

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011987.D
 Acq On : 19 Aug 2019 13:23
 Operator : SY/VA
 Sample : K4385-07
 Misc : 5.71G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 14:47:31 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	251509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89960	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	155367	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	7.88	113	127810	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
50) Toluene-d8	10.32	98	490080	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	132526	38.86	ug/l	0.00
Spiked Amount			Recovery	=	77.72%	

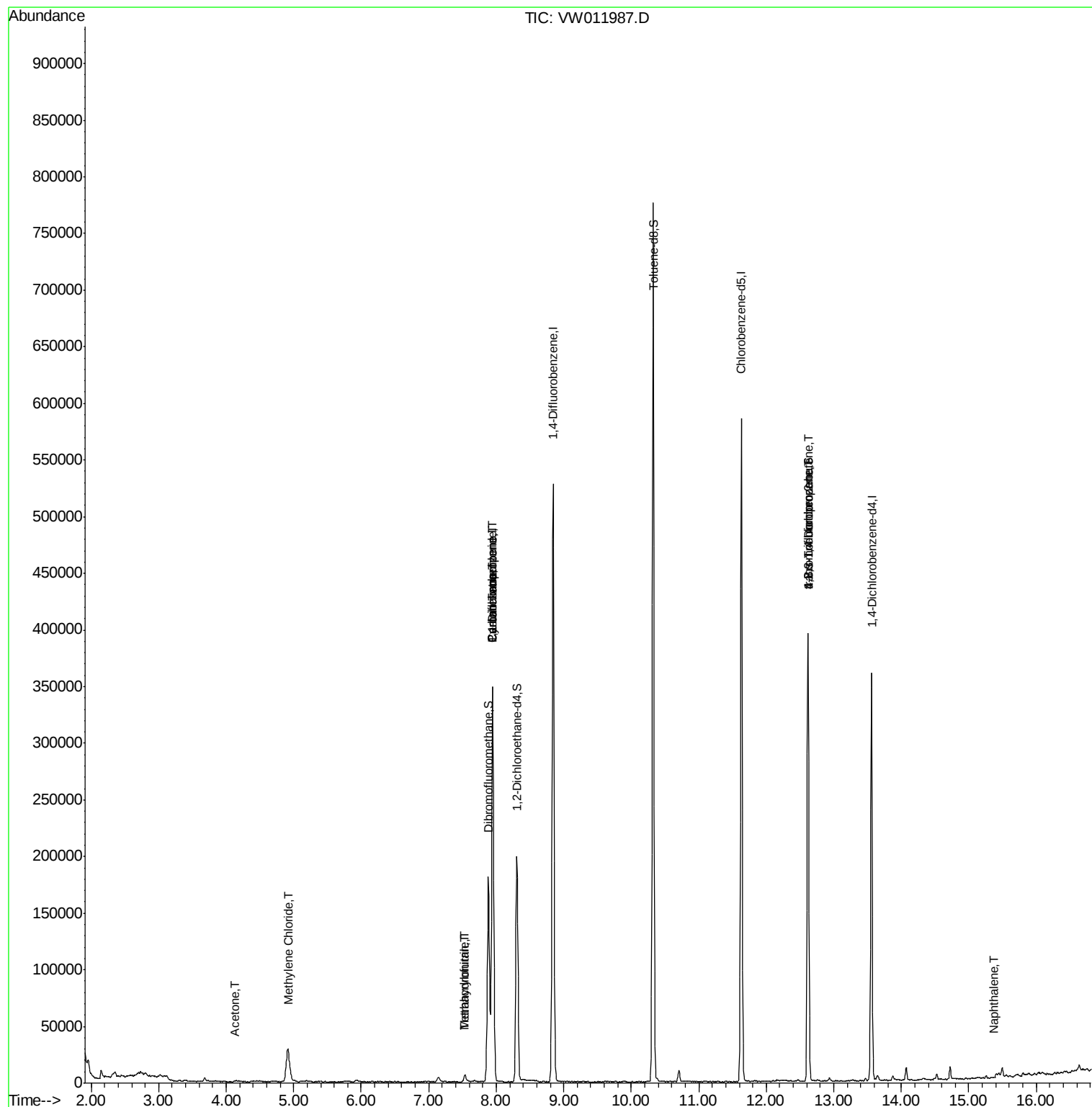
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	842	Below Cal		98
16) Acetone	4.14	43	1868	2.033	ug/l #	87
20) Methylene Chloride	4.92	84	23001	7.260	ug/l	97
29) Tetrahydrofuran	7.53	42	5355	7.793	ug/l	99
31) Cyclohexane	7.95	56	6028	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20900	4.826	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25437	6.862	ug/l #	18
41) Methacrylonitrile	7.54	41	3252	2.184	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	68807	72.285	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68807	166.593	ug/l #	6
95) Naphthalene	15.36	128	184	2.116	ug/l #	38

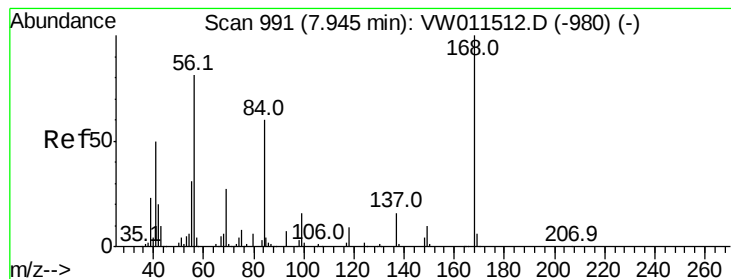
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 991

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

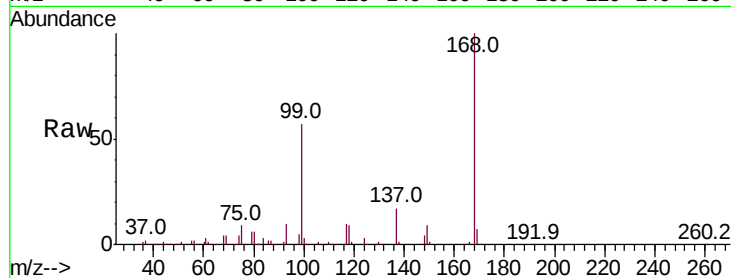
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 251509

Ion Ratio Lower Upper

168 100

99 57.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

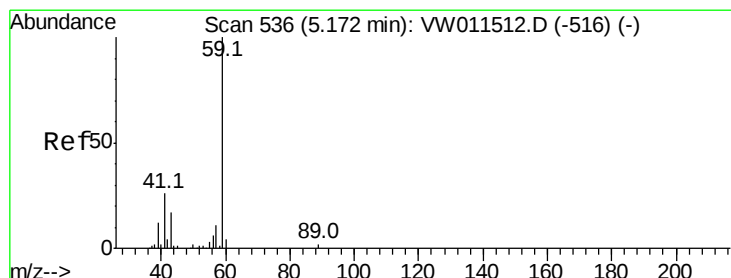
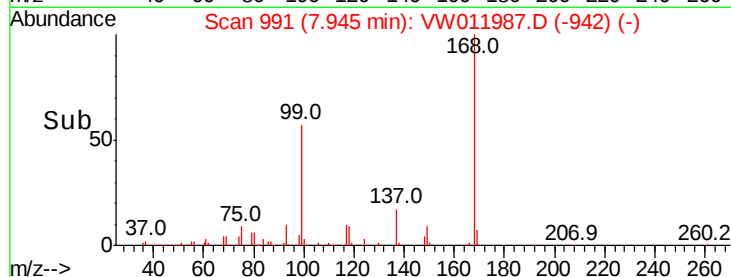
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW011987.D

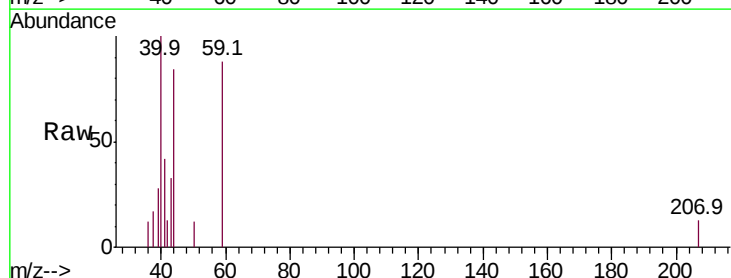
Acq: 19 Aug 2019 13:23

Tgt Ion: 59 Resp: 842

Ion Ratio Lower Upper

59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

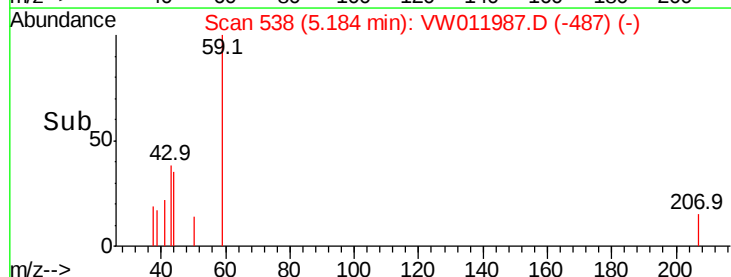
300

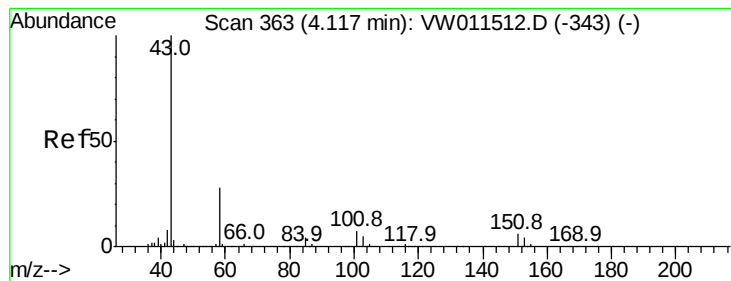
200

100

0

Time--> 5.15 5.20





#16

Acetone

Concen: 2.033 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

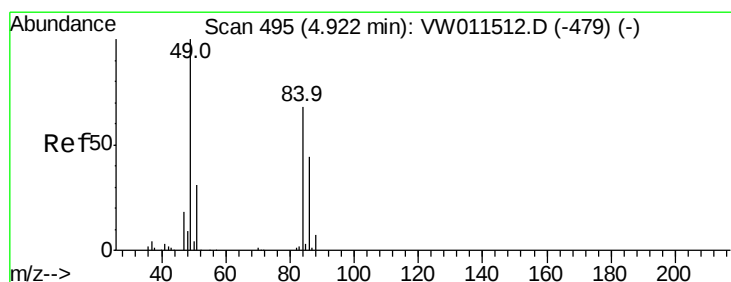
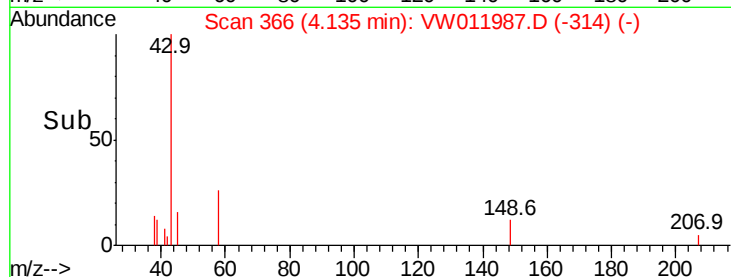
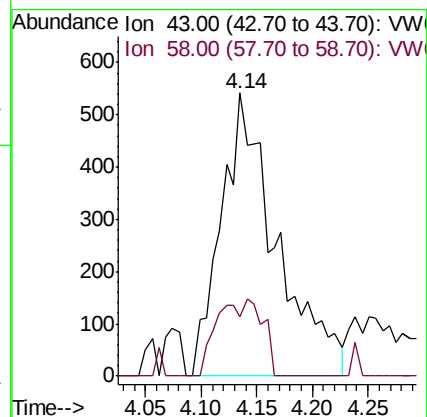
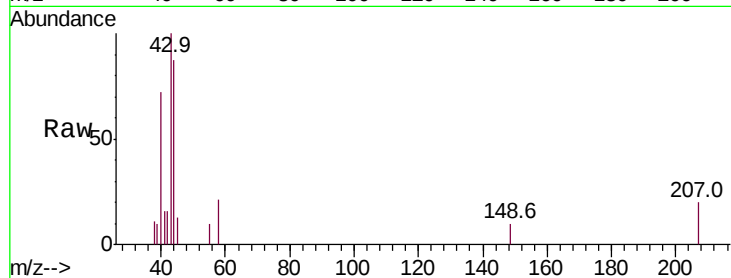
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

58 21.0 22.3 33.5#



#20

Methylene Chloride

Concen: 7.260 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Tgt Ion: 84 Resp: 23001

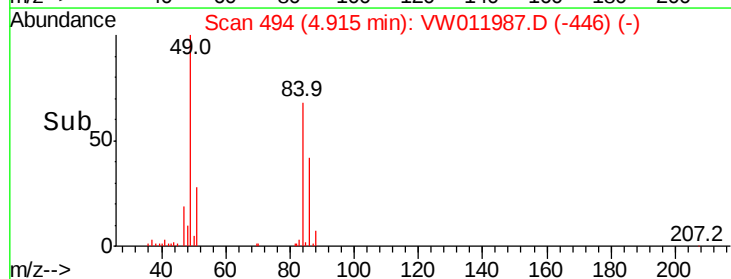
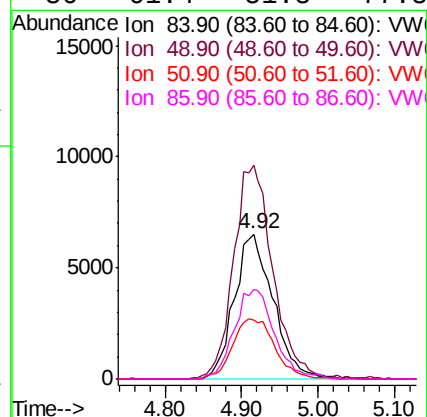
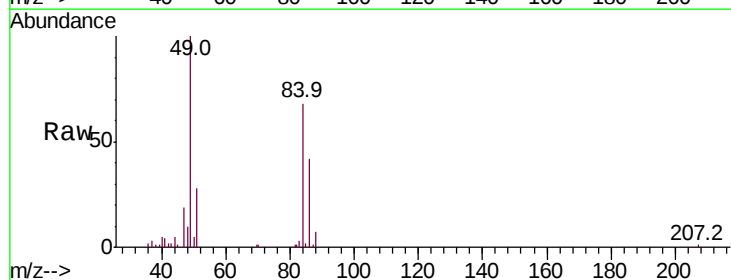
Ion Ratio Lower Upper

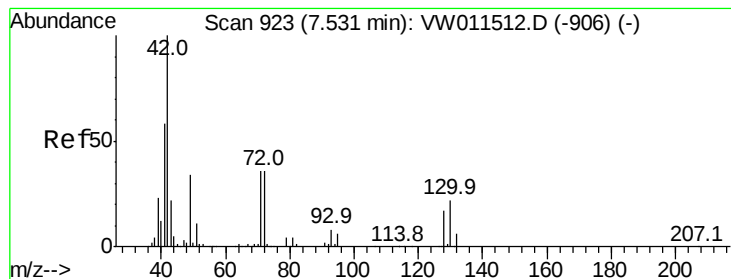
84 100

49 146.2 117.8 176.6

51 40.6 37.0 55.4

86 61.4 51.8 77.8





#29

Tetrahydrofuran

Concen: 7.793 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Instrument :
MSVOA_W
ClientSampled :

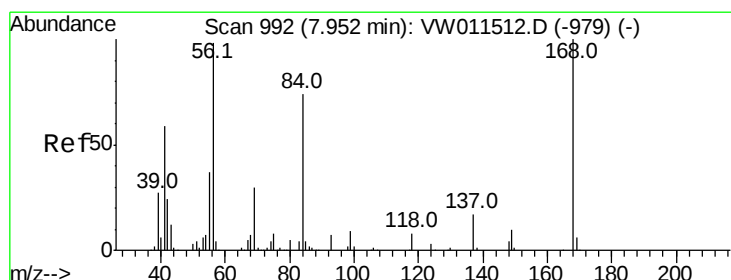
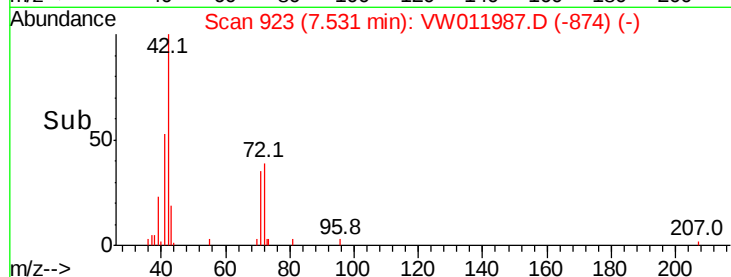
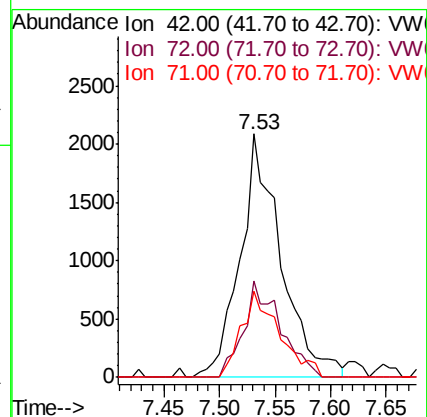
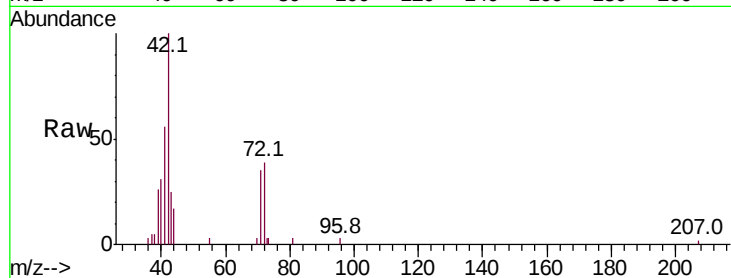
Tot Ion: 42 Resp: 5355

Ion Ratio Lower Upper

42 100

72 35.4 27.1 40.7

71 32.7 26.2 39.4



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

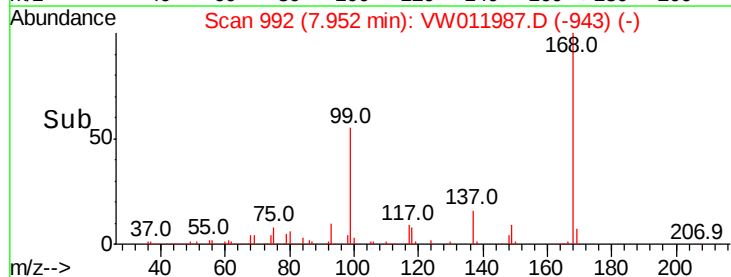
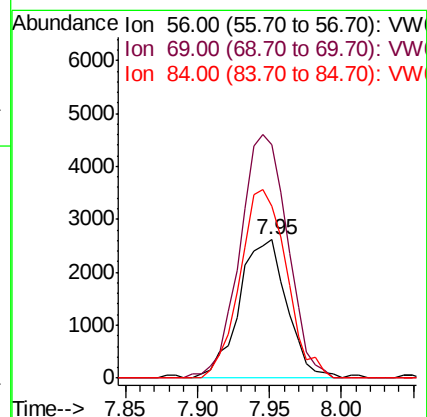
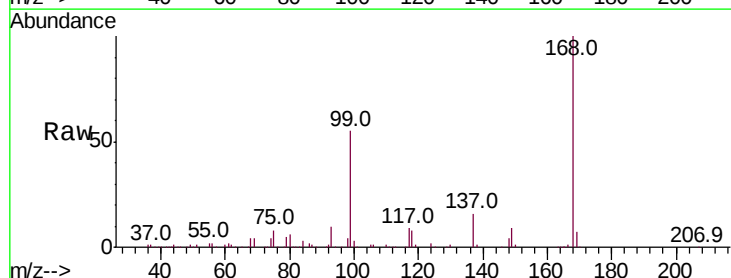
Tgt Ion: 56 Resp: 6028

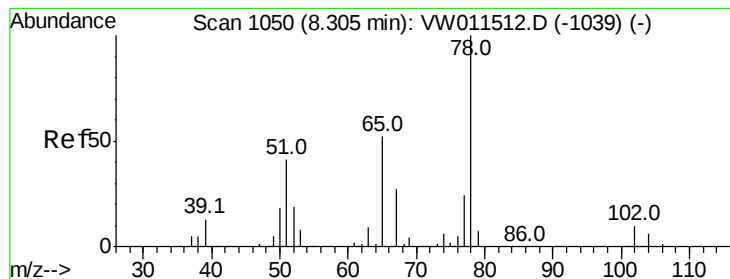
Ion Ratio Lower Upper

56 100

69 168.4 24.3 36.5#

84 124.6 60.4 90.6#





#33

1,2-Dichloroethane-d4

Concen: 53.797 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

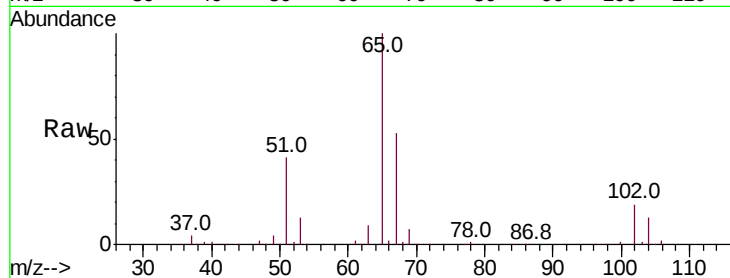
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 155367

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

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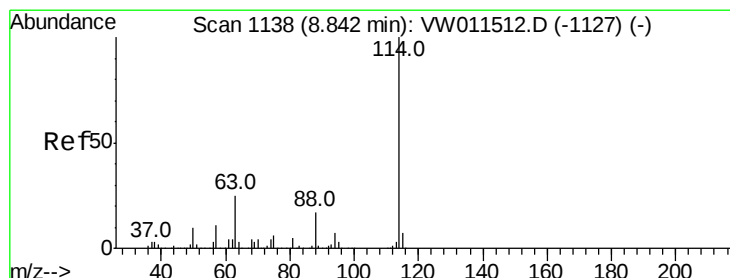
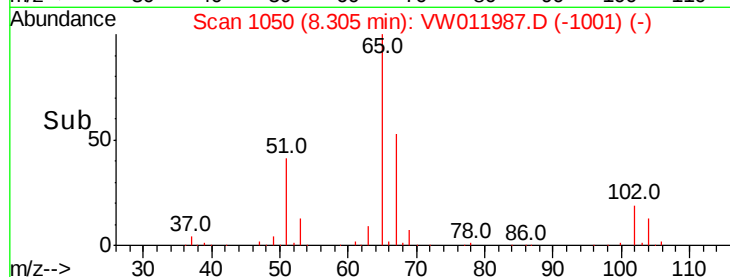
8.31

8.31

8.31

8.31

8.31



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

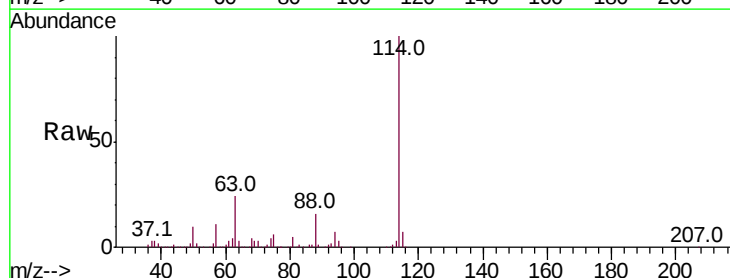
Tgt Ion:114 Resp: 416460

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 16.2 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

8.84

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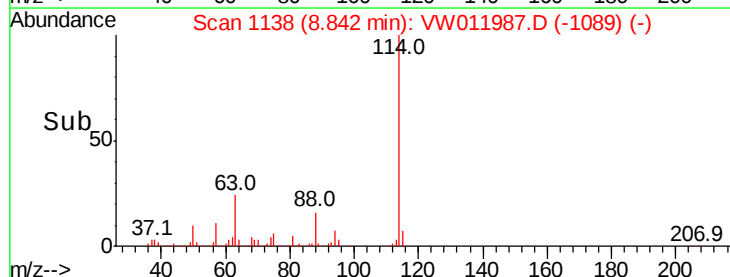
8.84

8.84

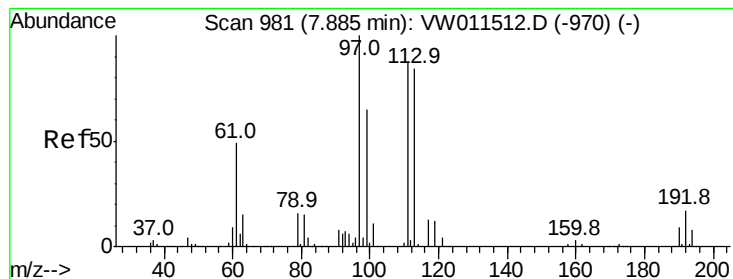
8.84

8.84

8.84



Time-->



#35

Dibromofluoromethane

Concen: 54.703 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

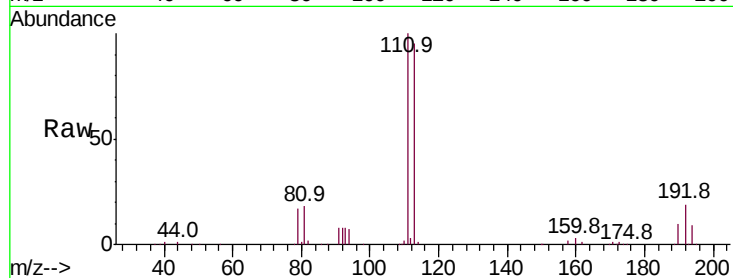
Tot Ion:113 Resp: 127810

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

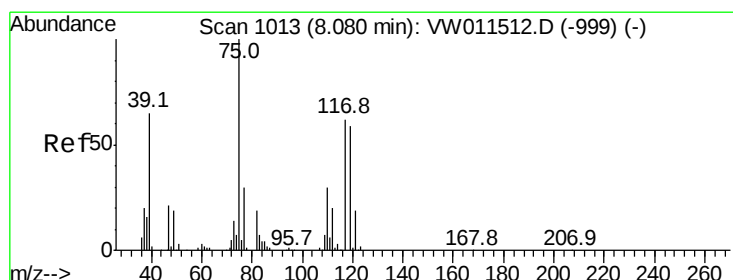
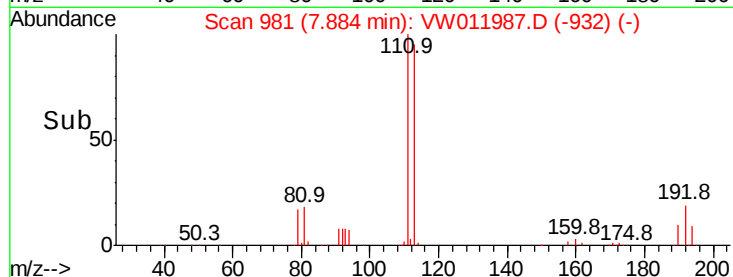
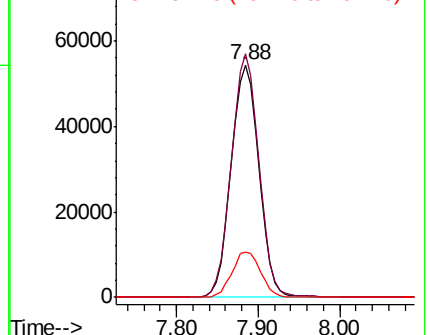
192 20.1 16.1 24.1



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: 4.826 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

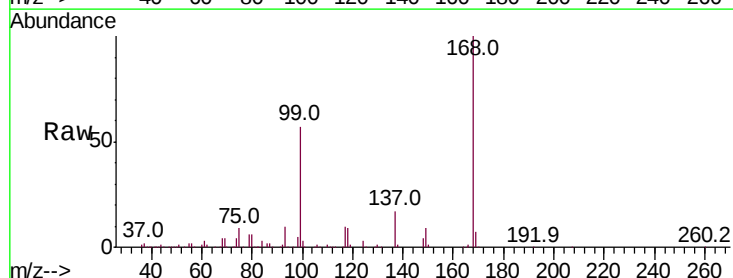
Tgt Ion: 75 Resp: 20900

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

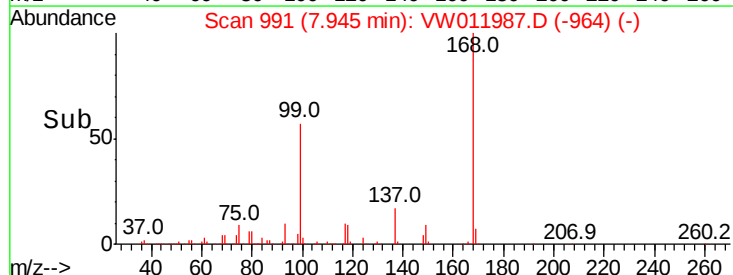
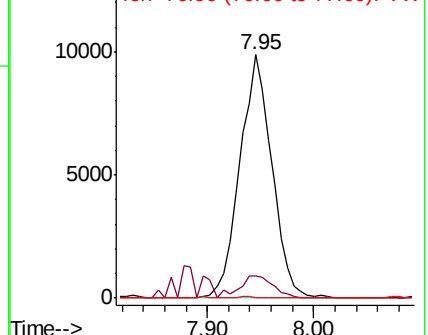
77 0.2 24.3 36.5#

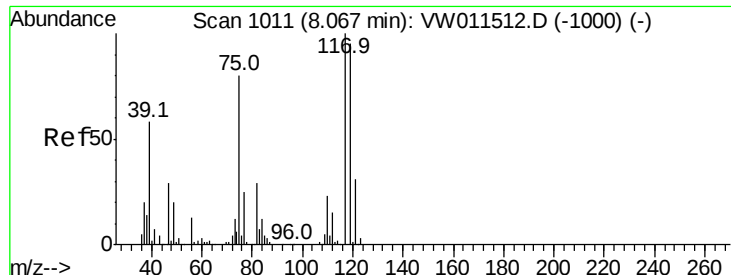


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.862 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampled :

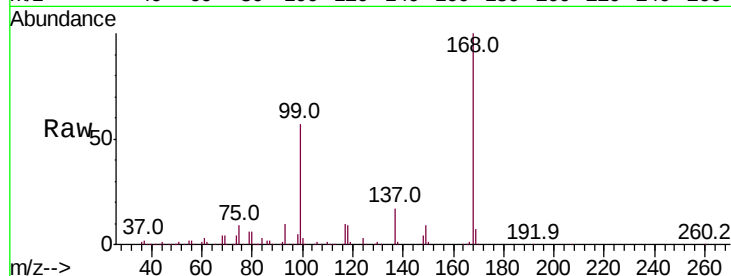
Tot Ion:117 Resp: 25437

Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.6#

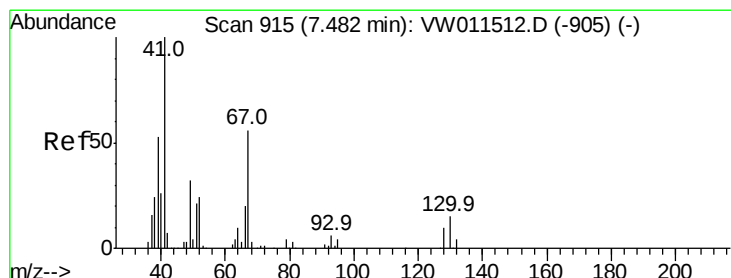
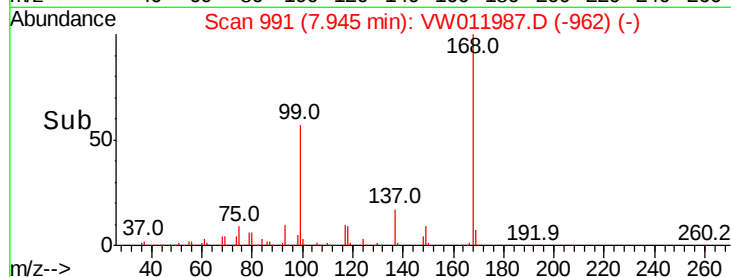
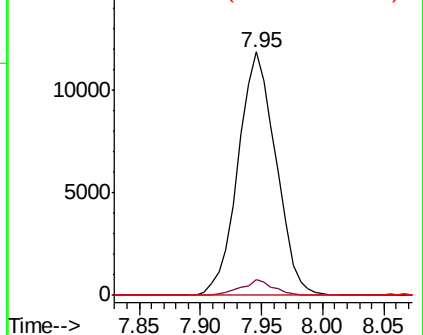
121 0.0 24.7 37.1#



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: 2.184 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Tgt Ion: 41 Resp: 3252

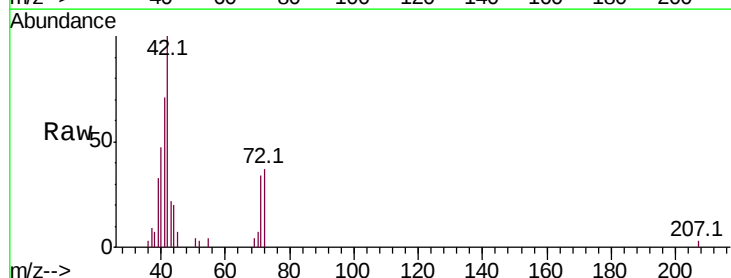
Ion Ratio Lower Upper

41 100

39 54.3 43.0 64.4

67 0.0 47.5 71.3#

52 0.6 21.0 31.6#

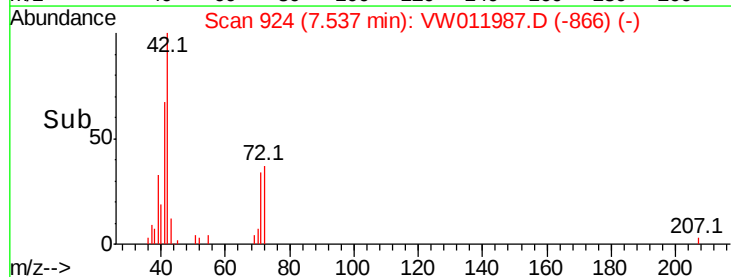
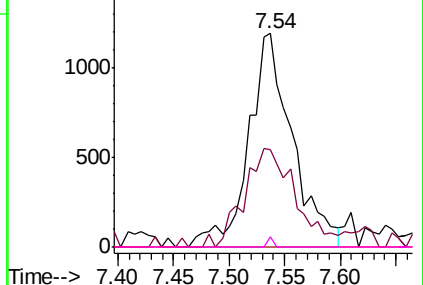


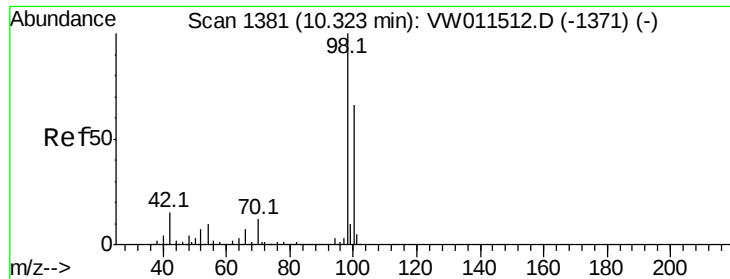
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.232 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Instrument :

MSVOA_W

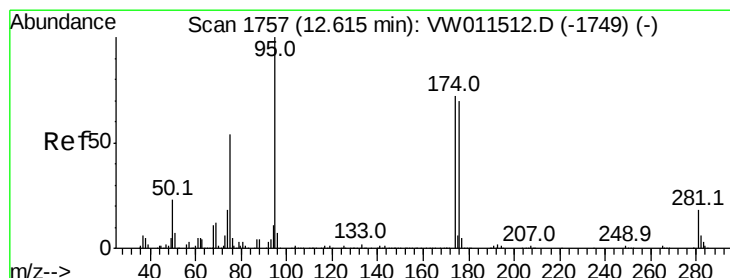
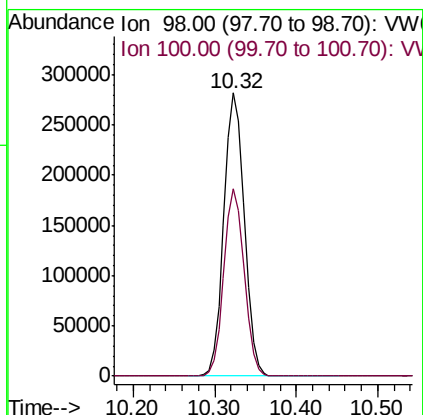
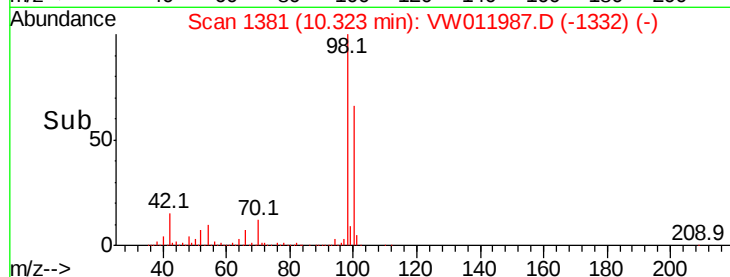
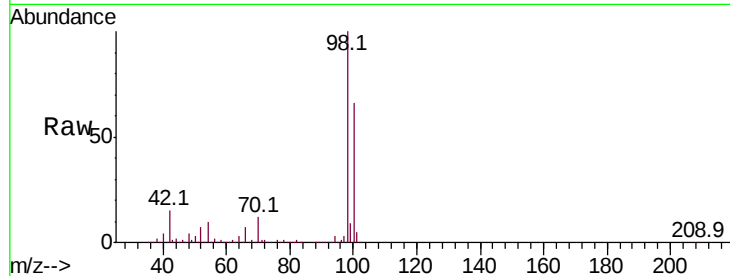
ClientSampleId :

Tot Ion: 98 Resp: 490080

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 38.859 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

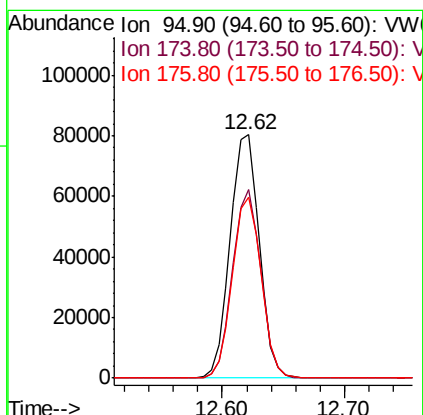
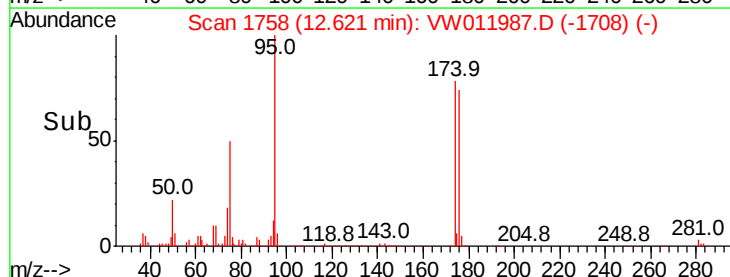
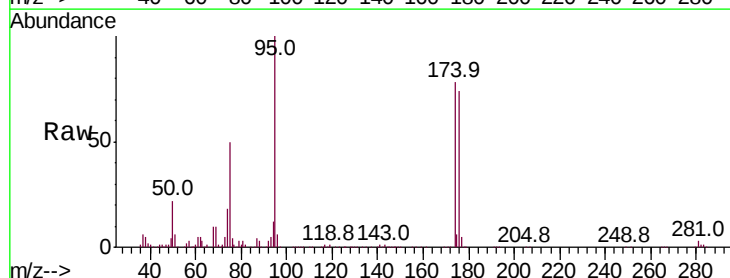
Tgt Ion: 95 Resp: 132526

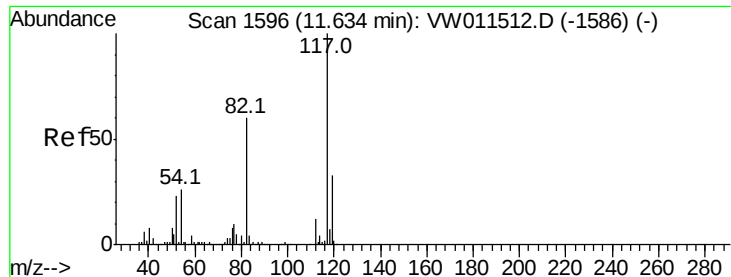
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

176 73.6 0.0 144.4

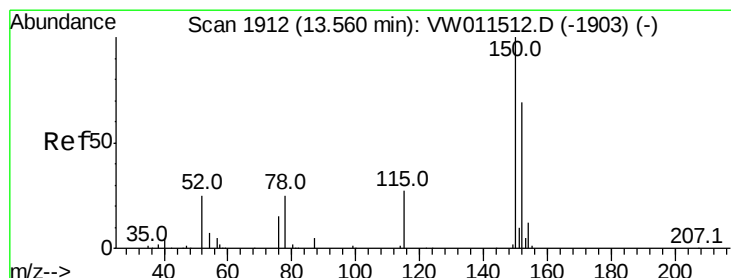
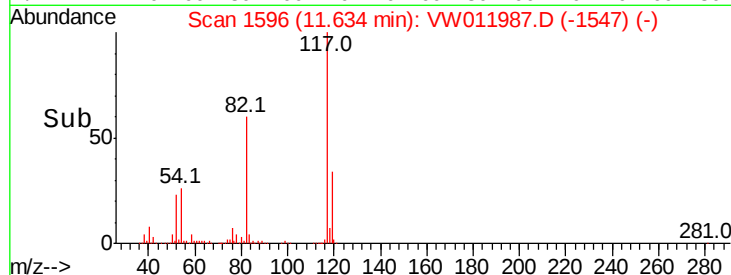
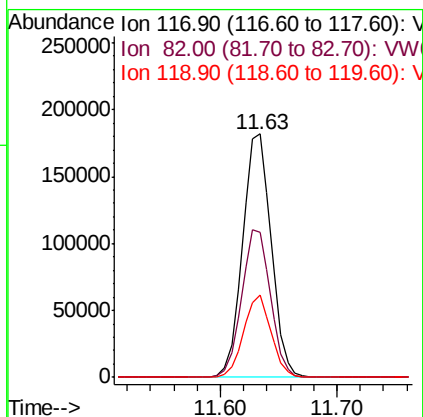
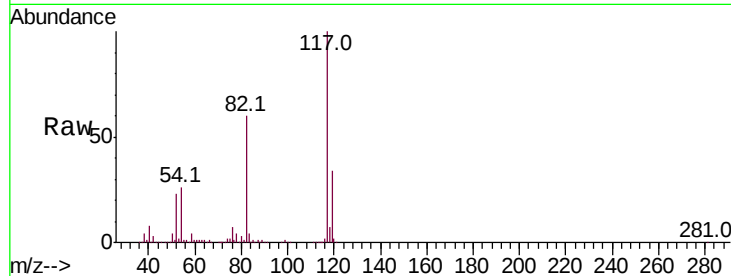




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011987.D
Acq: 19 Aug 2019 13:23

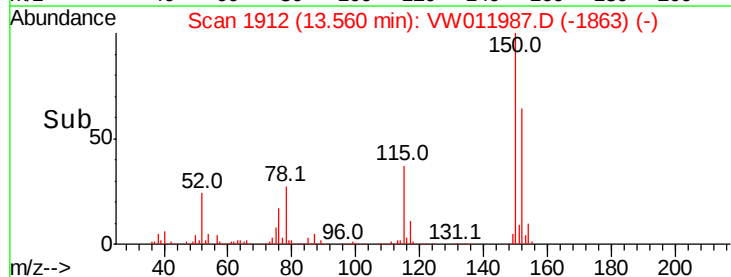
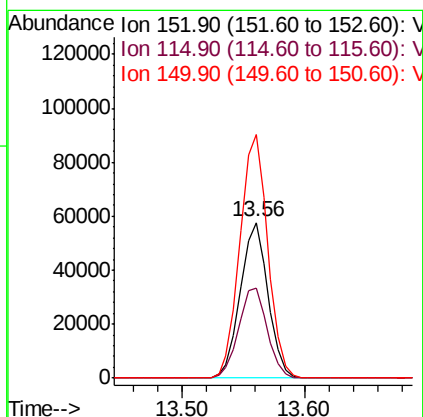
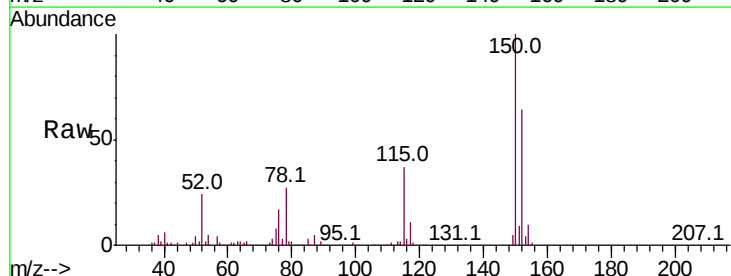
Instrument :
MSVOA_W
ClientSampled :

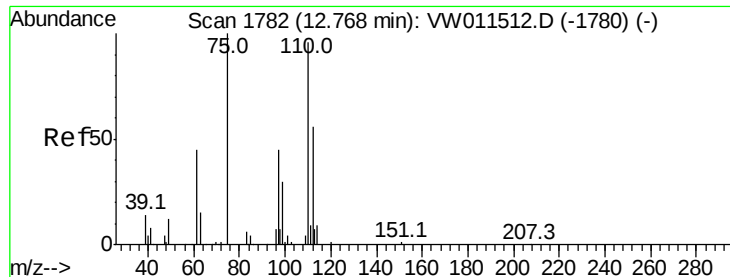
Tot Ion:117 Resp: 312757
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 33.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011987.D
Acq: 19 Aug 2019 13:23

Tgt Ion:152 Resp: 89960
Ion Ratio Lower Upper
152 100
115 59.9 30.5 91.5
150 158.4 0.0 352.6

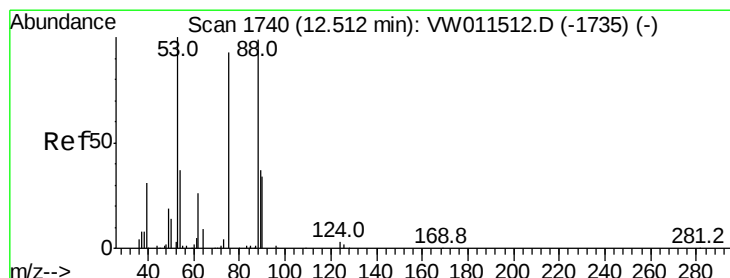
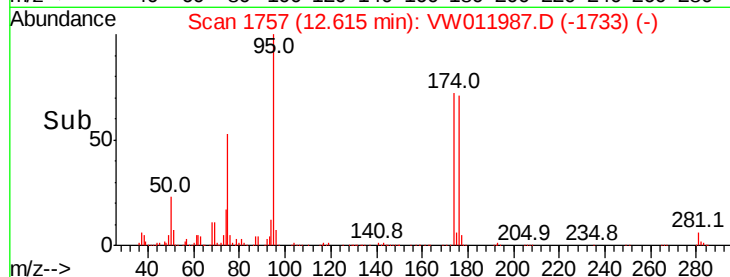
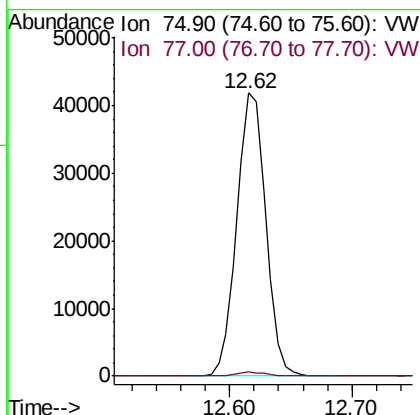
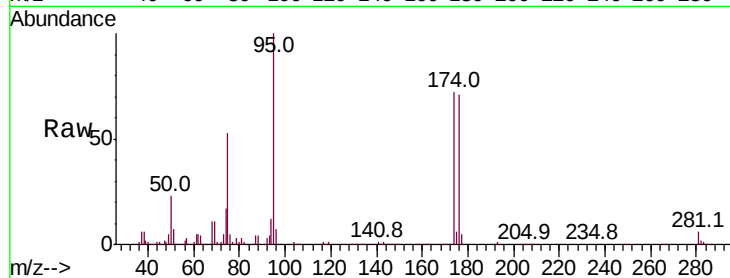




#76
 1,2,3-Trichloropropane
 Concen: 72.285 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011987.D
 Acq: 19 Aug 2019 13:23

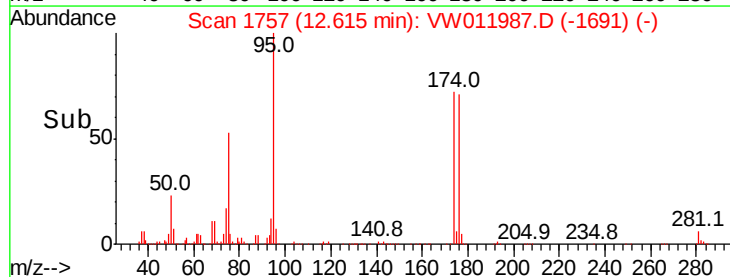
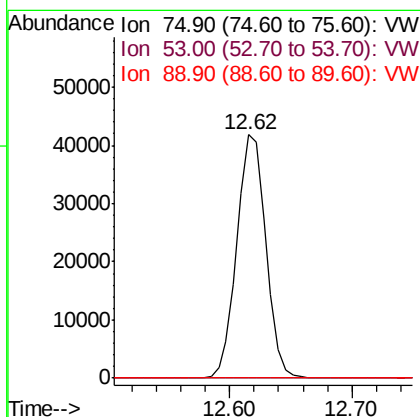
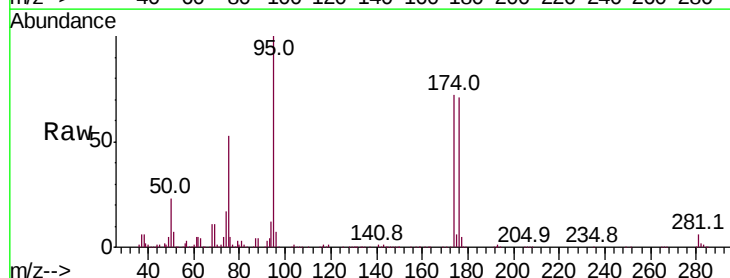
Instrument :
 MSVOA_W
 ClientSampleId :

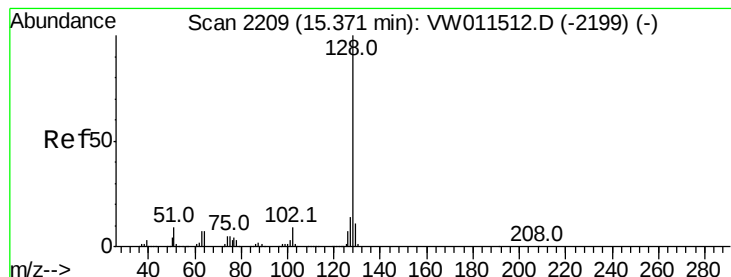
Tot Ion: 75 Resp: 68807
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 166.593 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011987.D
 Acq: 19 Aug 2019 13:23

Tgt Ion: 75 Resp: 68807
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.2 35.3 52.9#





#95

Naphthalene

Concen: 2.116 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

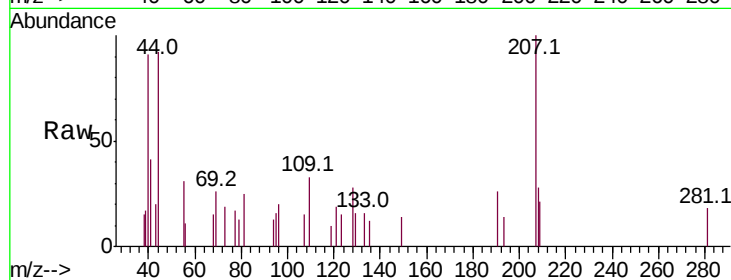
Lab File: VW011987.D

Acq: 19 Aug 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :



Tot Ion:	128	Resp:	184
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	47.3	8.6	13.0#

