

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011984.D
 Acq On : 19 Aug 2019 12:05
 Operator : SY/VA
 Sample : K4385-04
 Misc : 5.91G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 12:34:28 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	231225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	291843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	85181	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	143632	54.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.20%	
35) Dibromofluoromethane	7.88	113	118357	55.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.42%	
50) Toluene-d8	10.32	98	450917	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.62	95	124282	39.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.44%	

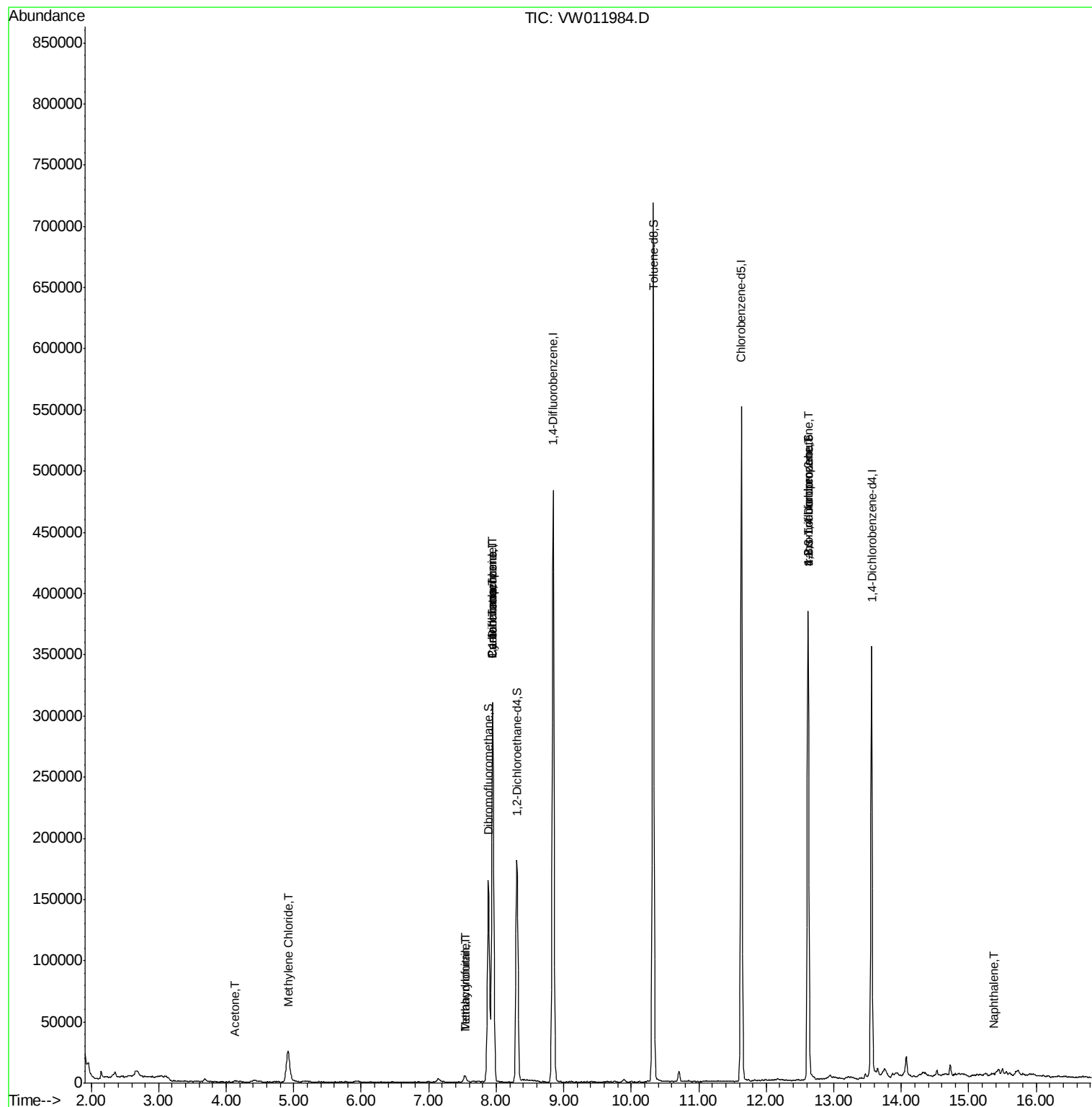
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1255	Below Cal	#	77
16) Acetone	4.13	43	1762	2.086	ug/l #	89
20) Methylene Chloride	4.92	84	20219	6.941	ug/l	99
29) Tetrahydrofuran	7.54	42	5073	8.030	ug/l	98
31) Cyclohexane	7.95	56	5600	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19295	4.856	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22354	6.572	ug/l #	18
41) Methacrylonitrile	7.53	41	3154	2.308	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	64238	71.272	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64238	164.256	ug/l #	7
95) Naphthalene	15.37	128	376	2.173	ug/l #	69

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

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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: VW011984.D

Acq: 19 Aug 2019 12:05

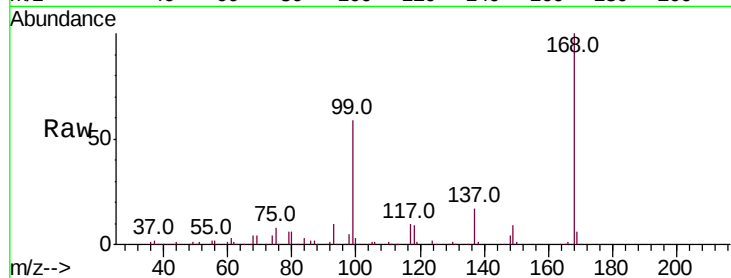
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 231225

Ion Ratio Lower Upper

168 100

99 58.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

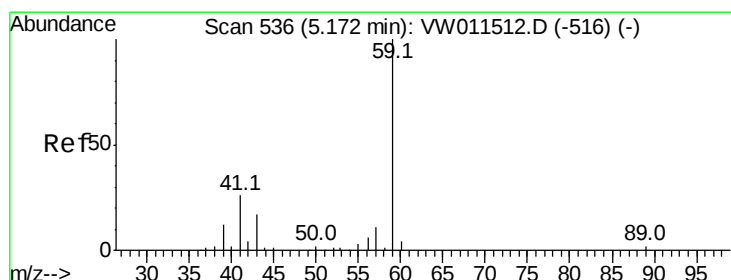
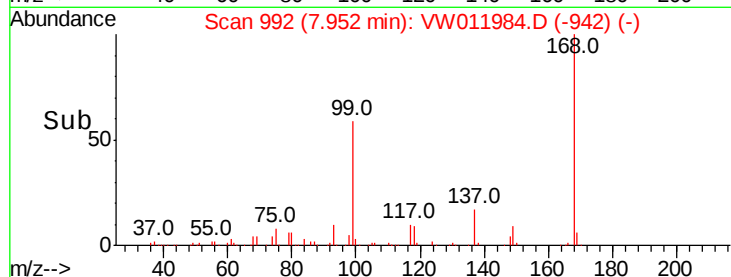
20000

0

7.95

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011984.D

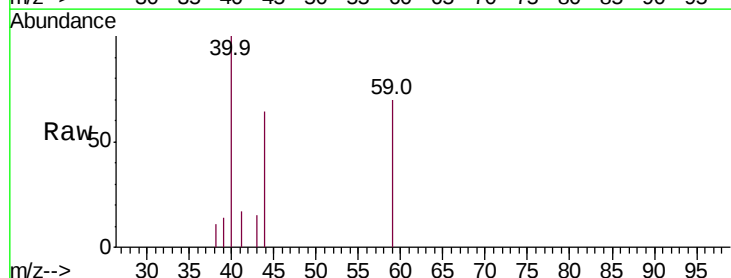
Acq: 19 Aug 2019 12:05

Tgt Ion: 59 Resp: 1255

Ion Ratio Lower Upper

59 100

57 2.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

400

300

200

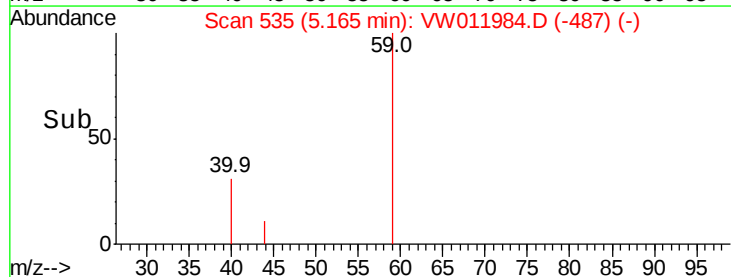
100

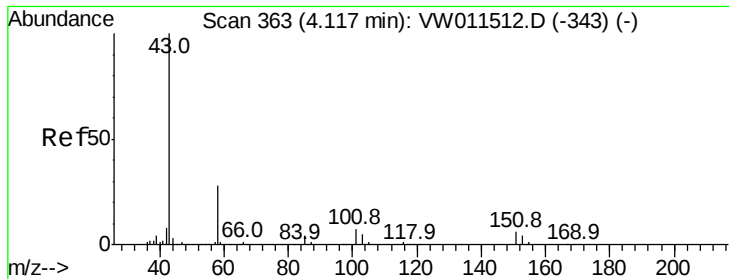
0

5.17

5.10 5.15 5.20 5.25

Time-->

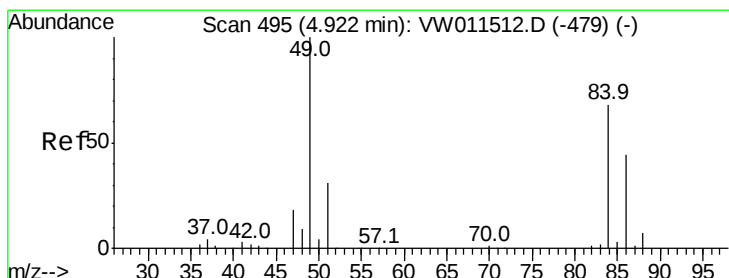
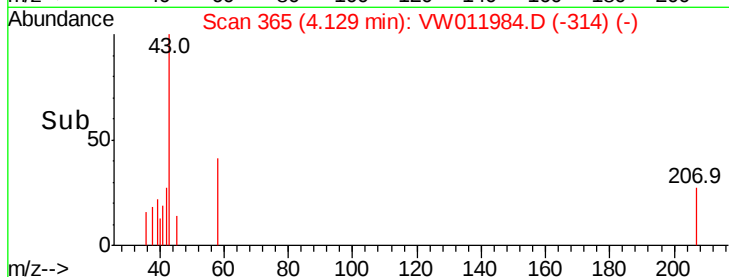
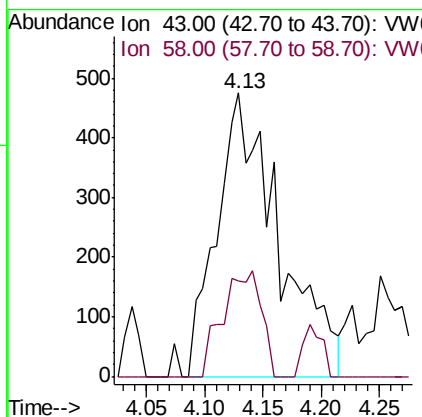
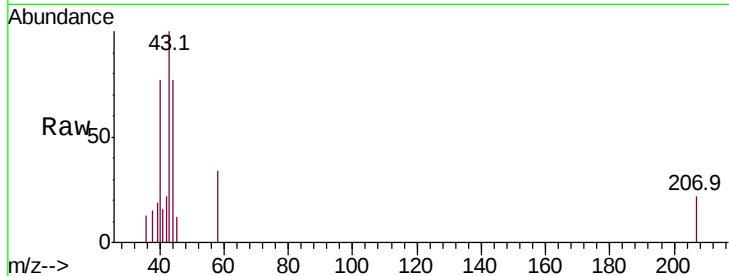




#16
Acetone
Concen: 2.086 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW011984.D
Acq: 19 Aug 2019 12:05

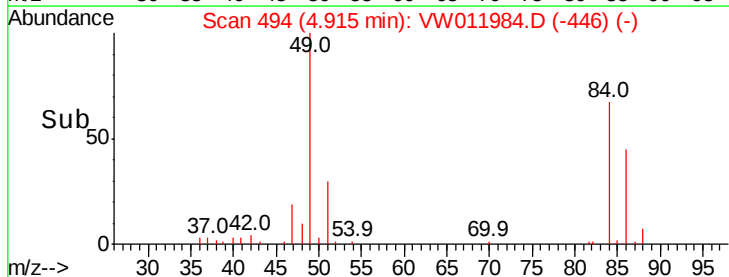
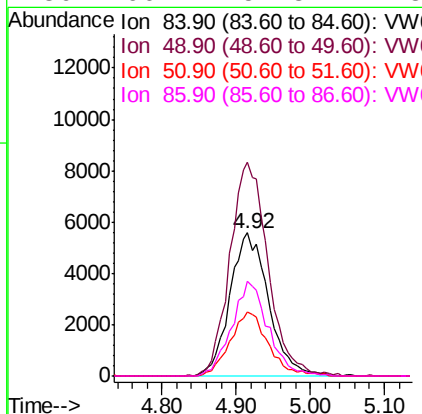
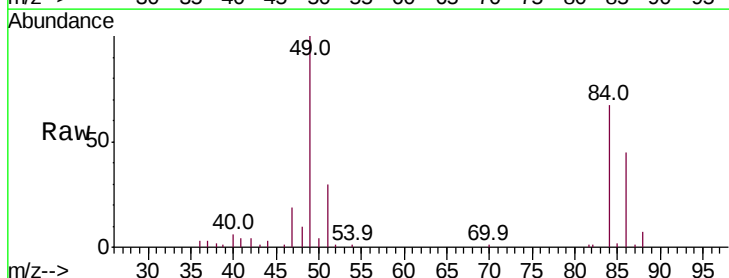
Instrument :
MSVOA_W
ClientSampled :

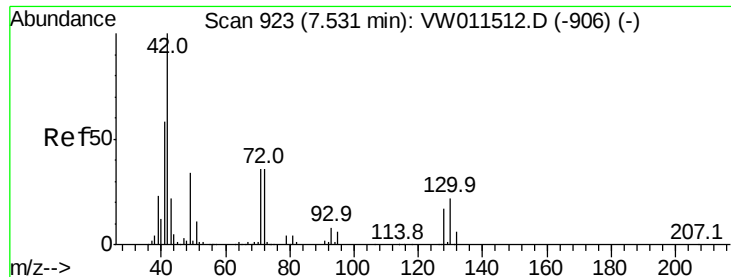
Tot Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
58 33.9 22.3 33.5#



#20
Methylene Chloride
Concen: 6.941 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011984.D
Acq: 19 Aug 2019 12:05

Tgt Ion: 84 Resp: 20219
Ion Ratio Lower Upper
84 100
49 148.1 117.8 176.6
51 44.3 37.0 55.4
86 66.4 51.8 77.8





#29

Tetrahydrofuran

Concen: 8.030 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

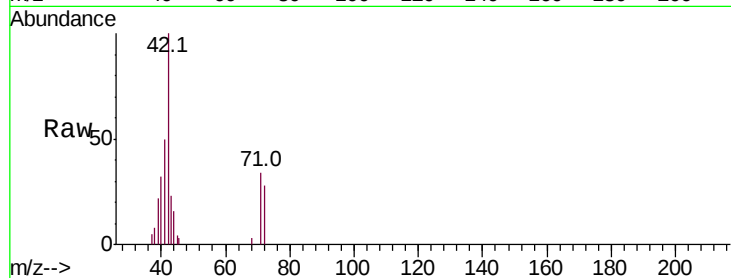
Tot Ion: 42 Resp: 5073

Ion Ratio Lower Upper

42 100

72 33.6 27.1 40.7

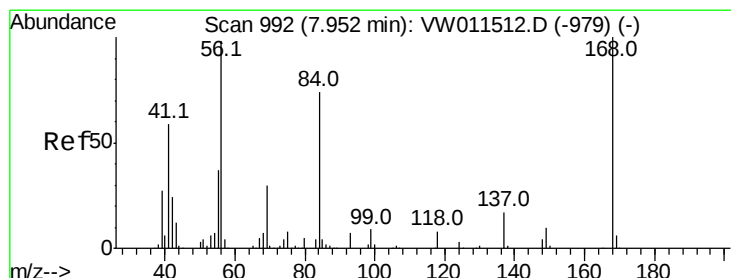
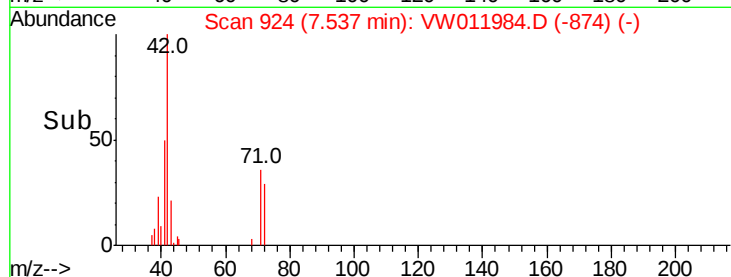
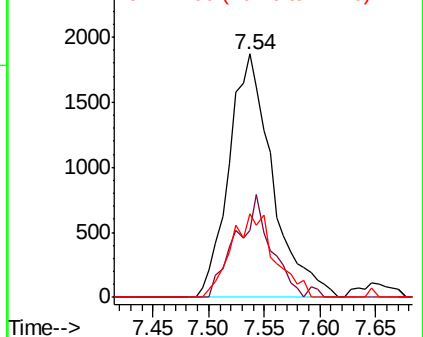
71 34.5 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

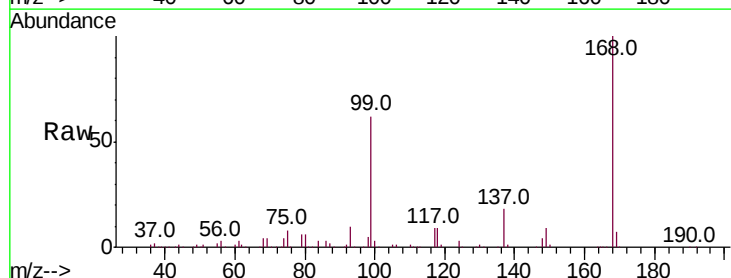
Tgt Ion: 56 Resp: 5600

Ion Ratio Lower Upper

56 100

69 172.7 24.3 36.5#

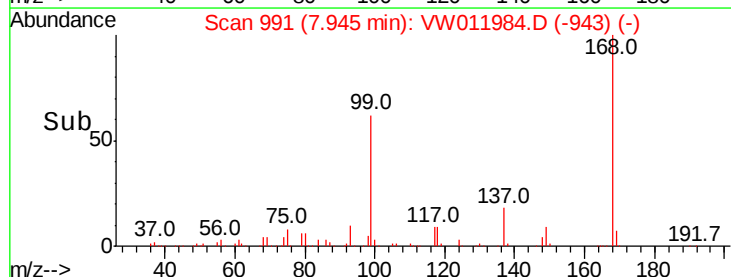
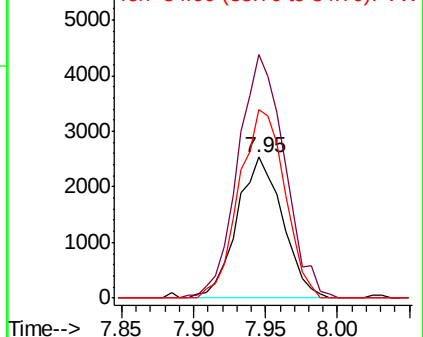
84 133.8 60.4 90.6#

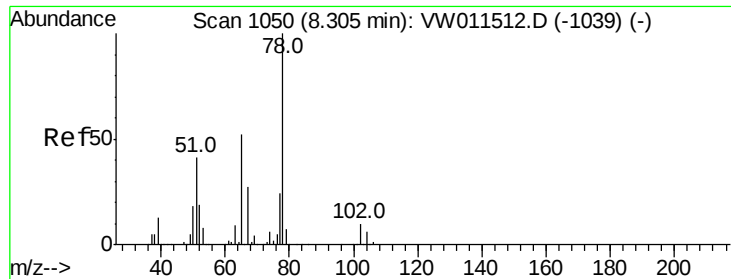


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 54.097 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Instrument :

MSVOA_W

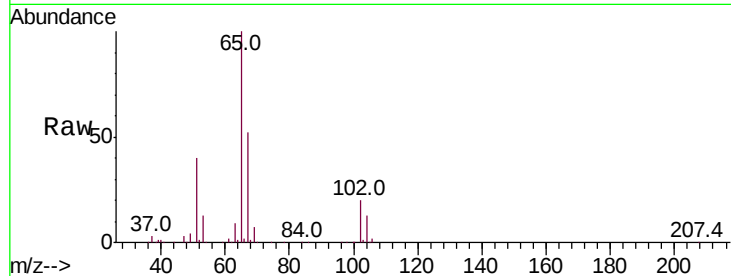
ClientSampleId :

Tot Ion: 65 Resp: 143632

Ion Ratio Lower Upper

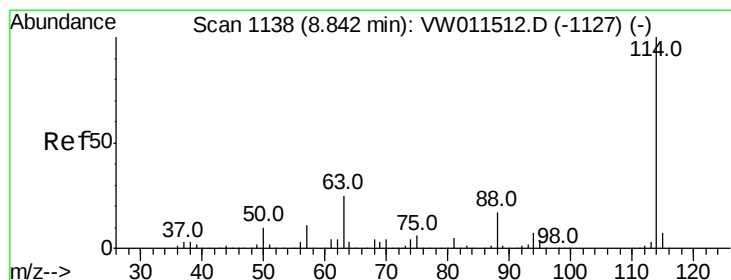
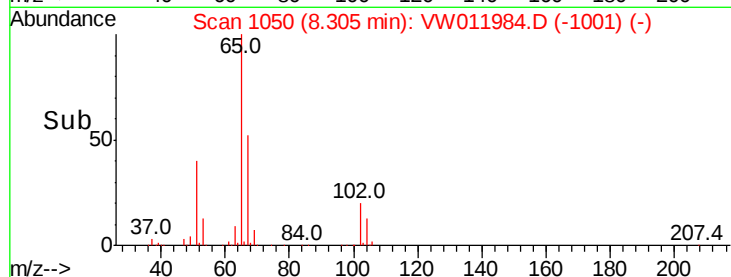
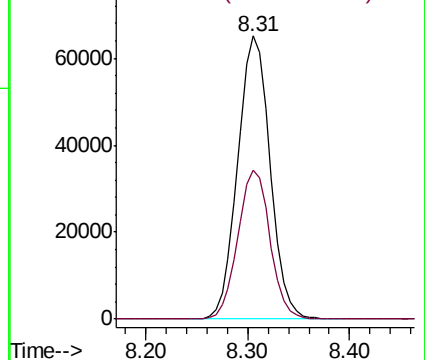
65 100

67 52.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

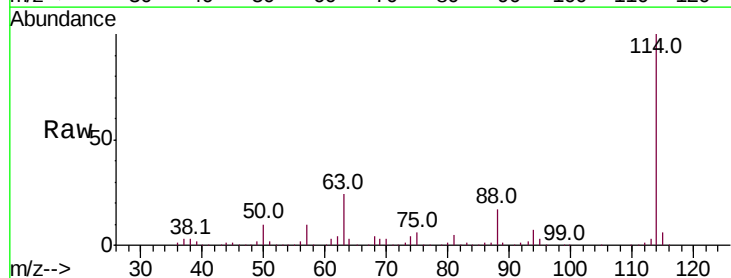
Tgt Ion: 114 Resp: 382123

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

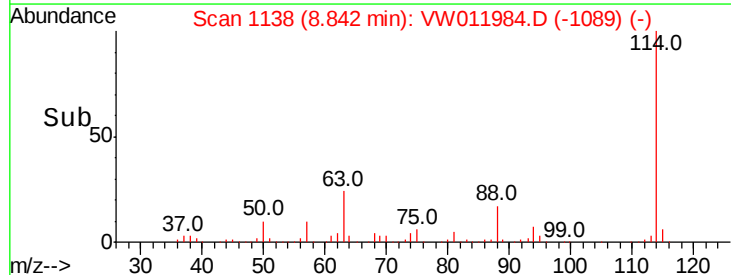
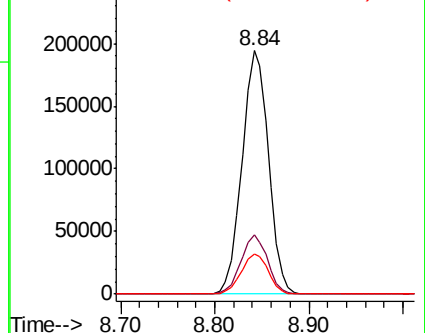
88 16.7 0.0 33.8

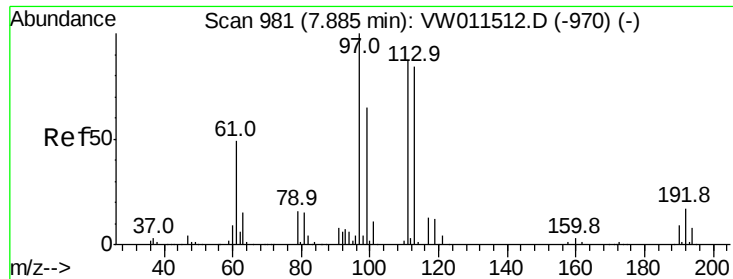


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

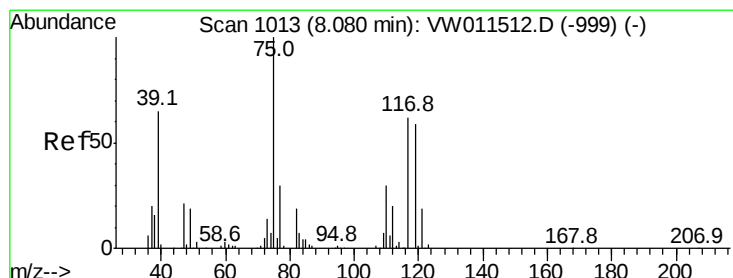
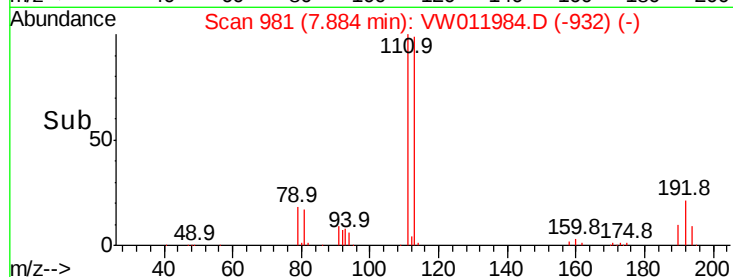
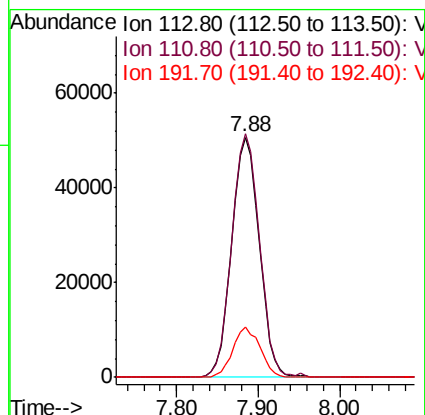
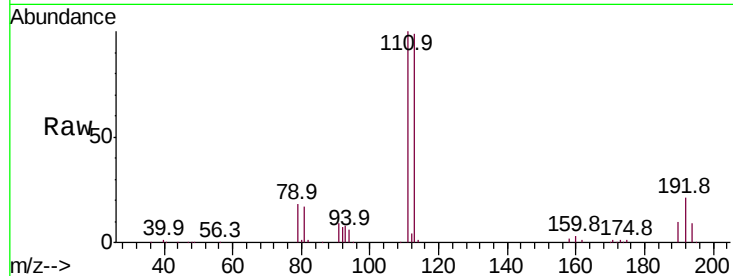




#35
 Dibromofluoromethane
 Concen: 55.210 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011984.D
 Acq: 19 Aug 2019 12:05

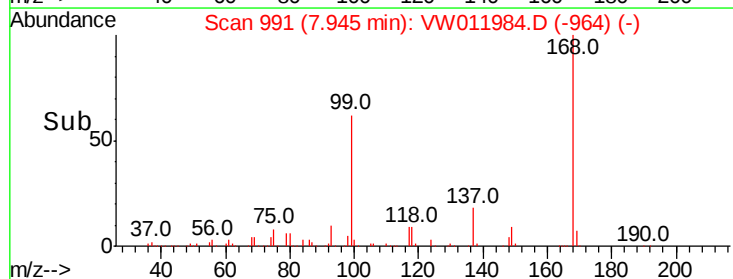
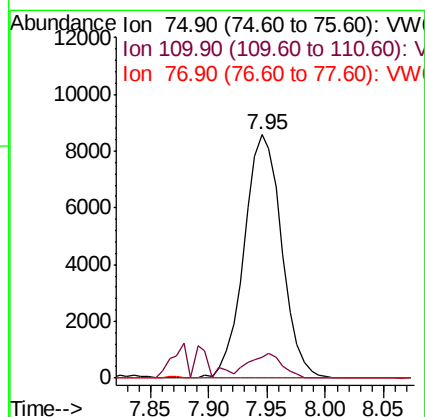
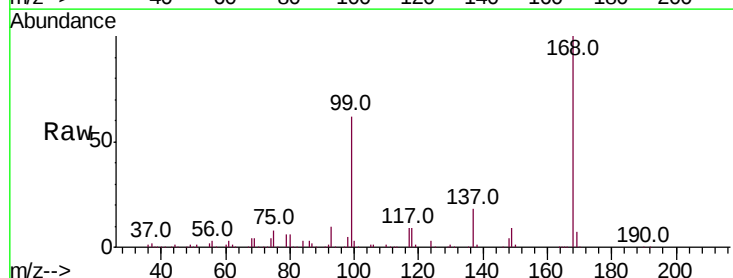
Instrument :
 MSVOA_W
 ClientSampleId :

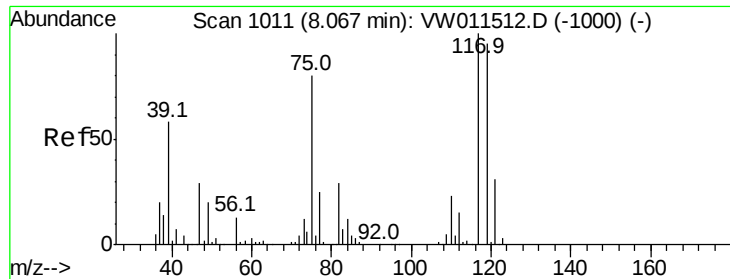
Tot Ion:113 Resp: 118357
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011984.D
 Acq: 19 Aug 2019 12:05

Tgt Ion: 75 Resp: 19295
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.572 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampled :

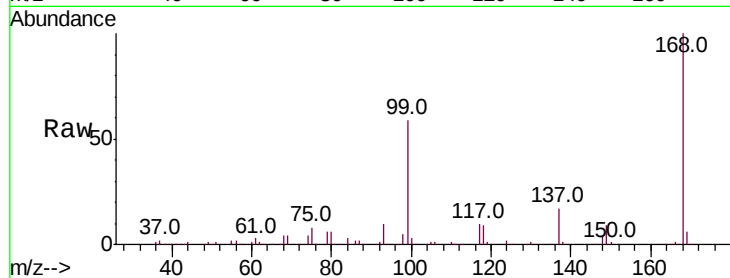
Tot Ion:117 Resp: 22354

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

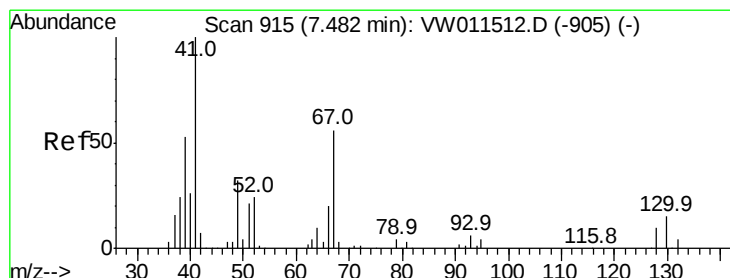
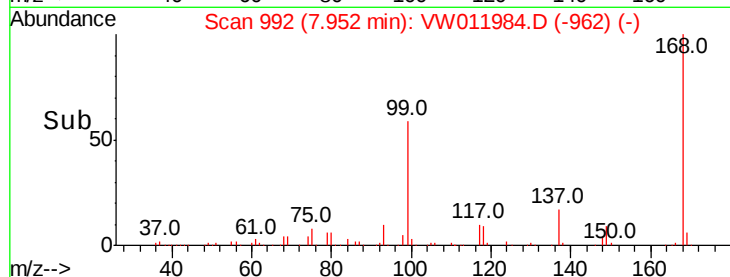
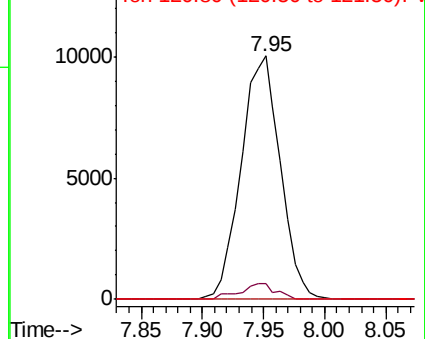
121 0.0 24.7 37.1#



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: 2.308 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Tgt Ion: 41 Resp: 3154

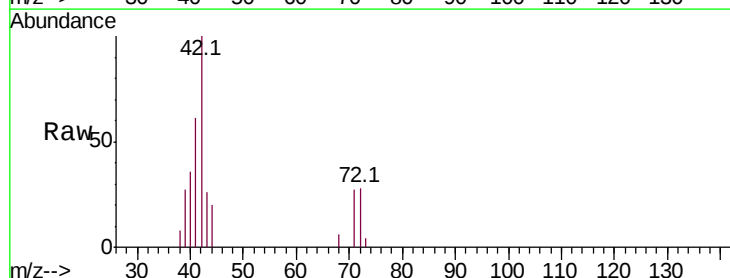
Ion Ratio Lower Upper

41 100

39 45.2 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

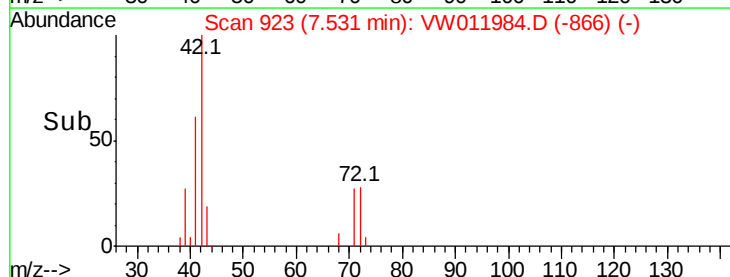
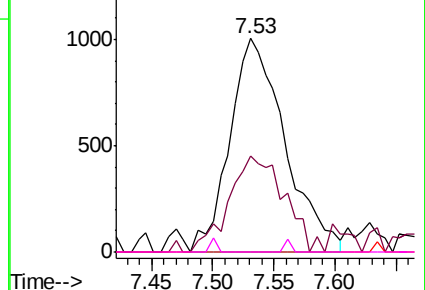


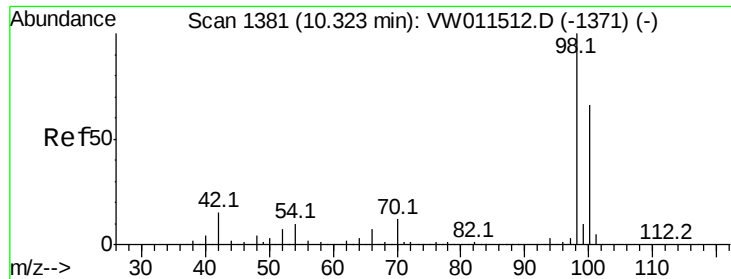
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.373 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Instrument :

MSVOA_W

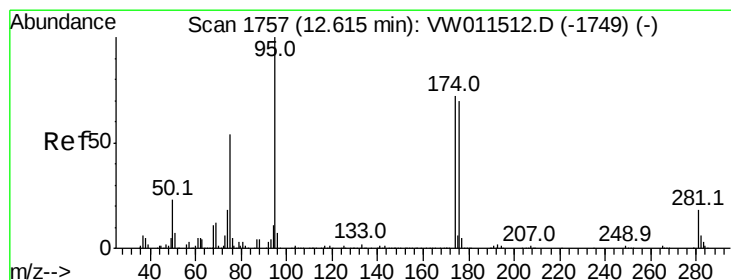
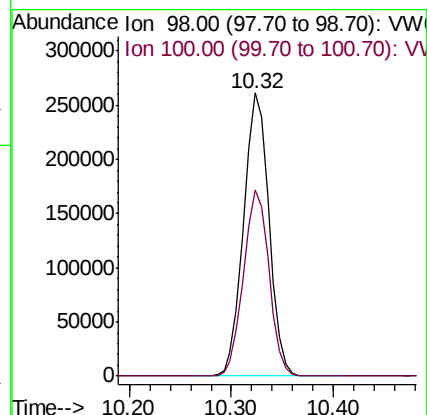
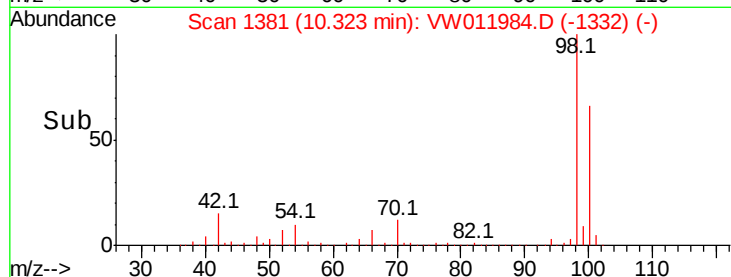
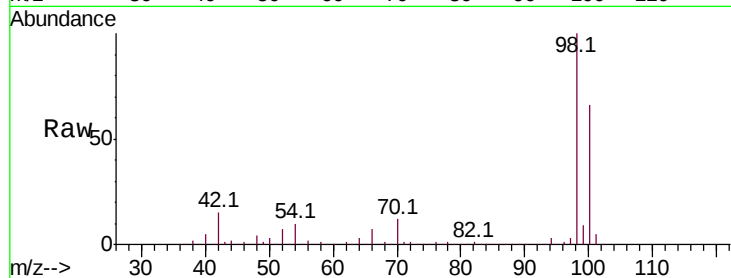
ClientSampled :

Tot Ion: 98 Resp: 450917

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 39.716 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

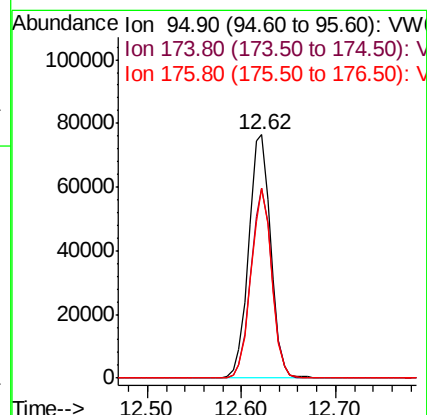
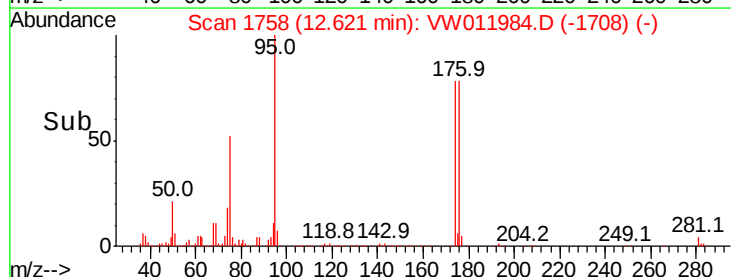
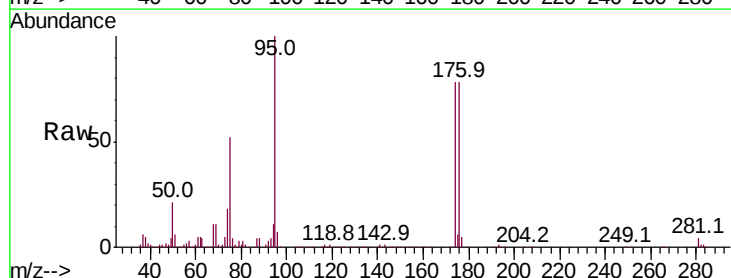
Tgt Ion: 95 Resp: 124282

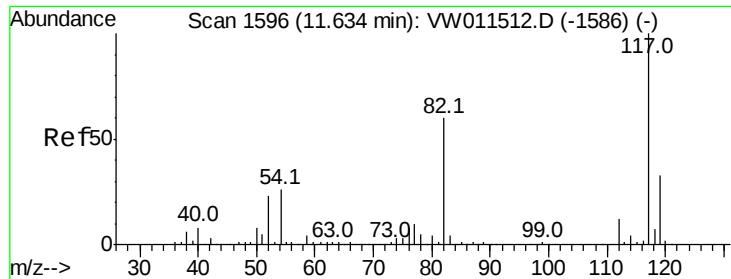
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 73.5 0.0 144.4

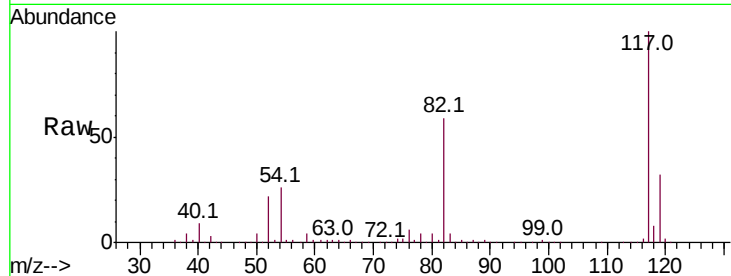




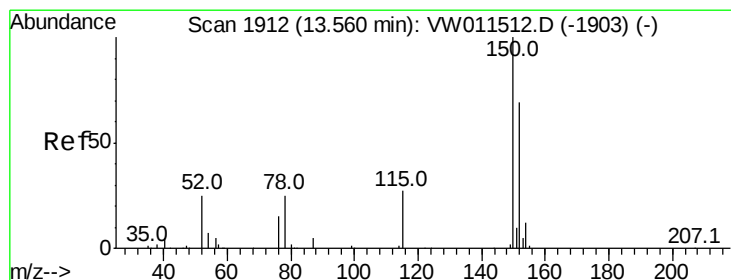
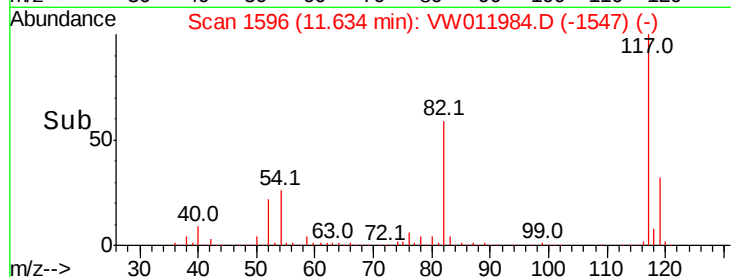
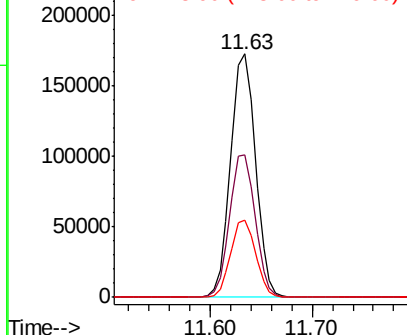
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011984.D
Acq: 19 Aug 2019 12:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 291843
Ion Ratio Lower Upper
117 100
82 58.7 47.9 71.9
119 31.7 26.2 39.2

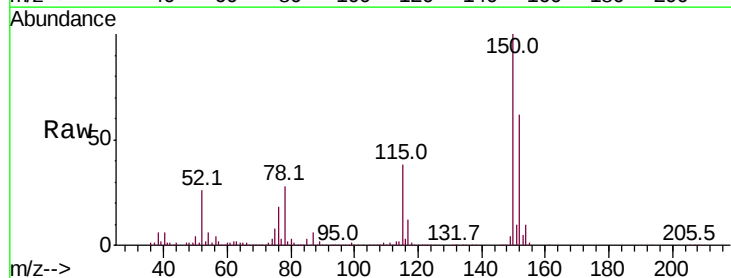


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

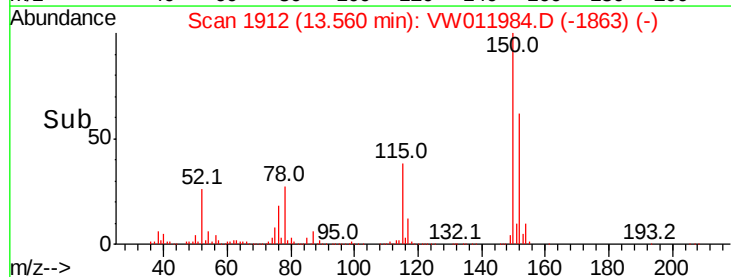
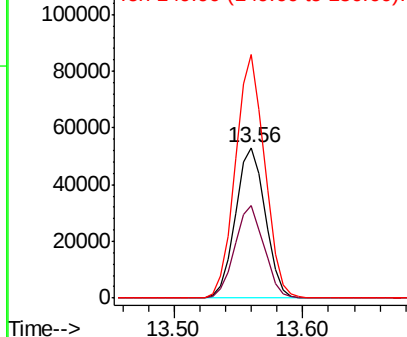


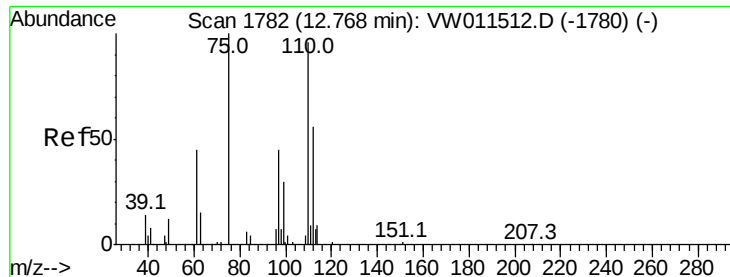
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011984.D
Acq: 19 Aug 2019 12:05

Tgt Ion:152 Resp: 85181
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 158.8 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

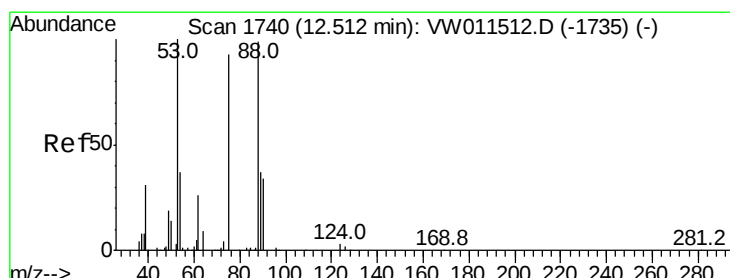
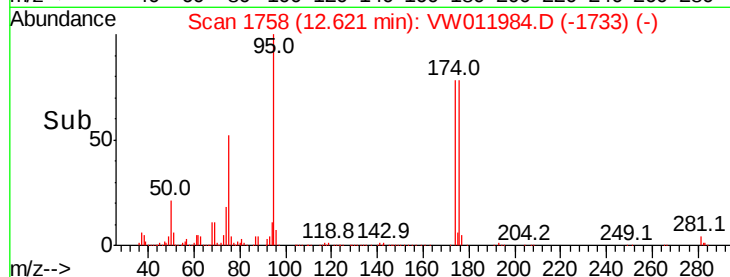
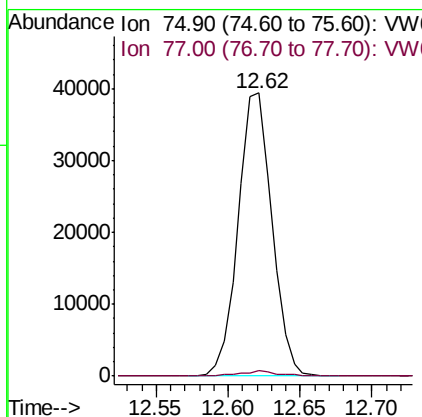
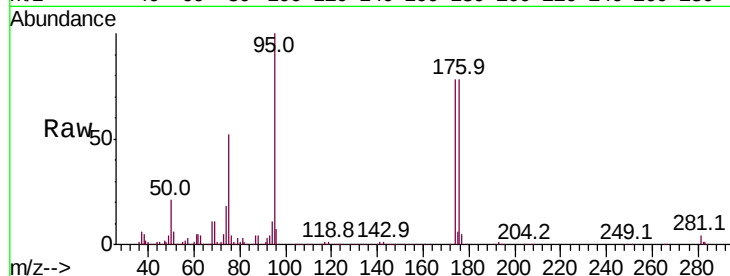




#76
 1,2,3-Trichloropropane
 Concen: 71.272 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW011984.D
 Acq: 19 Aug 2019 12:05

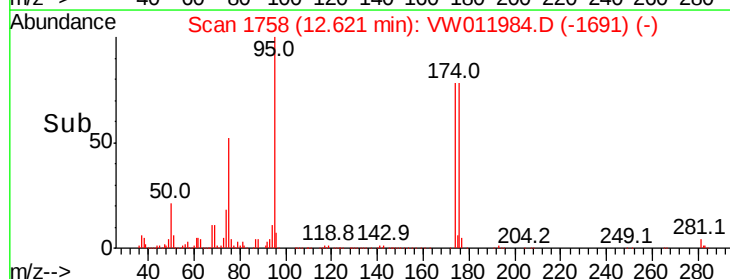
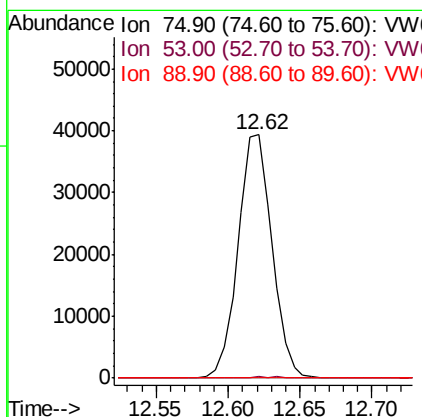
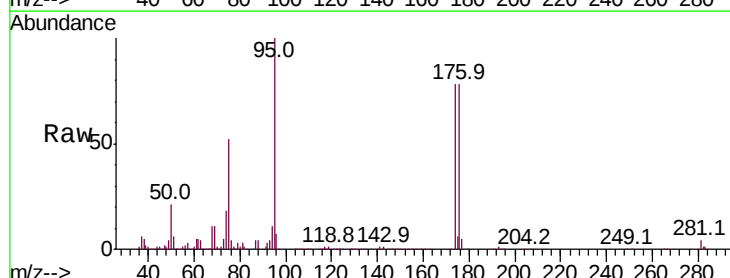
Instrument :
 MSVOA_W
 ClientSampleId :

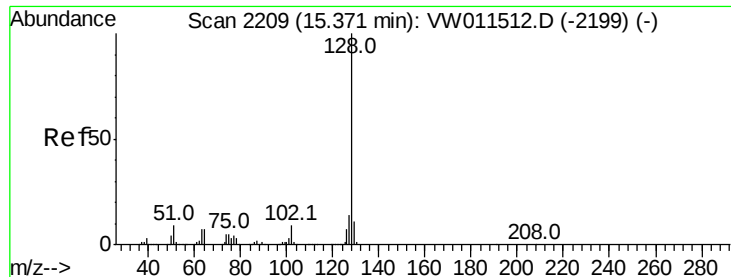
Tot Ion: 75 Resp: 64238
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.256 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW011984.D
 Acq: 19 Aug 2019 12:05

Tgt Ion: 75 Resp: 64238
 Ion Ratio Lower Upper
 75 100
 53 0.7 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.173 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011984.D

Acq: 19 Aug 2019 12:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 376

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

