

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012030.D
 Acq On : 20 Aug 2019 14:35
 Operator : SY/VA
 Sample : K4388-14
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 20 17:51:13 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	248569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93437	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	145906	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.88	113	120583	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	10.32	98	419524	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	
62) 4-Bromofluorobenzene	12.62	95	118259	34.17	ug/l	0.00
Spiked Amount			Recovery	=	68.34%	

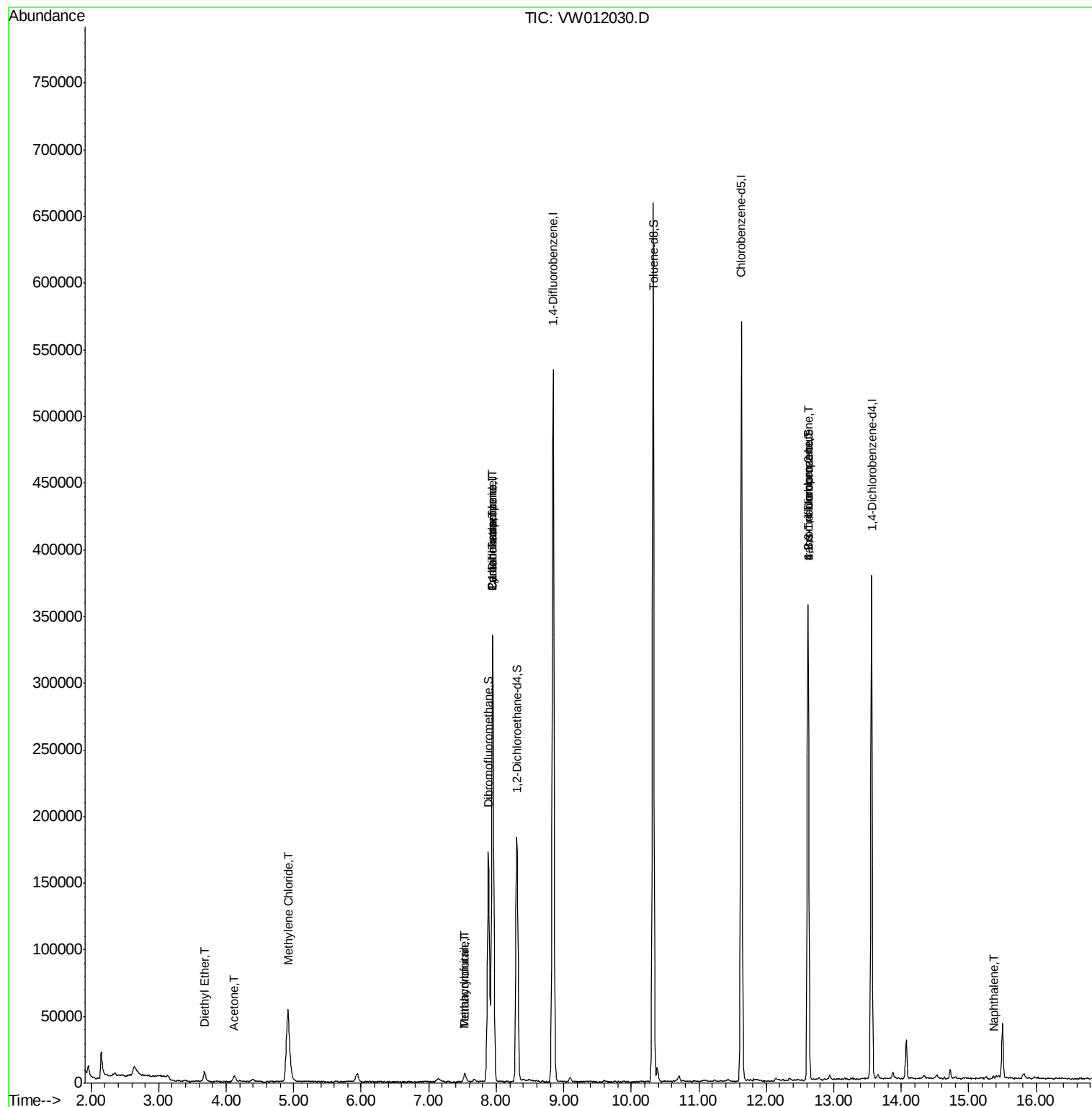
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3457	2.359	ug/l	91
11) Tert butyl alcohol	5.17	59	817	Below Cal	#	72
16) Acetone	4.12	43	8826	9.721	ug/l	99
20) Methylene Chloride	4.92	84	42435	13.552	ug/l	95
29) Tetrahydrofuran	7.53	42	5528	8.140	ug/l	97
31) Cyclohexane	7.95	56	6183	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20972	4.772	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24962	6.635	ug/l #	16
41) Methacrylonitrile	7.54	41	3510	2.322	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	61461	62.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61461	143.269	ug/l #	6
95) Naphthalene	15.36	128	1482	2.451	ug/l #	94

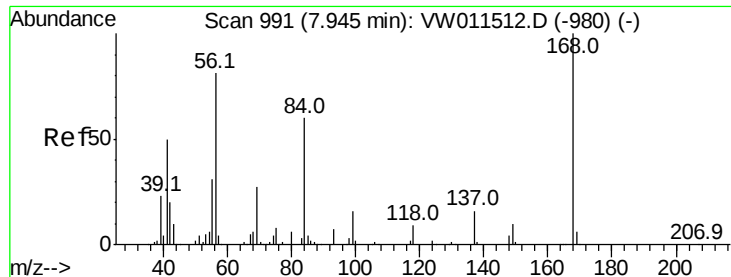
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 992

Delta R.T. 0.01 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

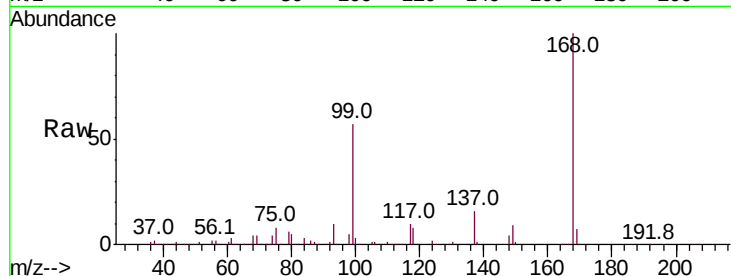
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 248569

Ion Ratio Lower Upper

168 100

99 57.2 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

120000

100000

80000

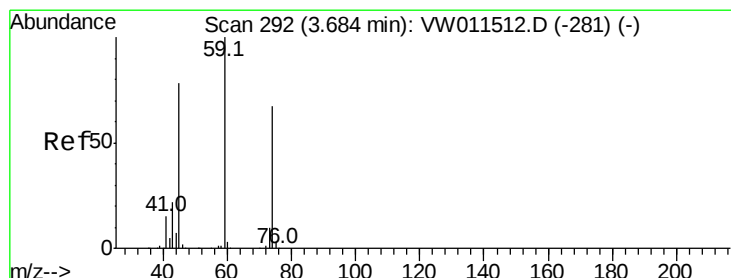
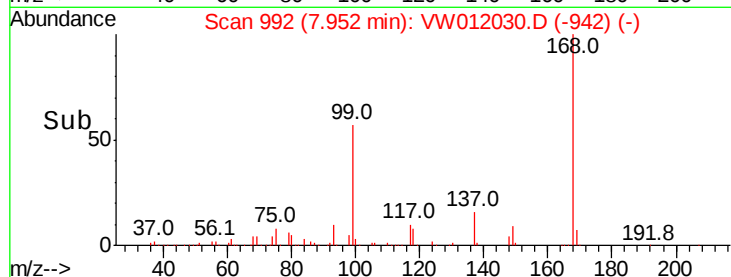
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.359 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012030.D

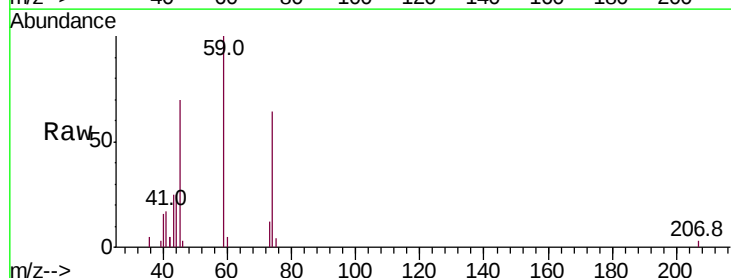
Acq: 20 Aug 2019 14:35

Tgt Ion: 74 Resp: 3457

Ion Ratio Lower Upper

74 100

45 129.7 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

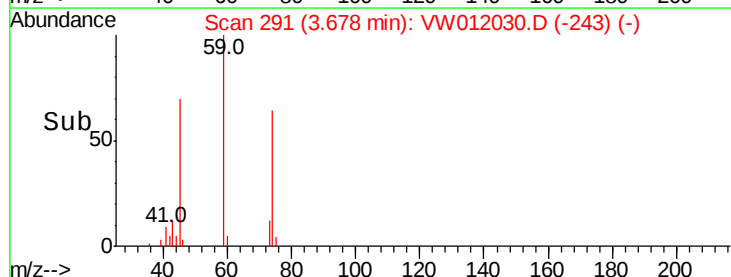
1500

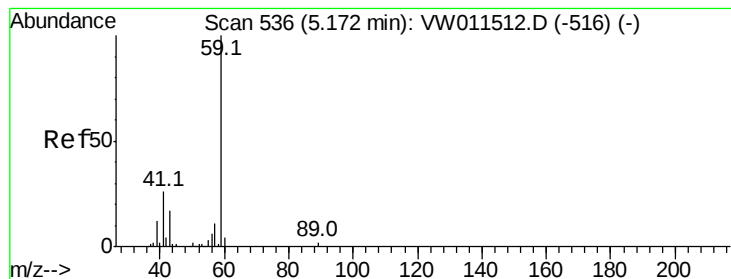
1000

500

0

Time--> 3.60 3.65 3.70 3.75



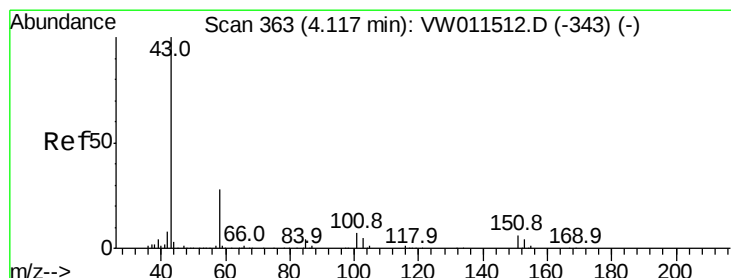
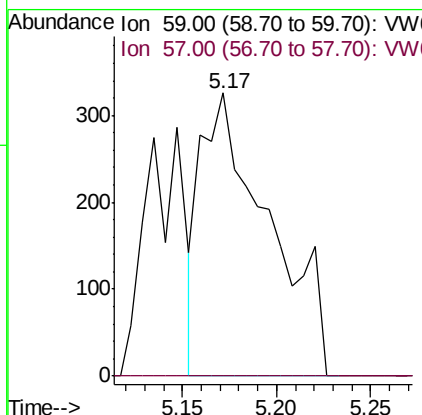
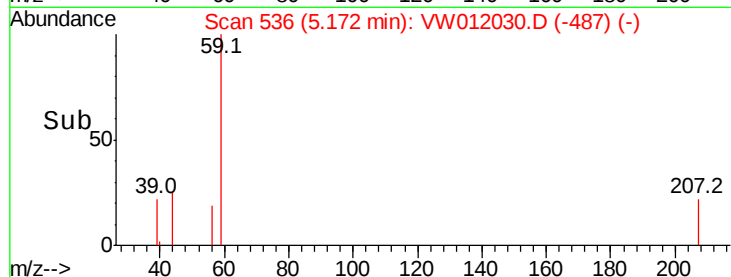
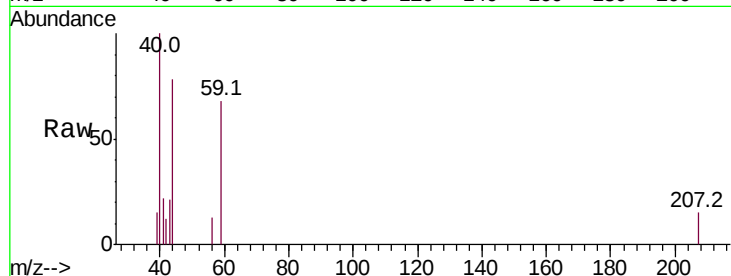


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012030.D
 Acq: 20 Aug 2019 14:35

Instrument :
 MSVOA_W
 ClientSampled :

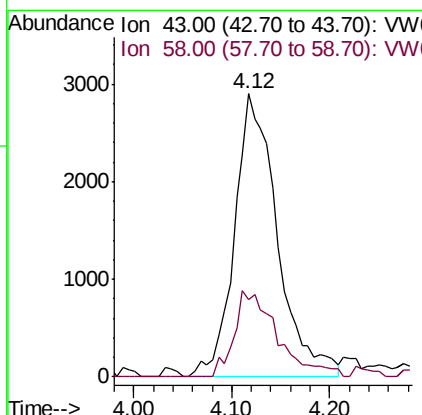
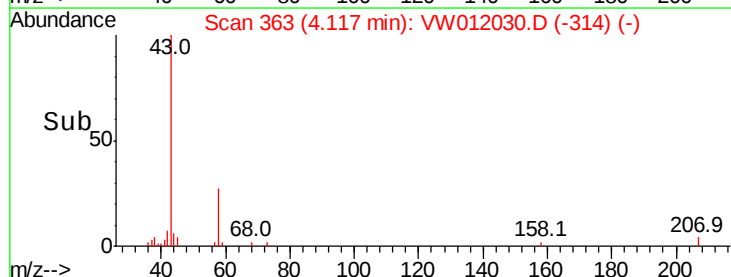
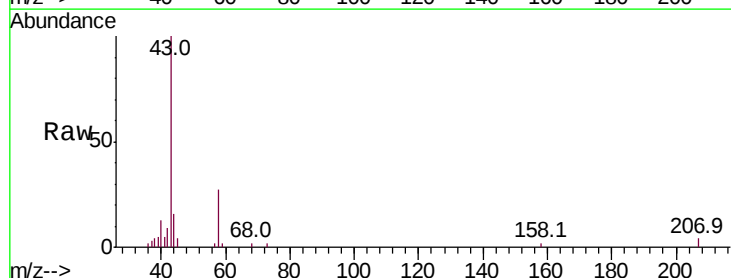
Tot Ion: 59 Resp: 817
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

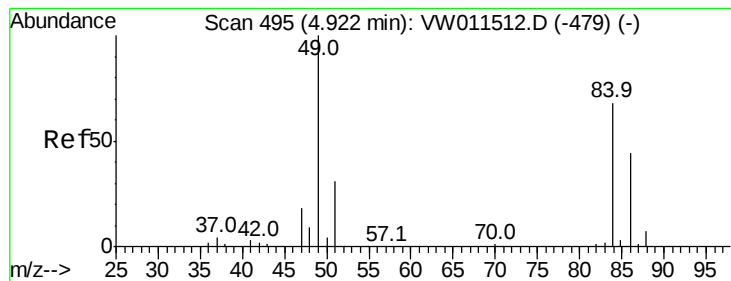


#16

Acetone
 Concen: 9.721 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW012030.D
 Acq: 20 Aug 2019 14:35

Tgt Ion: 43 Resp: 8826
 Ion Ratio Lower Upper
 43 100
 58 27.4 22.3 33.5





#20

Methylene Chloride

Concen: 13.552 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 42435

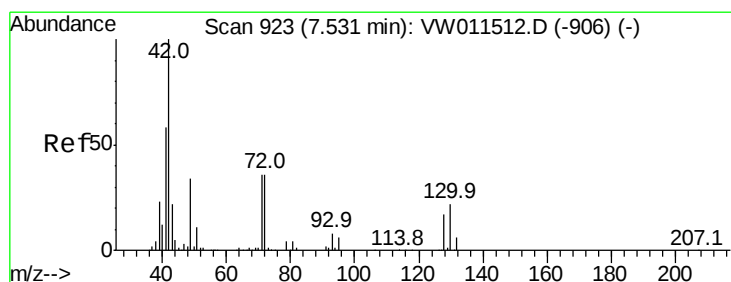
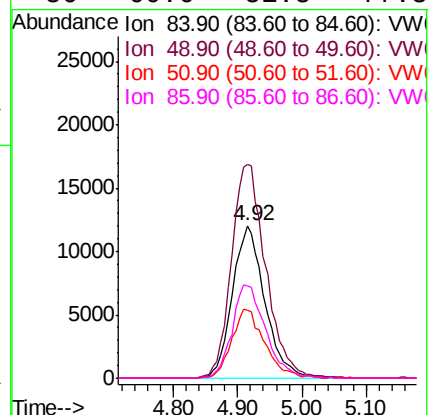
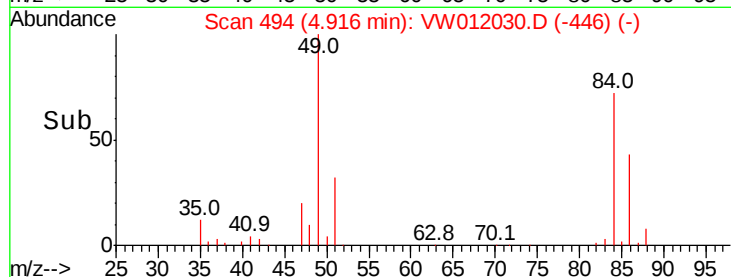
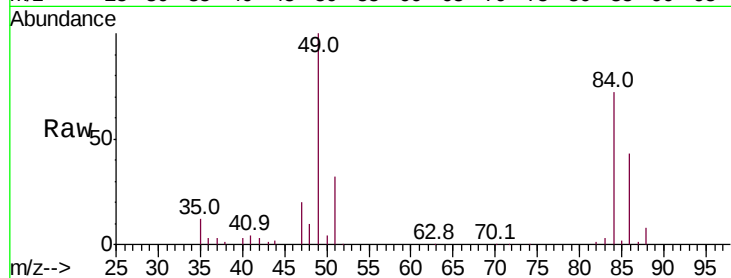
Ion Ratio Lower Upper

84 100

49 139.8 117.8 176.6

51 44.3 37.0 55.4

86 60.6 51.8 77.8



#29

Tetrahydrofuran

Concen: 8.140 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

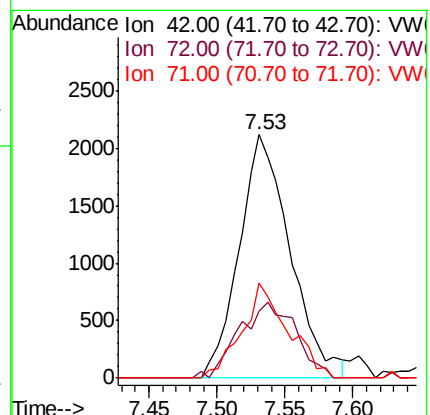
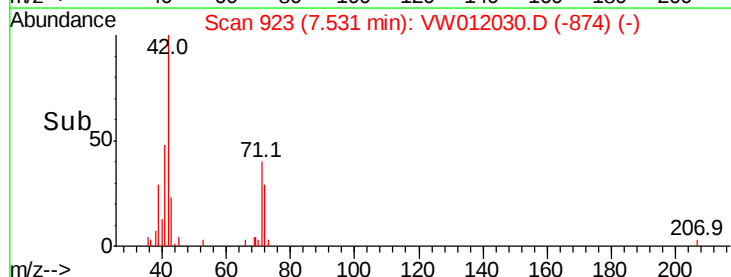
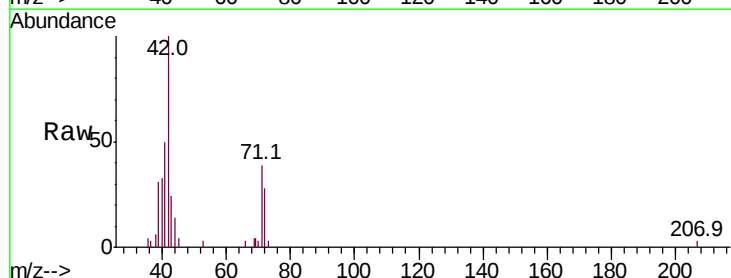
Tgt Ion: 42 Resp: 5528

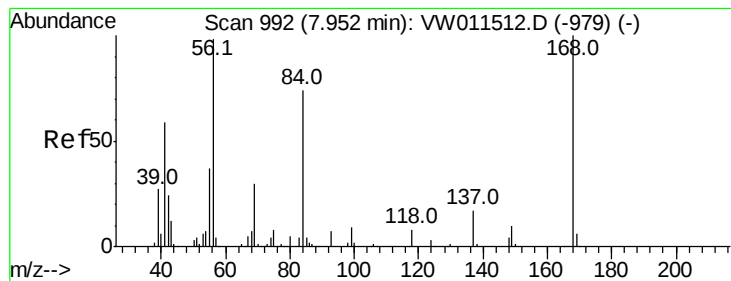
Ion Ratio Lower Upper

42 100

72 34.8 27.1 40.7

71 35.1 26.2 39.4





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Instrument :

MSVOA_W

ClientSampled :

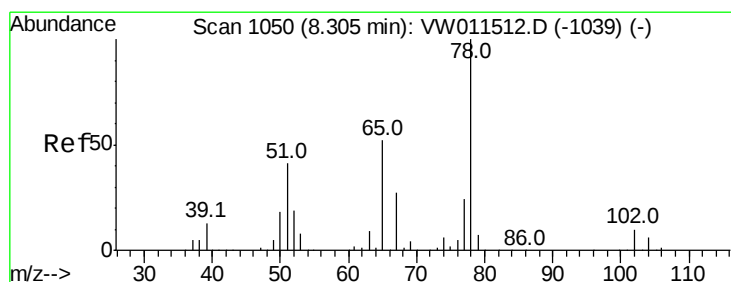
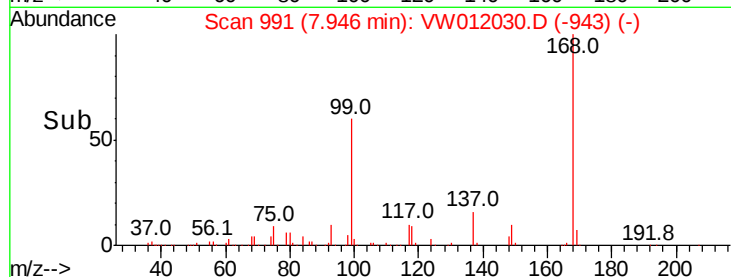
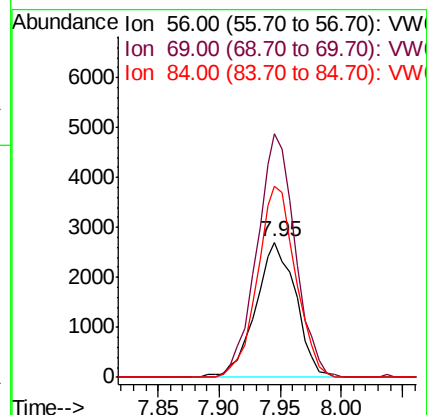
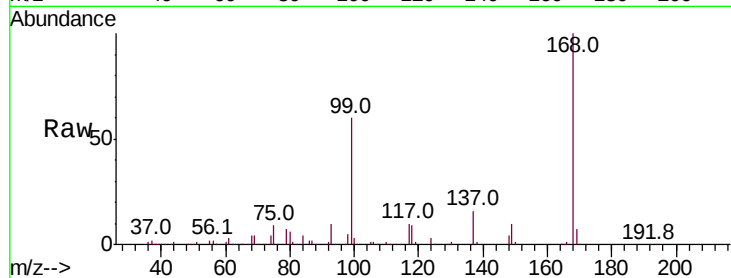
Tot Ion: 56 Resp: 6183

Ion Ratio Lower Upper

56 100

69 180.2 24.3 36.5#

84 141.9 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 51.119 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012030.D

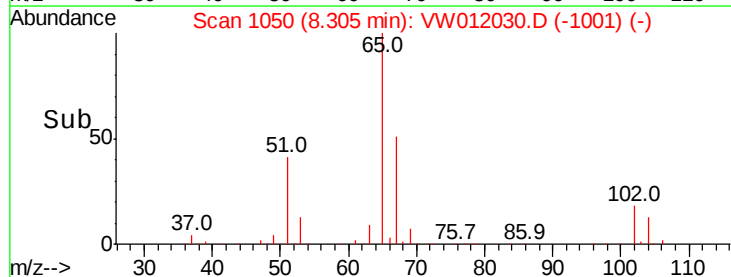
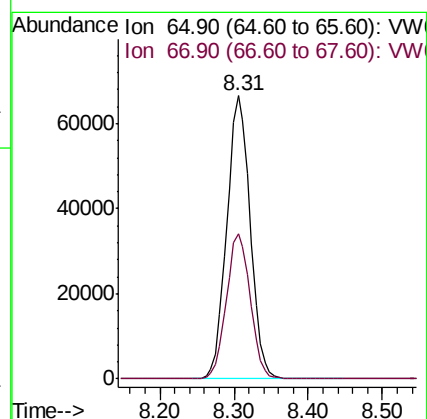
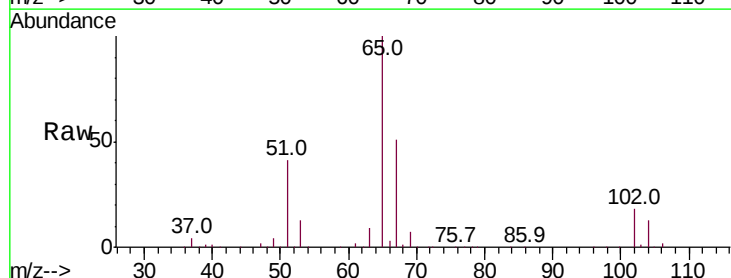
Acq: 20 Aug 2019 14:35

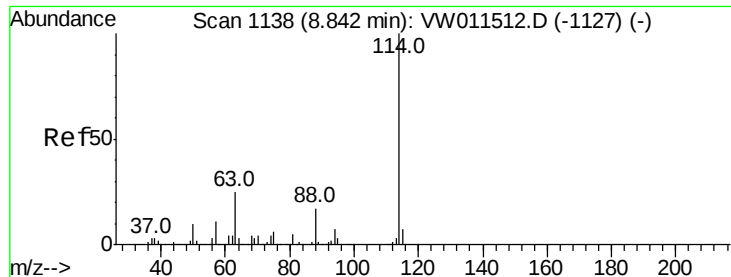
Tgt Ion: 65 Resp: 145906

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.2

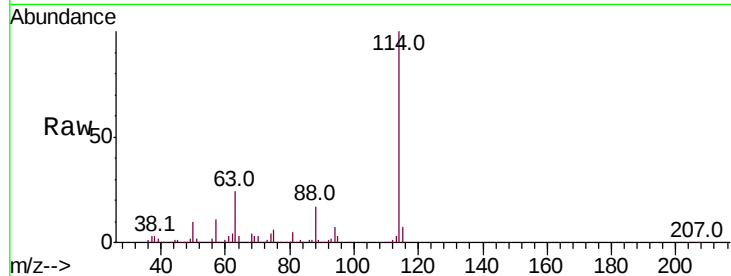




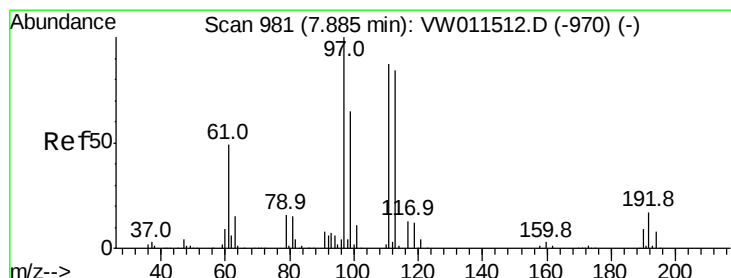
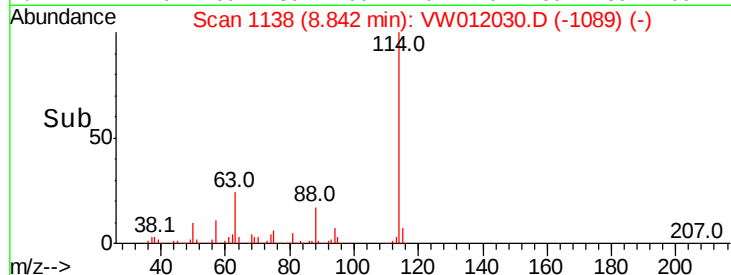
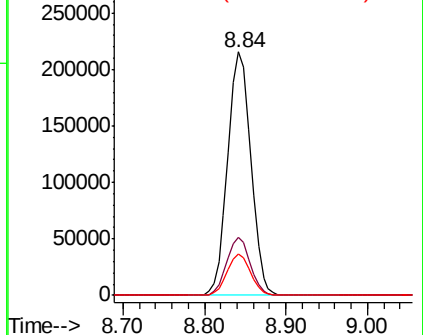
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 422634
Ion Ratio Lower Upper
114 100
63 24.0 0.0 49.2
88 17.2 0.0 33.8

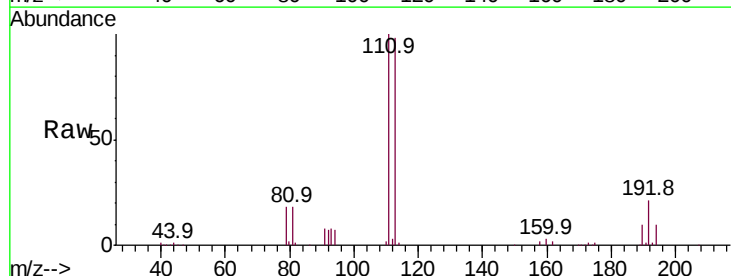


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

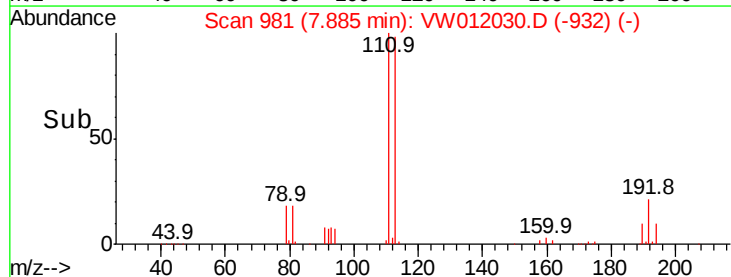
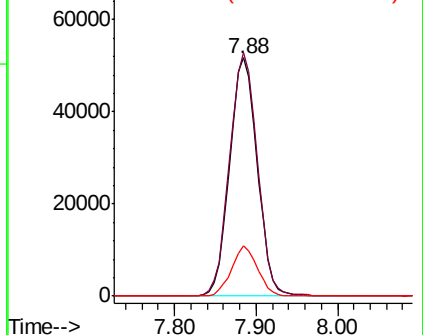


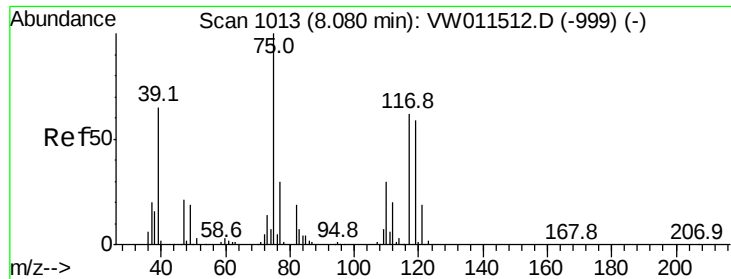
#35
Dibromofluoromethane
Concen: 50.856 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

Tgt Ion:113 Resp: 120583
Ion Ratio Lower Upper
113 100
111 102.8 82.7 124.1
192 19.9 16.1 24.1



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: 4.772 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

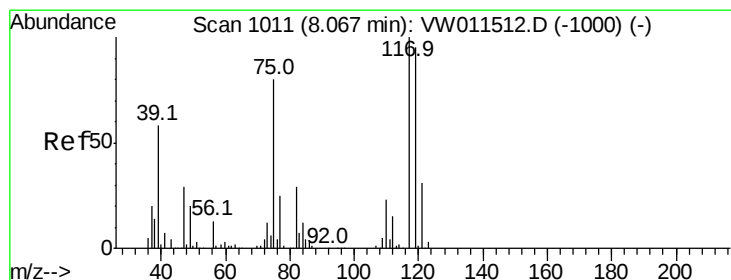
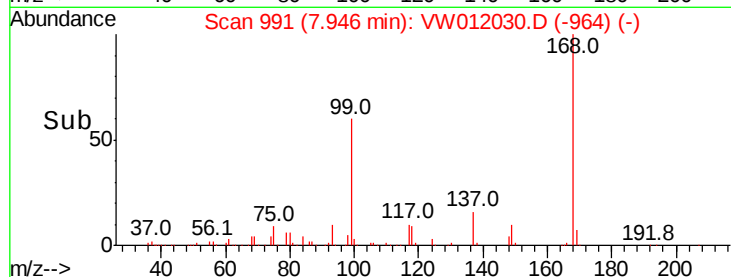
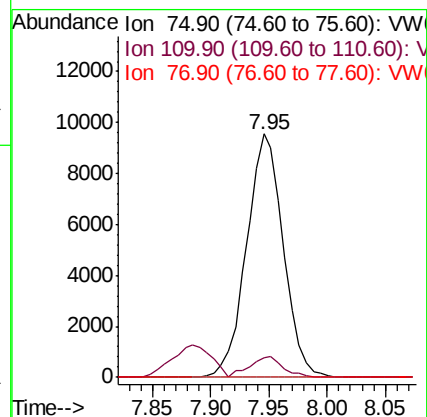
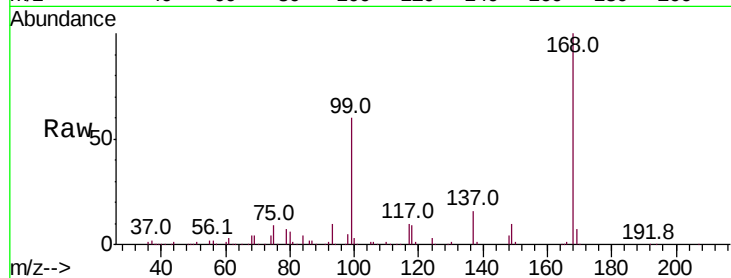
Tot Ion: 75 Resp: 20972

Ion Ratio Lower Upper

75 100

110 7.9 15.6 46.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.635 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

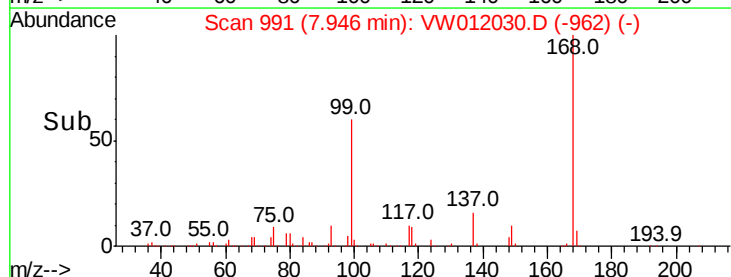
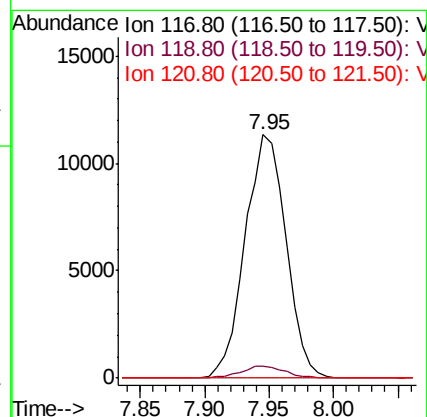
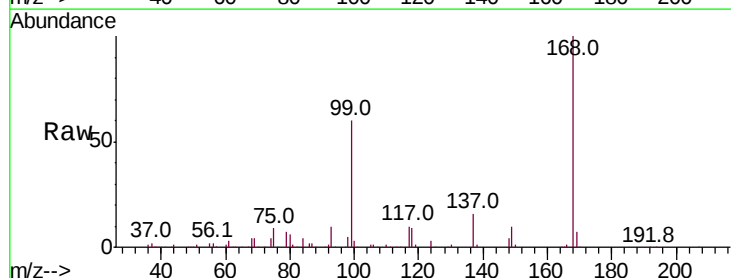
Tgt Ion: 117 Resp: 24962

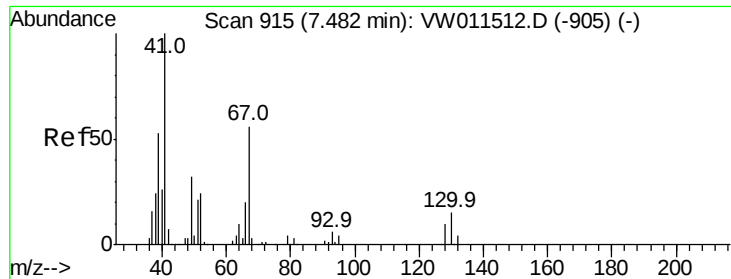
Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

121 0.0 24.7 37.1#

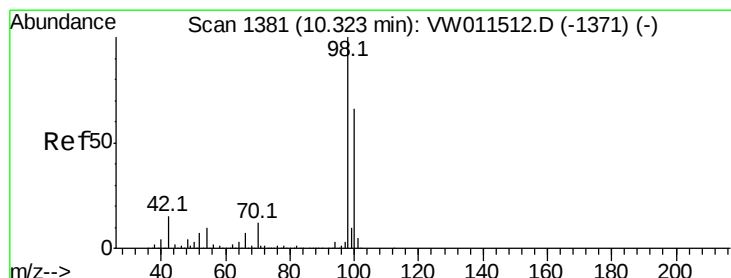
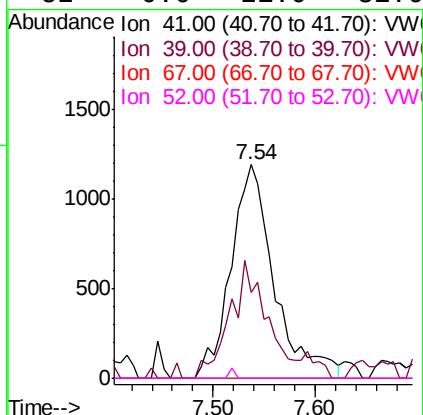
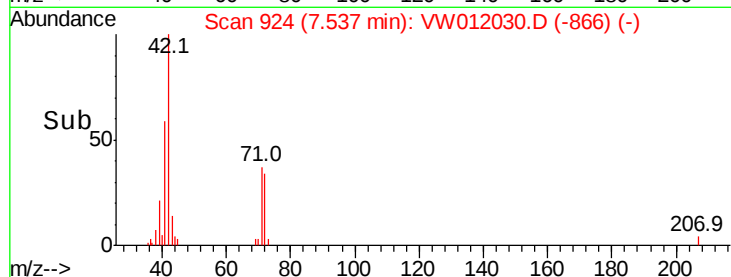
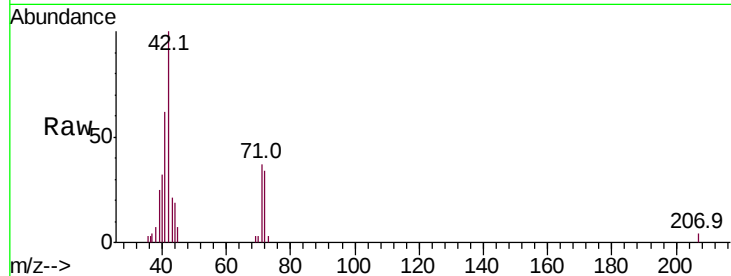




#41
Methacrylonitrile
Concen: 2.322 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

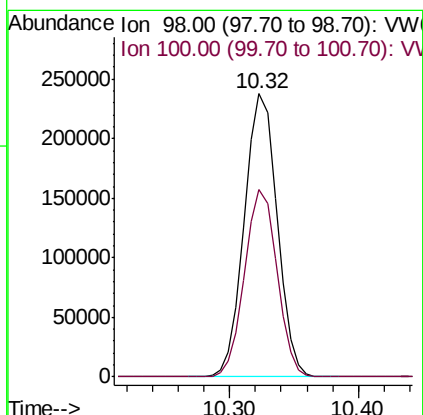
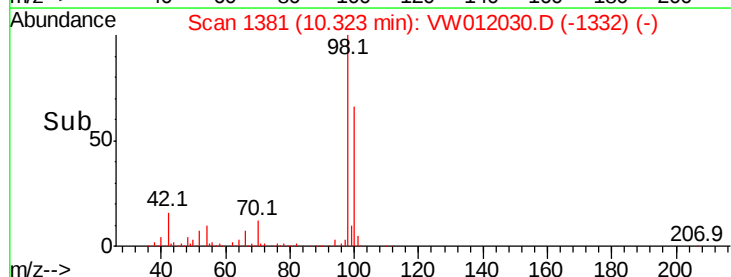
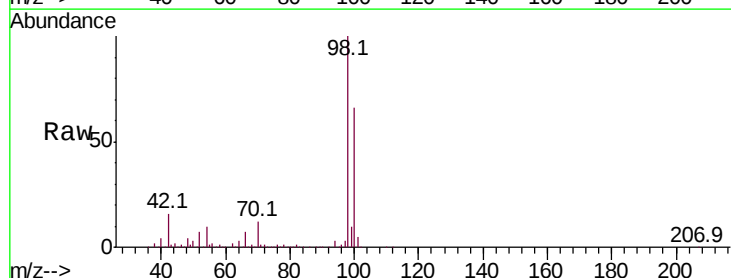
Instrument :
MSVOA_W
ClientSampleId :

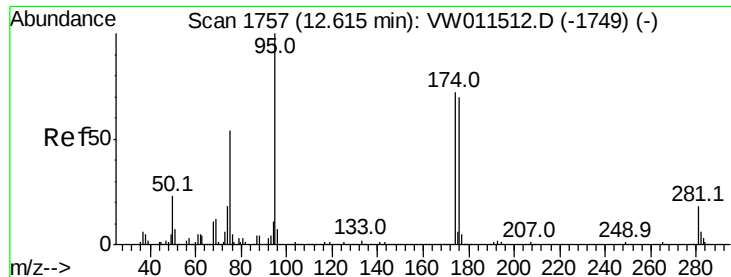
Tot Ion	Ratio	Lower	Upper
41	100		
39	46.5	43.0	64.4
67	0.0	47.5	71.3#
52	0.6	21.0	31.6#



#50
Toluene-d8
Concen: 43.215 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

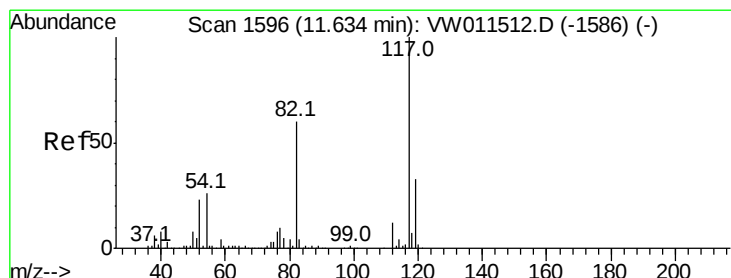
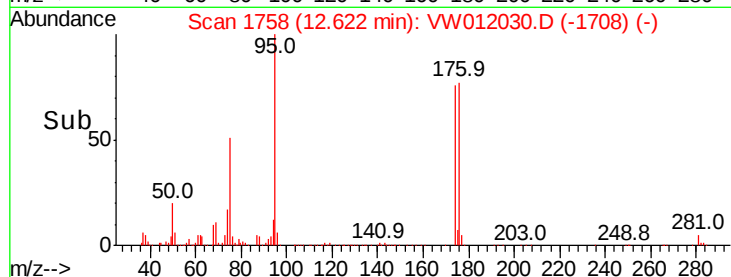
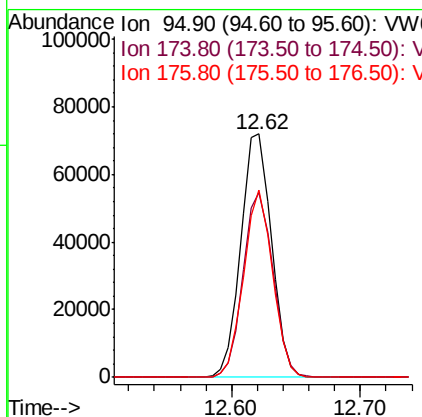
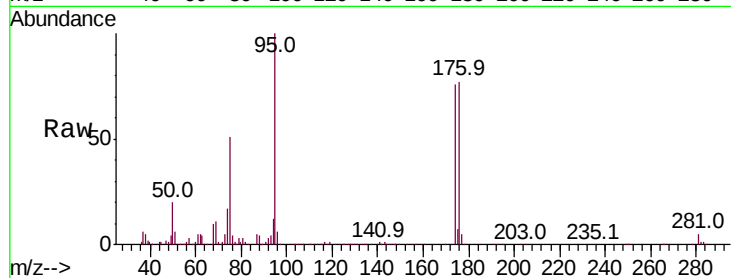




#62
4-Bromofluorobenzene
Concen: 34.169 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

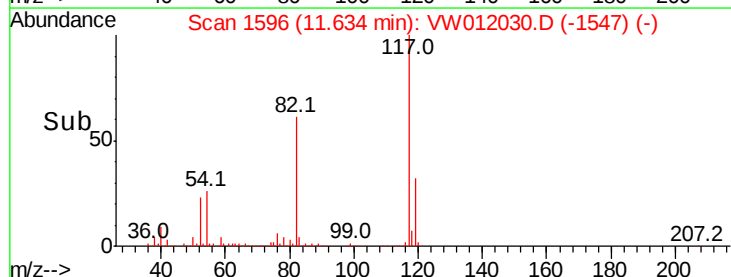
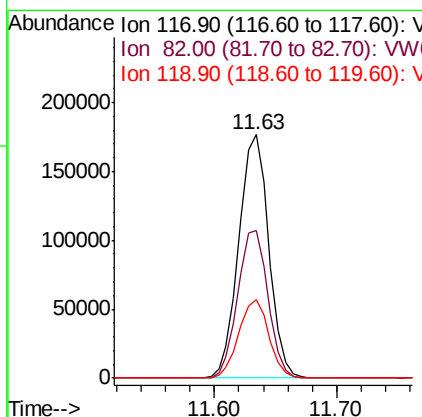
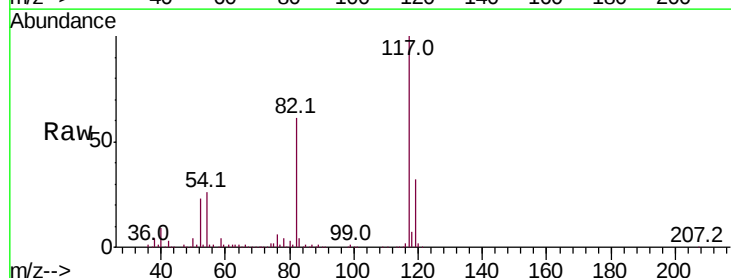
Instrument :
MSVOA_W
ClientSampled :

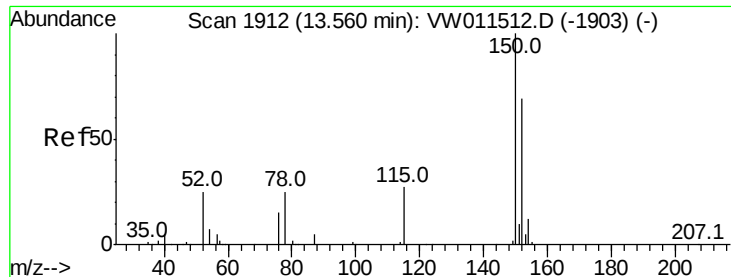
Tot Ion: 95 Resp: 118259
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.2
176 72.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012030.D
Acq: 20 Aug 2019 14:35

Tgt Ion: 117 Resp: 301258
Ion Ratio Lower Upper
117 100
82 60.5 47.9 71.9
119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

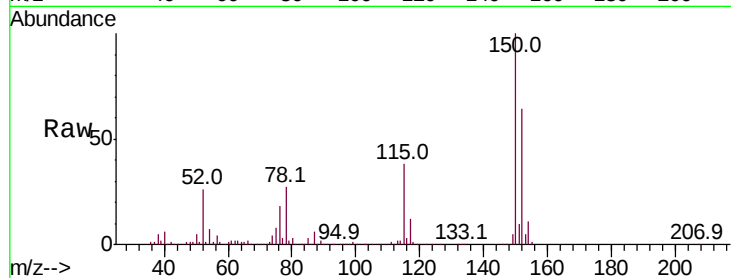
Tot Ion:152 Resp: 93437

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

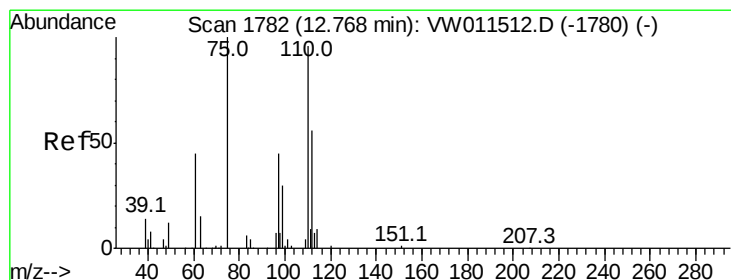
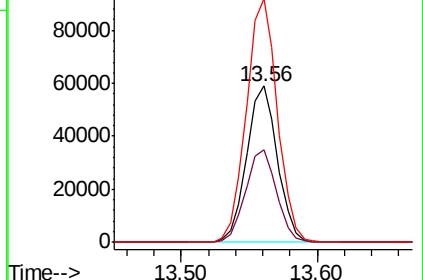
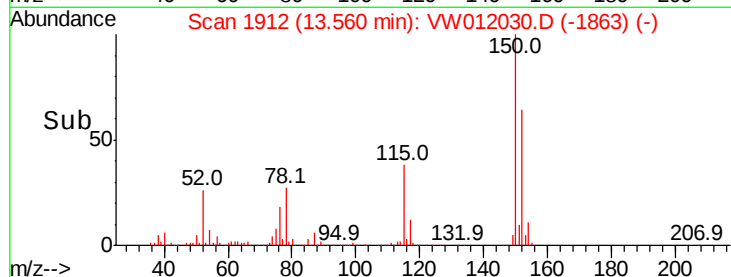
150 156.9 0.0 352.6



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: 62.165 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012030.D

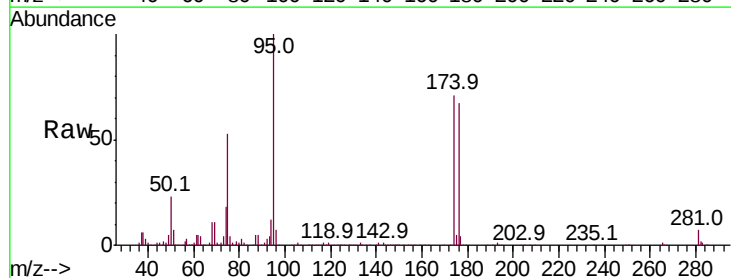
Acq: 20 Aug 2019 14:35

Tgt Ion: 75 Resp: 61461

Ion Ratio Lower Upper

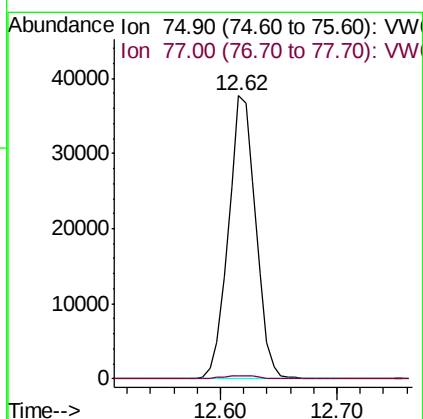
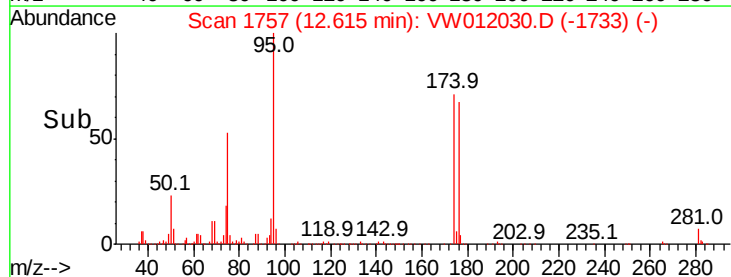
75 100

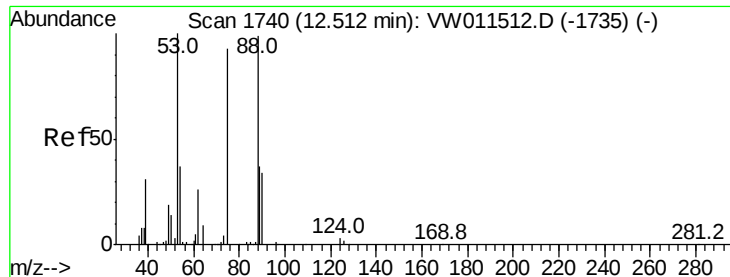
77 1.8 0.0 0.0#



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: 143.269 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

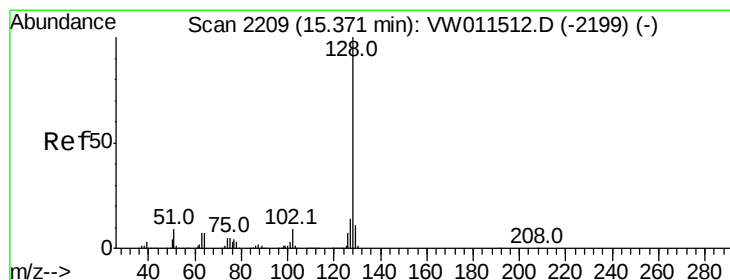
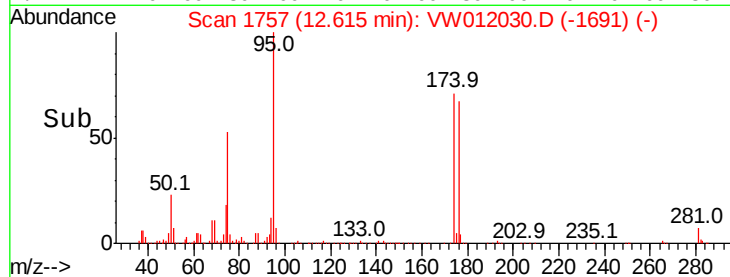
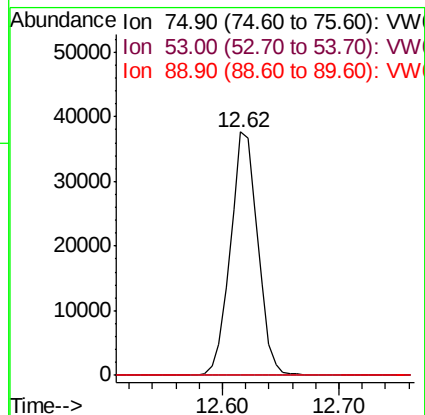
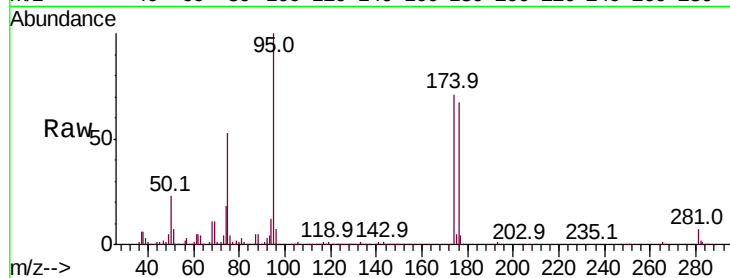
Tot Ion: 75 Resp: 61461

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#



#95

Naphthalene

Concen: 2.451 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012030.D

Acq: 20 Aug 2019 14:35

Tgt Ion: 128 Resp: 1482

Ion Ratio Lower Upper

128 100

127 15.5 10.6 16.0

129 13.0 8.6 13.0#

