

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012876.D
 Acq On : 10 Sep 2019 17:41
 Operator : SY/VA
 Sample : K4692-09
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0

Quant Time: Sep 10 18:22:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	128856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	187584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	141087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	43684	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	65449	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	7.88	113	57506	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	10.32	98	215005	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.62	95	54964	34.65	ug/l	0.00
Spiked Amount			Recovery	=	69.30%	

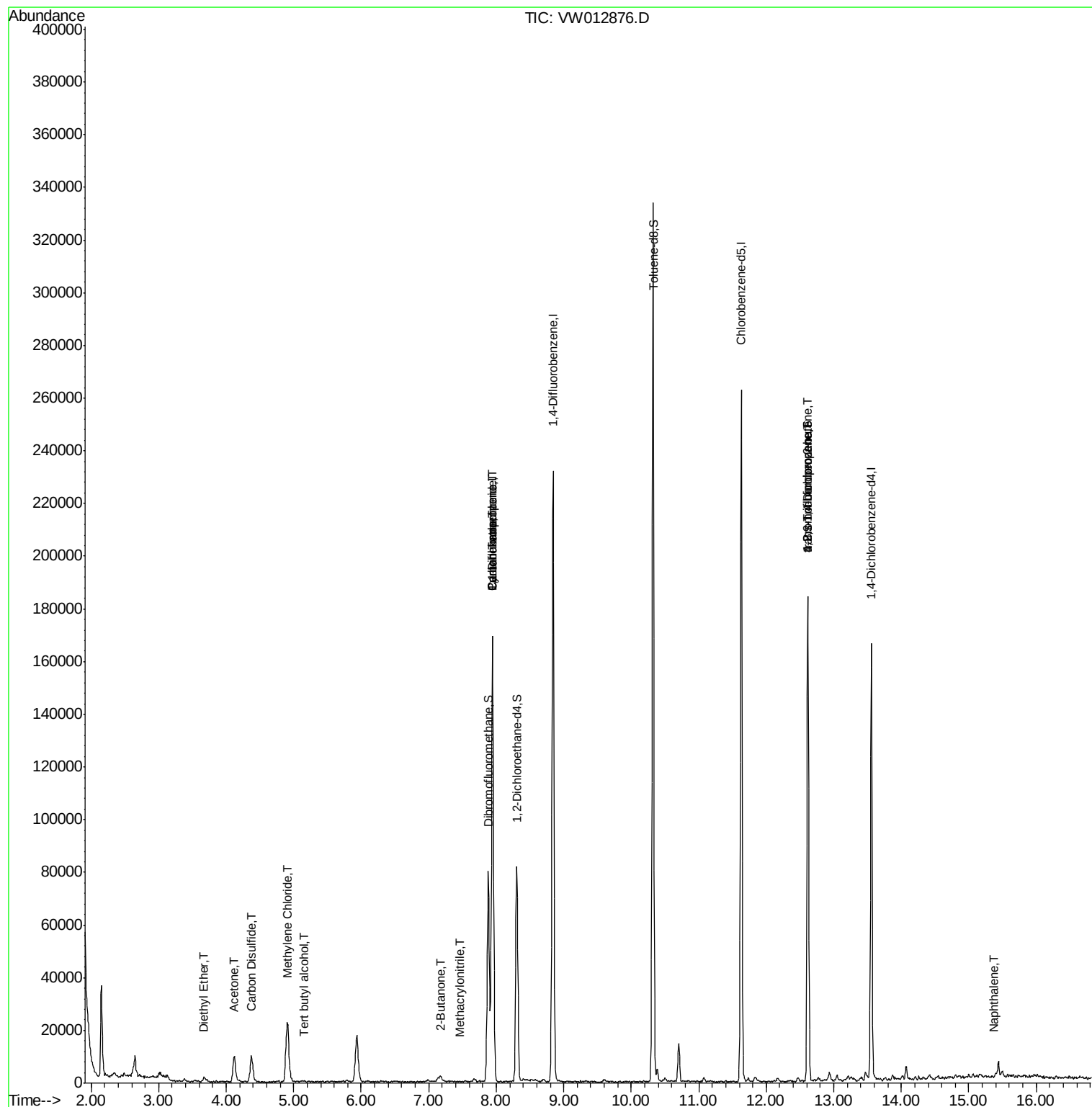
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	967	1.602	ug/l #	1
11) Tert butyl alcohol	5.15	59	211	1.915	ug/l #	72
16) Acetone	4.12	43	17354	44.214	ug/l	96
17) Carbon Disulfide	4.37	76	18003	7.970	ug/l	97
20) Methylene Chloride	4.91	84	16398	13.354	ug/l #	81
25) 2-Butanone	7.18	43	3148	24.698	ug/l	97
31) Cyclohexane	7.95	56	2713	1.282	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	9735	5.841	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12465	7.587	ug/l #	18
41) Methacrylonitrile	7.46	41	46	3.898	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	28136	62.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28136	133.224	ug/l #	6
95) Naphthalene	15.36	128	765	4.819	ug/l #	82

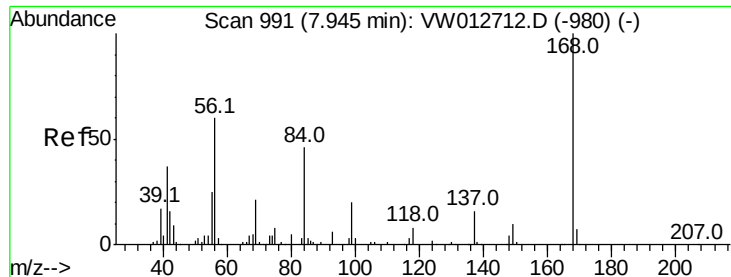
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

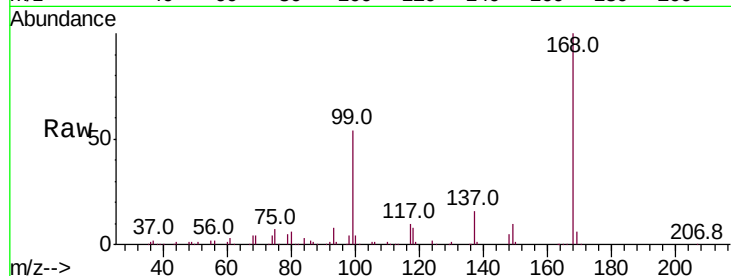
SB-28-9.5-10.0

Tot Ion:168 Resp: 128856

Ion Ratio Lower Upper

168 100

99 54.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

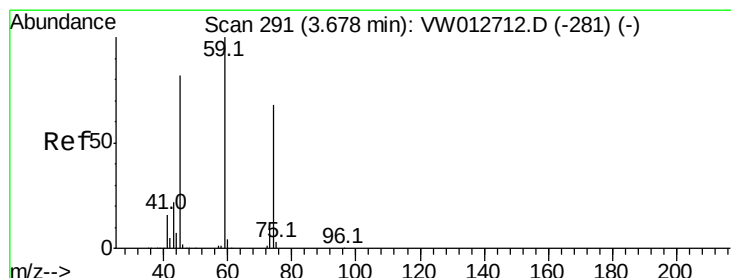
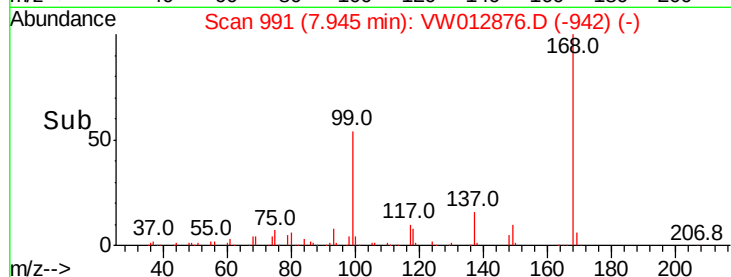
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.602 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012876.D

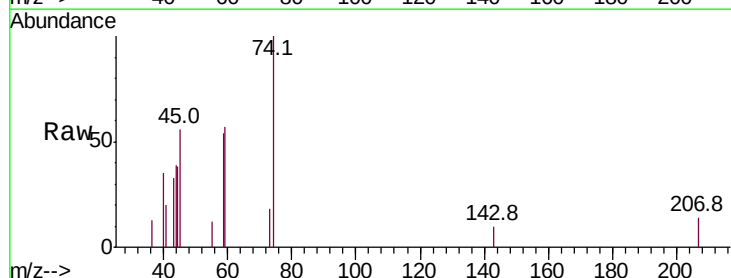
Acq: 10 Sep 2019 17:41

Tgt Ion: 74 Resp: 967

Ion Ratio Lower Upper

74 100

45 0.0 58.8 176.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

500

400

300

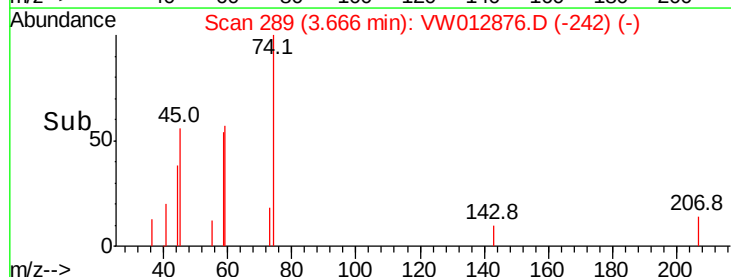
200

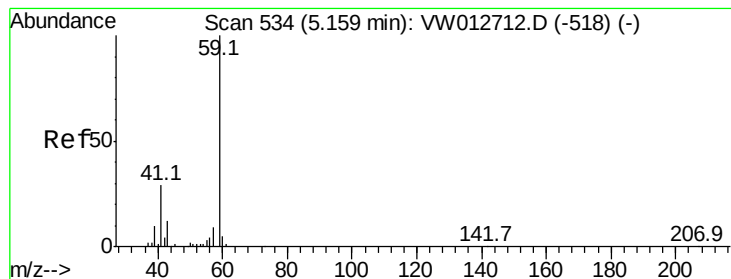
100

0

3.60 3.65 3.70 3.75

Time-->





#11

Tert butyl alcohol

Concen: 1.915 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampled :

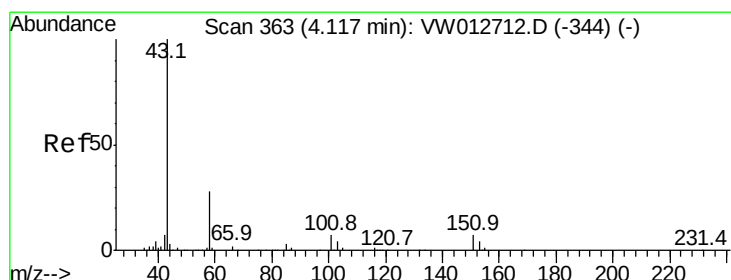
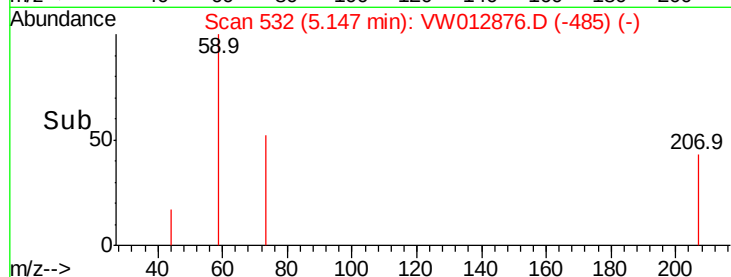
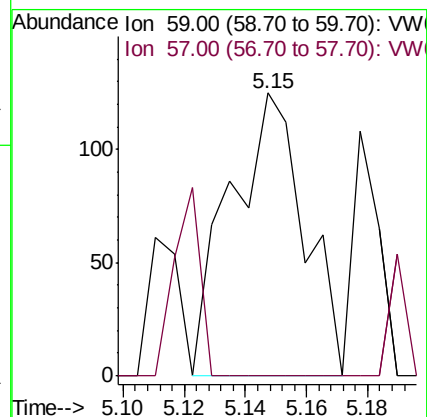
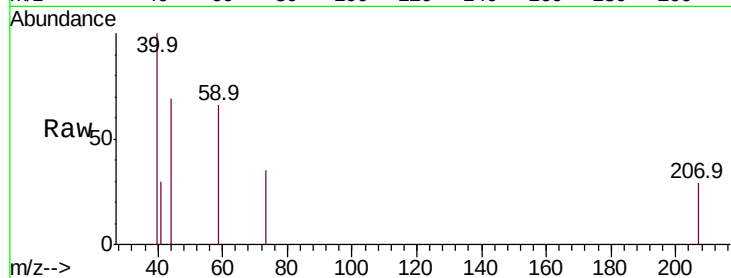
SB-28-9.5-10.0

Tot Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 44.214 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012876.D

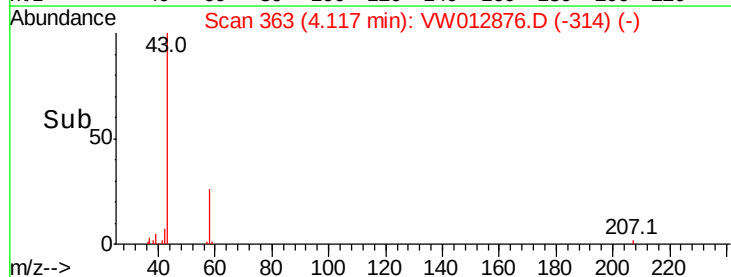
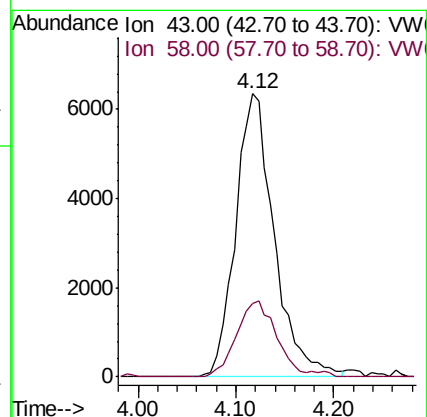
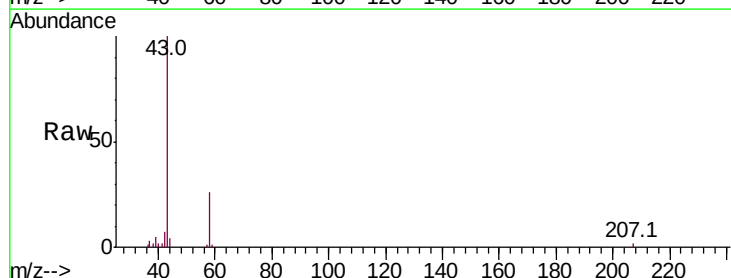
Acq: 10 Sep 2019 17:41

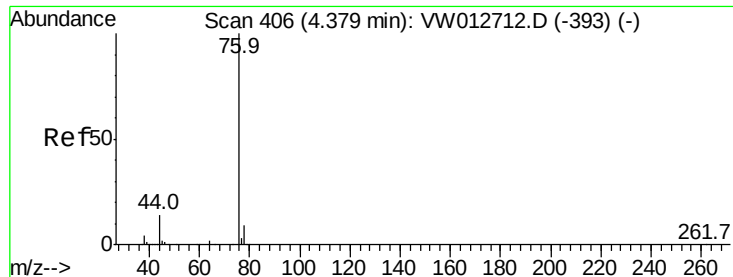
Tgt Ion: 43 Resp: 17354

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8

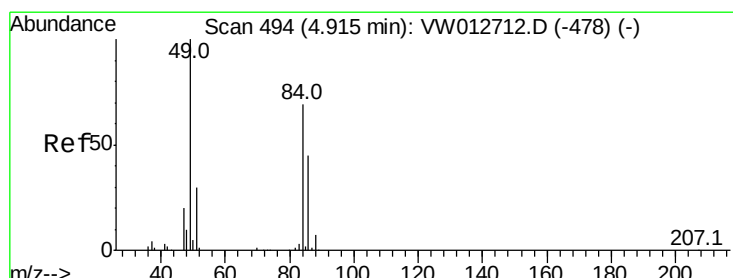
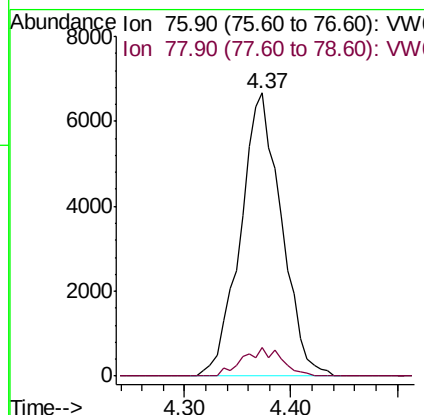
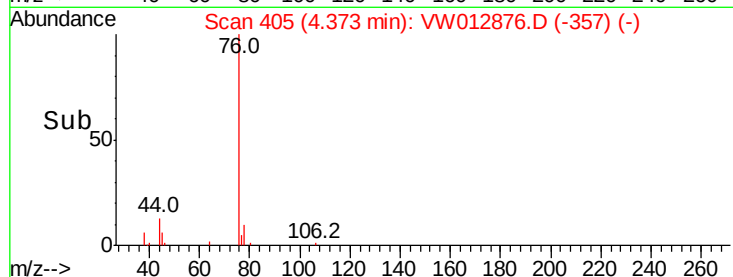
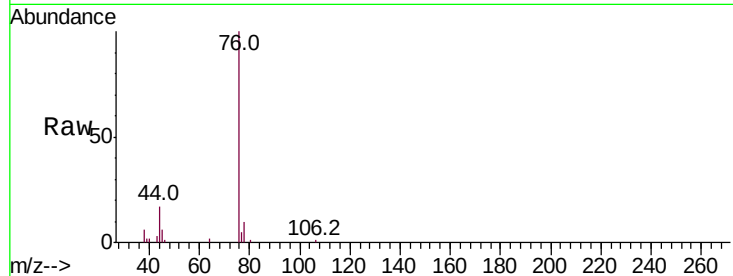




#17
Carbon Disulfide
Concen: 7.970 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012876.D
Acq: 10 Sep 2019 17:41

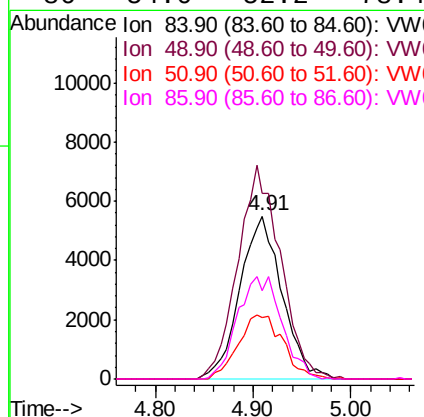
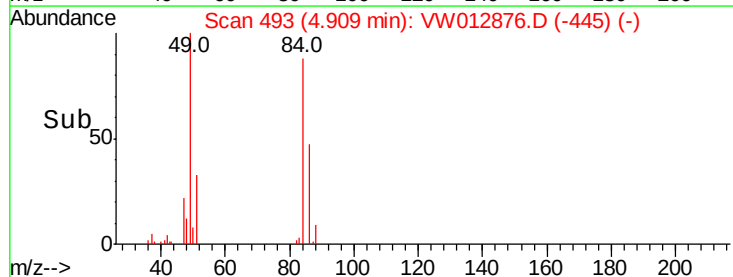
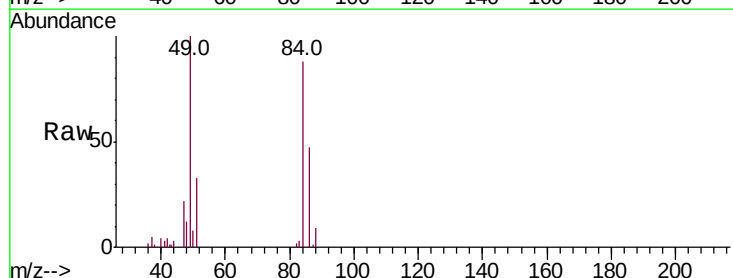
Instrument :
MSVOA_W
ClientSampleId :
SB-28-9.5-10.0

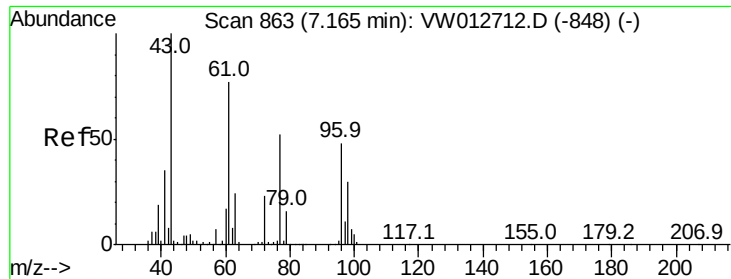
Tot Ion: 76 Resp: 18003
Ion Ratio Lower Upper
76 100
78 10.2 7.2 10.8



#20
Methylene Chloride
Concen: 13.354 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012876.D
Acq: 10 Sep 2019 17:41

Tgt Ion: 84 Resp: 16398
Ion Ratio Lower Upper
84 100
49 114.2 115.4 173.0#
51 37.8 34.9 52.3
86 54.0 52.2 78.4





#25

2-Butanone

Concen: 24.698 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

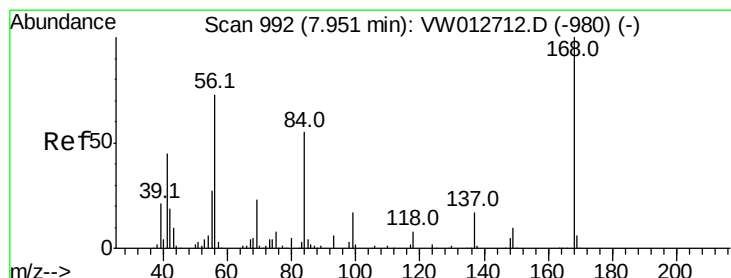
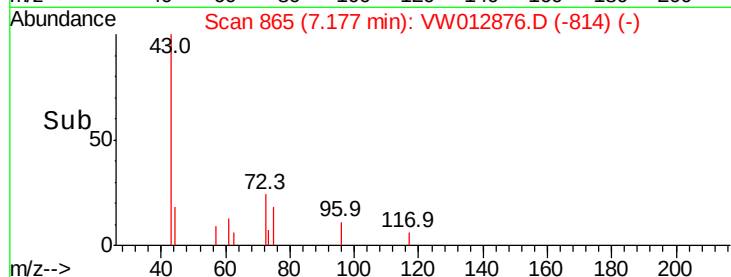
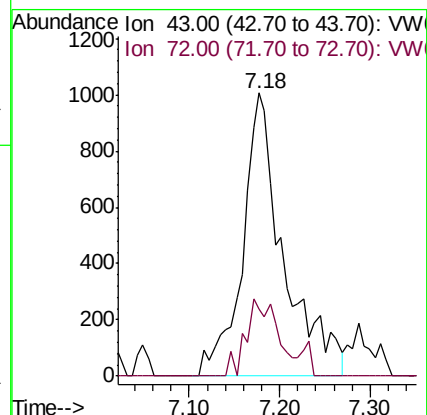
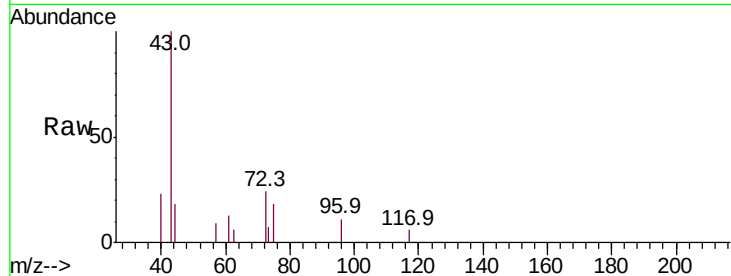
SB-28-9.5-10.0

Tot Ion: 43 Resp: 3148

Ion Ratio Lower Upper

43 100

72 23.8 18.0 27.0



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

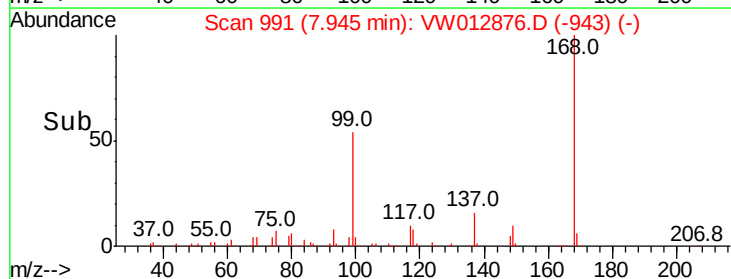
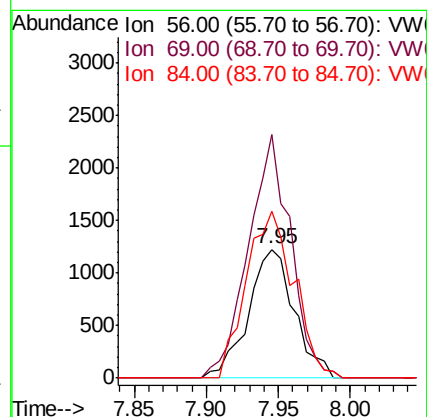
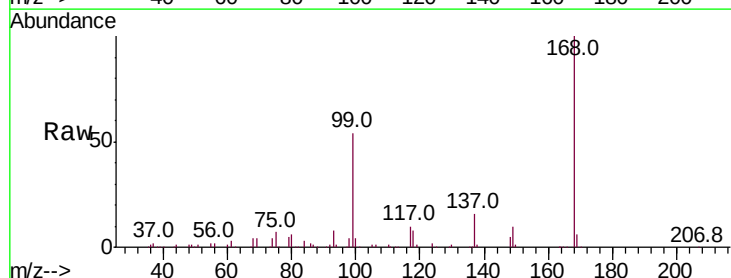
Tgt Ion: 56 Resp: 2713

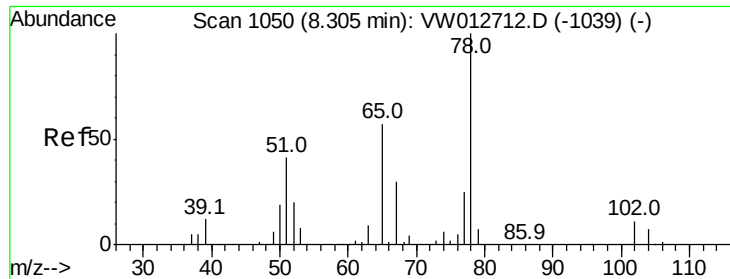
Ion Ratio Lower Upper

56 100

69 189.3 25.7 38.5#

84 129.7 60.4 90.6#

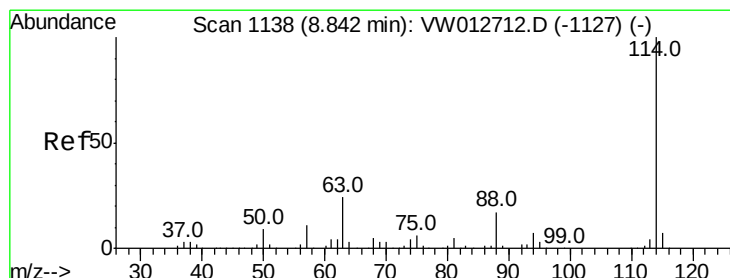
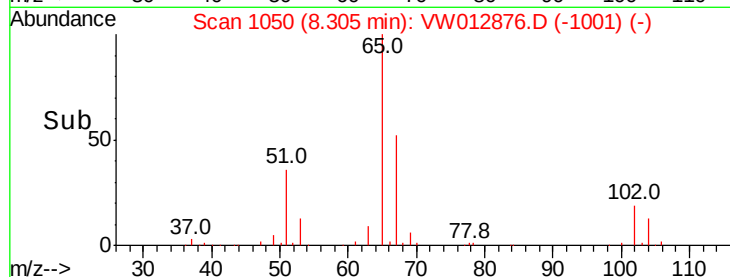
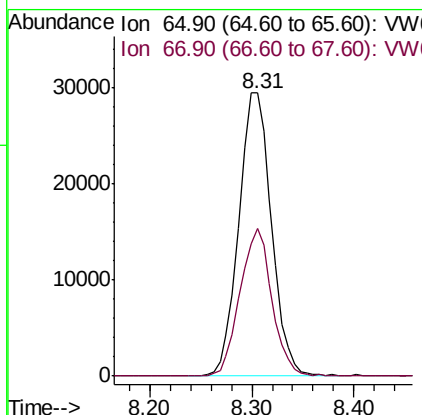
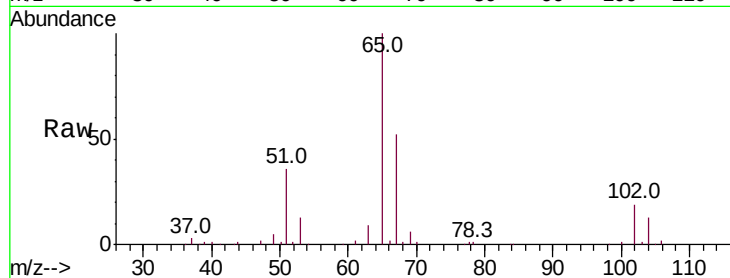




#33
 1,2-Dichloroethane-d4
 Concen: 45.459 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012876.D
 Acq: 10 Sep 2019 17:41

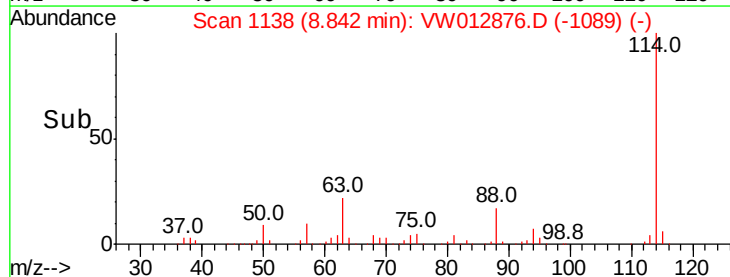
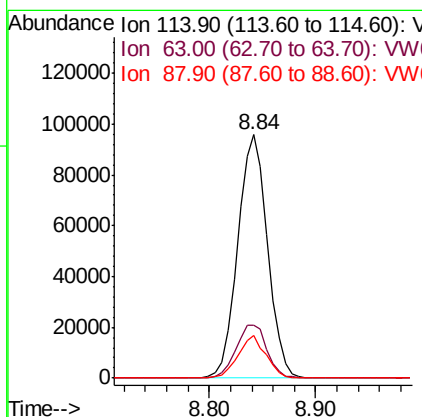
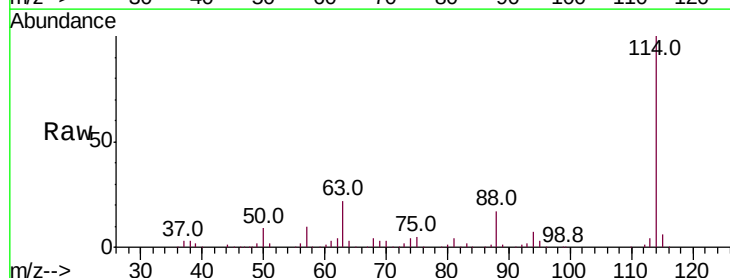
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0

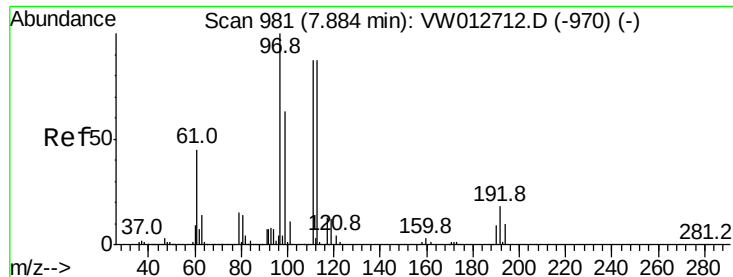
Tot Ion: 65 Resp: 65449
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012876.D
 Acq: 10 Sep 2019 17:41

Tgt Ion: 114 Resp: 187584
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 47.2
 88 17.3 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.564 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

SB-28-9.5-10.0

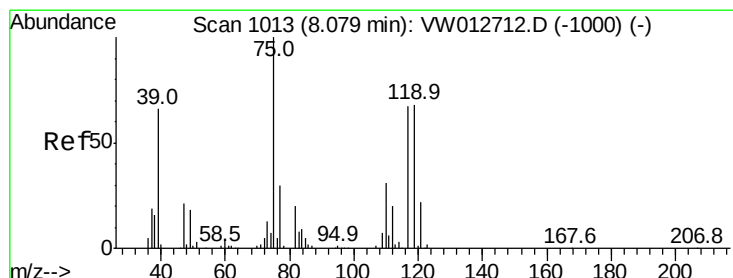
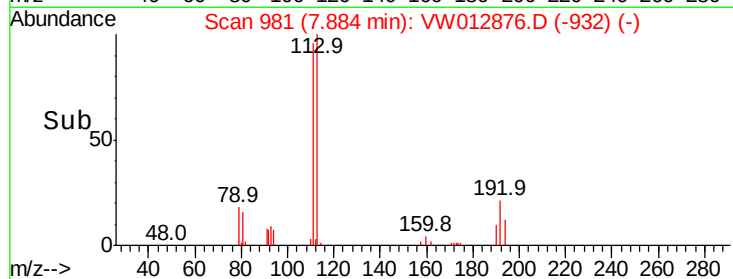
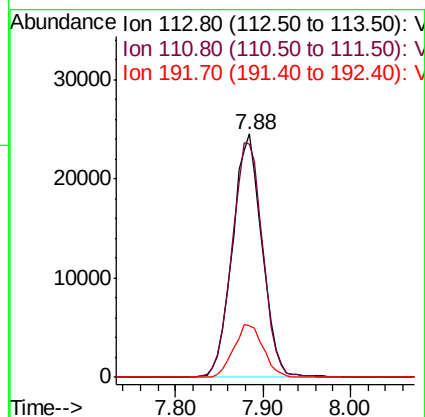
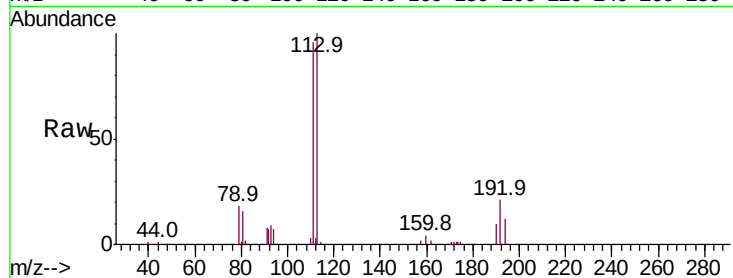
Tot Ion:113 Resp: 57506

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.2	120.4
192	21.7	17.3	25.9

113 100

111 100.5 80.2 120.4

192 21.7 17.3 25.9



#36

1,1-Dichloropropene

Concen: 5.841 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

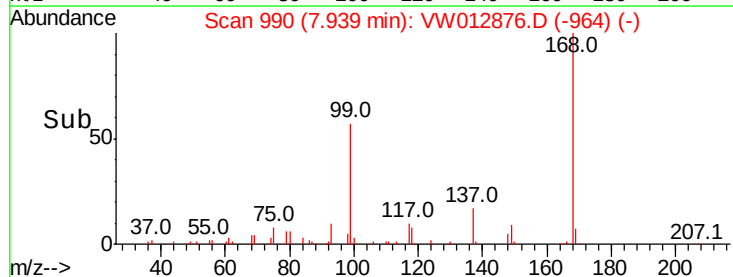
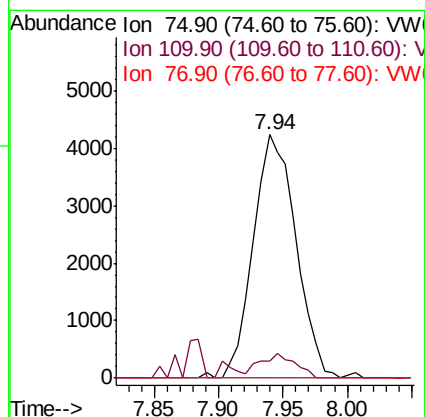
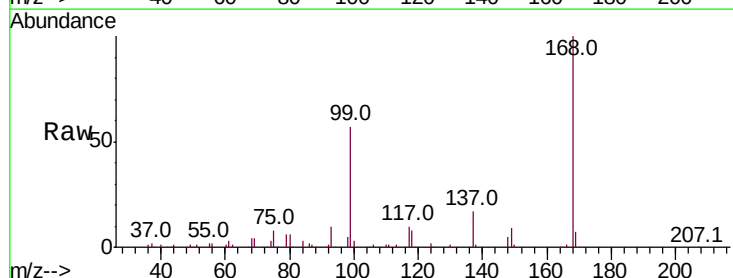
Tgt Ion: 75 Resp: 9735

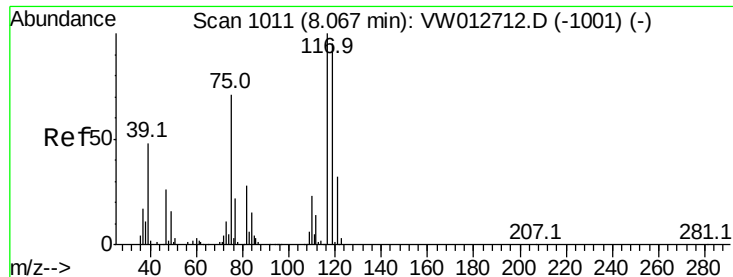
Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.9	47.7#
77	0.0	25.0	37.4#

75 100

110 8.4 15.9 47.7#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.587 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

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SB-28-9.5-10.0

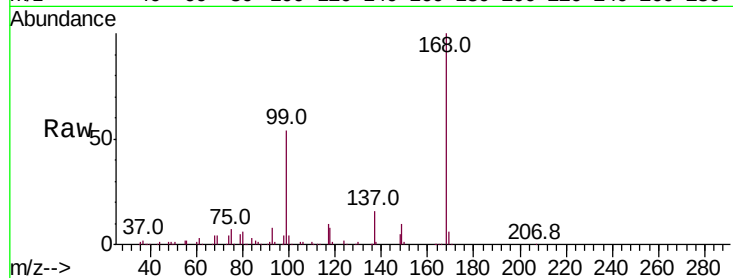
Tot Ion:117 Resp: 12465

Ion Ratio Lower Upper

117 100

119 7.5 76.2 114.2#

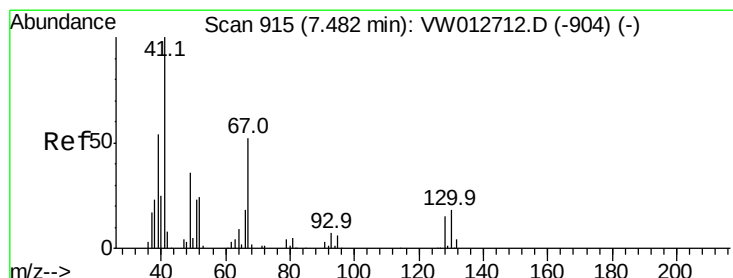
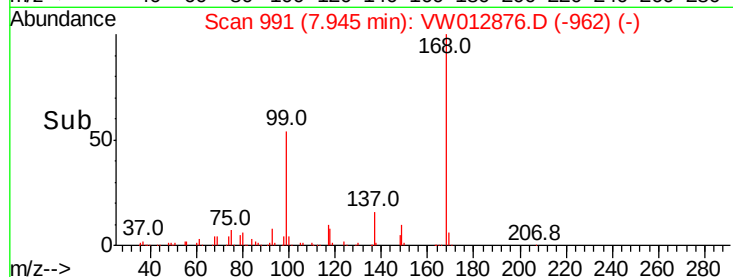
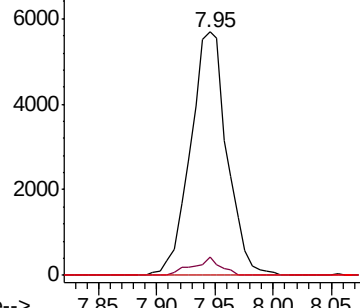
121 0.0 25.4 38.2#



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: 3.898 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Tgt Ion: 41 Resp: 46

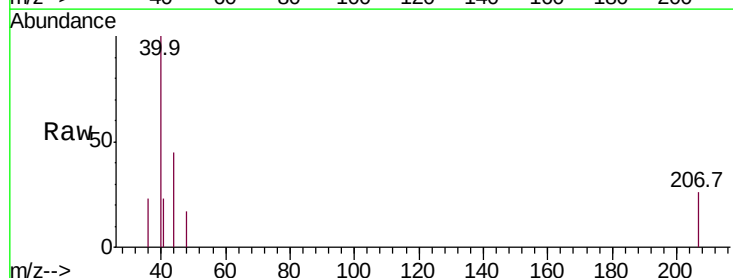
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 50.0 45.1 67.7

52 0.0 20.2 30.2#

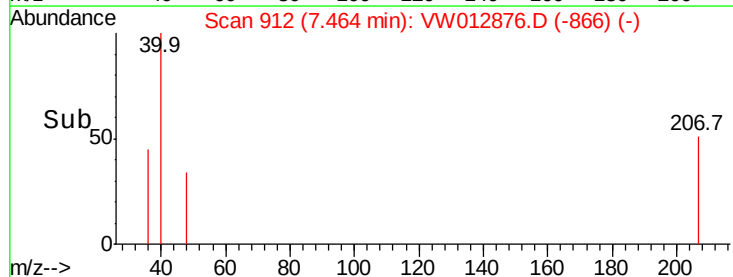
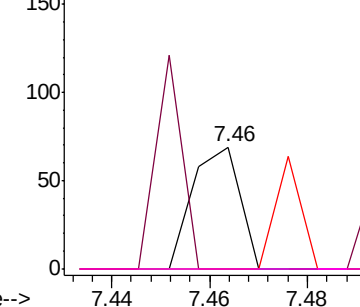


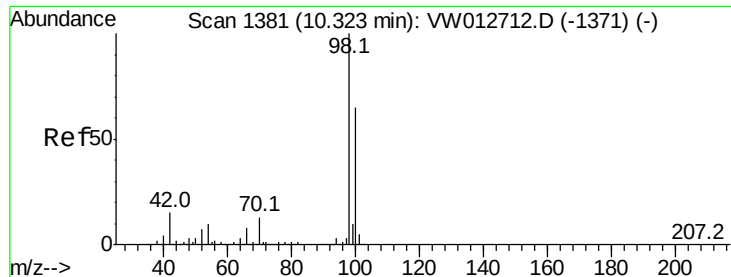
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.209 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampled :

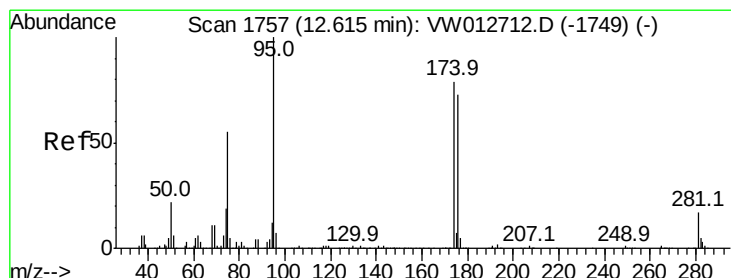
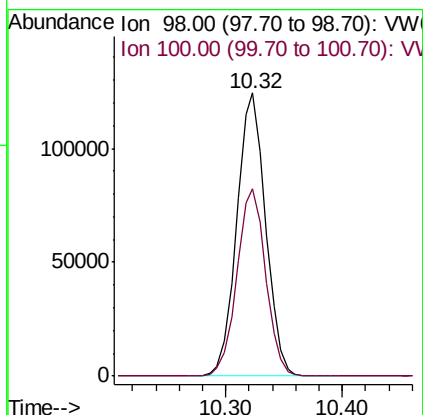
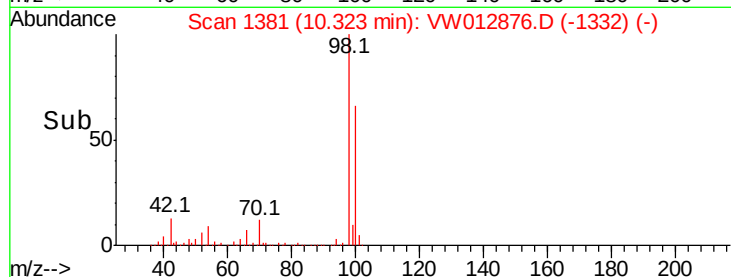
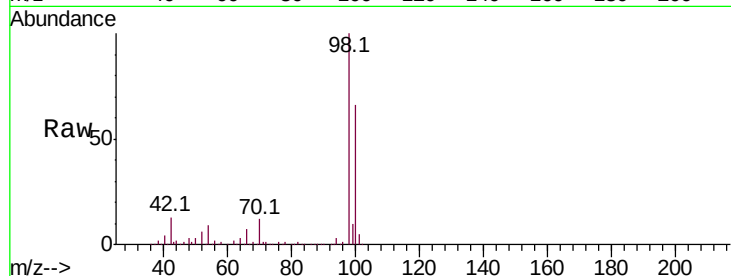
SB-28-9.5-10.0

Tot Ion: 98 Resp: 215005

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 34.652 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

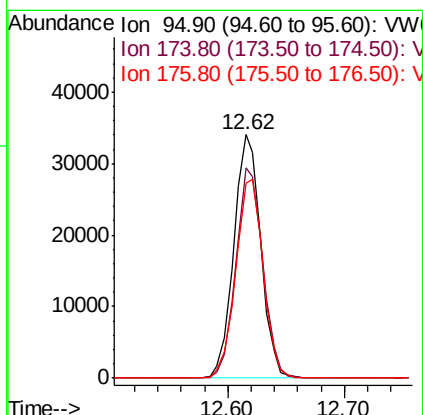
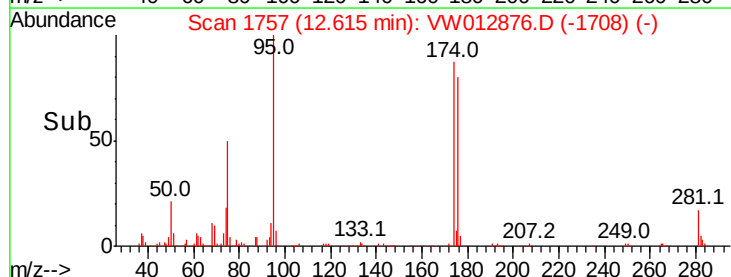
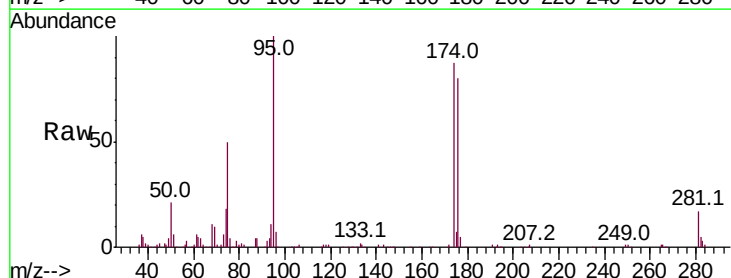
Tgt Ion: 95 Resp: 54964

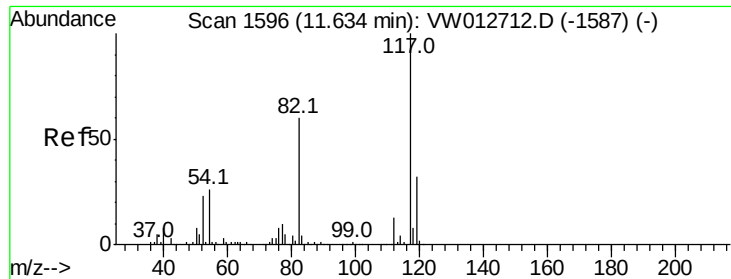
Ion Ratio Lower Upper

95 100

174 86.1 0.0 161.0

176 82.7 0.0 156.4

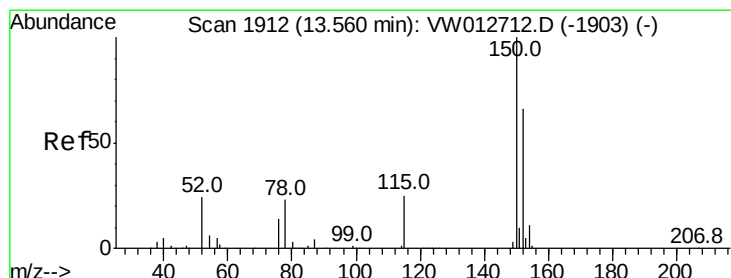
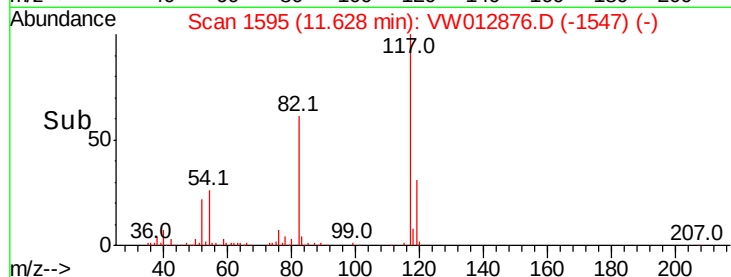
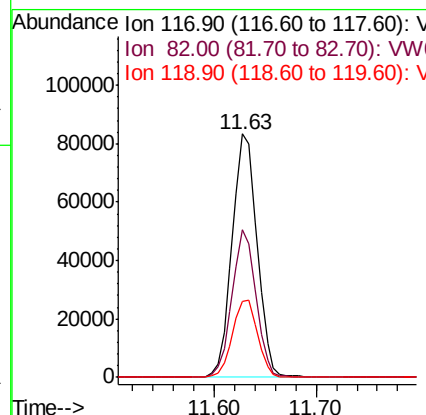
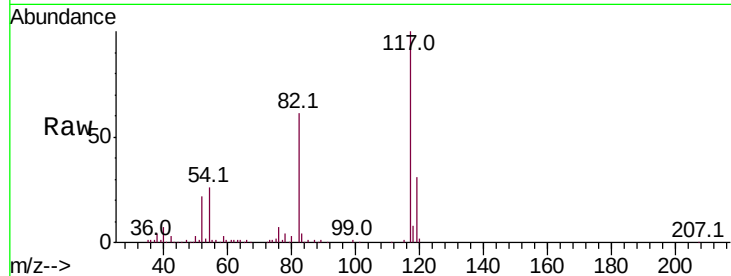




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012876.D
Acq: 10 Sep 2019 17:41

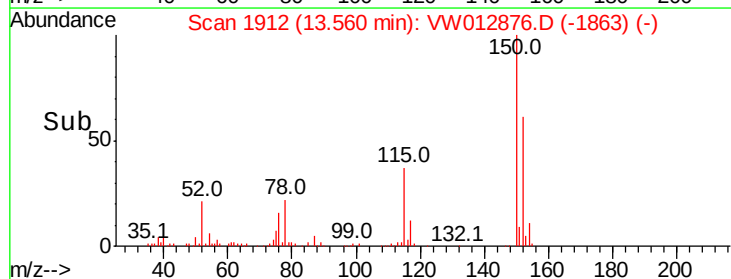
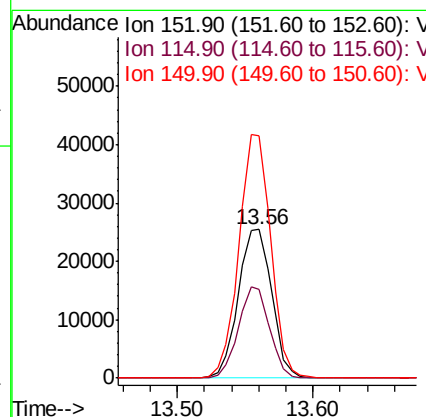
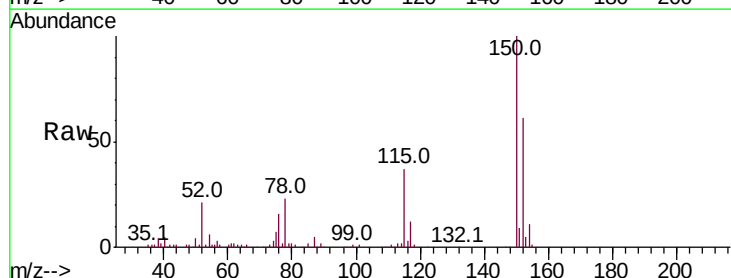
Instrument :
MSVOA_W
ClientSampleId :
SB-28-9.5-10.0

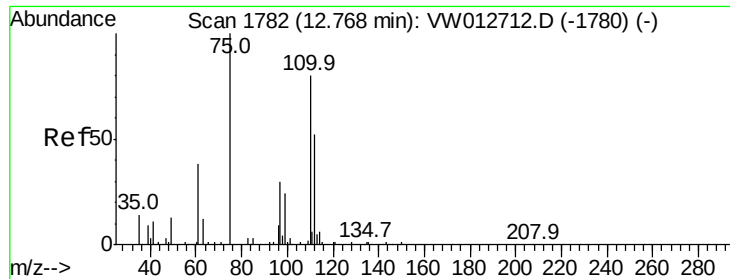
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.2	72.4
119	31.4	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012876.D
Acq: 10 Sep 2019 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	30.0	90.1
150	156.0	0.0	349.0

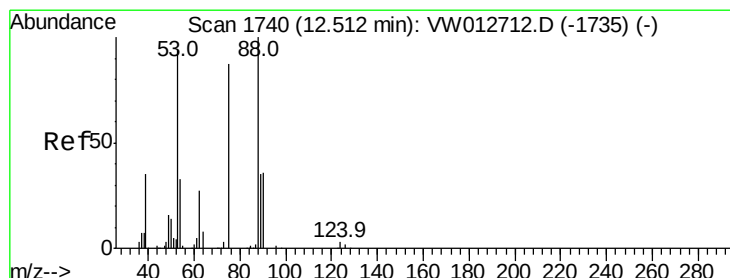
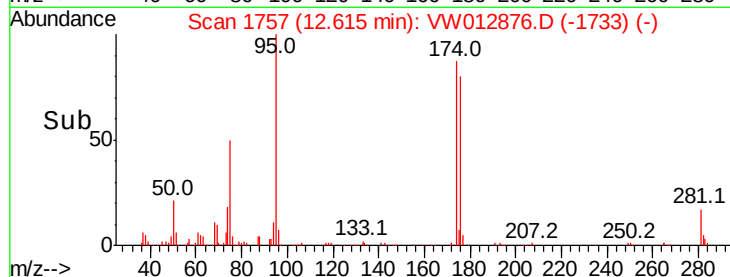
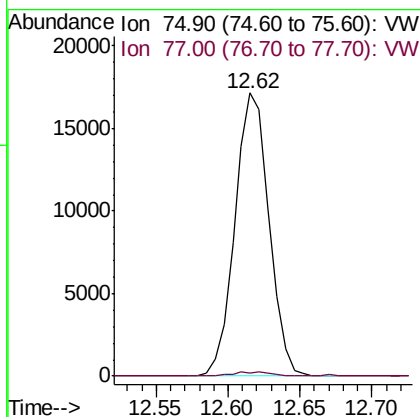
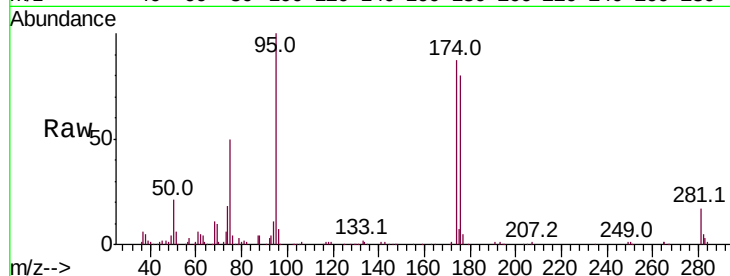




#76
 1,2,3-Trichloropropane
 Concen: 62.988 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012876.D
 Acq: 10 Sep 2019 17:41

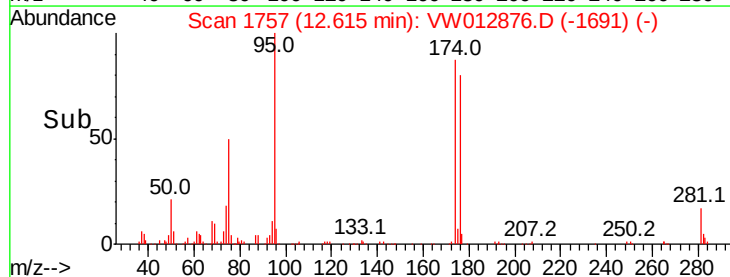
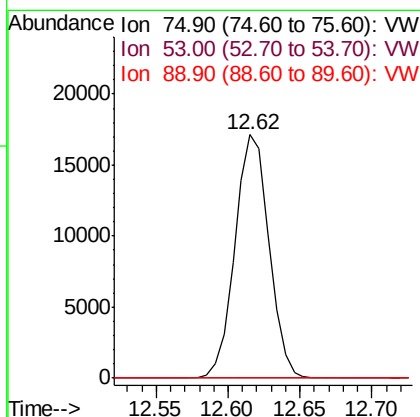
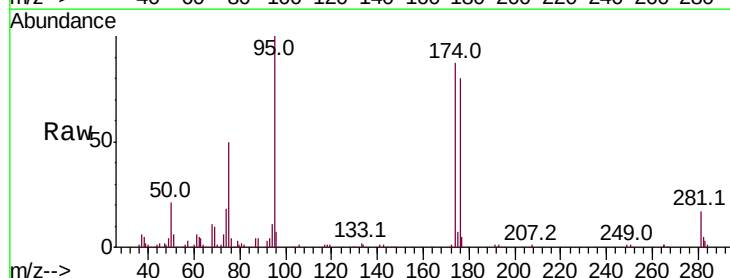
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0

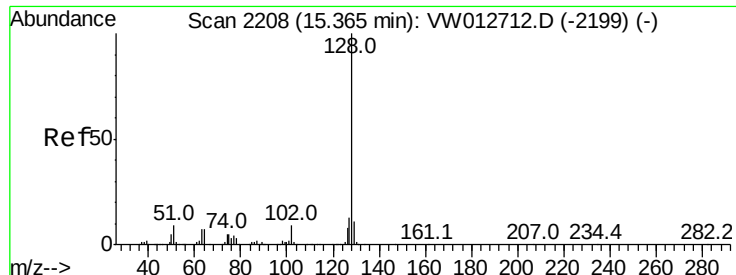
Tot Ion: 75 Resp: 28136
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.224 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012876.D
 Acq: 10 Sep 2019 17:41

Tgt Ion: 75 Resp: 28136
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.819 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012876.D

Acq: 10 Sep 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

SB-28-9.5-10.0

Tot Ion:128 Resp: 765

Ion Ratio Lower Upper

128 100

127 3.9 10.7 16.1#

129 6.4 8.7 13.1#

