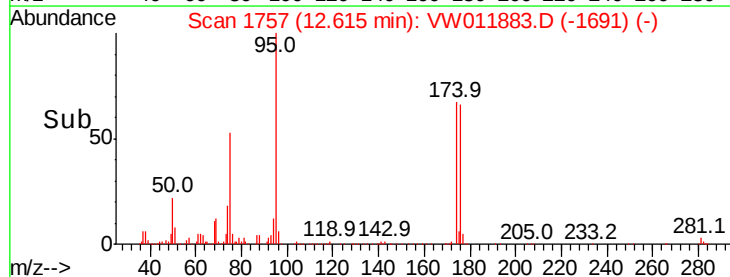
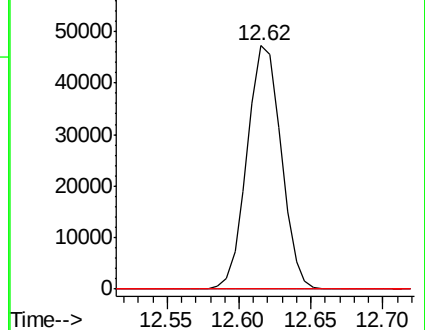
89 0.1 35.3 52.9#

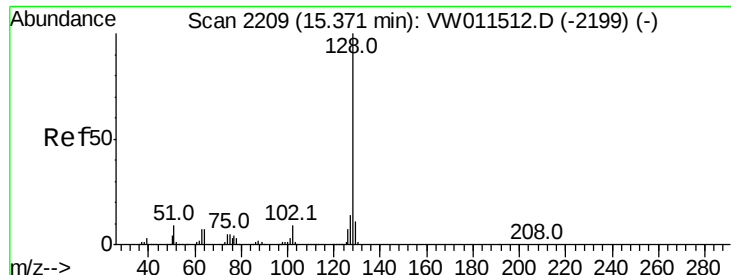


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 2.082 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011883.D
Acq: 13 Aug 2019 06:20

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	23.2	10.6	16.0
129	0.0	8.6	13.0

