

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012822.D
 Acq On : 09 Sep 2019 15:33
 Operator : SY/VA
 Sample : K4760-02RE
 Misc : 6.36G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 16:25:02 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

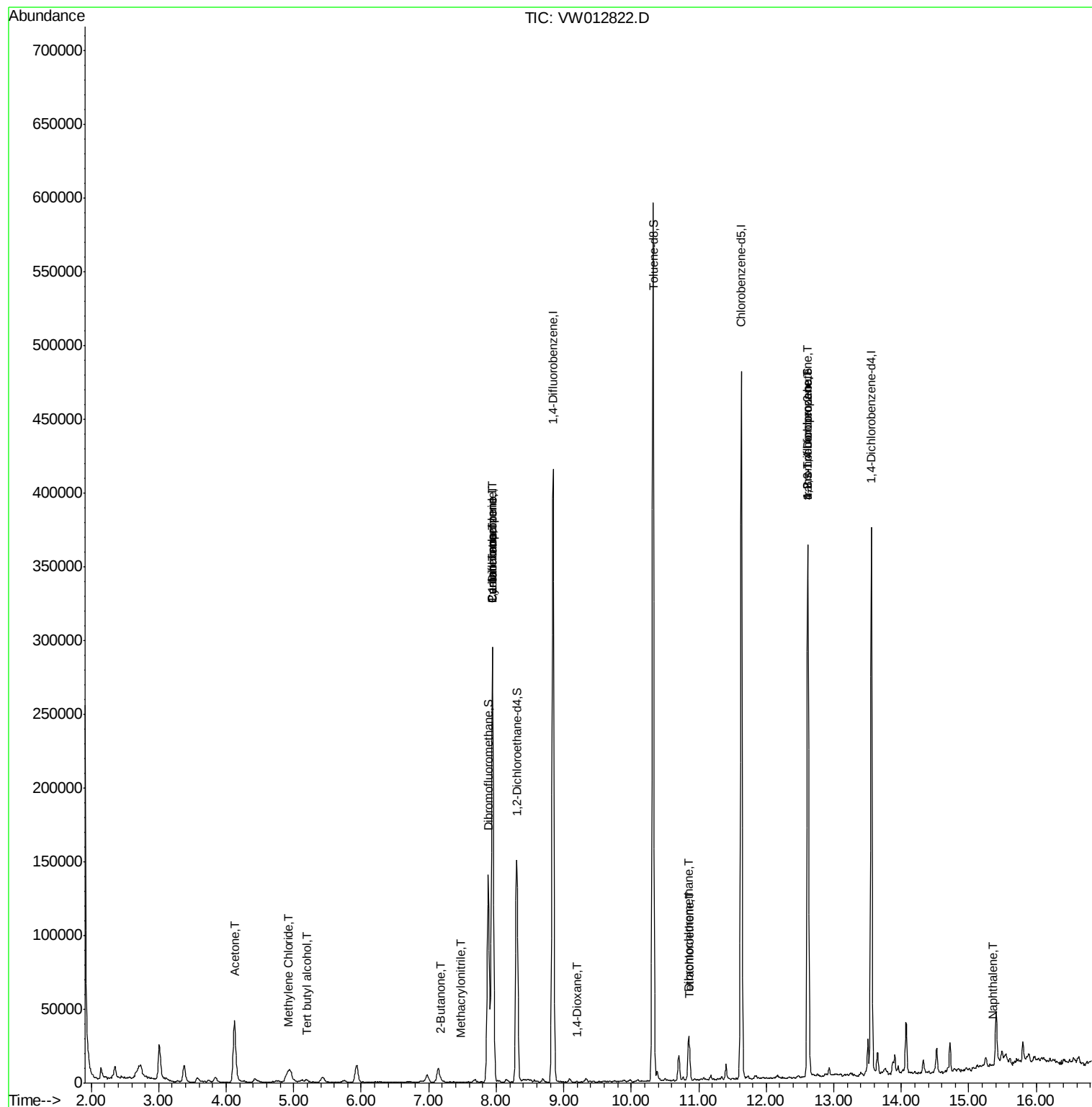
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	96021	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127370	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	7.88	113	100155	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.32	98	391489	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	12.62	95	111987	38.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.50%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.19	59	2978	15.350	ug/l #	81
16) Acetone	4.12	43	75798	109.647	ug/l	100
20) Methylene Chloride	4.91	84	3923	1.814	ug/l #	85
25) 2-Butanone	7.18	43	2290	21.753	ug/l #	62
31) Cyclohexane	7.95	56	5548	1.488	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	17125	5.639	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21615	7.221	ug/l #	15
41) Methacrylonitrile	7.48	41	25	3.856	ug/l #	1
49) 1,4-Dioxane	9.20	88	23	1.052	ug/l #	1
60) Dibromochloromethane	10.86	129	4147	2.128	ug/l #	11
64) Tetrachloroethene	10.87	164	4542	2.851	ug/l #	87
76) 1,2,3-Trichloropropane	12.62	75	59364	60.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59364	127.879	ug/l #	7
95) Naphthalene	15.36	128	594	4.573	ug/l #	94

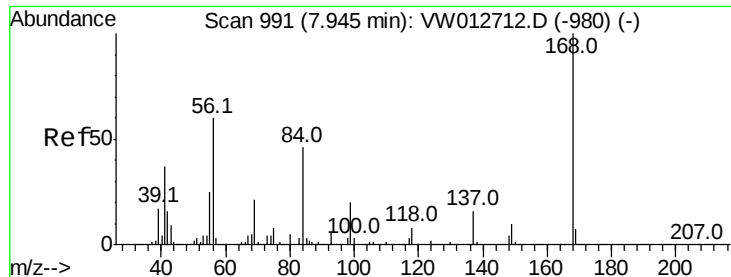
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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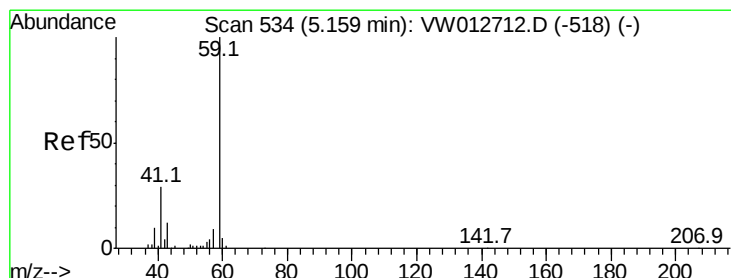
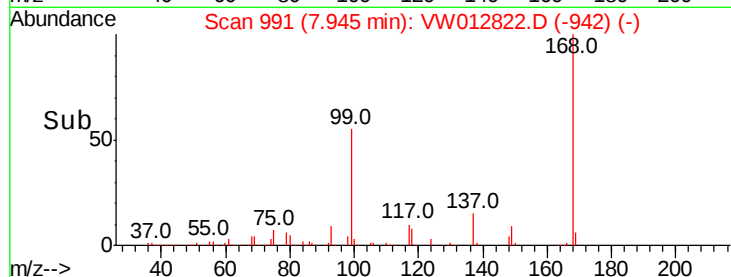
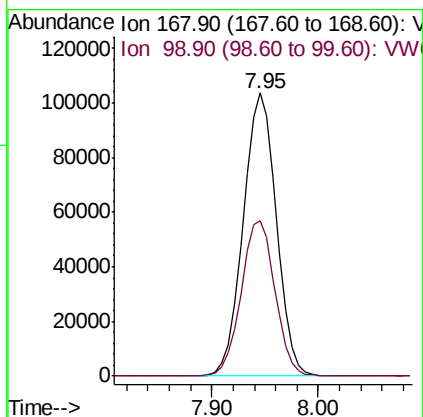
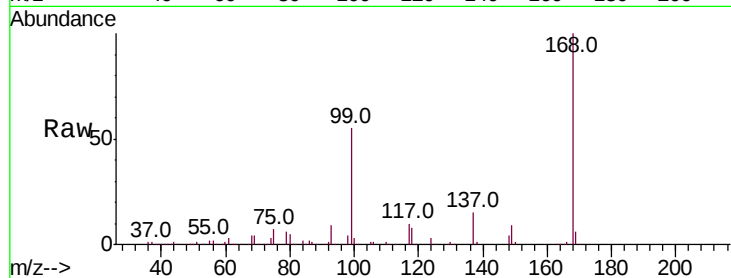


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW012822.D
 Acq: 09 Sep 2019 15:33

Instrument :
 MSVOA_W
 ClientSampled :

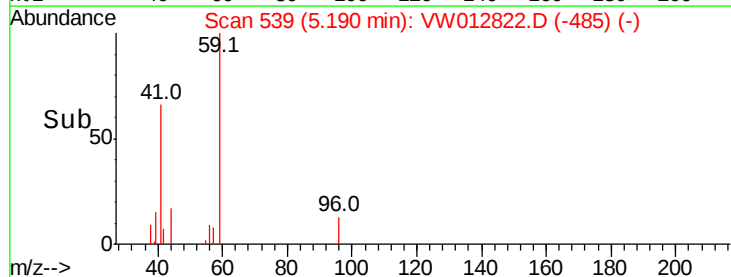
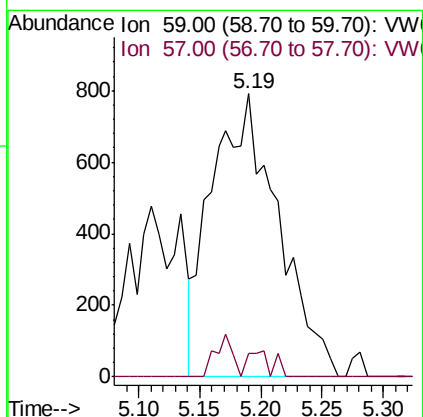
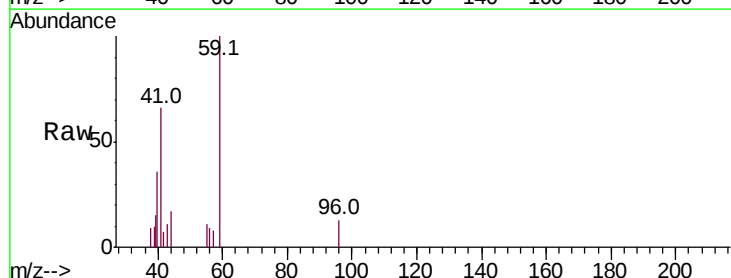
Tot Ion:168 Resp: 226946
 Ion Ratio Lower Upper
 168 100
 99 55.1 47.8 71.6

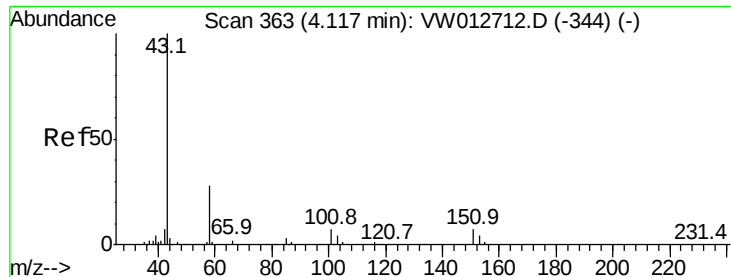


#11

Tert butyl alcohol
 Concen: 15.350 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.03 min
 Lab File: VW012822.D
 Acq: 09 Sep 2019 15:33

Tgt Ion: 59 Resp: 2978
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.2 12.4#

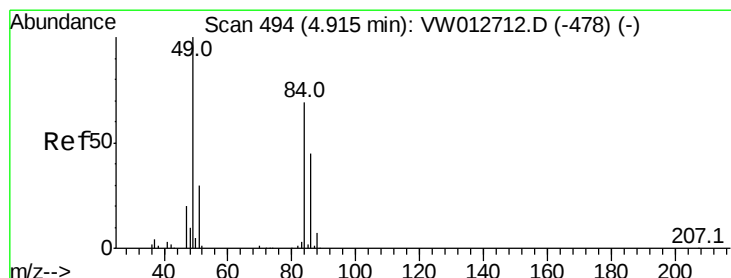
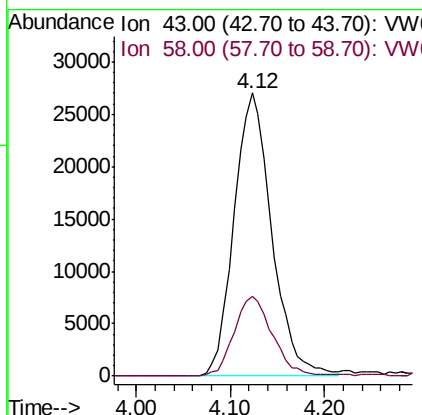
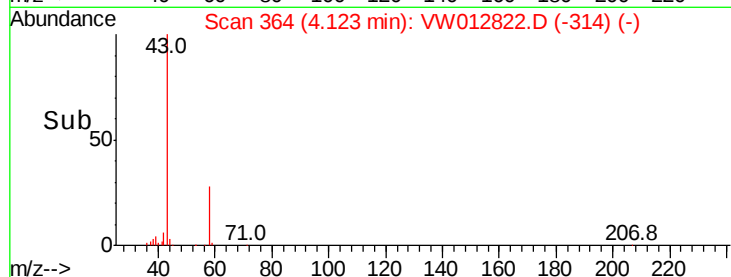
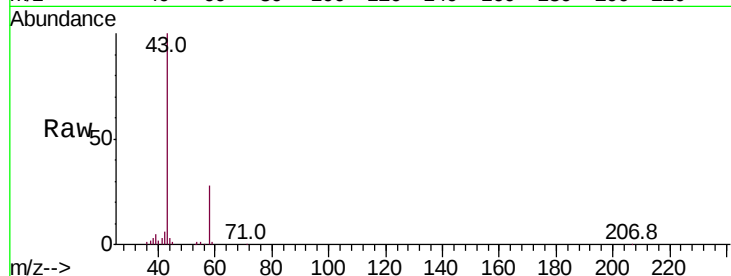




#16
Acetone
Concen: 109.647 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

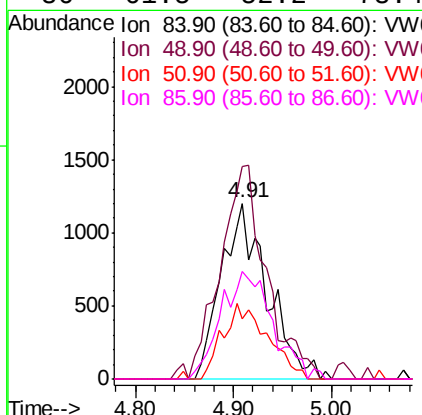
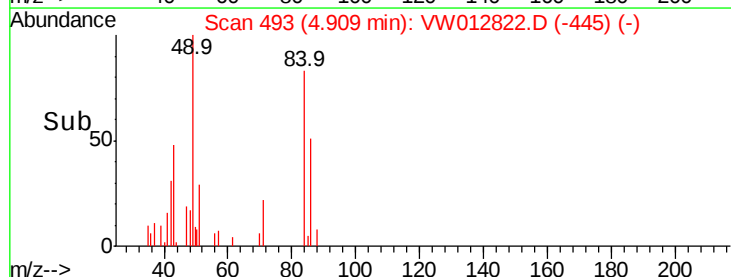
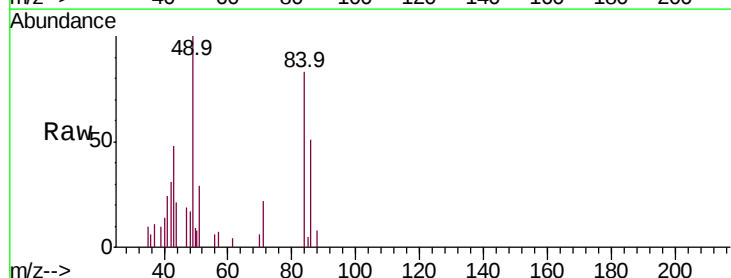
Instrument :
MSVOA_W
ClientSampleId :

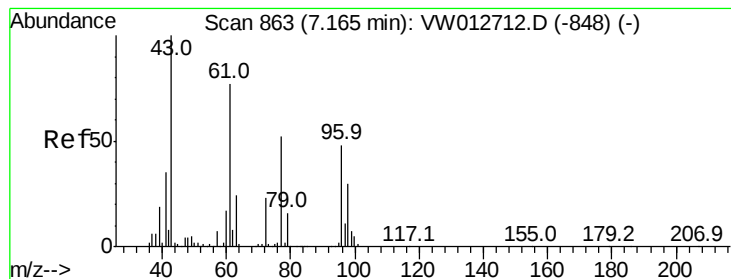
Tot Ion: 43 Resp: 75798
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8



#20
Methylene Chloride
Concen: 1.814 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Tgt Ion: 84 Resp: 3923
Ion Ratio Lower Upper
84 100
49 120.6 115.4 173.0
51 34.5 34.9 52.3#
86 61.5 52.2 78.4





#25

2-Butanone

Concen: 21.753 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

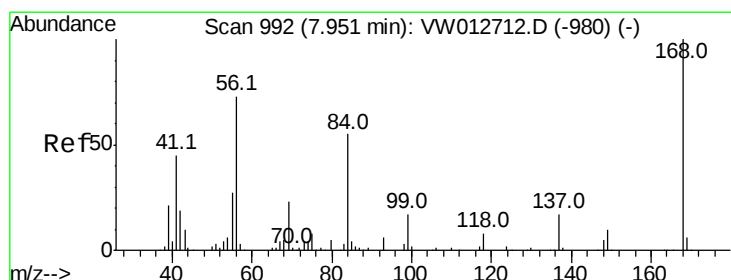
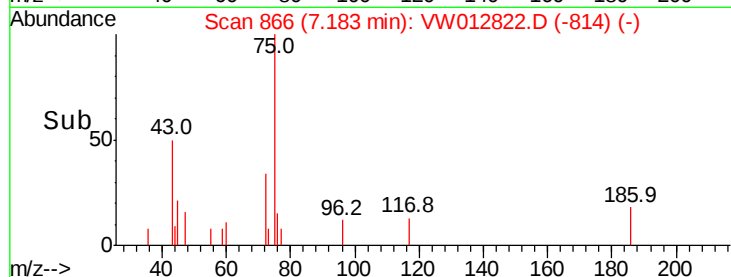
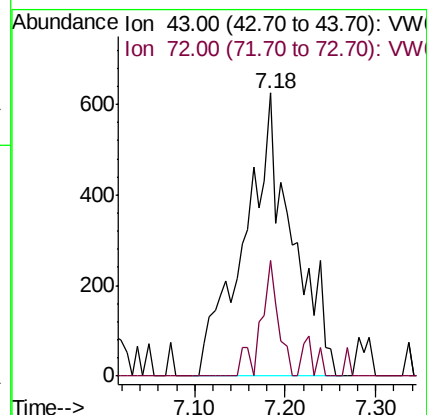
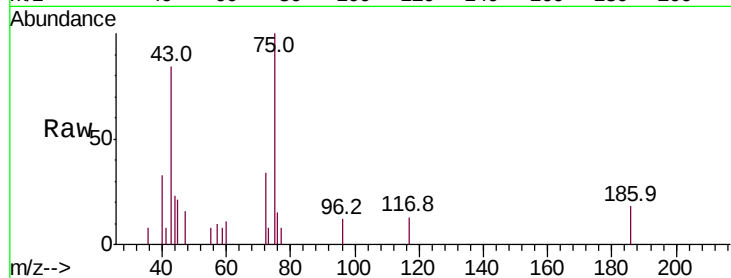
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2290

Ion Ratio Lower Upper

43 100

72 41.0 18.0 27.0#



#31

Cyclohexane

Concen: 1.488 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

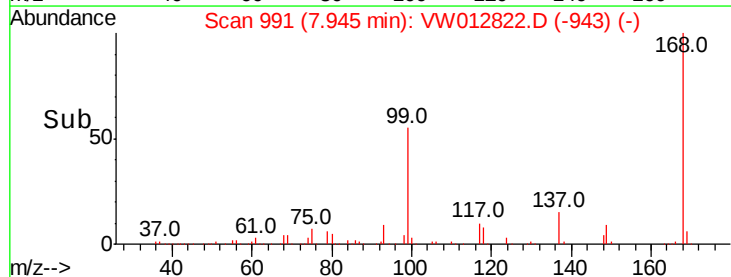
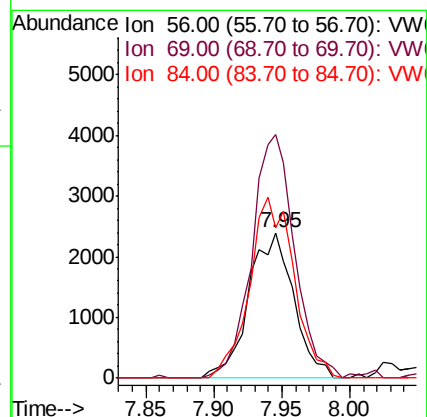
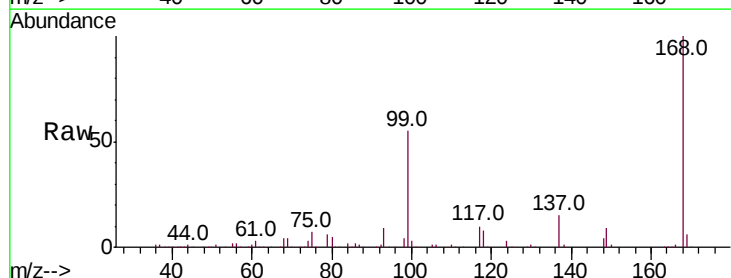
Tgt Ion: 56 Resp: 5548

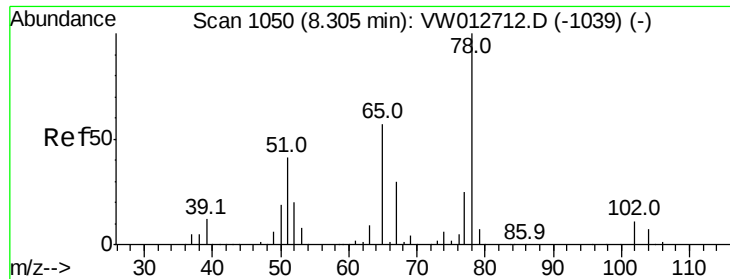
Ion Ratio Lower Upper

56 100

69 167.8 25.7 38.5#

84 103.1 60.4 90.6#

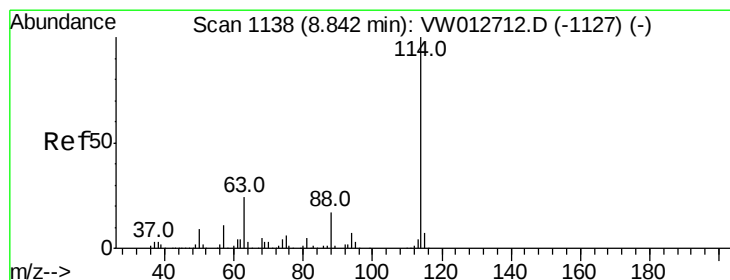
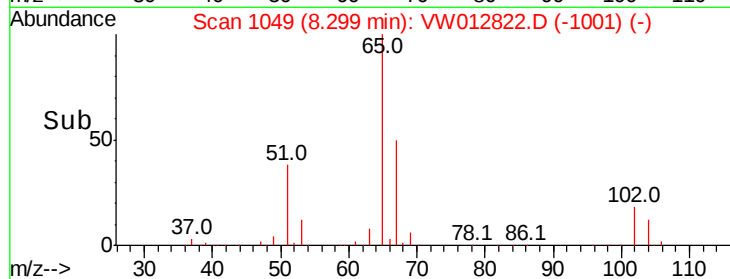
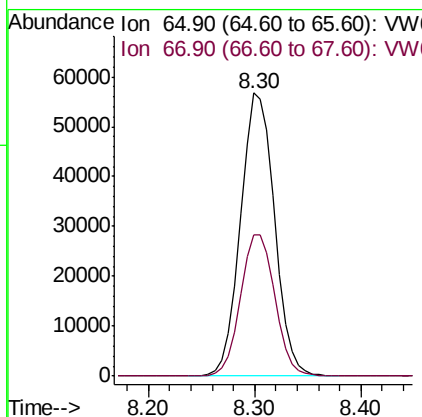
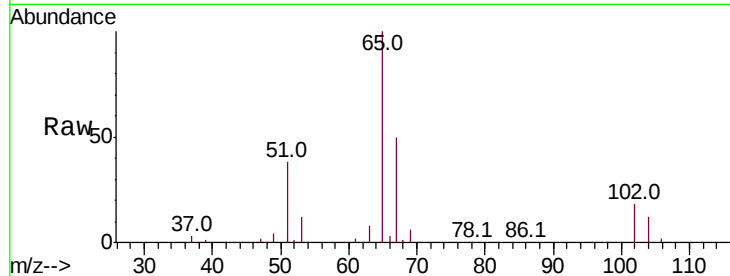




#33
 1,2-Dichloroethane-d4
 Concen: 50.230 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012822.D
 Acq: 09 Sep 2019 15:33

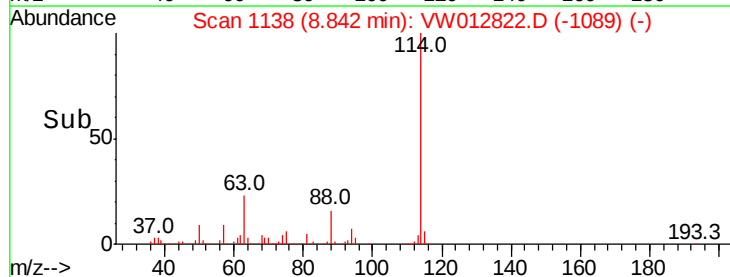
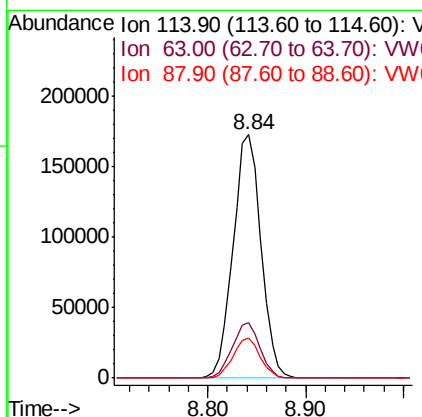
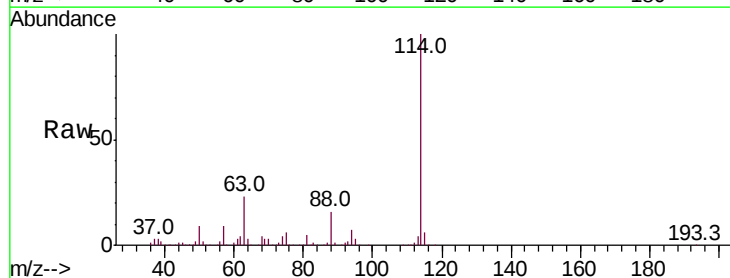
Instrument :
 MSVOA_W
 ClientSampled :

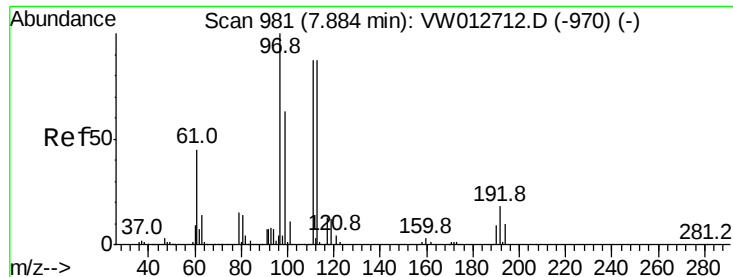
Tot Ion: 65 Resp: 127370
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012822.D
 Acq: 09 Sep 2019 15:33

Tgt Ion: 114 Resp: 341773
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.3 0.0 34.0

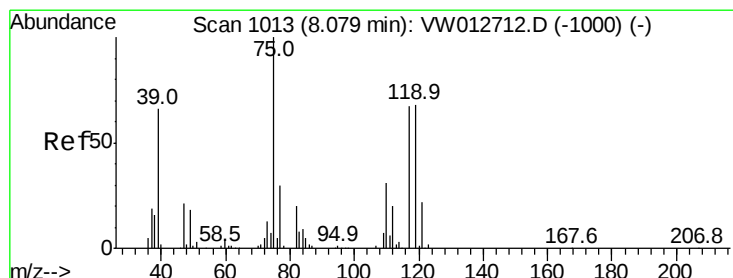
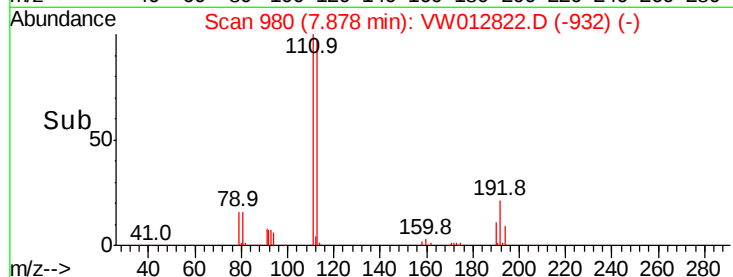
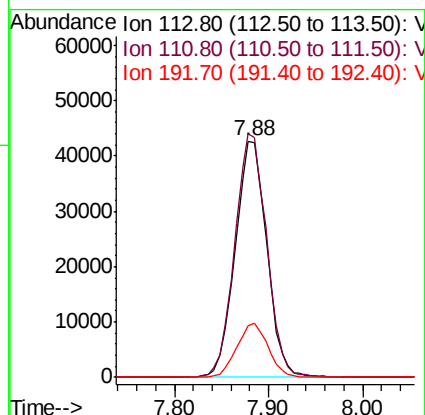
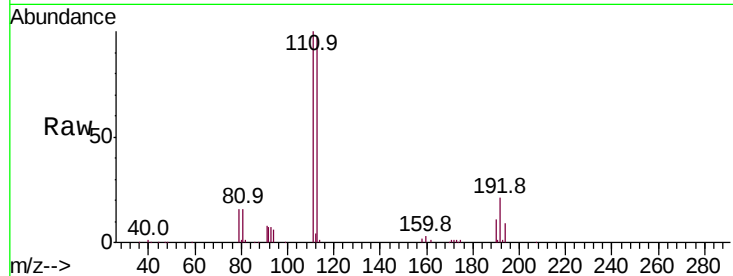




#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

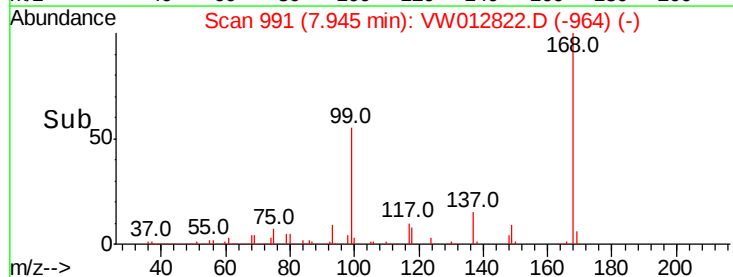
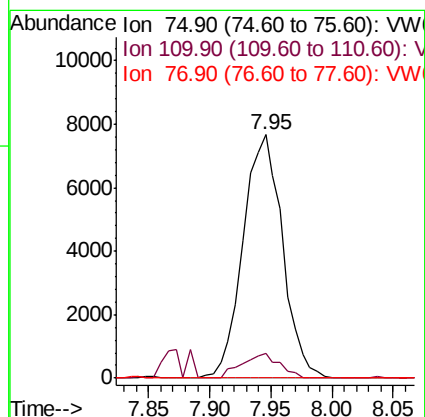
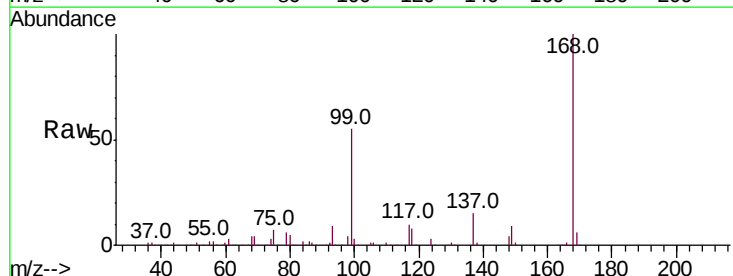
Instrument :
MSVOA_W
ClientSampleId :

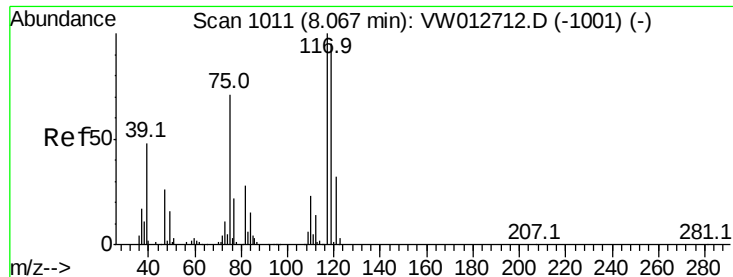
Tot Ion:113 Resp: 100155
Ion Ratio Lower Upper
113 100
111 103.7 80.2 120.4
192 22.8 17.3 25.9



#36
1,1-Dichloropropene
Concen: 5.639 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Tgt Ion: 75 Resp: 17125
Ion Ratio Lower Upper
75 100
110 9.6 15.9 47.7#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.221 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

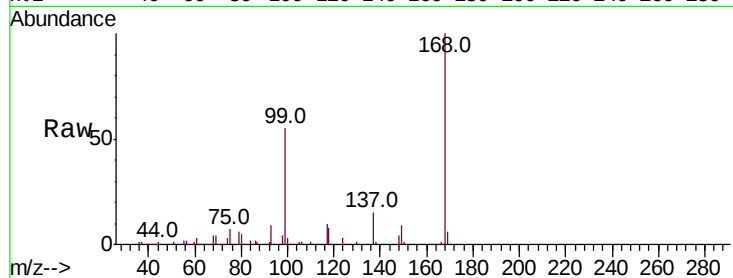
Tot Ion:117 Resp: 21615

Ion Ratio Lower Upper

117 100

119 3.5 76.2 114.2#

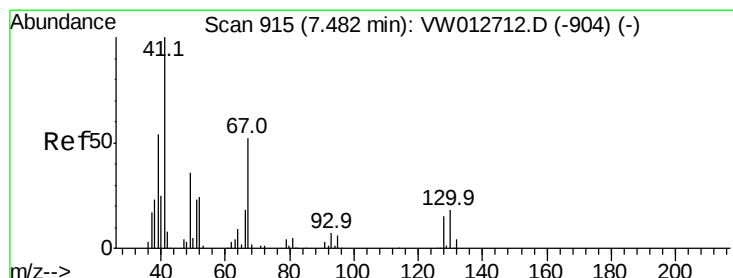
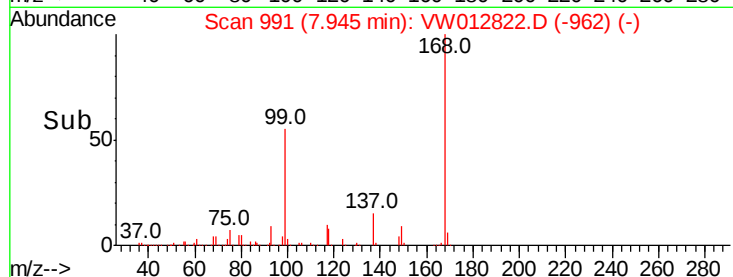
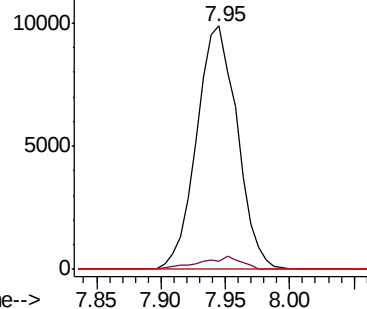
121 0.0 25.4 38.2#



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: 3.856 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

Tgt Ion: 41 Resp: 25

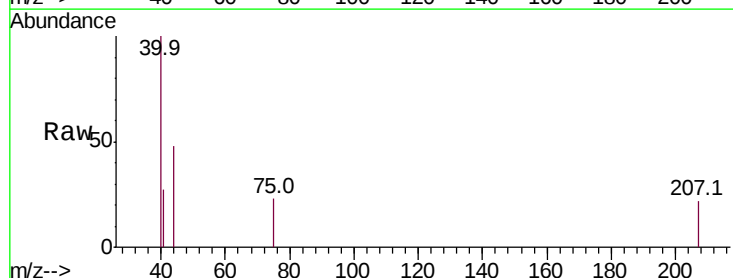
Ion Ratio Lower Upper

41 100

39 176.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

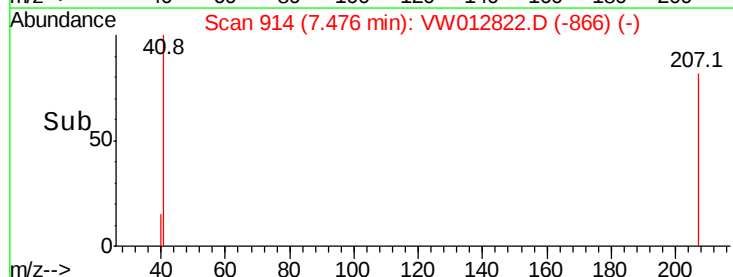
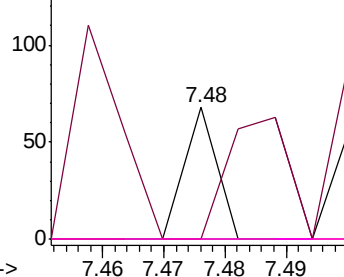


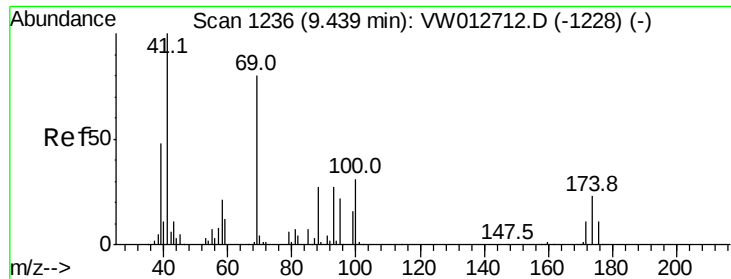
Abundance Ion 41.00 (40.70 to 41.70): VW

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

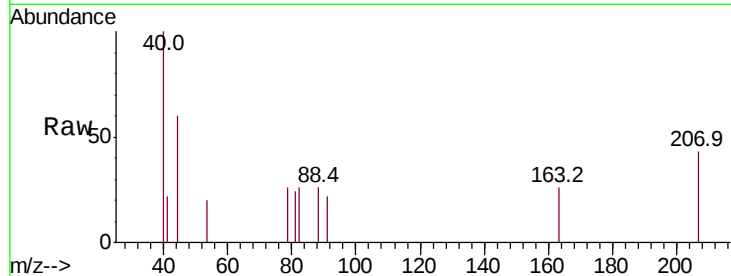




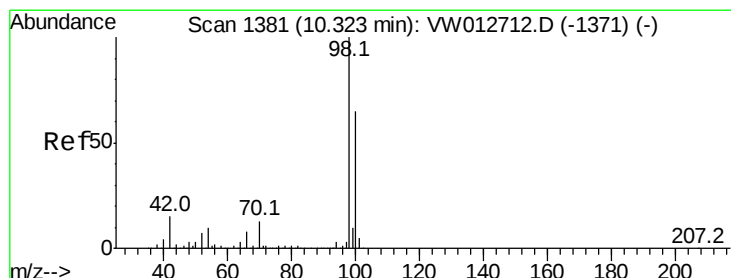
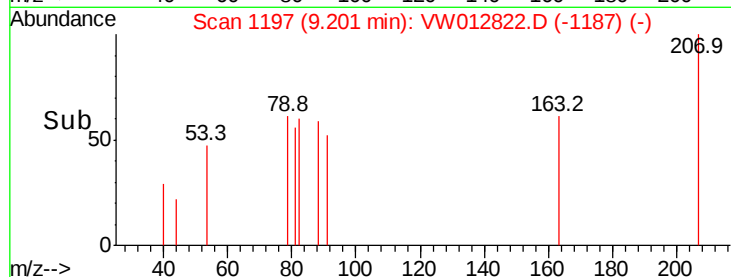
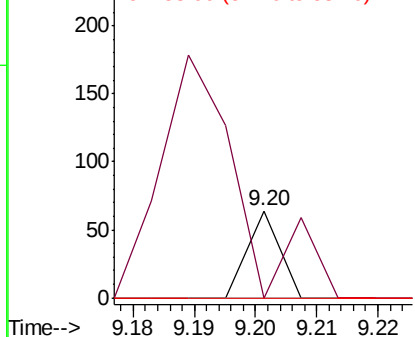
#49
1,4-Dioxane
Concen: 1.052 ug/l
RT: 9.20 min Scan# 1197
Delta R.T. -0.24 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 691.3 34.8 52.2#
58 0.0 64.1 96.1#

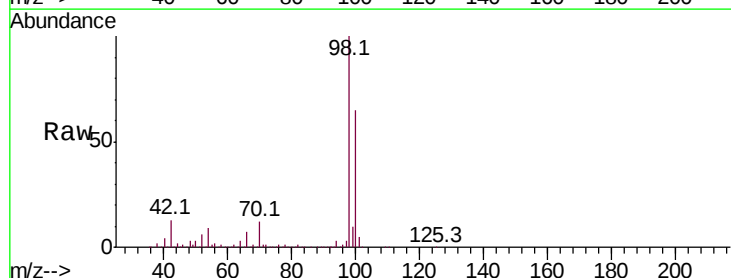


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

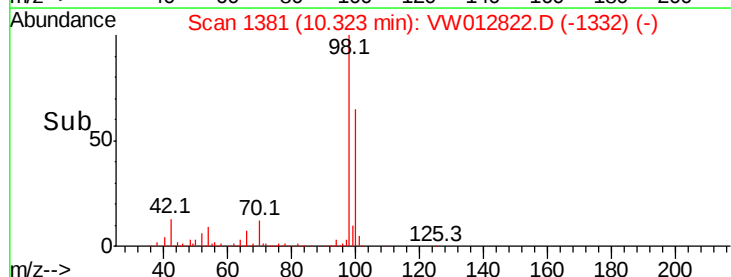
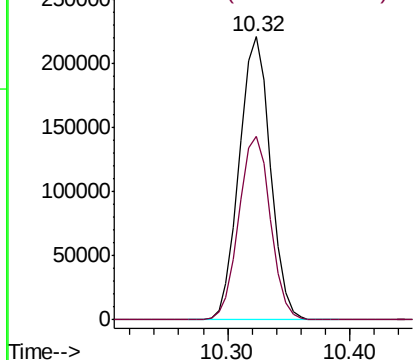


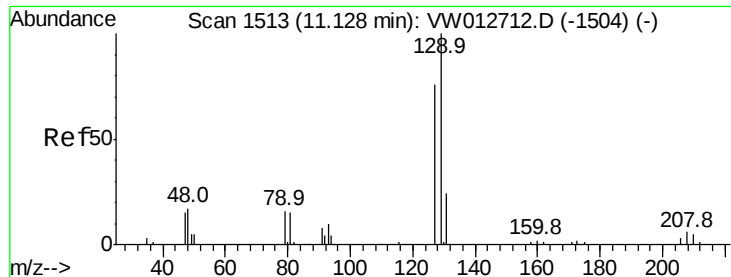
#50
Toluene-d8
Concen: 49.178 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Tgt Ion: 98 Resp: 391489
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#60

Dibromochloromethane

Concen: 2.128 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

Instrument :

MSVOA_W

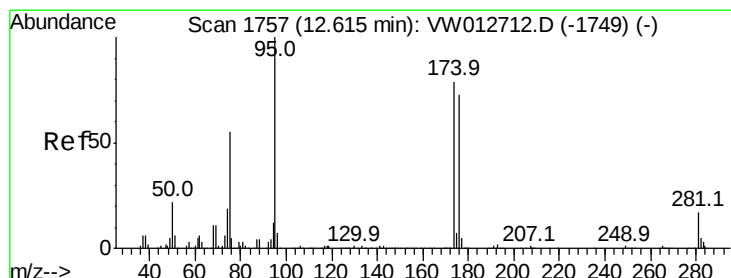
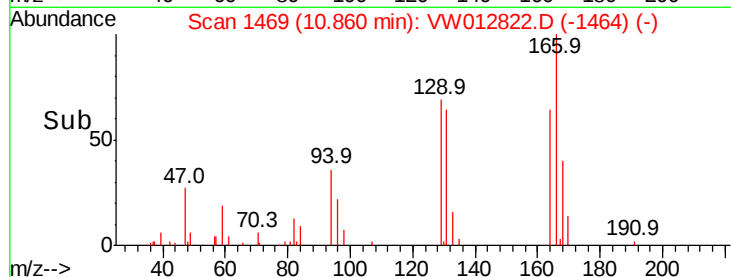
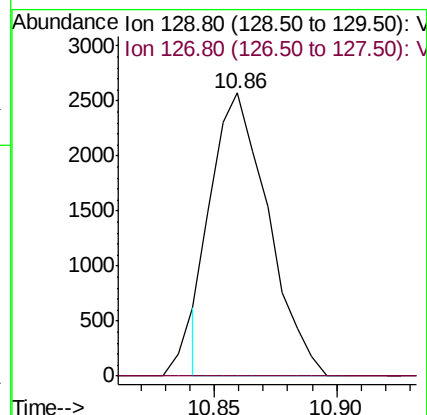
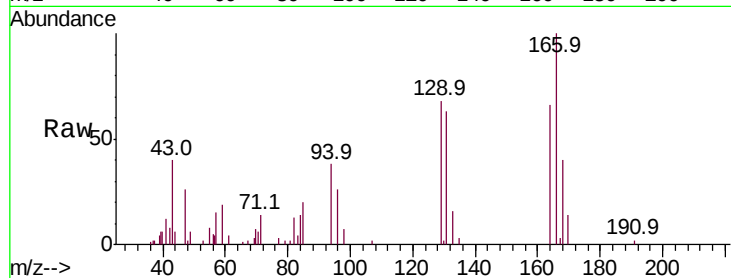
ClientSampleId :

Tot Ion:129 Resp: 4147

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 38.750 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

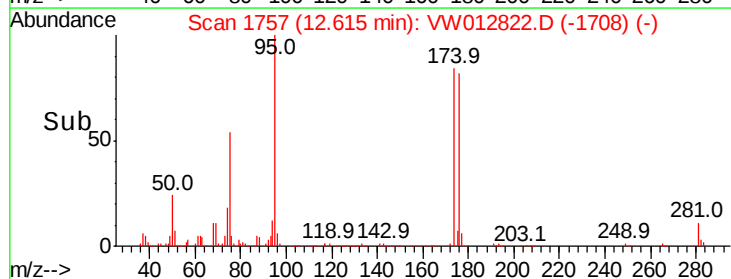
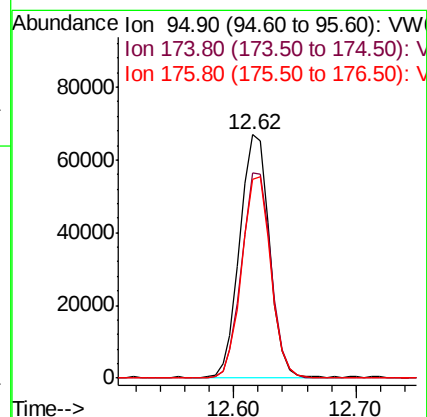
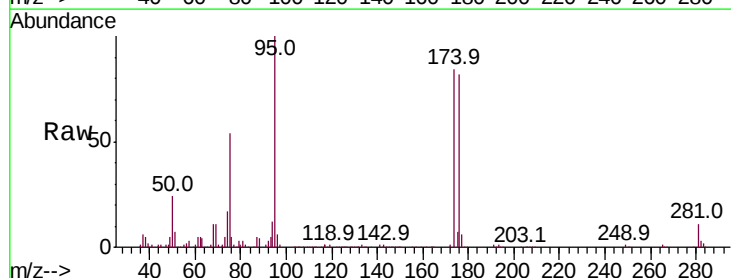
Tgt Ion: 95 Resp: 111987

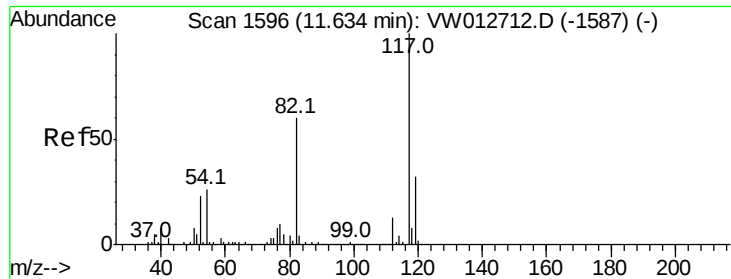
Ion Ratio Lower Upper

95 100

174 83.8 0.0 161.0

176 81.2 0.0 156.4

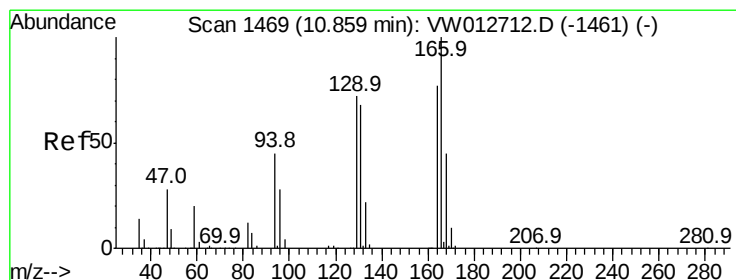
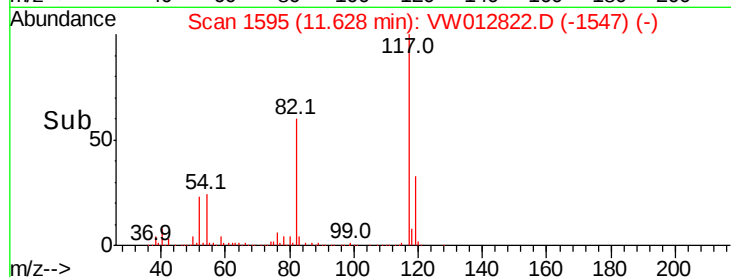
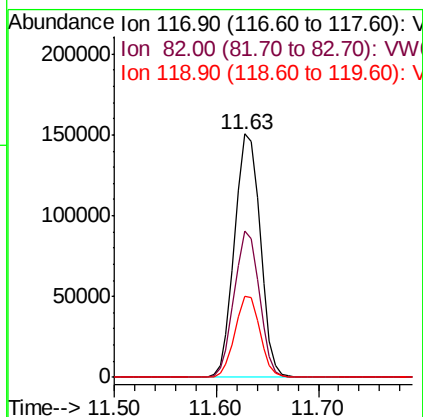
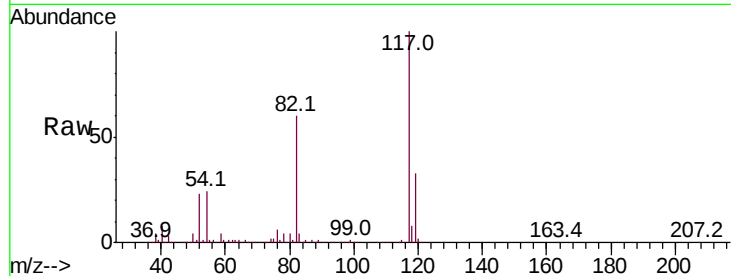




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

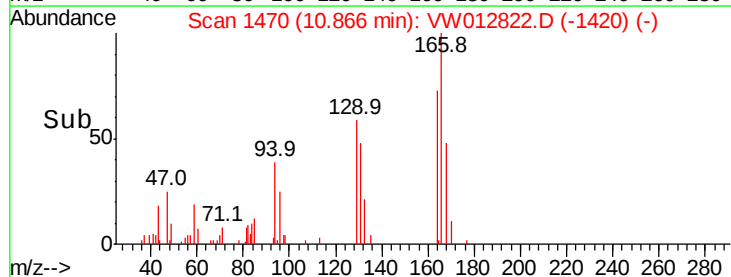
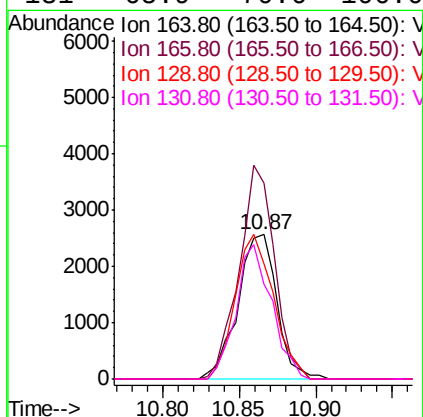
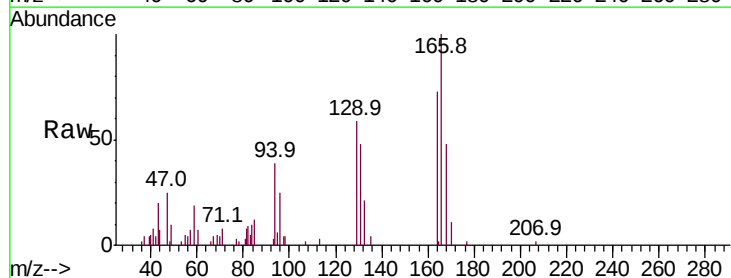
Instrument :
MSVOA_W
ClientSampleId :

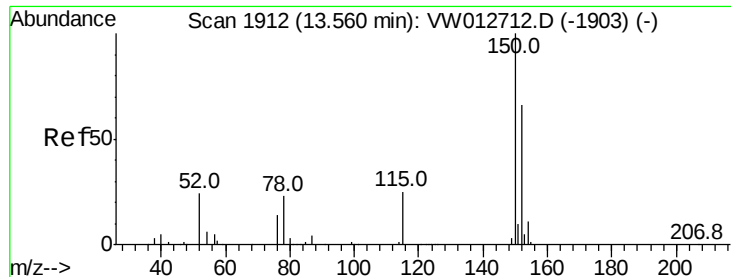
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.2	72.4
119	33.2	25.8	38.6



#64
Tetrachloroethene
Concen: 2.851 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	103.6	155.4
129	79.9	74.6	112.0
131	65.9	70.6	106.0



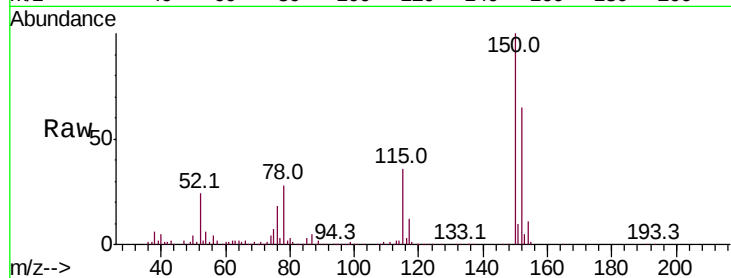


#72

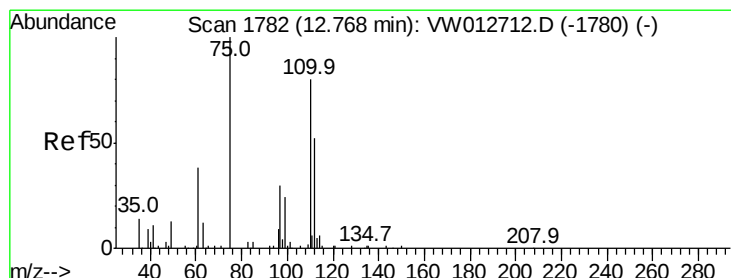
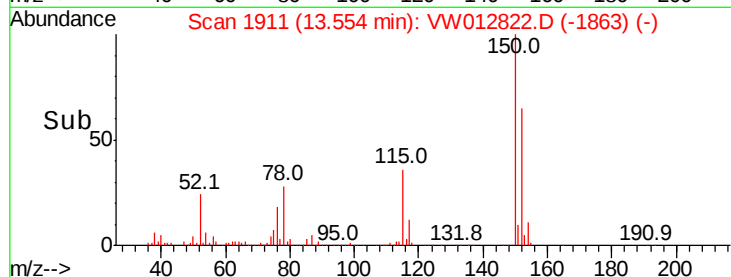
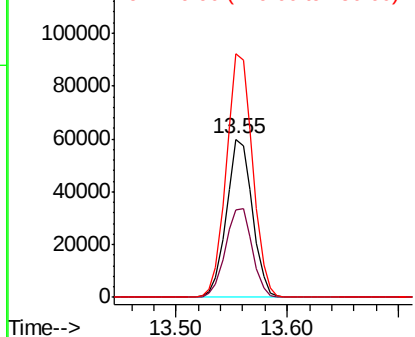
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 96021
Ion Ratio Lower Upper
152 100
115 58.3 30.0 90.1
150 156.6 0.0 349.0



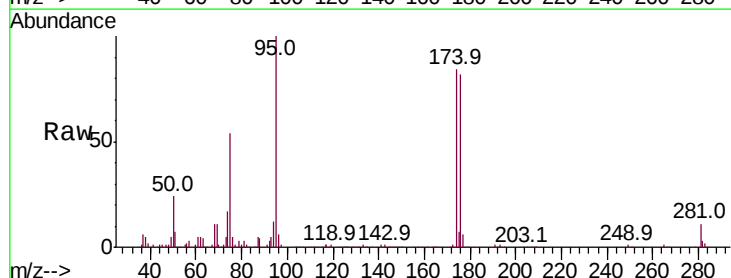
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



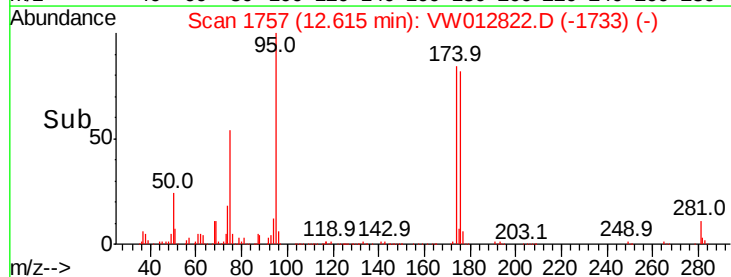
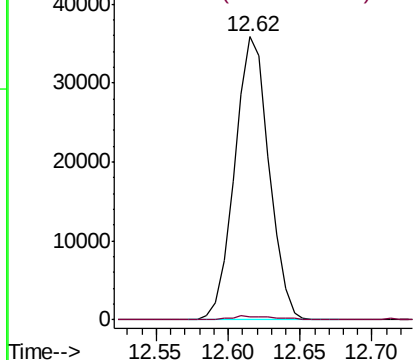
#76

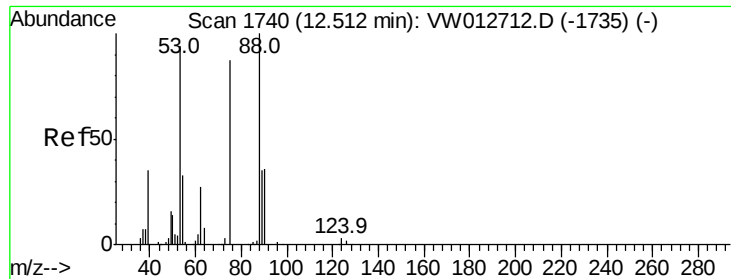
1,2,3-Trichloropropane
Concen: 60.461 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012822.D
Acq: 09 Sep 2019 15:33

Tgt Ion: 75 Resp: 59364
Ion Ratio Lower Upper
75 100
77 1.9 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: 127.879 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

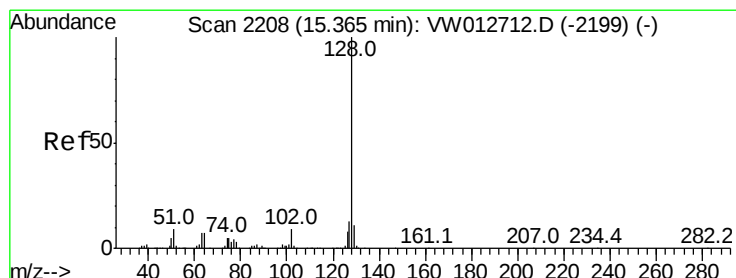
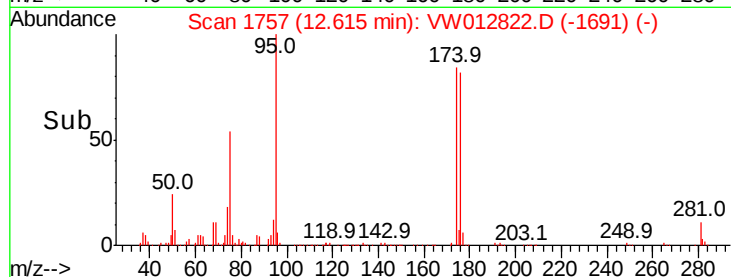
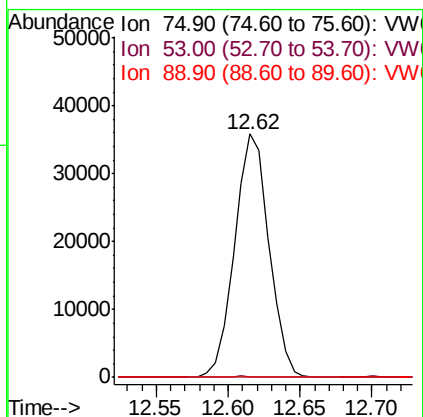
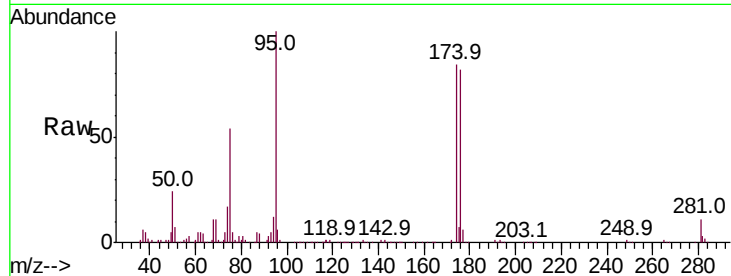
Tot Ion: 75 Resp: 59364

Ion Ratio Lower Upper

75 100

53 0.4 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.573 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012822.D

Acq: 09 Sep 2019 15:33

Tgt Ion: 128 Resp: 594

Ion Ratio Lower Upper

128 100

127 16.2 10.7 16.1#

129 8.8 8.7 13.1

