

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011989.D
 Acq On : 19 Aug 2019 14:14
 Operator : SY/VA
 Sample : K4385-09
 Misc : 6.55G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 14:47:50 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	243990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93928	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	153130	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
35) Dibromofluoromethane	7.88	113	125126	54.44	ug/l	0.00
Spiked Amount			Recovery	=	108.88%	
50) Toluene-d8	10.32	98	479671	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	131536	39.21	ug/l	0.00
Spiked Amount			Recovery	=	78.42%	

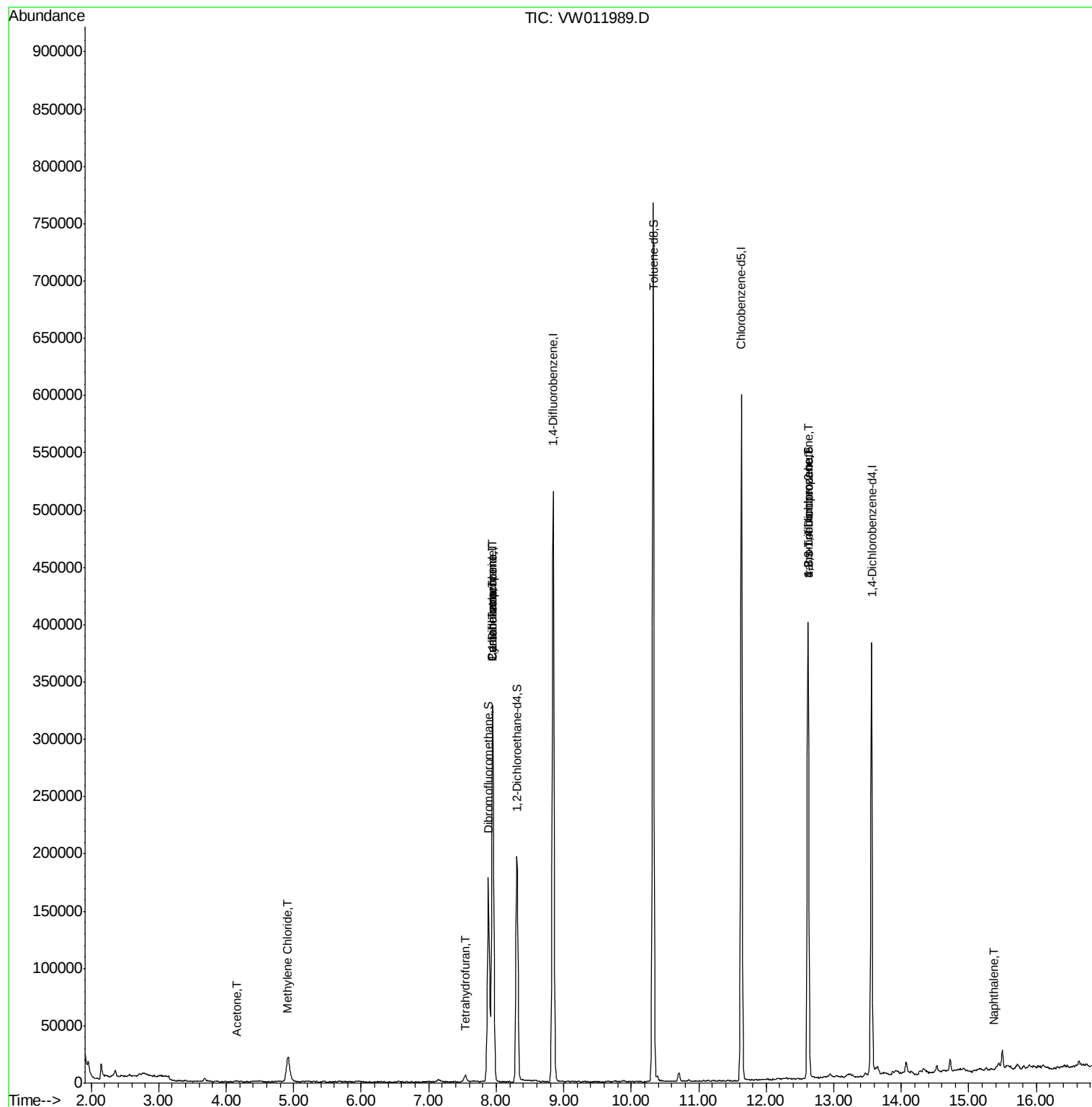
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	60	Below Cal	#	72
16) Acetone	4.15	43	1641	1.841	ug/l #	80
20) Methylene Chloride	4.92	84	17065	5.552	ug/l	91
29) Tetrahydrofuran	7.53	42	5365	8.048	ug/l	97
31) Cyclohexane	7.95	56	5935	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20501	4.812	ug/l #	54
38) Carbon Tetrachloride	7.95	117	24729	6.781	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	68485	68.908	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68485	158.808	ug/l #	6
95) Naphthalene	15.37	128	339	2.154	ug/l #	89

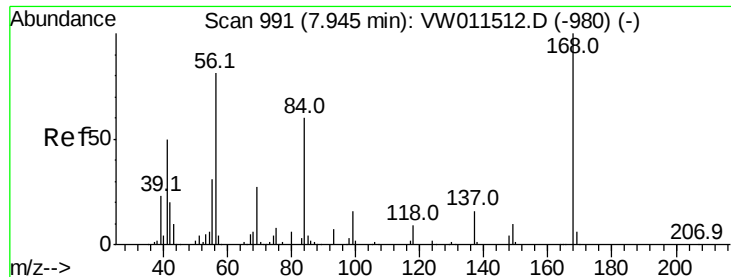
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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: VW011989.D

Acq: 19 Aug 2019 14:14

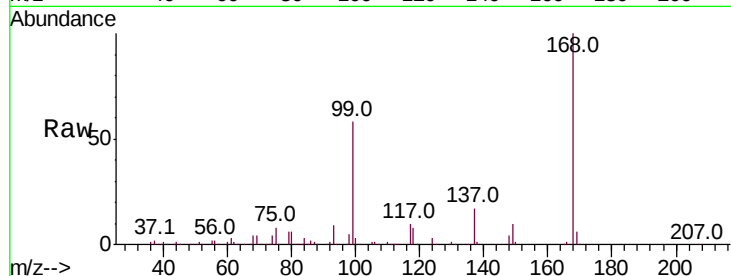
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 243990

Ion Ratio Lower Upper

168 100

99 57.7 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

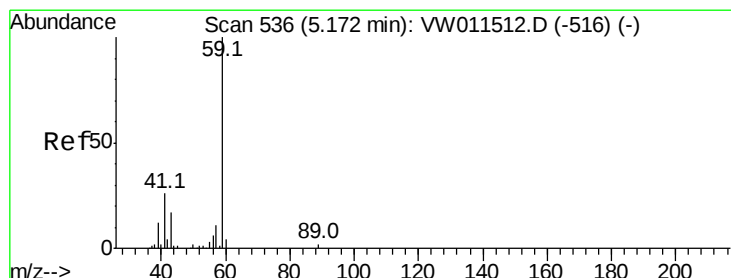
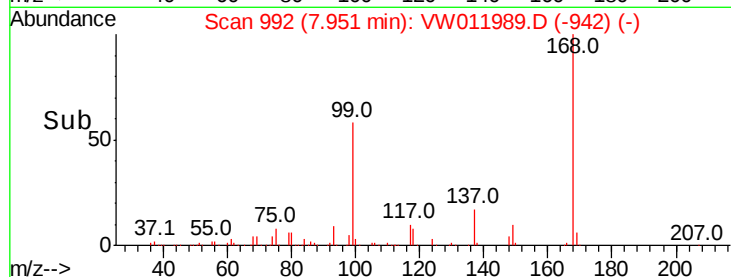
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW011989.D

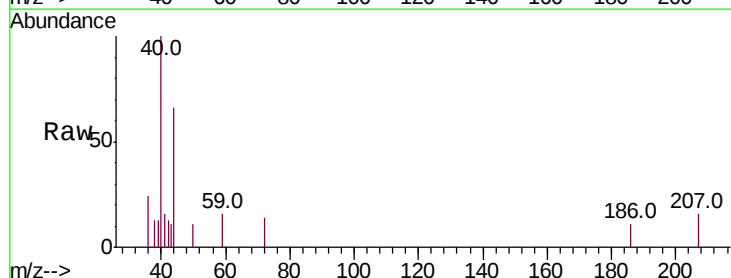
Acq: 19 Aug 2019 14:14

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

100

80

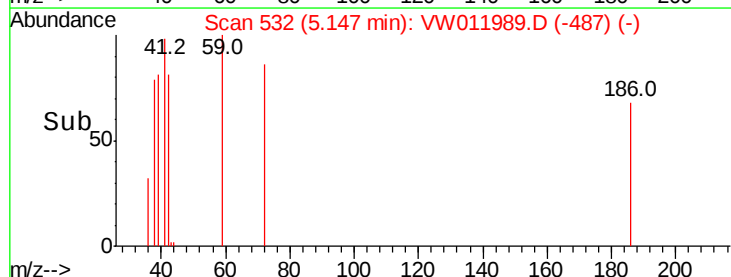
60

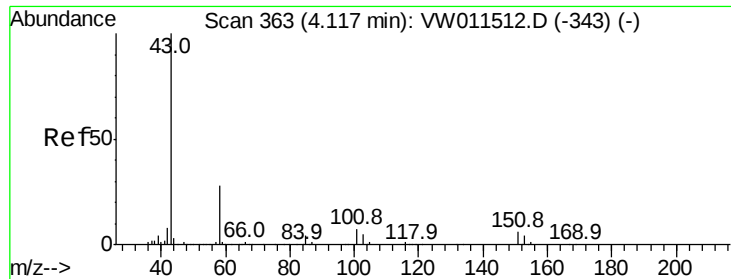
40

20

0

Time--> 5.14 5.15 5.16

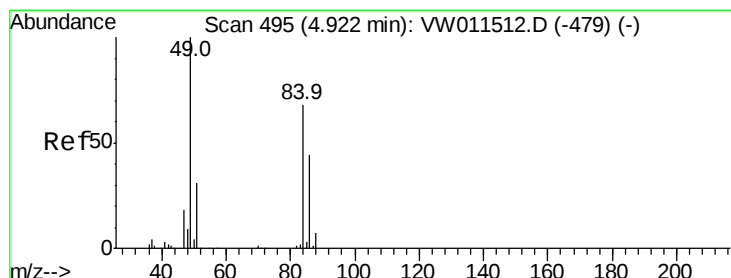
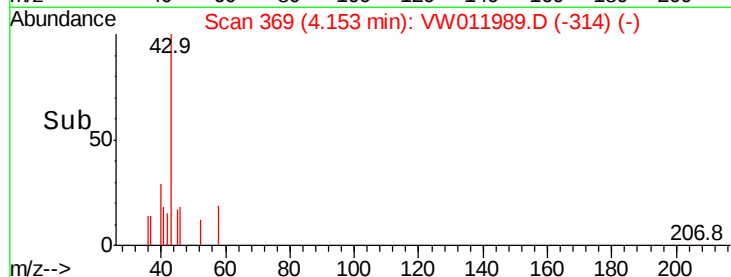
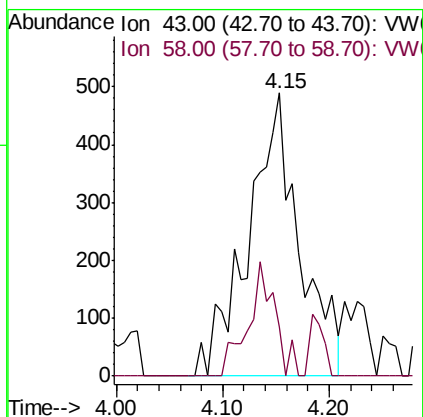
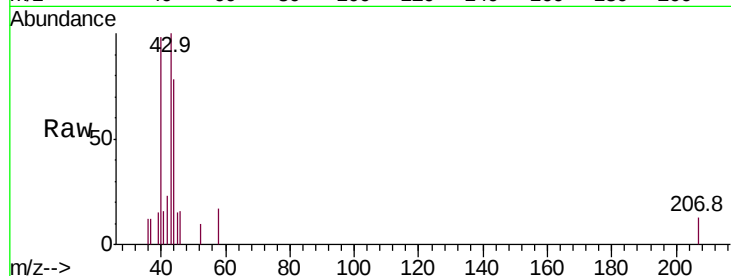




#16
Acetone
Concen: 1.841 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.04 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

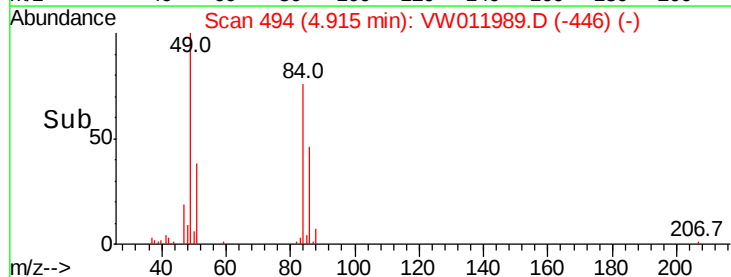
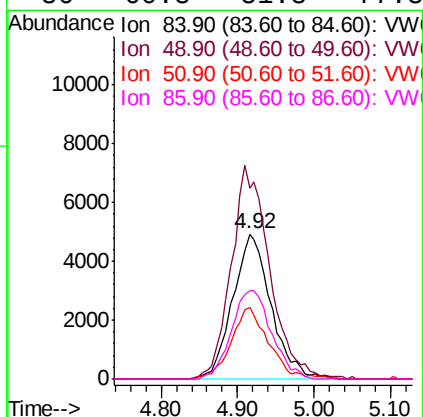
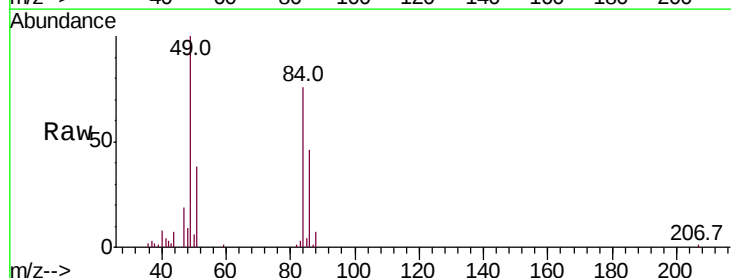
Instrument :
MSVOA_W
ClientSampled :

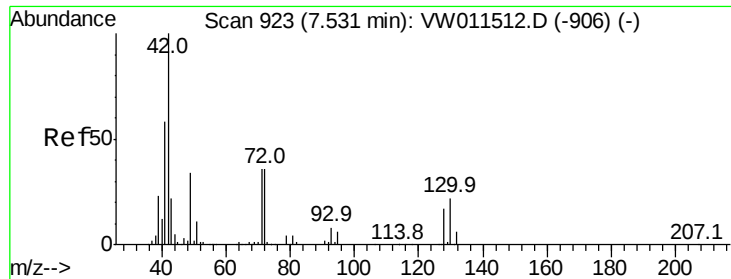
Tot Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
58 17.2 22.3 33.5#



#20
Methylene Chloride
Concen: 5.552 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

Tgt Ion: 84 Resp: 17065
Ion Ratio Lower Upper
84 100
49 131.8 117.8 176.6
51 49.6 37.0 55.4
86 60.8 51.8 77.8

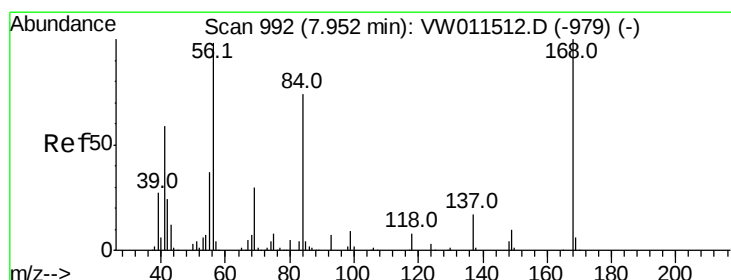
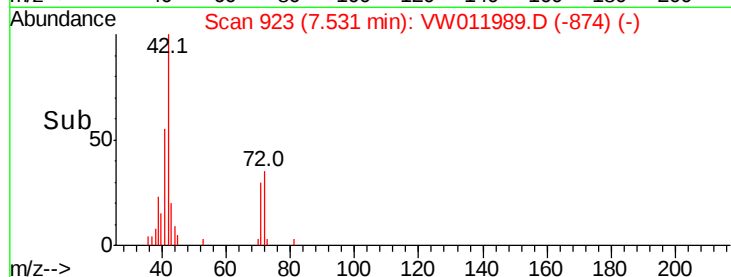
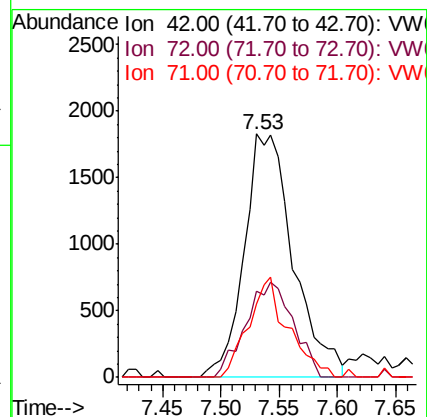
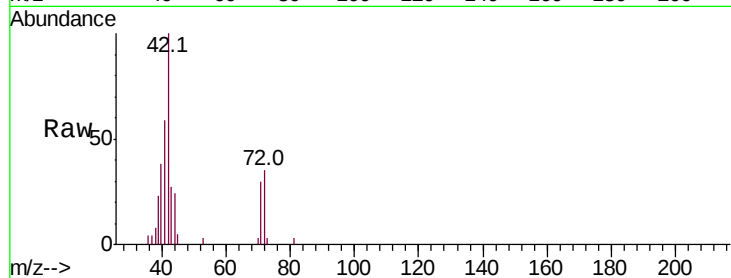




#29
Tetrahydrofuran
Concen: 8.048 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

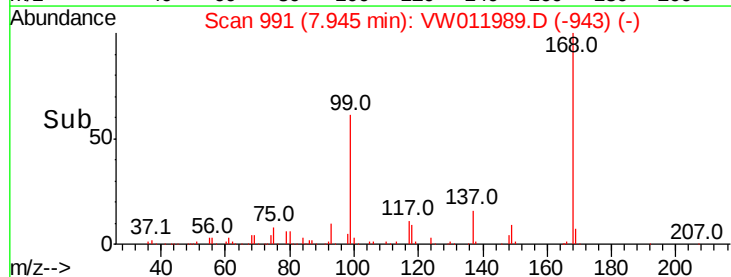
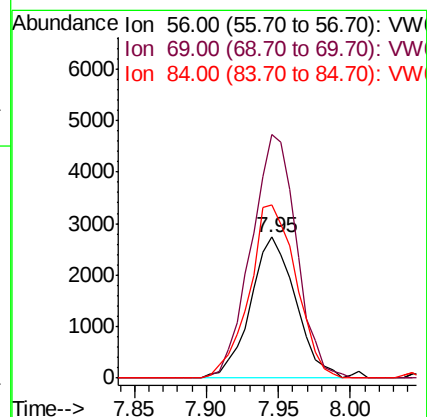
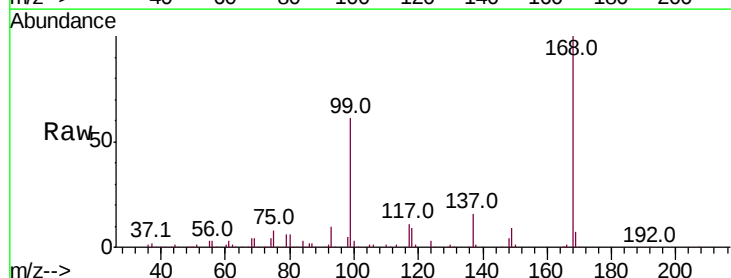
Instrument :
MSVOA_W
ClientSampleId :

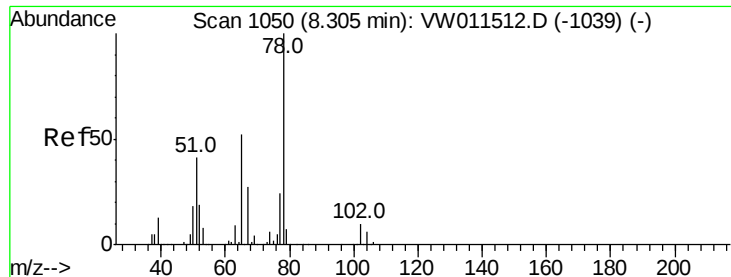
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	27.1	40.7
71	32.9	26.2	39.4



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	173.0	24.3	36.5#
84	123.4	60.4	90.6#

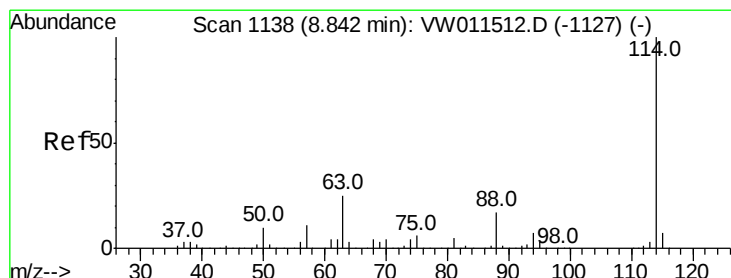
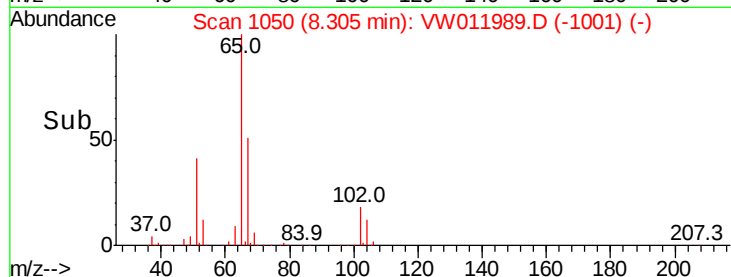
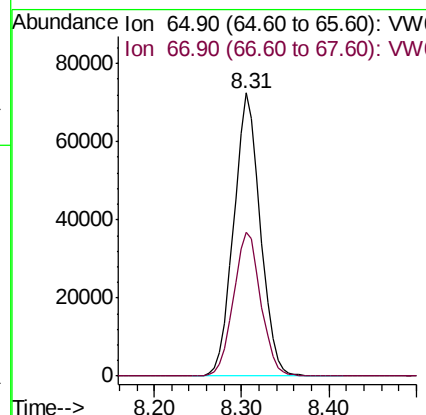
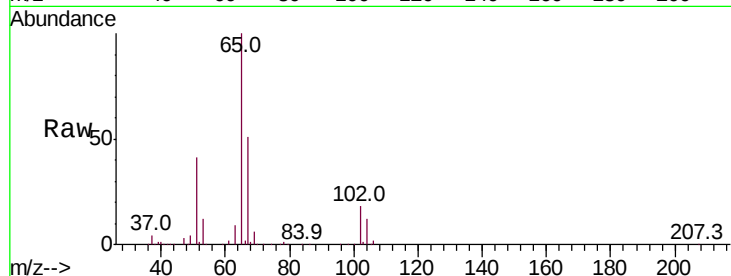




#33
 1,2-Dichloroethane-d4
 Concen: 54.656 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011989.D
 Acq: 19 Aug 2019 14:14

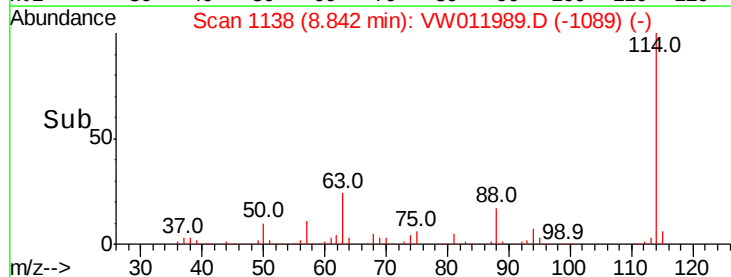
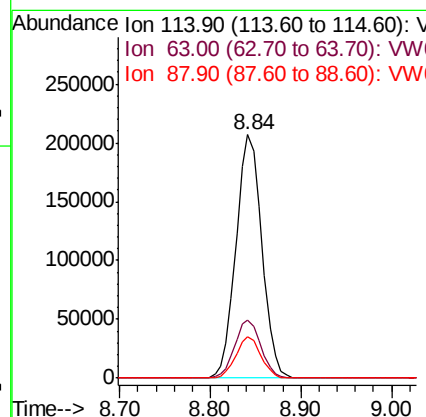
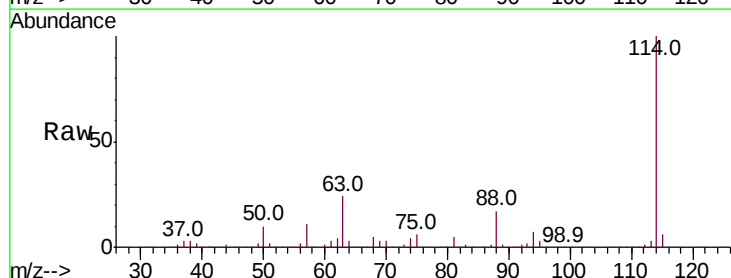
Instrument :
 MSVOA_W
 ClientSampleId :

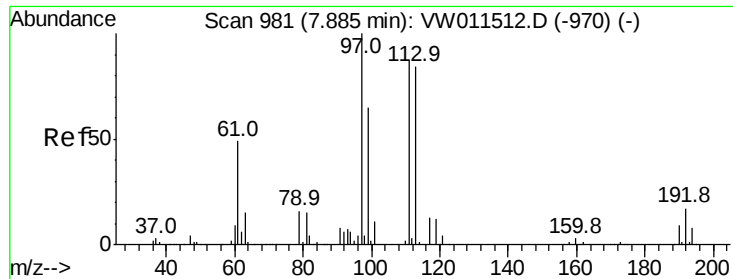
Tot Ion: 65 Resp: 153130
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011989.D
 Acq: 19 Aug 2019 14:14

Tgt Ion: 114 Resp: 409697
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.9 0.0 33.8

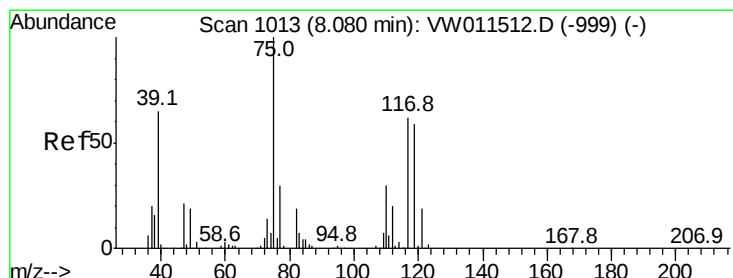
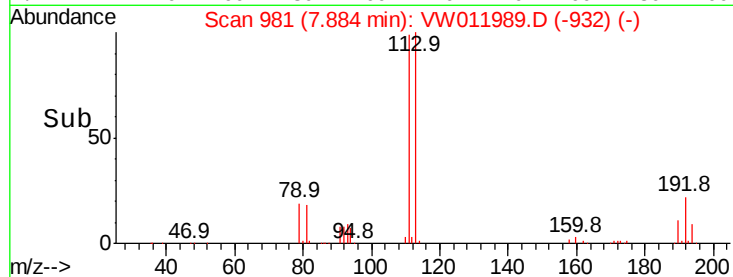
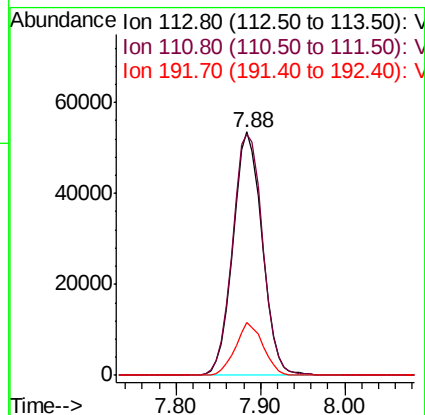
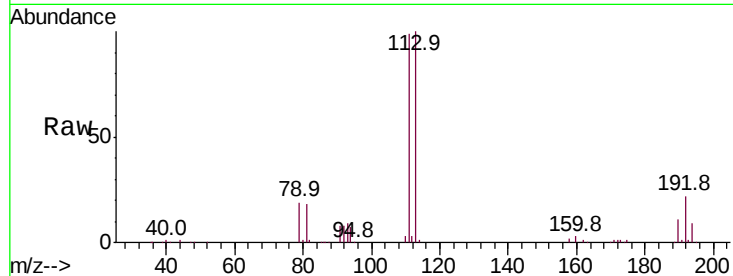




#35
 Dibromofluoromethane
 Concen: 54.439 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011989.D
 Acq: 19 Aug 2019 14:14

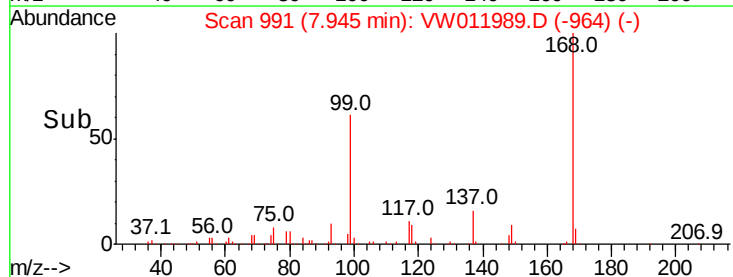
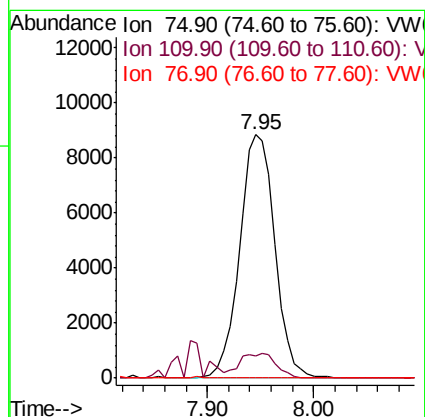
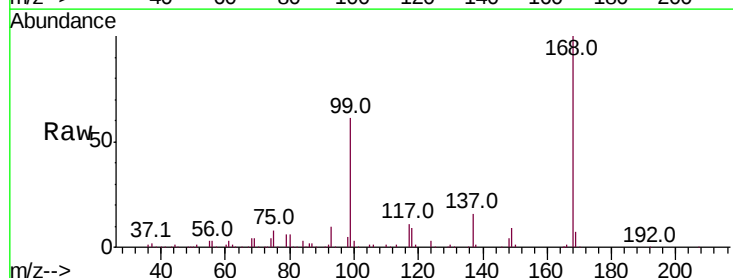
Instrument :
 MSVOA_W
 ClientSampleId :

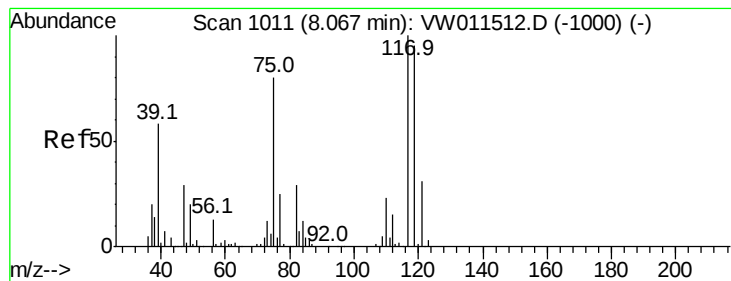
Tot Ion:113 Resp: 125126
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.812 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011989.D
 Acq: 19 Aug 2019 14:14

Tgt Ion: 75 Resp: 20501
 Ion Ratio Lower Upper
 75 100
 110 10.8 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.781 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011989.D

Acq: 19 Aug 2019 14:14

Instrument :
MSVOA_W
ClientSampleId :

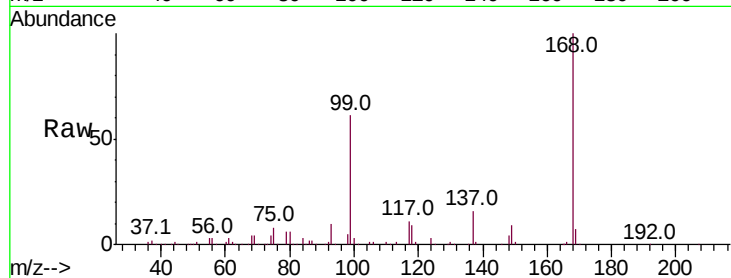
Tot Ion:117 Resp: 24729

Ion Ratio Lower Upper

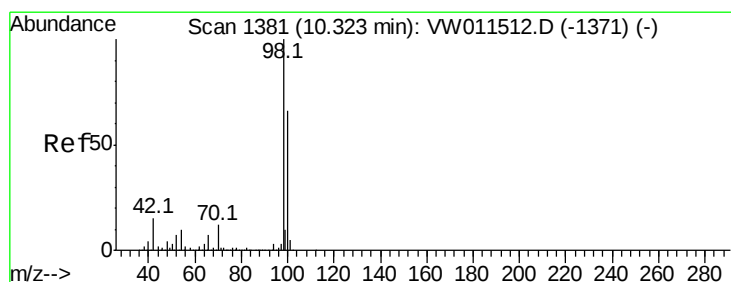
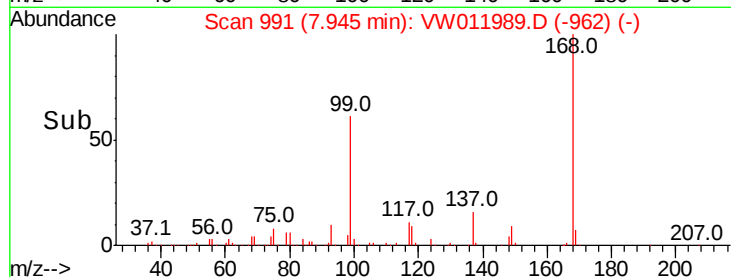
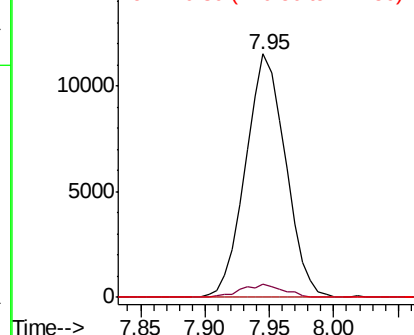
117 100

119 5.2 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



#50

Toluene-d8

Concen: 50.971 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011989.D

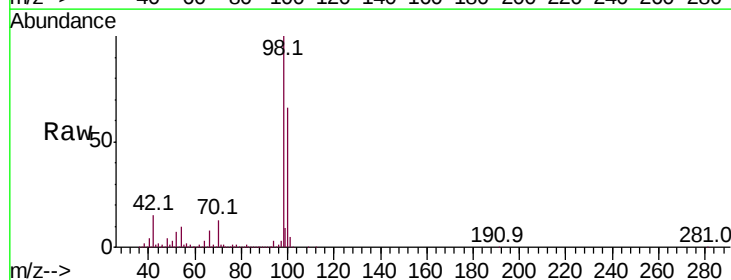
Acq: 19 Aug 2019 14:14

Tgt Ion: 98 Resp: 479671

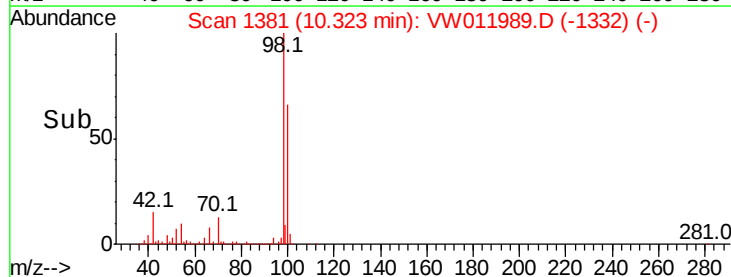
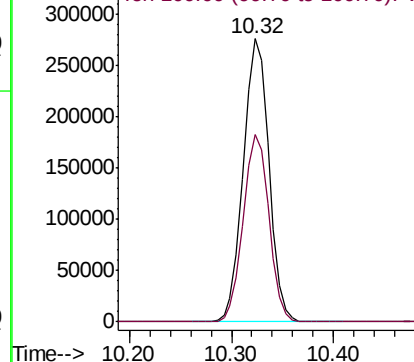
Ion Ratio Lower Upper

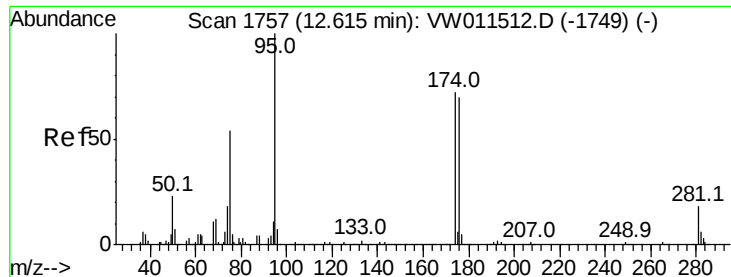
98 100

100 66.3 52.7 79.1



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

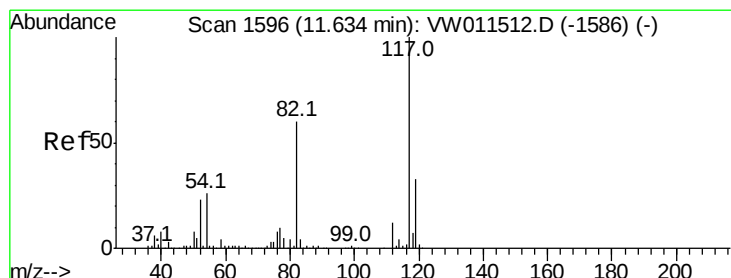
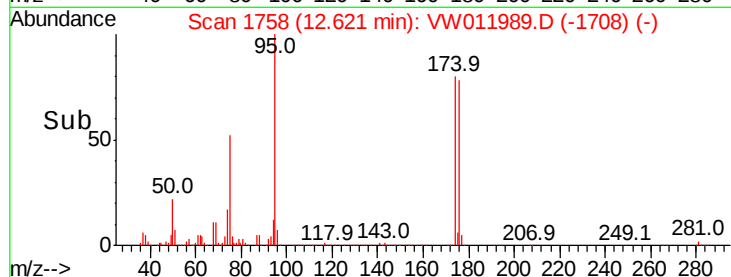
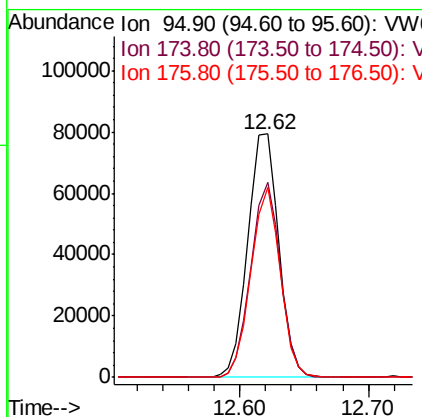
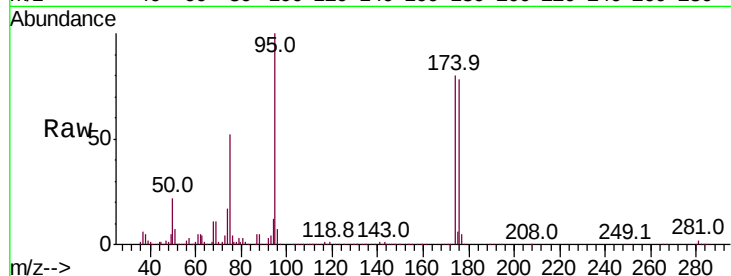




#62
4-Bromofluorobenzene
Concen: 39.205 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

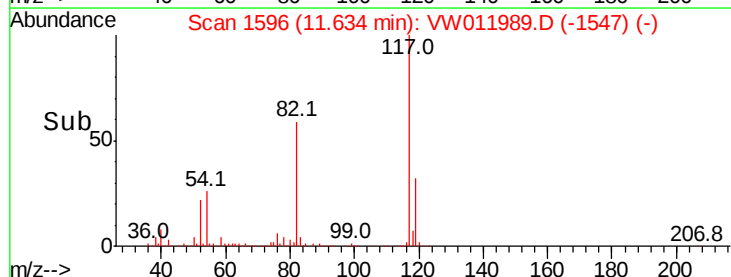
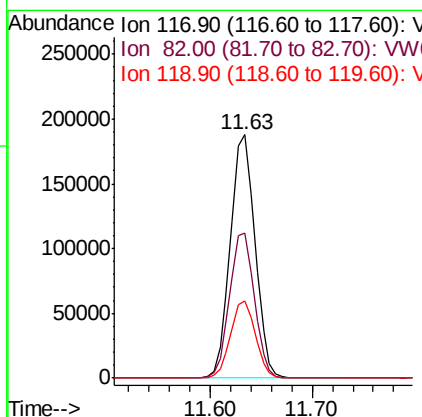
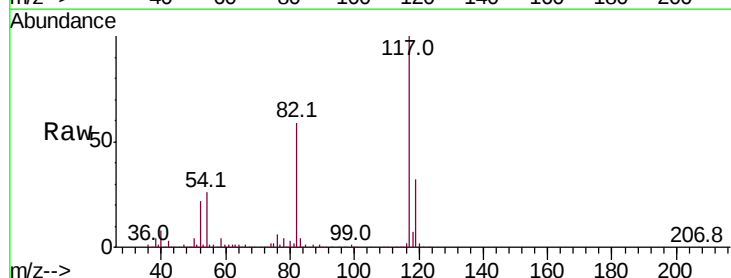
Instrument :
MSVOA_W
ClientSampled :

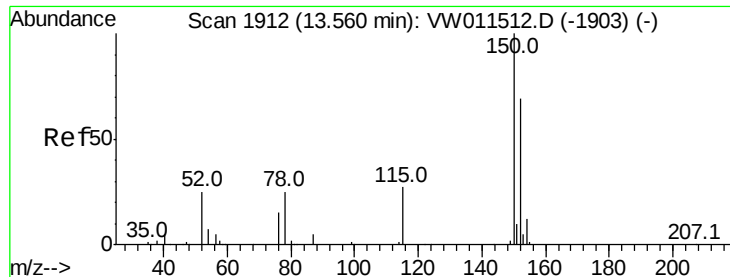
Tot Ion: 95 Resp: 131536
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.2
176 73.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011989.D
Acq: 19 Aug 2019 14:14

Tgt Ion: 117 Resp: 314204
Ion Ratio Lower Upper
117 100
82 59.4 47.9 71.9
119 31.7 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: VW011989.D

Acq: 19 Aug 2019 14:14

Instrument :

MSVOA_W

ClientSampleId :

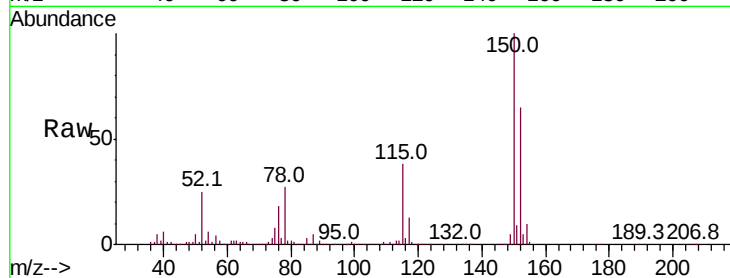
Tot Ion:152 Resp: 93928

Ion Ratio Lower Upper

152 100

115 59.7 30.5 91.5

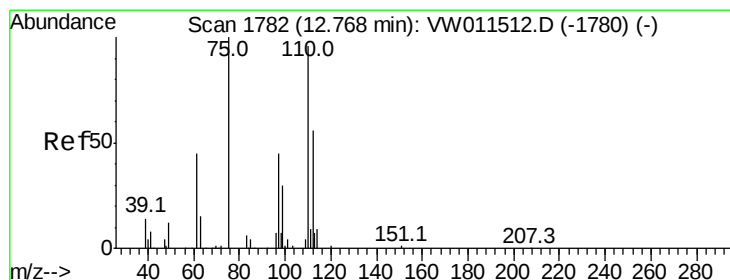
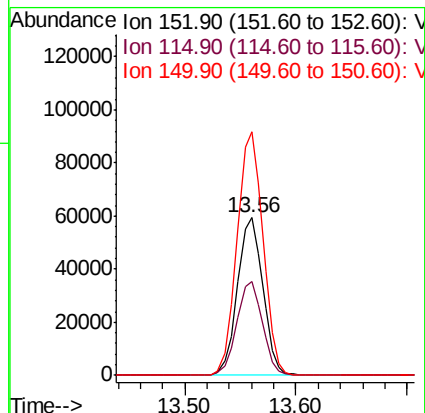
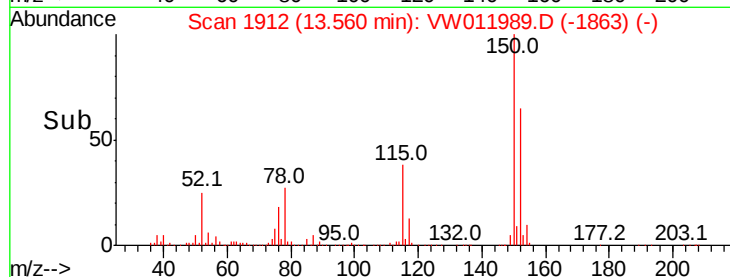
150 157.4 0.0 352.6



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: 68.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011989.D

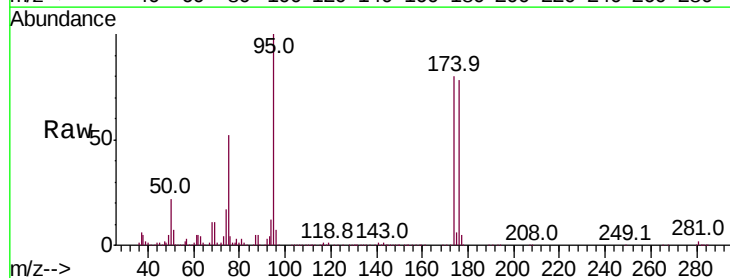
Acq: 19 Aug 2019 14:14

Tgt Ion: 75 Resp: 68485

Ion Ratio Lower Upper

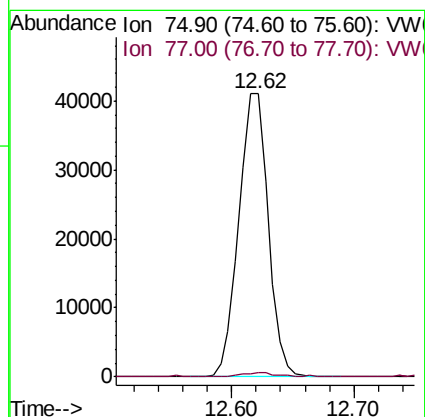
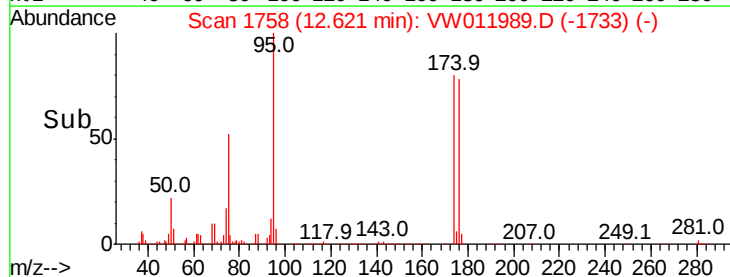
75 100

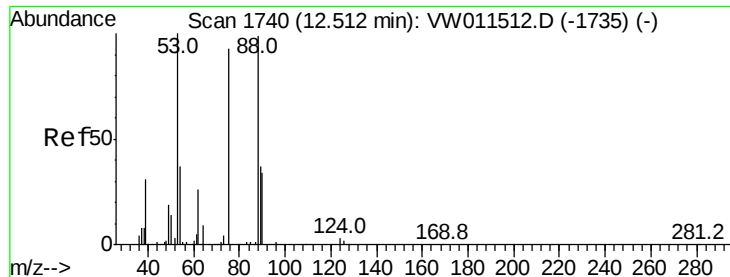
77 1.4 0.0 0.0#



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: 158.808 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011989.D

Acq: 19 Aug 2019 14:14

Instrument :

MSVOA_W

ClientSampled :

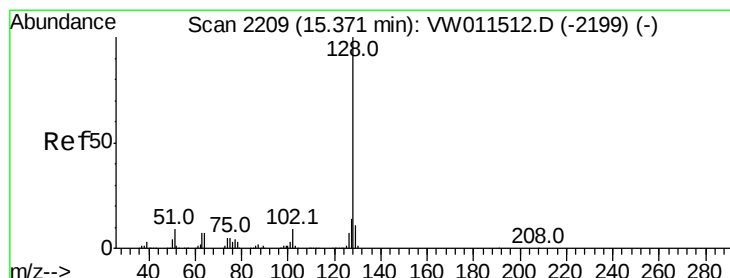
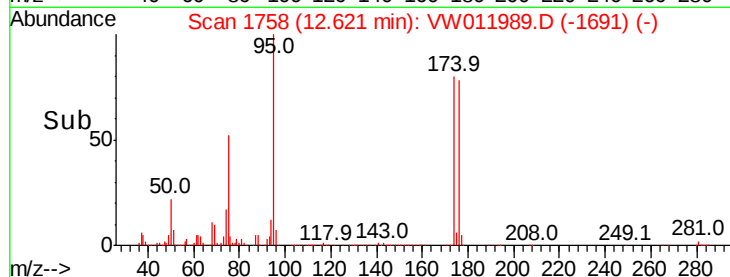
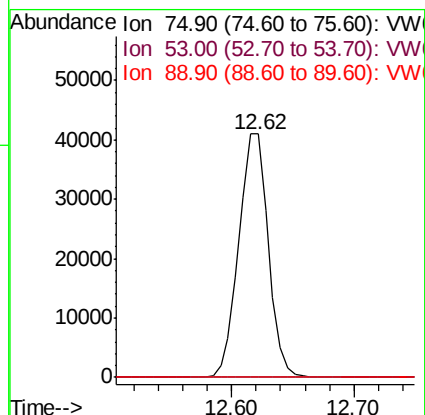
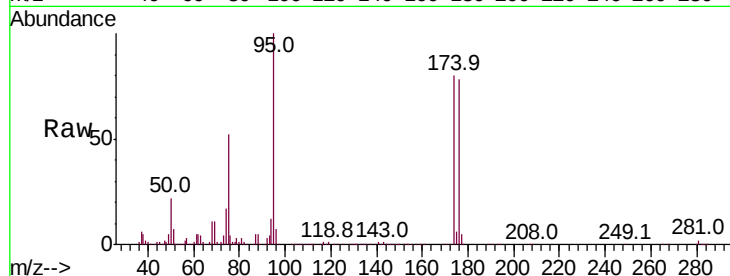
Tot Ion: 75 Resp: 68485

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.2 35.3 52.9#



#95

Naphthalene

Concen: 2.154 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011989.D

Acq: 19 Aug 2019 14:14

Tgt Ion: 128 Resp: 339

Ion Ratio Lower Upper

128 100

127 7.1 10.6 16.0#

129 8.6 8.6 13.0#

