

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013186.D
 Acq On : 20 Sep 2019 17:07
 Operator : SY/VA
 Sample : K4669-04
 Misc : 4.48G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 17:29:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	314489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135804	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	141462	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	136058	51.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.46%	
50) Toluene-d8	10.32	98	536900	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	150780	40.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.20%	

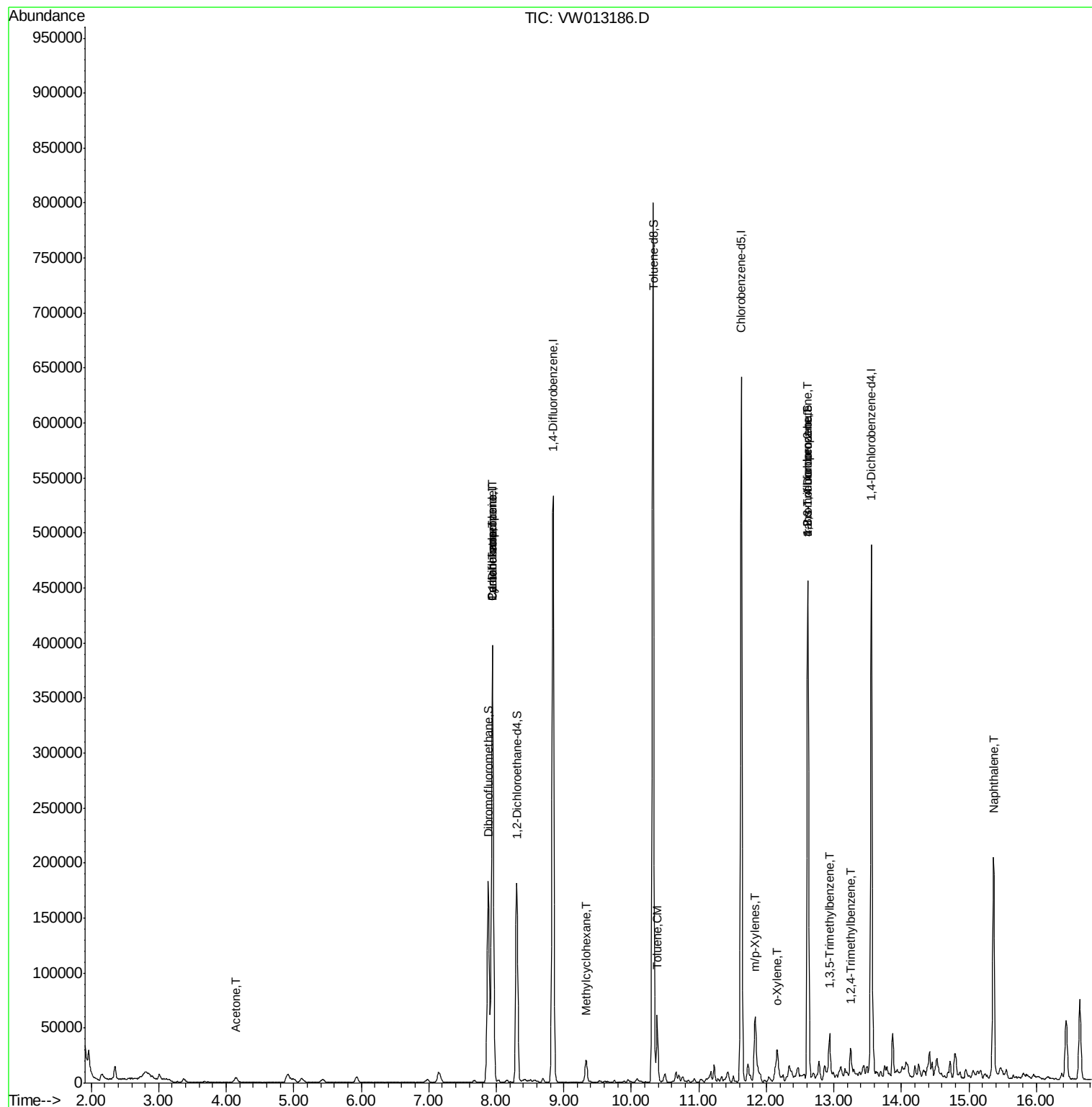
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	282	Below Cal	#	73
16) Acetone	4.14	43	9780	16.897	ug/l #	84
20) Methylene Chloride	4.92	84	5624	Below Cal		84
26) 2,2-Dichloropropane	7.16	77	405	Below Cal	#	52
31) Cyclohexane	7.95	56	8457	1.520	ug/l #	13
36) 1,1-Dichloropropene	7.94	75	21422	4.625	ug/l #	49
38) Carbon Tetrachloride	7.95	117	28023	6.749	ug/l #	18
39) Methylcyclohexane	9.33	83	8649	1.453	ug/l	96
52) Toluene	10.39	92	26811	3.238	ug/l	96
68) m/p-Xylenes	11.83	106	16488	3.064	ug/l	100
69) o-Xylene	12.16	106	6932	1.386	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	72842	60.736	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	10608	1.258	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	72842	136.286	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	15200	1.811	ug/l	97
95) Naphthalene	15.36	128	177016	38.159	ug/l	100

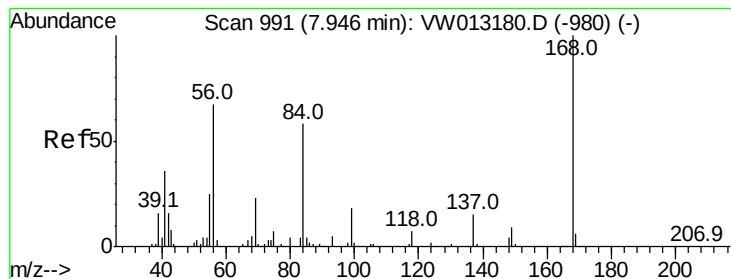
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013186.D
Acq On : 20 Sep 2019 17:07
Operator : SY/VA
Sample : K4669-04
Misc : 4.48G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 20 17:29:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :

MSVOA_W

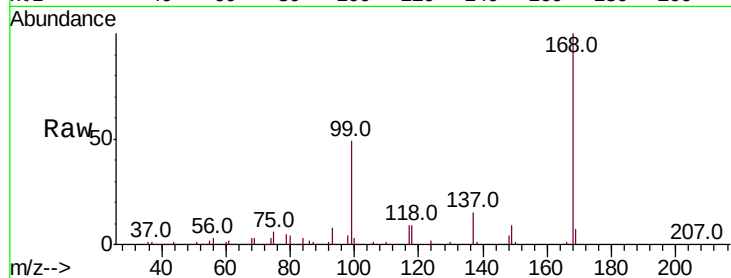
ClientSampleId :

Tot Ion:168 Resp: 314489

Ion Ratio Lower Upper

168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

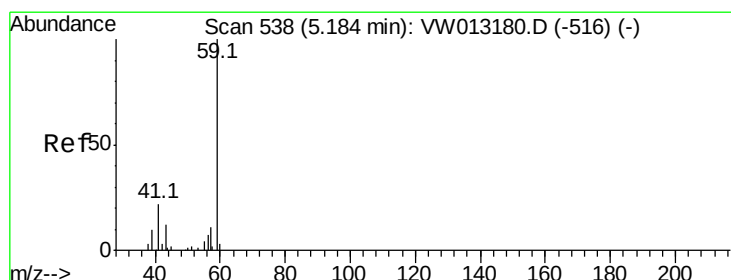
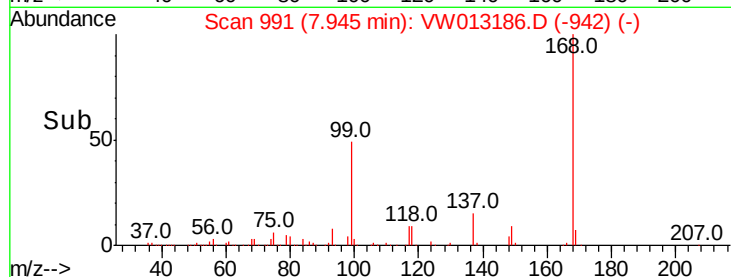
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.01 min

Lab File: VW013186.D

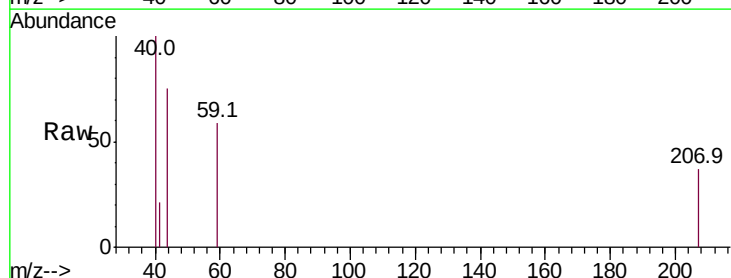
Acq: 20 Sep 2019 17:07

Tgt Ion: 59 Resp: 282

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

150

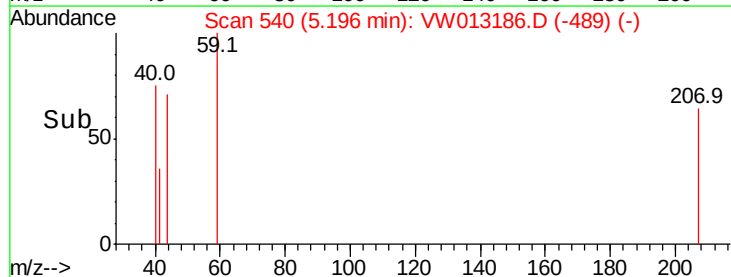
100

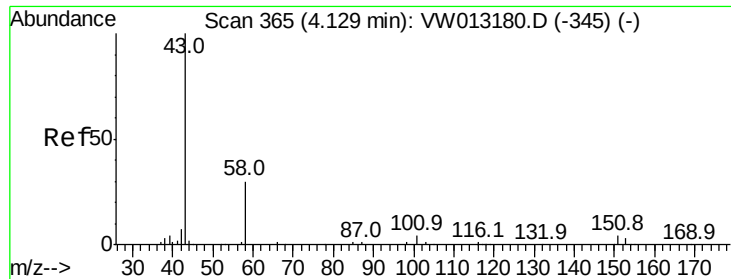
50

0

5.18 5.19 5.20 5.21

Time-->





#16

Acetone

Concen: 16.897 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :

MSVOA_W

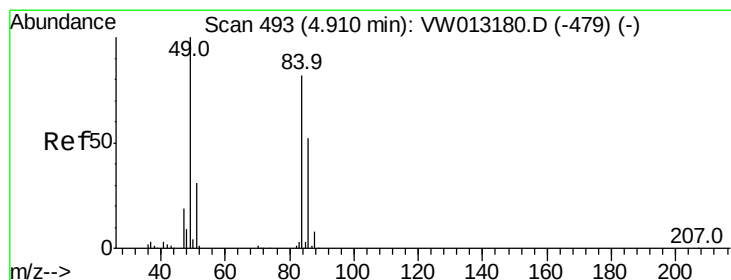
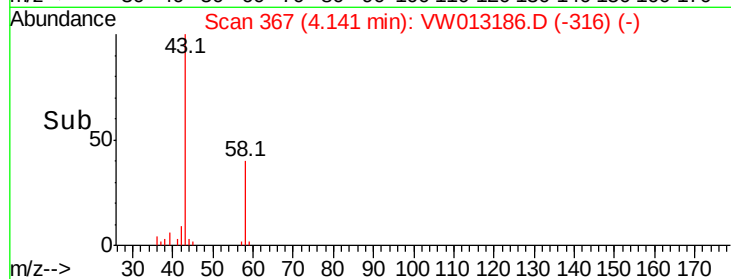
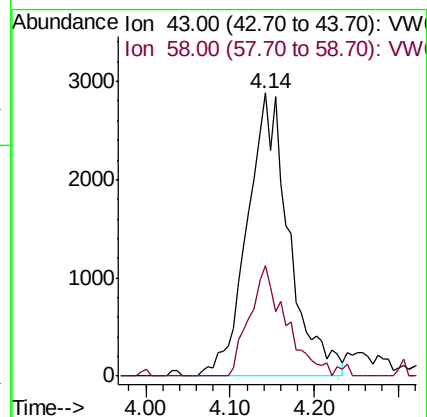
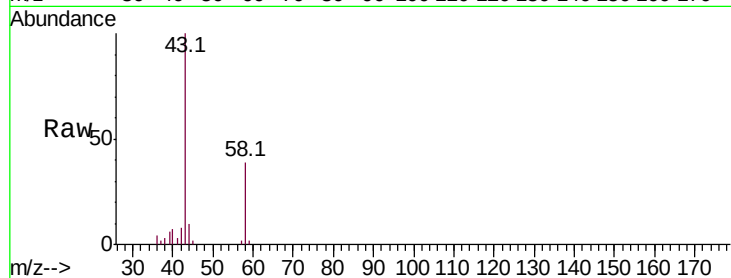
ClientSampleId :

Tot Ion: 43 Resp: 9780

Ion Ratio Lower Upper

43 100

58 39.0 24.1 36.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Tgt Ion: 84 Resp: 5624

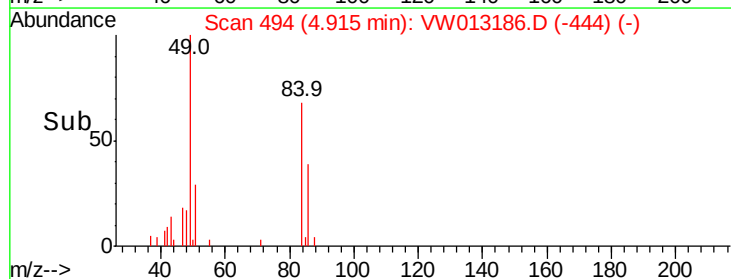
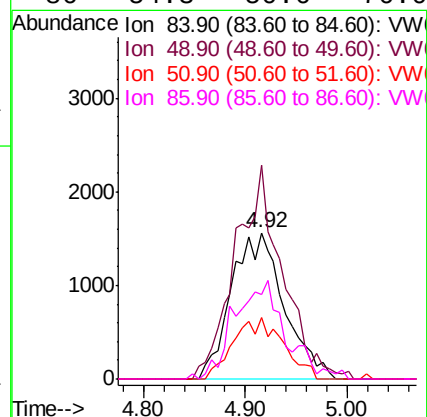
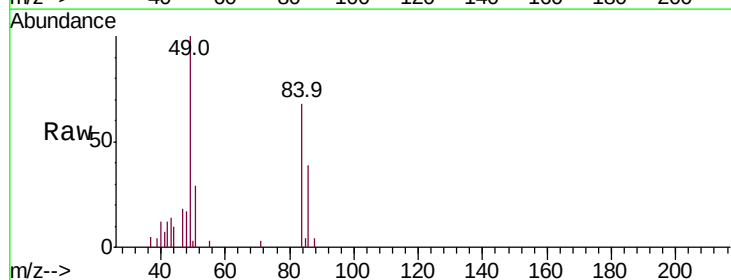
Ion Ratio Lower Upper

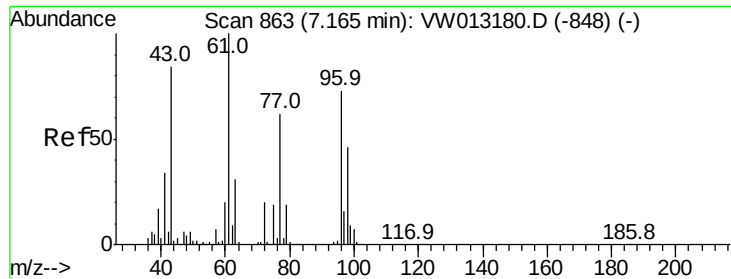
84 100

49 146.0 97.6 146.4

51 41.7 30.2 45.2

86 54.3 50.6 76.0

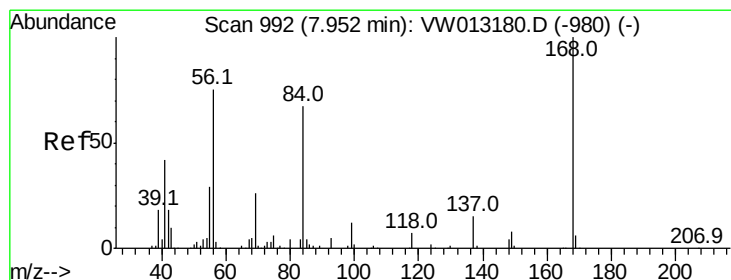
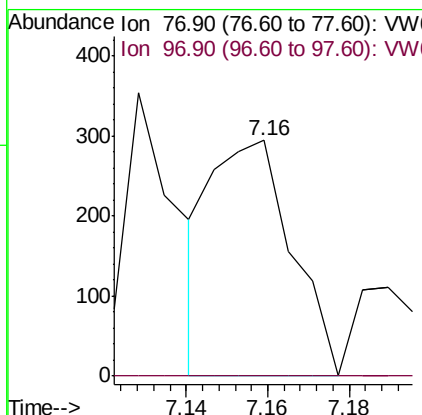
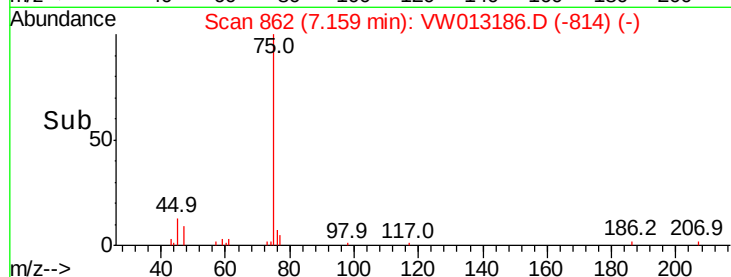
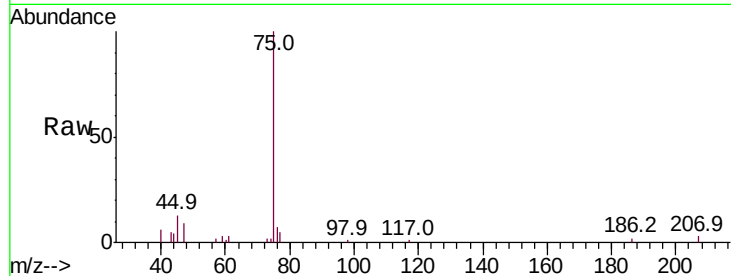




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

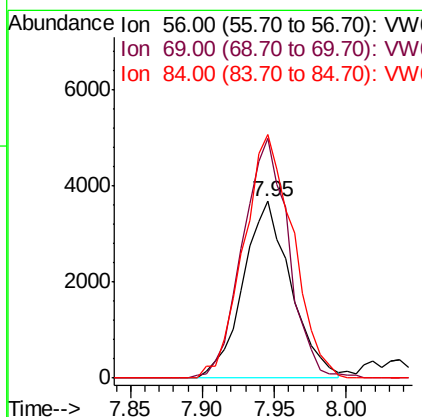
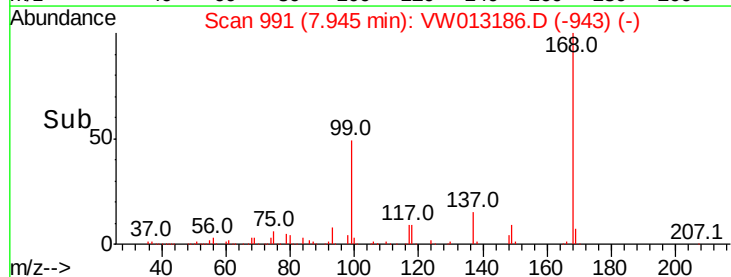
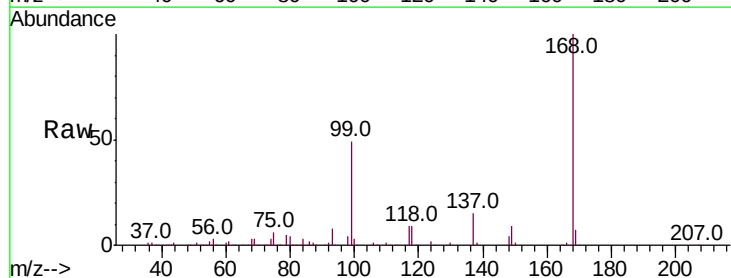
Instrument :
MSVOA_W
ClientSampleId :

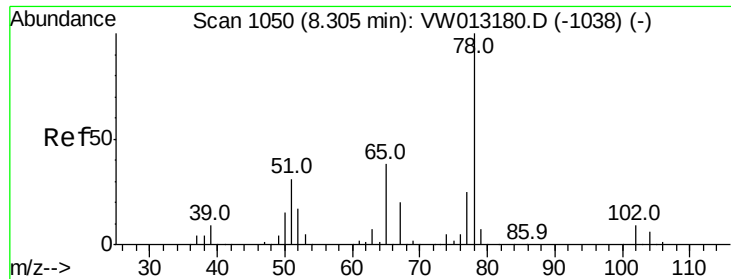
Tot Ion: 77 Resp: 405
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#31
Cyclohexane
Concen: 1.520 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

Tgt Ion: 56 Resp: 8457
Ion Ratio Lower Upper
56 100
69 135.7 27.2 40.8#
84 137.9 70.8 106.2#

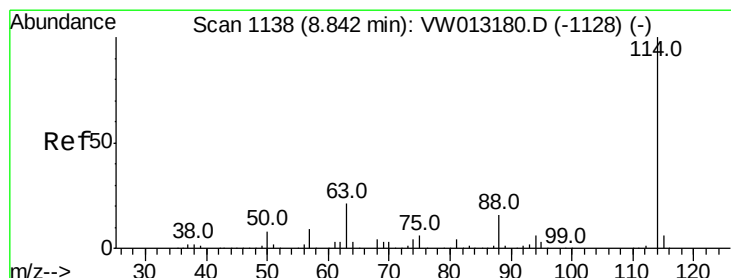
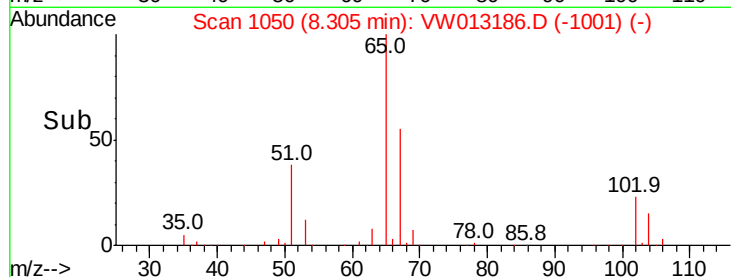
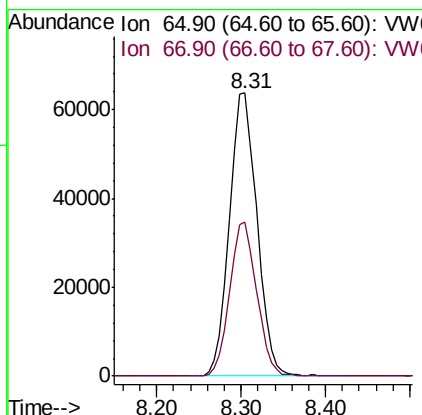
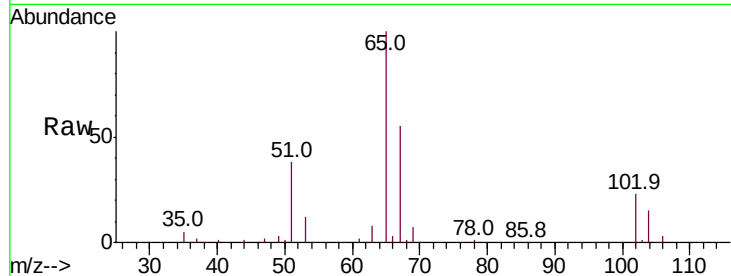




#33
 1,2-Dichloroethane-d4
 Concen: 55.115 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013186.D
 Acq: 20 Sep 2019 17:07

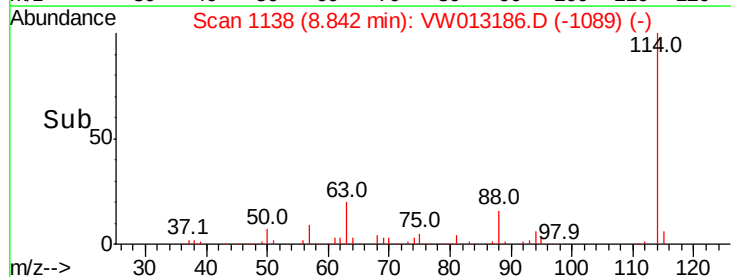
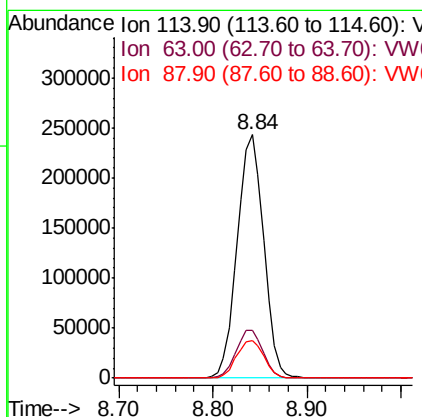
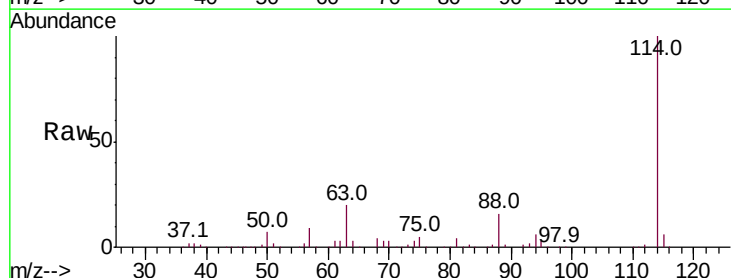
Instrument :
 MSVOA_W
 ClientSampleId :

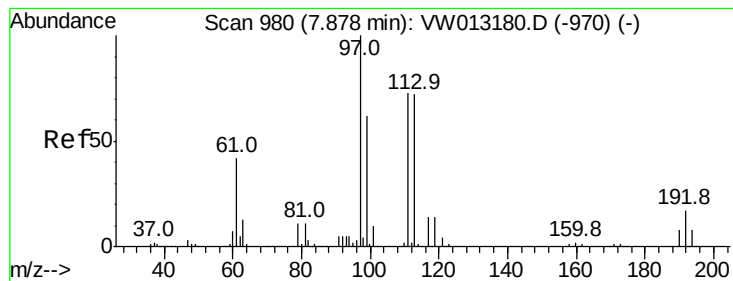
Tot Ion: 65 Resp: 141462
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013186.D
 Acq: 20 Sep 2019 17:07

Tgt Ion: 114 Resp: 478196
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.731 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :

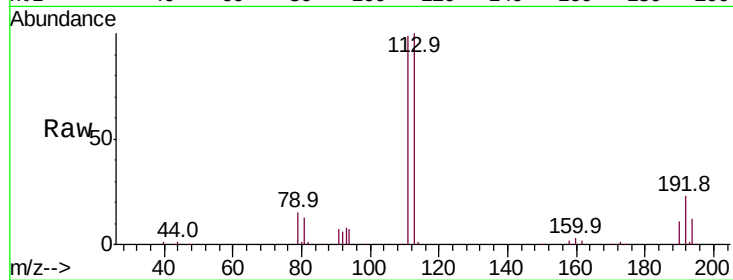
Tot Ion:113 Resp: 136058

Ion Ratio Lower Upper

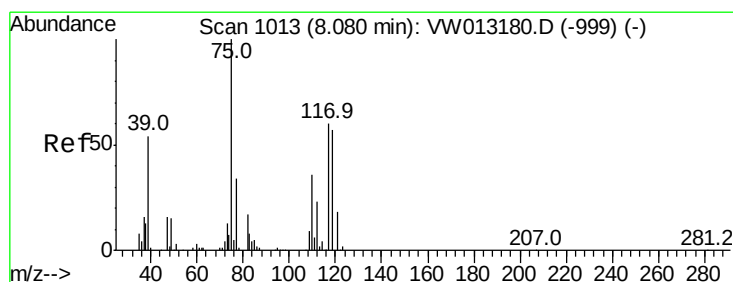
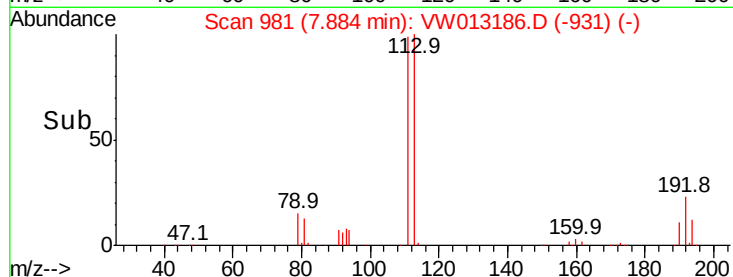
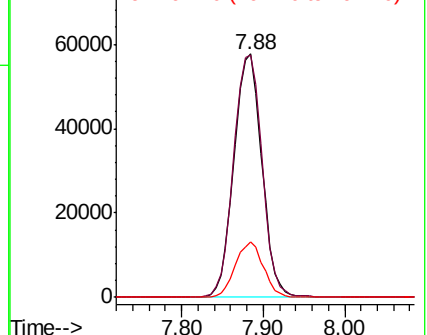
113 100

111 101.7 81.9 122.9

192 22.7 19.1 28.7



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: 4.625 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

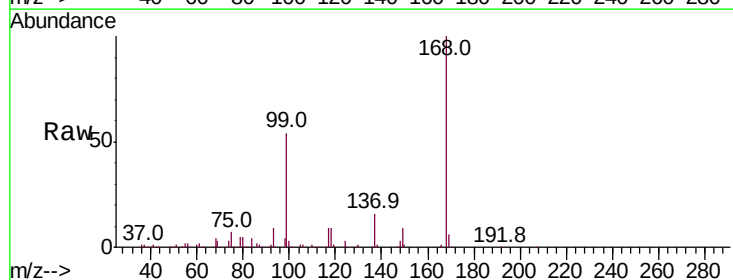
Tgt Ion: 75 Resp: 21422

Ion Ratio Lower Upper

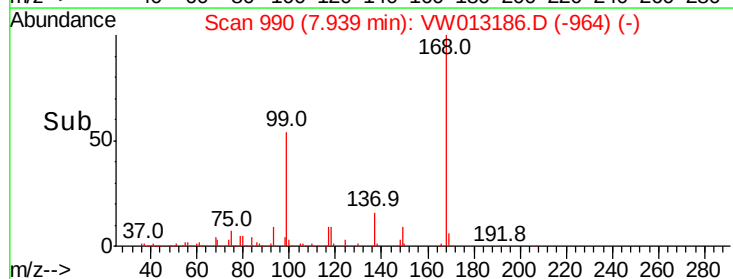
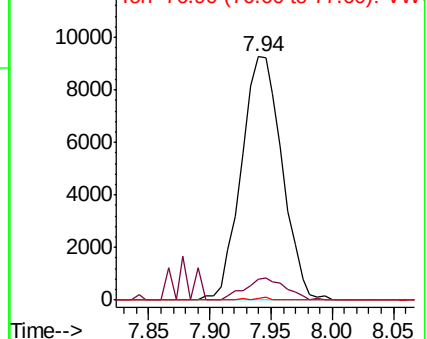
75 100

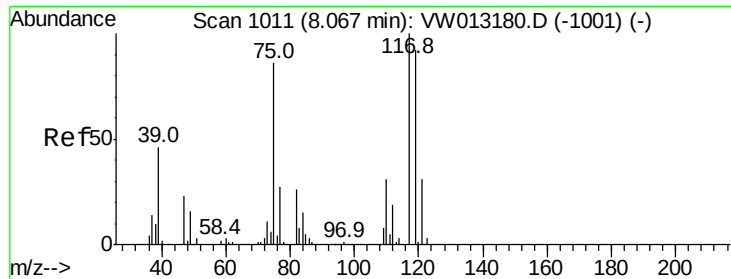
110 9.2 18.1 54.3#

77 0.4 25.8 38.6#



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

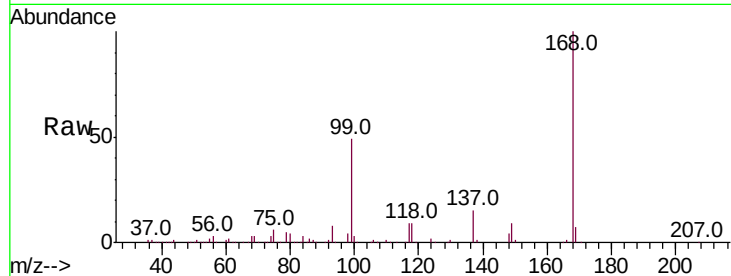




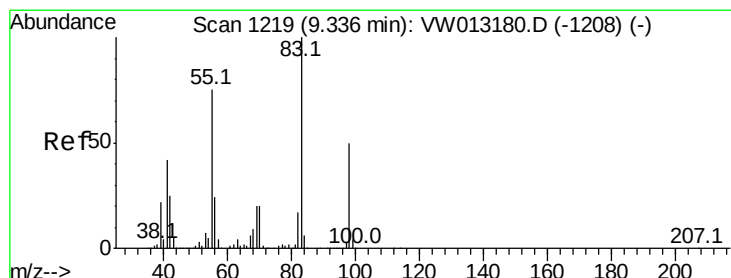
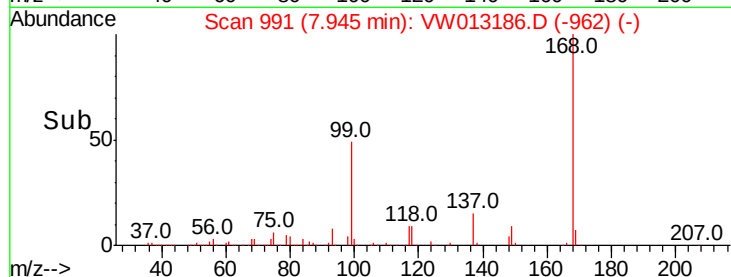
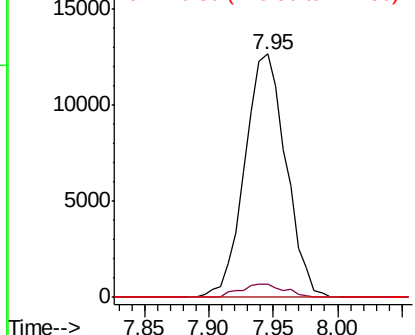
#38
Carbon Tetrachloride
Concen: 6.749 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 28023
Ion Ratio Lower Upper
117 100
119 5.3 73.5 110.3#
121 0.0 25.0 37.6#

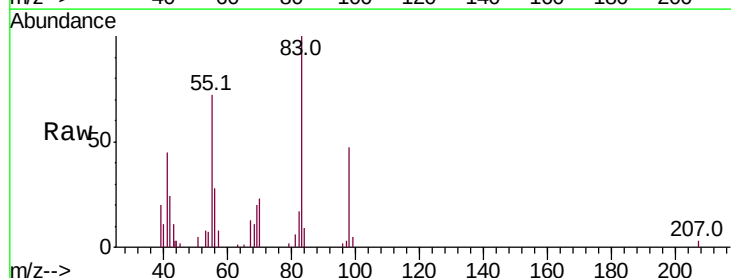


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

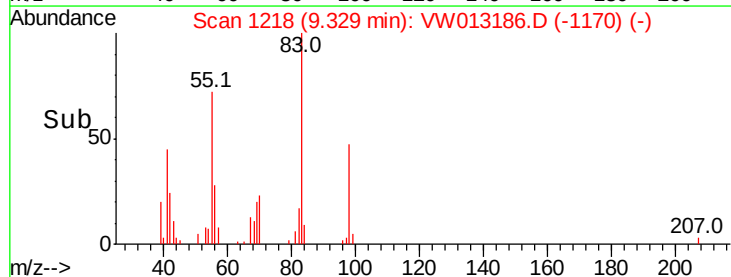
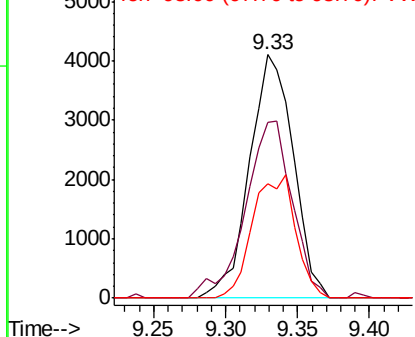


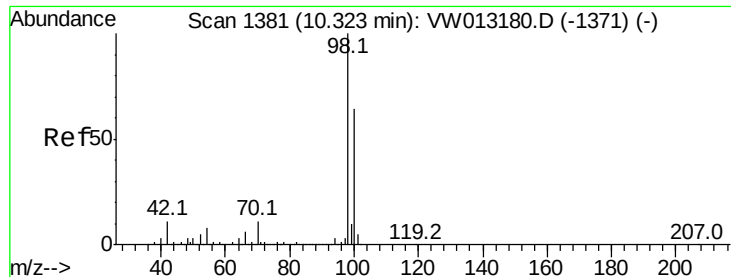
#39
Methylcyclohexane
Concen: 1.453 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

Tgt Ion: 83 Resp: 8649
Ion Ratio Lower Upper
83 100
55 72.1 60.4 90.6
98 47.2 40.0 60.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

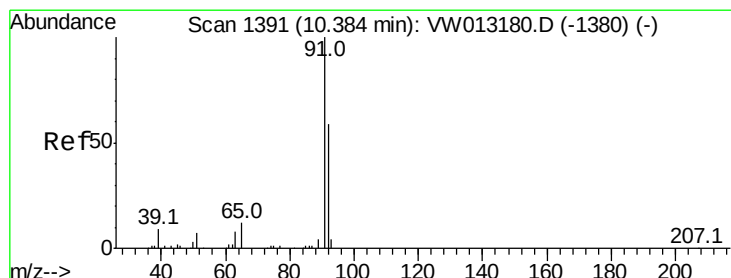
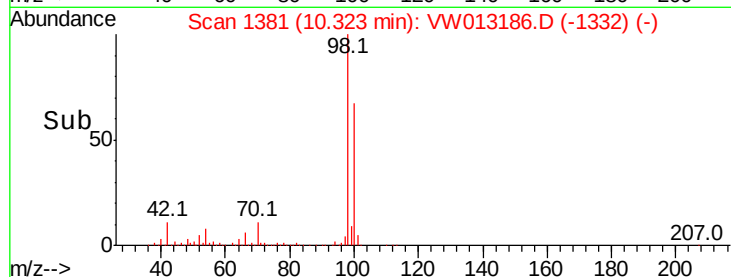
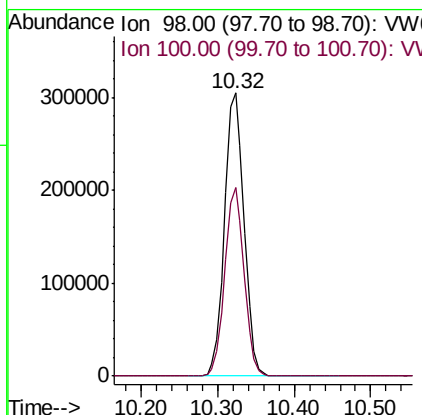
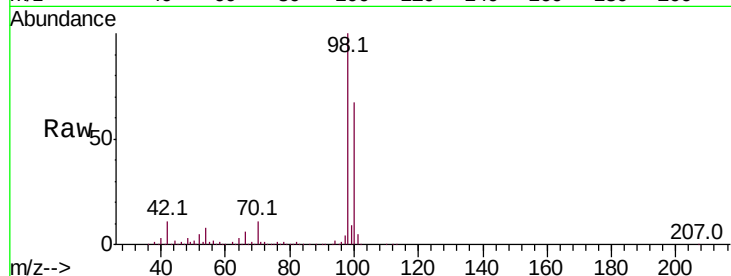




#50
Toluene-d8
Concen: 48.777 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

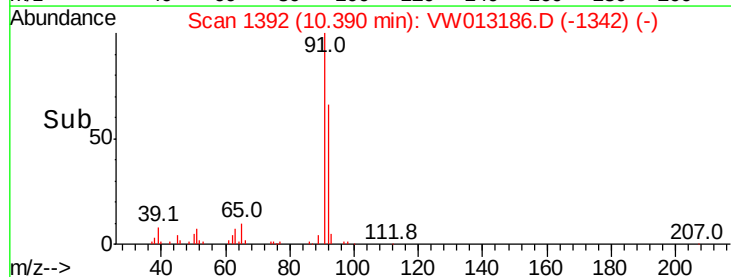
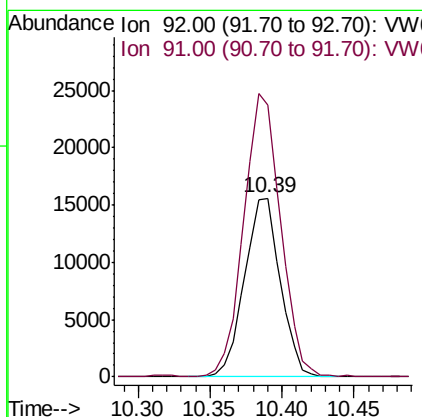
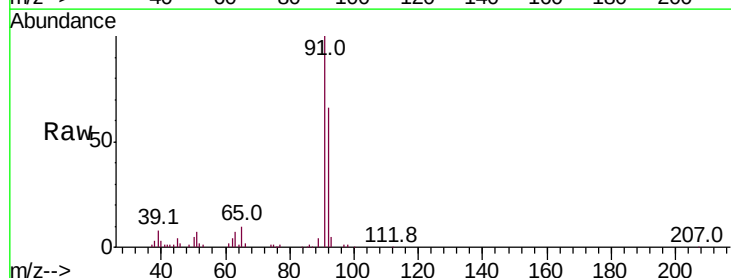
Instrument :
MSVOA_W
ClientSampleId :

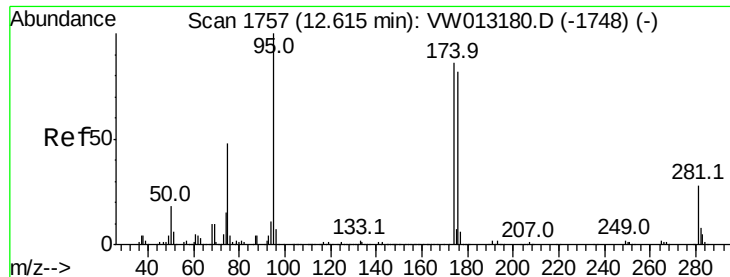
Tot Ion: 98 Resp: 536900
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#52
Toluene
Concen: 3.238 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

Tgt Ion: 92 Resp: 26811
Ion Ratio Lower Upper
92 100
91 163.6 135.7 203.5





#62

4-Bromofluorobenzene

Concen: 40.102 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

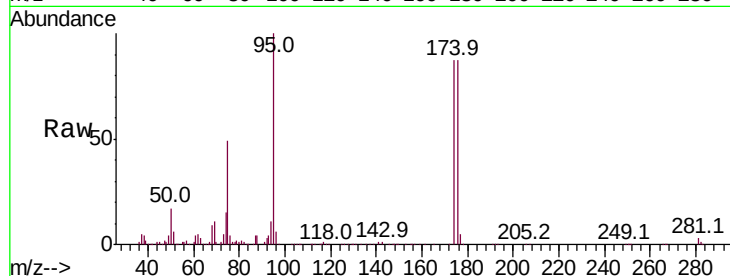
Tot Ion: 95 Resp: 150780

Ion Ratio Lower Upper

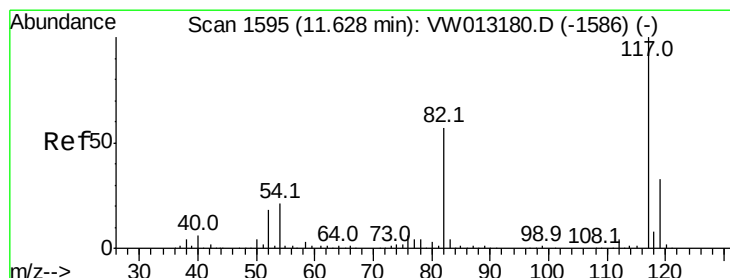
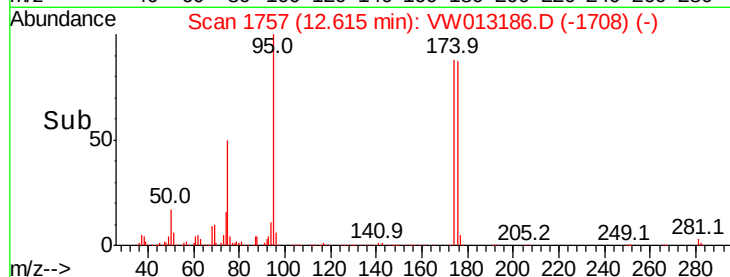
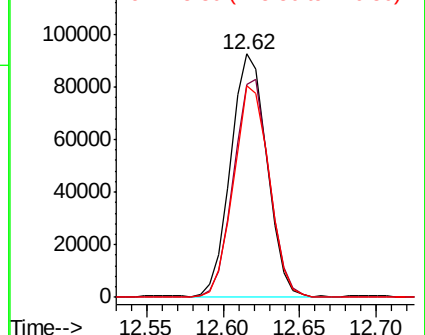
95 100

174 89.2 0.0 178.4

176 86.6 0.0 172.2



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# 1595

Delta R.T. -0.00 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

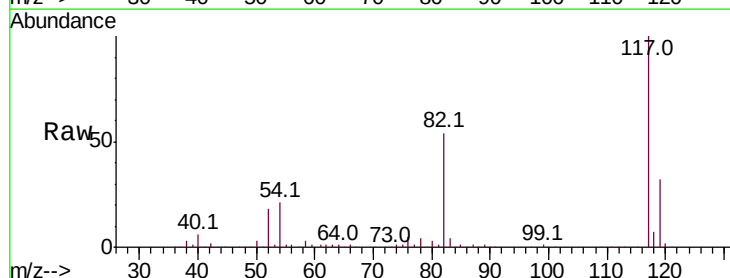
Tgt Ion: 117 Resp: 373227

Ion Ratio Lower Upper

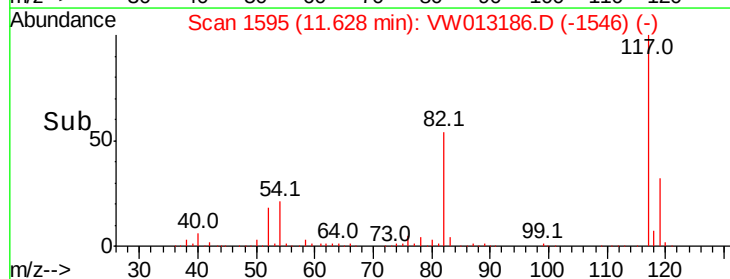
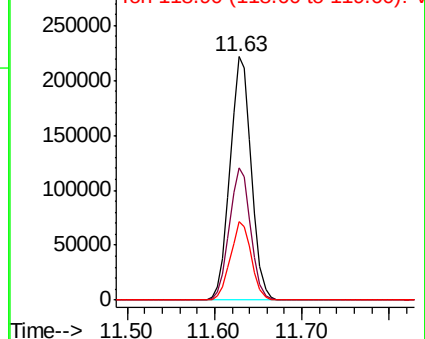
117 100

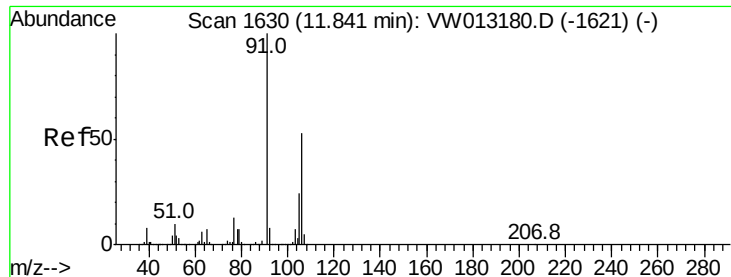
82 54.3 45.9 68.9

119 32.0 26.2 39.2



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

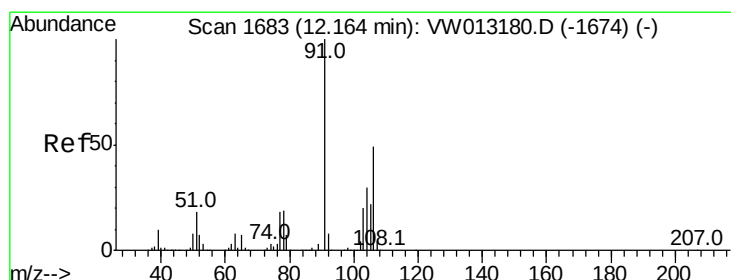
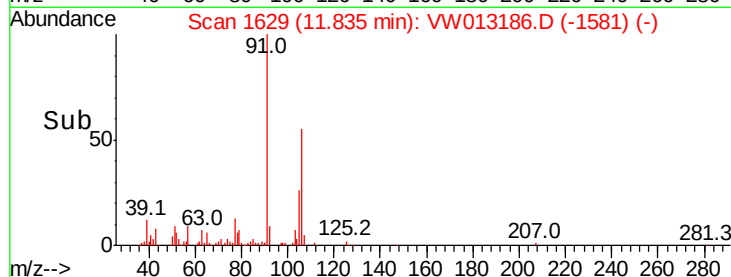
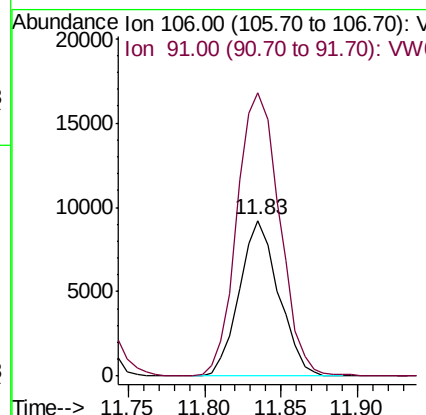
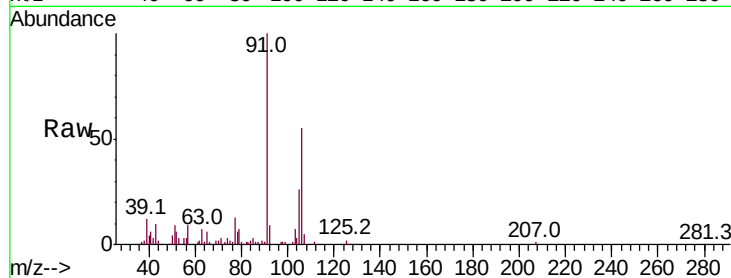




#68
m/p-Xylenes
Concen: 3.064 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

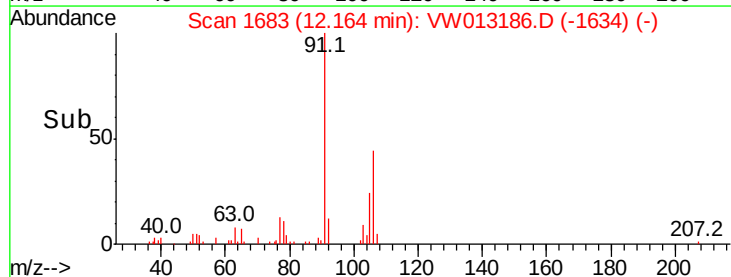
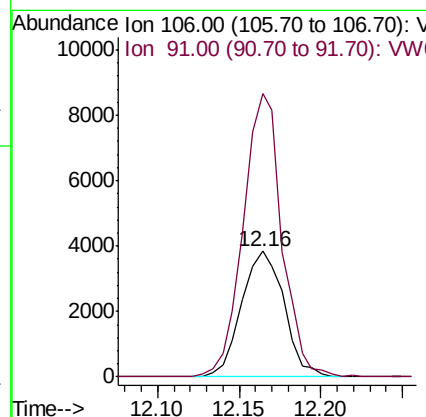
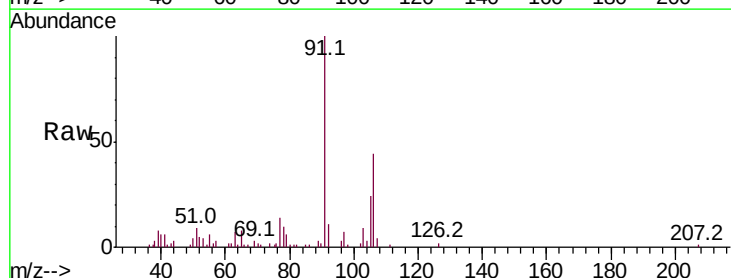
Instrument :
MSVOA_W
ClientSampleId :

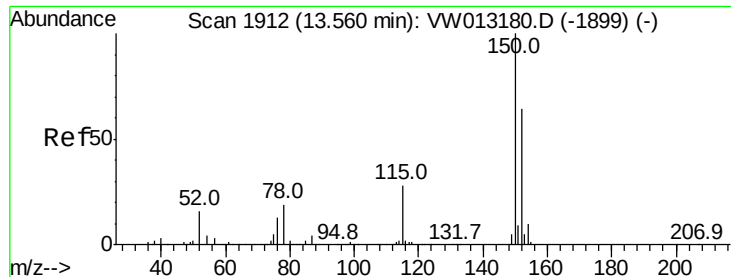
Tot Ion:106 Resp: 16488
Ion Ratio Lower Upper
106 100
91 197.7 157.9 236.9



#69
o-Xylene
Concen: 1.386 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013186.D
Acq: 20 Sep 2019 17:07

Tgt Ion:106 Resp: 6932
Ion Ratio Lower Upper
106 100
91 207.1 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

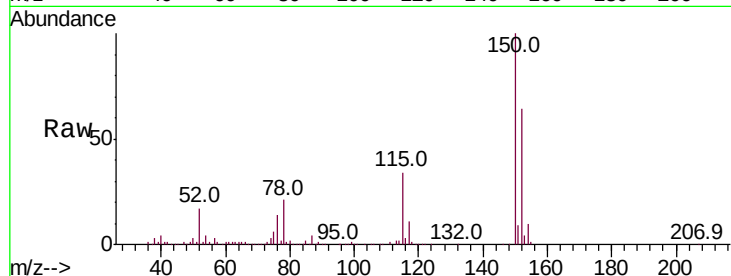
Tot Ion:152 Resp: 135804

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

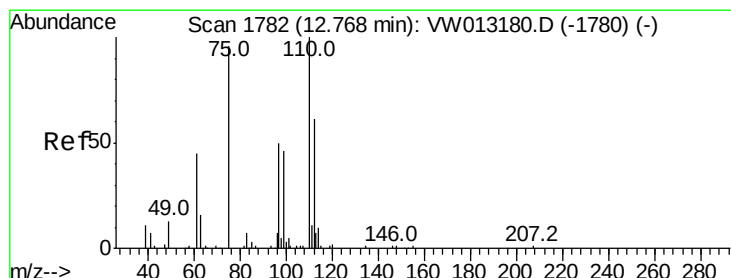
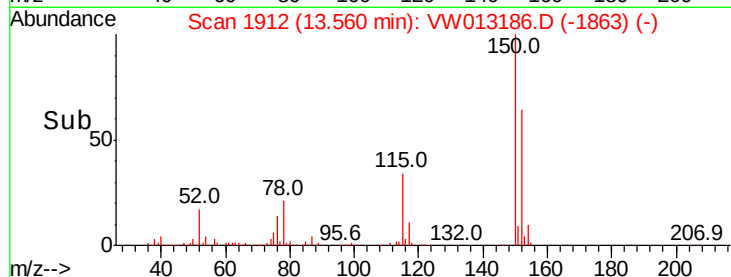
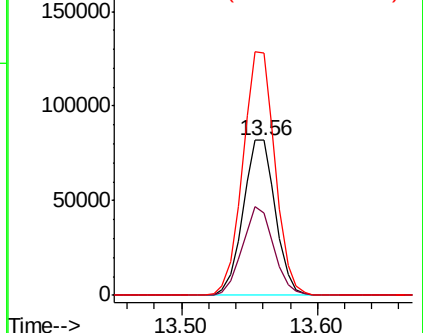
150 156.4 0.0 349.0



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: 60.736 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013186.D

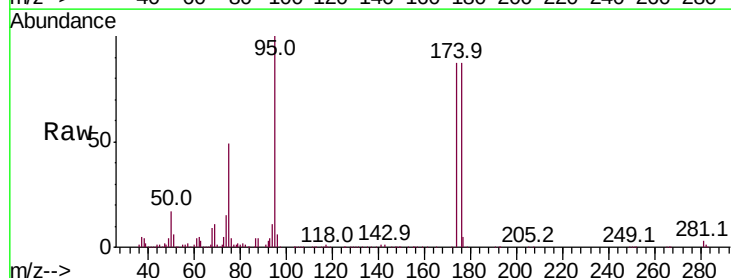
Acq: 20 Sep 2019 17:07

Tgt Ion: 75 Resp: 72842

Ion Ratio Lower Upper

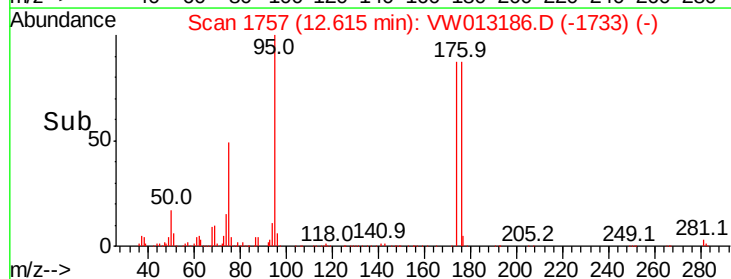
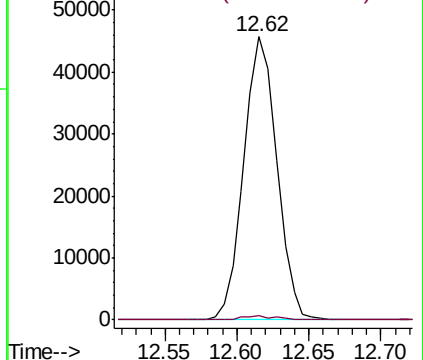
75 100

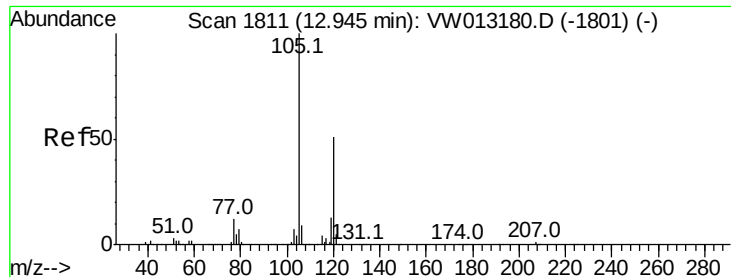
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.258 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

Instrument :

MSVOA_W

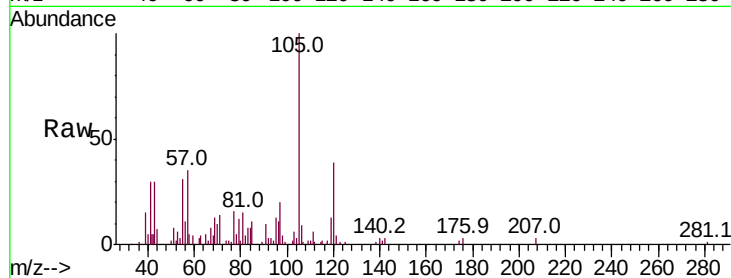
ClientSampleId :

Tot Ion:105 Resp: 10608

Ion Ratio Lower Upper

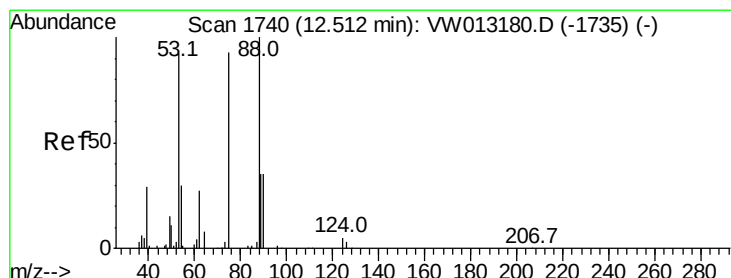
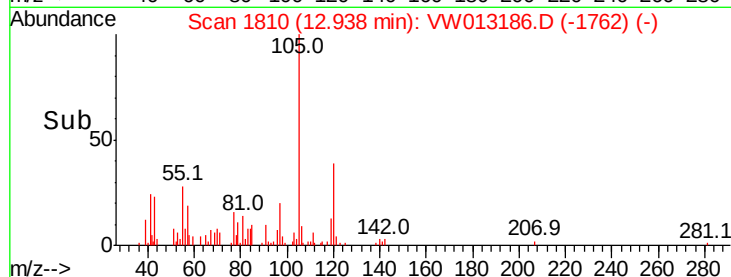
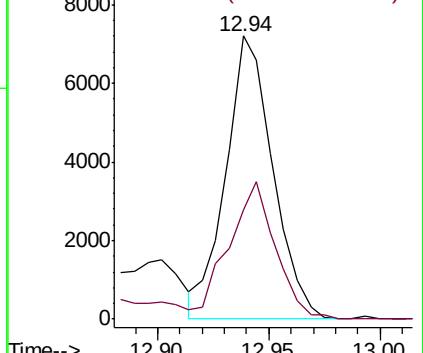
105 100

120 48.2 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 136.286 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013186.D

Acq: 20 Sep 2019 17:07

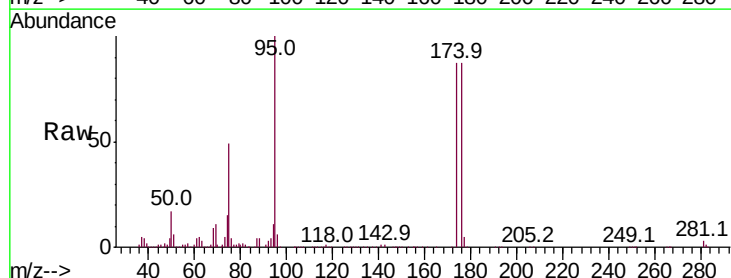
Tgt Ion: 75 Resp: 72842

Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

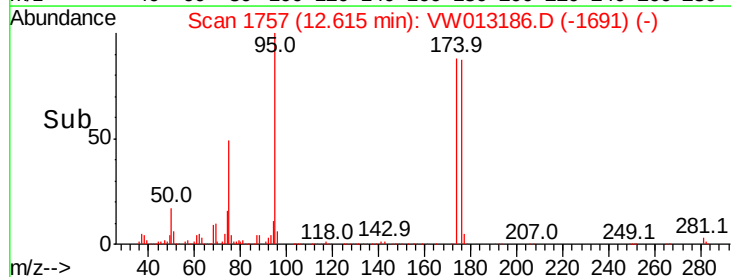
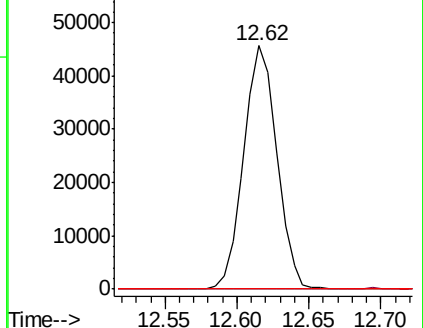
89 0.0 33.5 50.3#

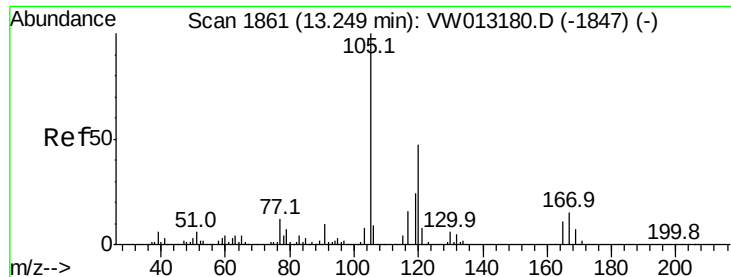


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

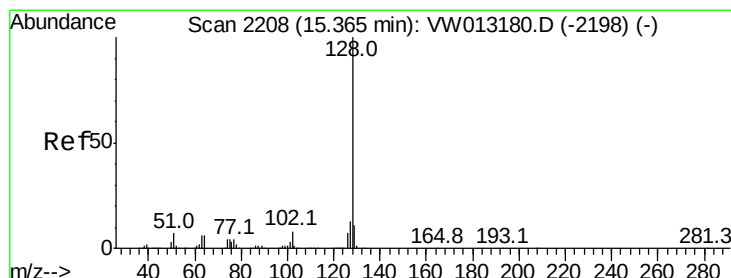
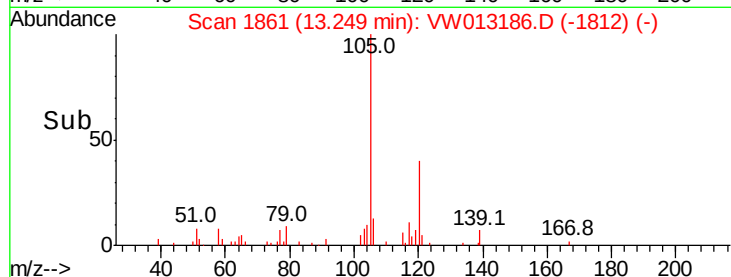
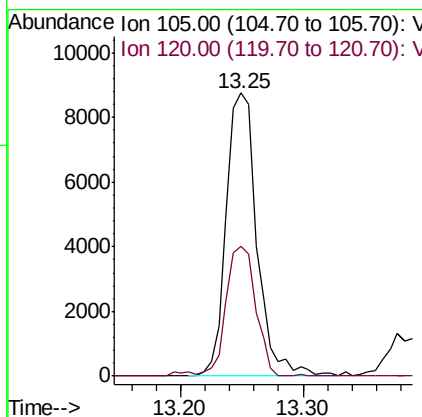
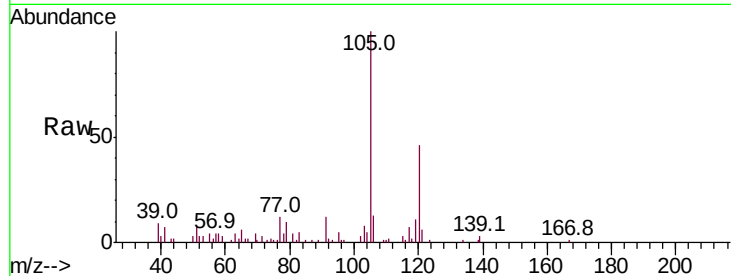




#84
 1,2,4-Trimethylbenzene
 Concen: 1.811 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013186.D
 Acq: 20 Sep 2019 17:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:105 Resp: 15200
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.3



#95
 Naphthalene
 Concen: 38.159 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW013186.D
 Acq: 20 Sep 2019 17:07

Tgt Ion:128 Resp: 177016
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 10.9 8.7 13.1

