

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011988.D
 Acq On : 19 Aug 2019 13:49
 Operator : SY/VA
 Sample : K4385-08
 Misc : 4.09G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 14:47:42 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	259643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108393	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	158629	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
35) Dibromofluoromethane	7.88	113	129426	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	
50) Toluene-d8	10.32	98	514237	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.62	95	147466	41.96	ug/l	0.00
Spiked Amount			Recovery	=	83.92%	

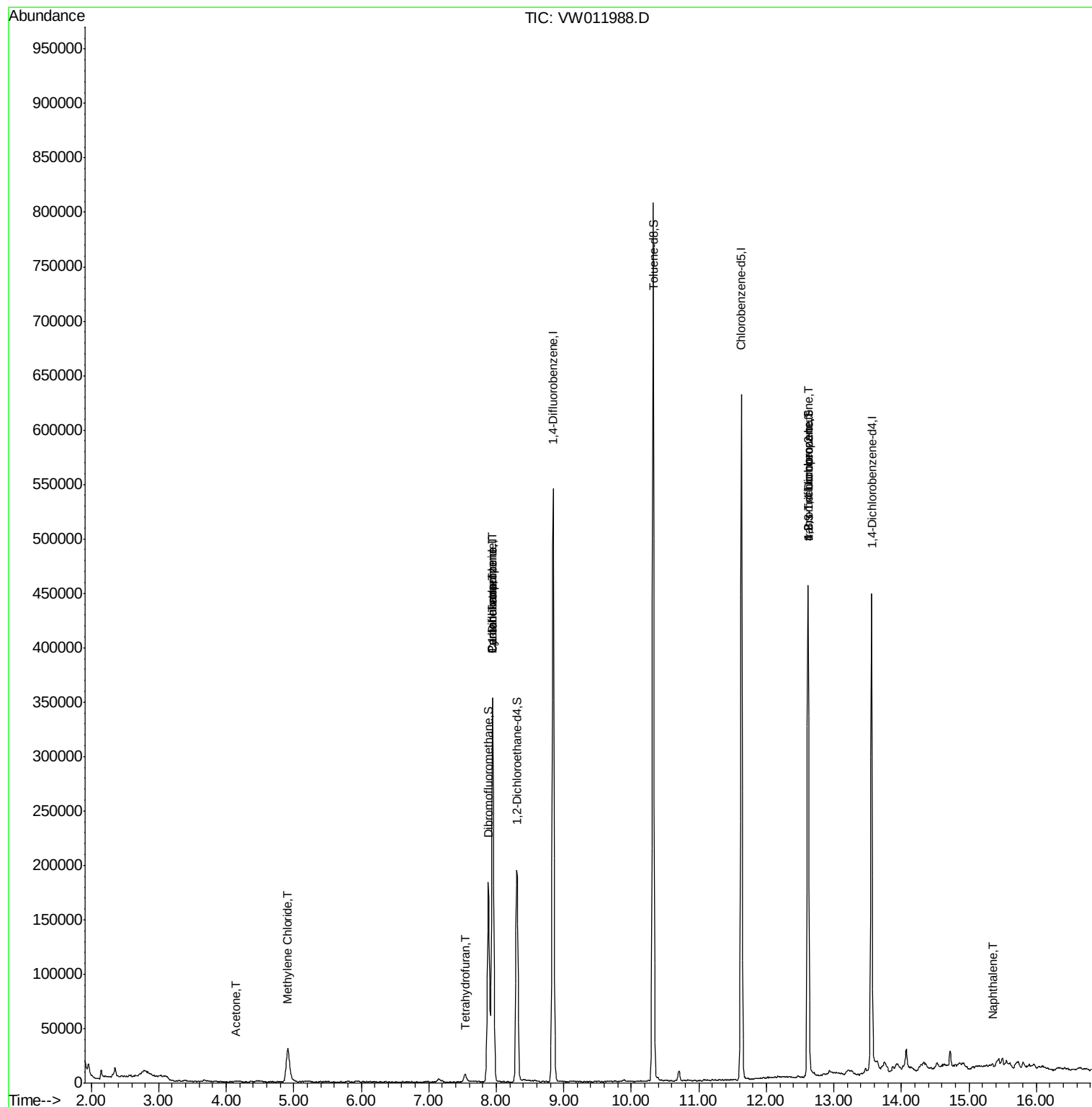
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	303	Below Cal	#	72
16) Acetone	4.14	43	1749	1.844	ug/l	89
20) Methylene Chloride	4.91	84	24303	7.430	ug/l	95
29) Tetrahydrofuran	7.54	42	6609	9.317	ug/l	97
31) Cyclohexane	7.95	56	6042	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21913	4.911	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25368	6.641	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	77532	67.600	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77532	155.795	ug/l #	6
95) Naphthalene	15.36	128	375	2.150	ug/l #	63

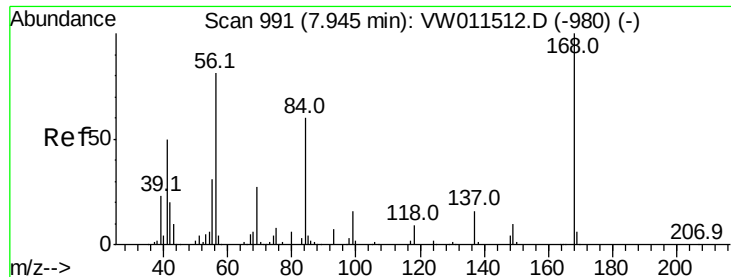
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011988.D

Acq: 19 Aug 2019 13:49

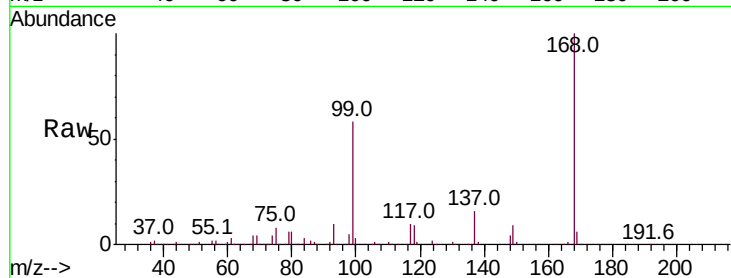
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 259643

Ion Ratio Lower Upper

168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

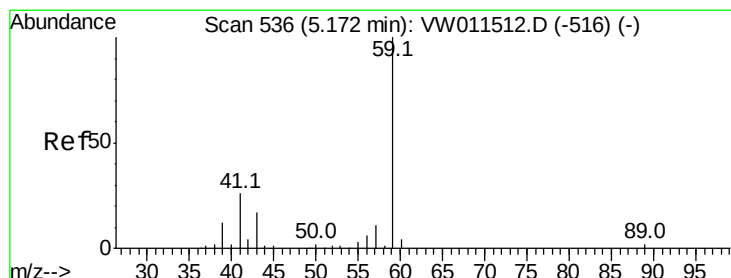
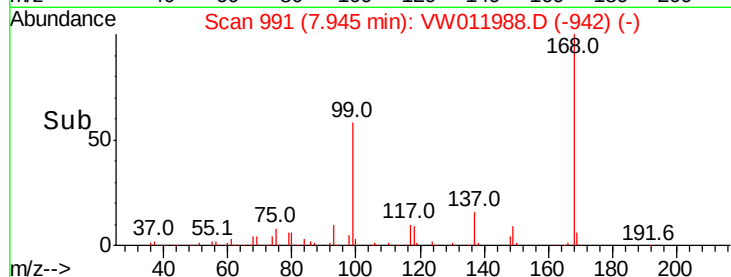
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW011988.D

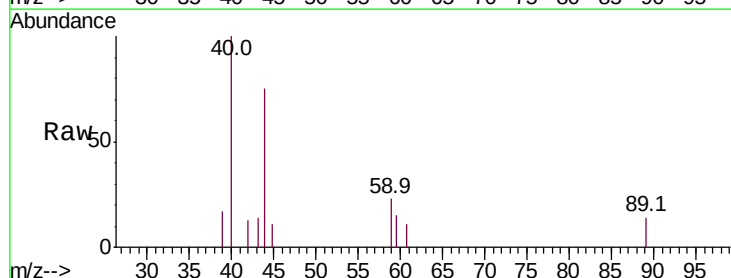
Acq: 19 Aug 2019 13:49

Tgt Ion: 59 Resp: 303

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

200

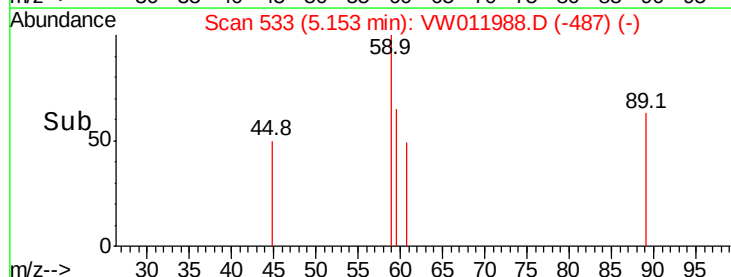
150

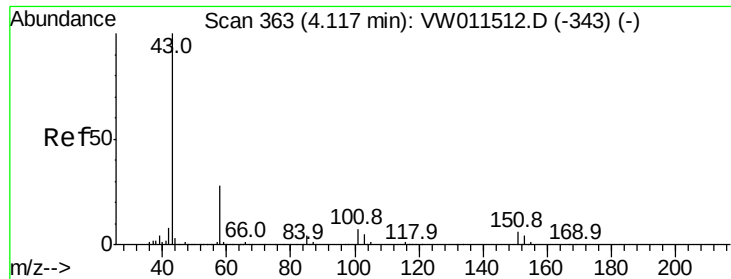
100

50

0

Time--> 5.10 5.15





#16

Acetone

Concen: 1.844 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011988.D

Acq: 19 Aug 2019 13:49

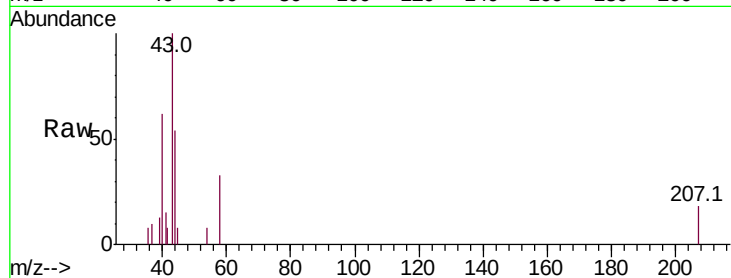
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1749

Ion Ratio Lower Upper

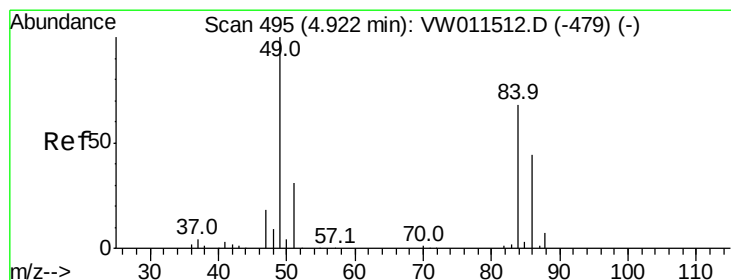
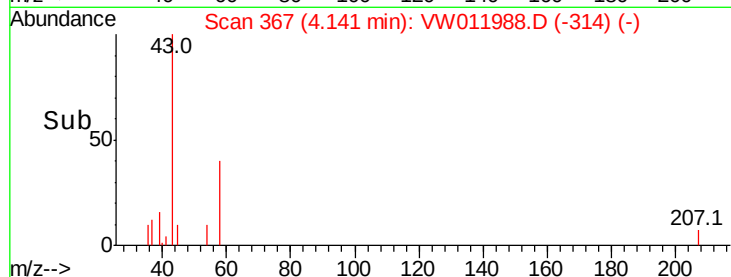
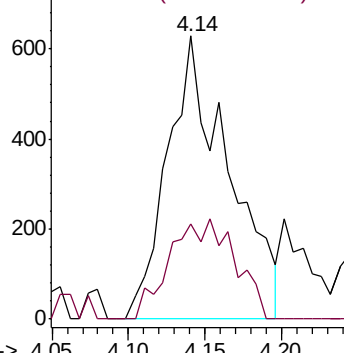
43 100

58 33.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 7.430 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011988.D

Acq: 19 Aug 2019 13:49

Tgt Ion: 84 Resp: 24303

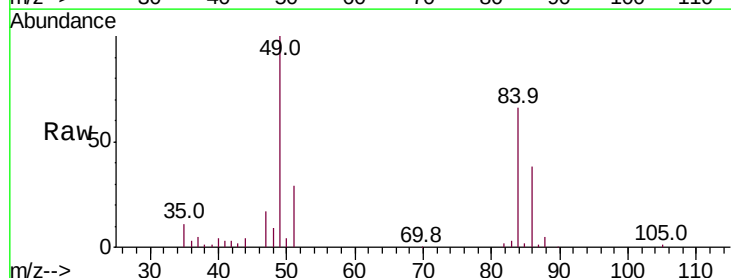
Ion Ratio Lower Upper

84 100

49 152.0 117.8 176.6

51 43.4 37.0 55.4

86 57.5 51.8 77.8

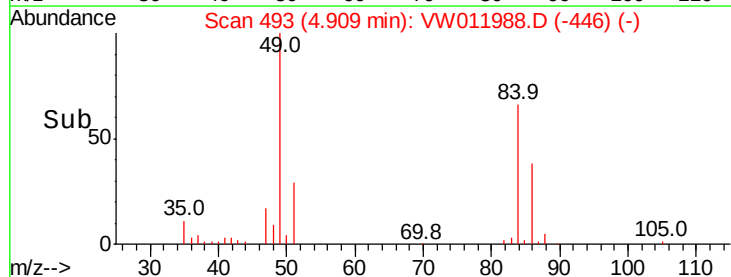
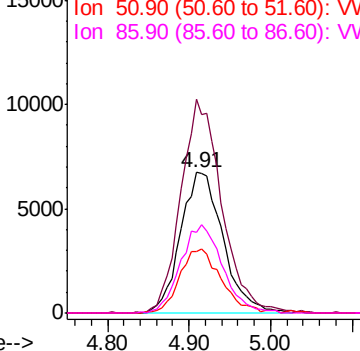


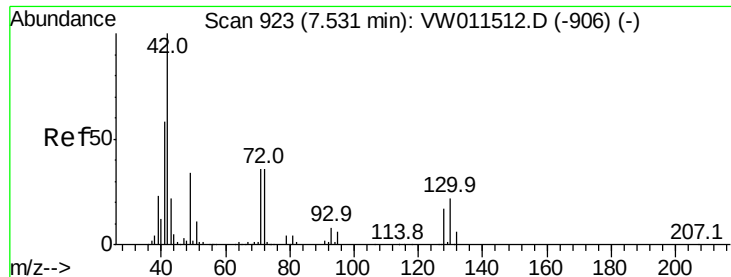
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

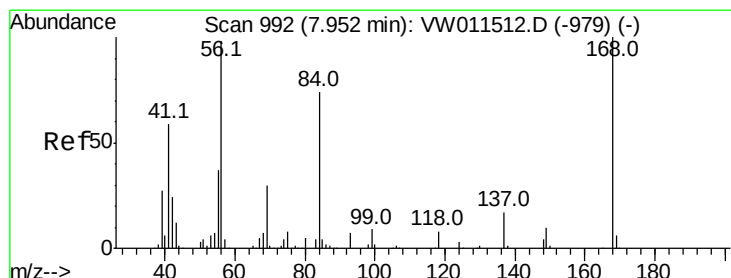
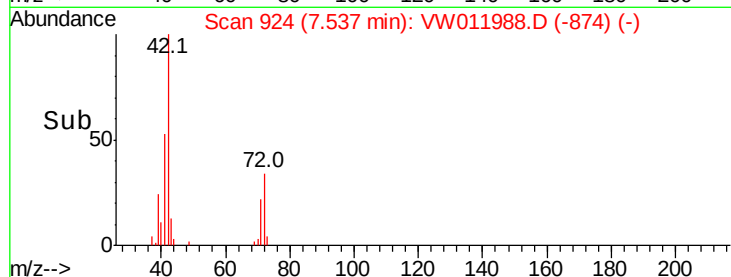
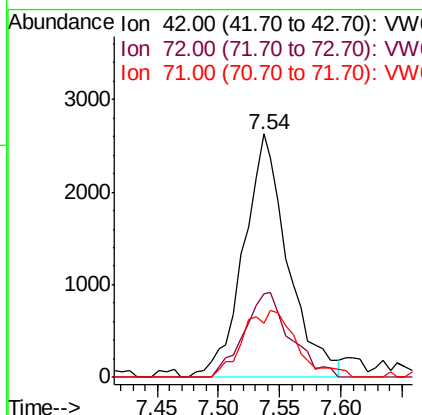
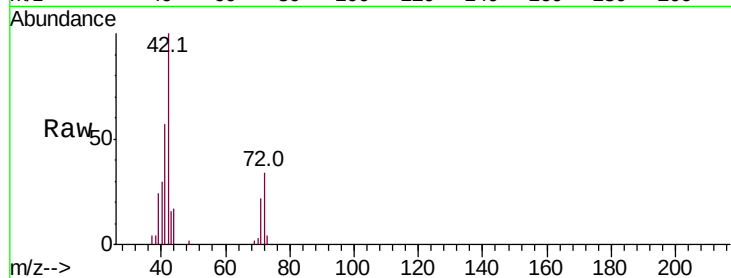




#29
Tetrahydrofuran
Concen: 9.317 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011988.D
Acq: 19 Aug 2019 13:49

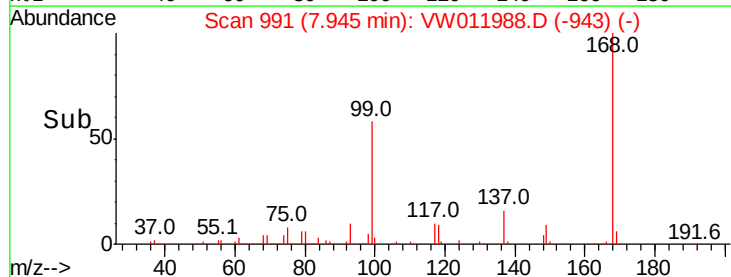
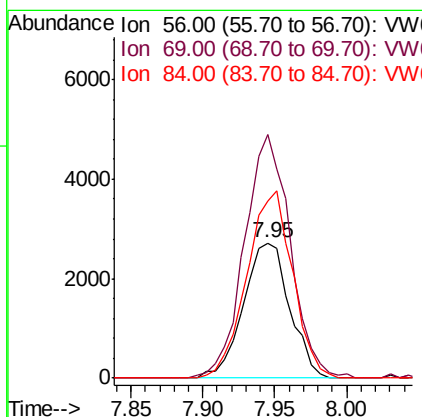
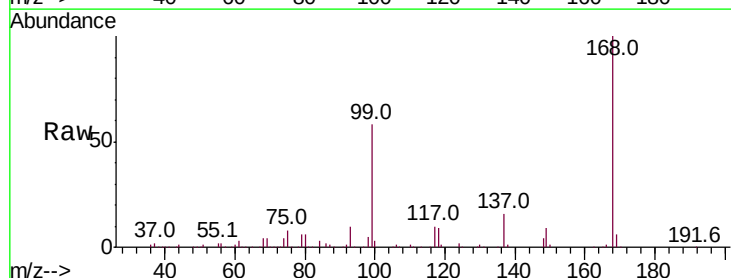
Instrument :
MSVOA_W
ClientSampled :

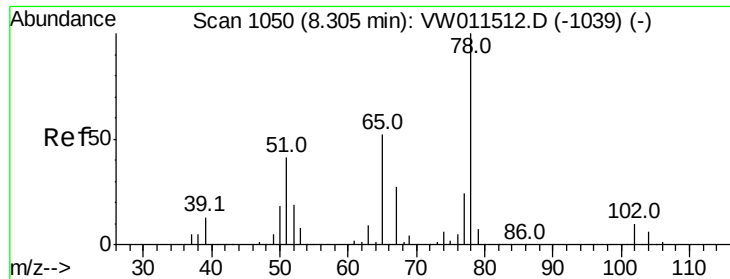
Tot Ion: 42 Resp: 6609
Ion Ratio Lower Upper
42 100
72 36.6 27.1 40.7
71 33.4 26.2 39.4



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011988.D
Acq: 19 Aug 2019 13:49

Tgt Ion: 56 Resp: 6042
Ion Ratio Lower Upper
56 100
69 179.9 24.3 36.5#
84 131.1 60.4 90.6#

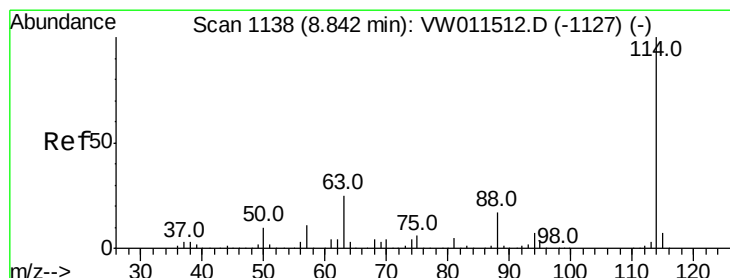
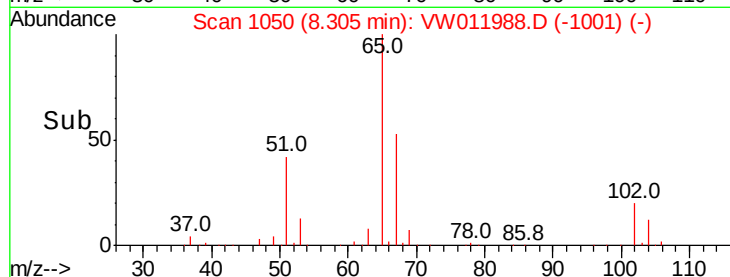
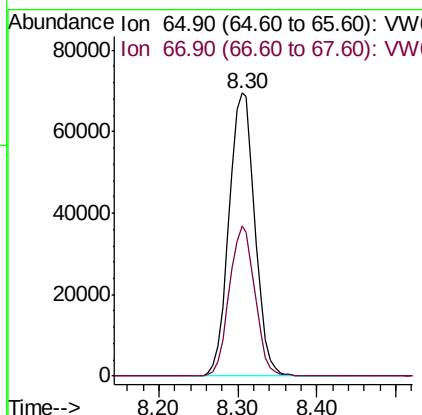
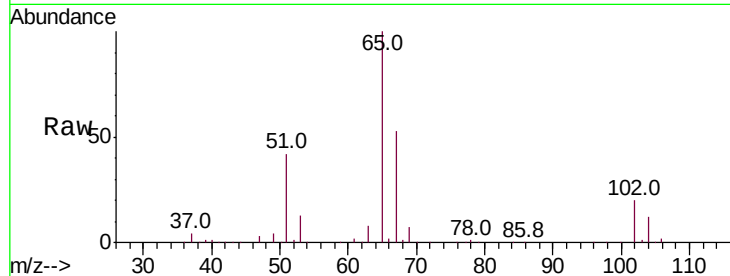




#33
 1,2-Dichloroethane-d4
 Concen: 53.206 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

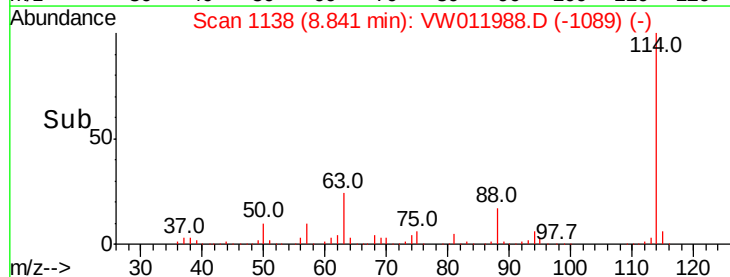
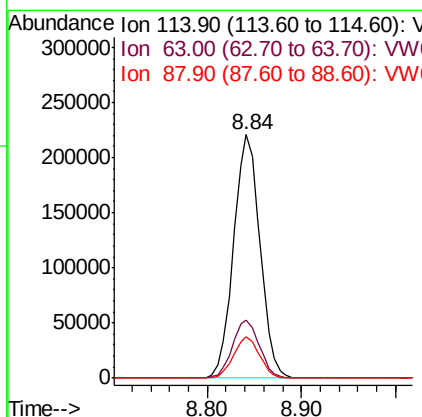
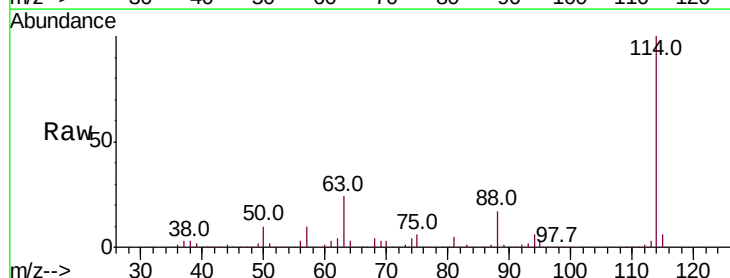
Instrument :
 MSVOA_W
 ClientSampleId :

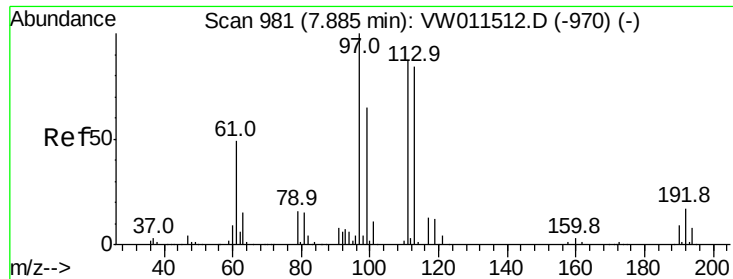
Tot Ion: 65 Resp: 158629
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Tgt Ion: 114 Resp: 429149
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.0 0.0 33.8

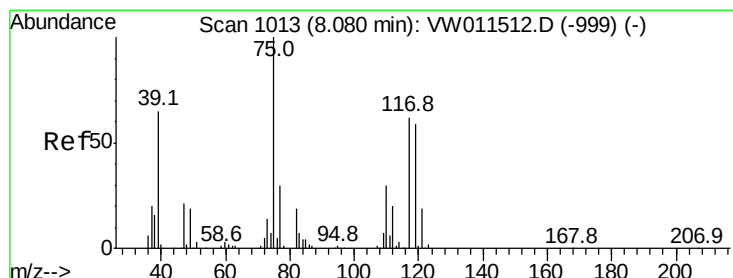
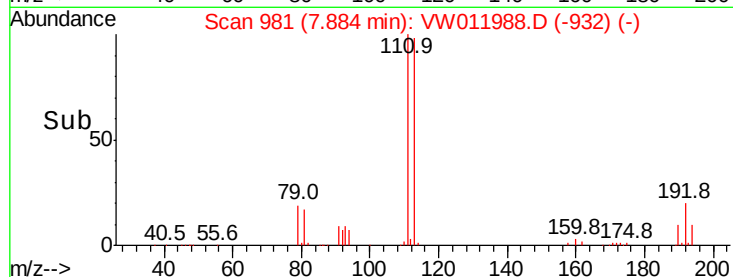
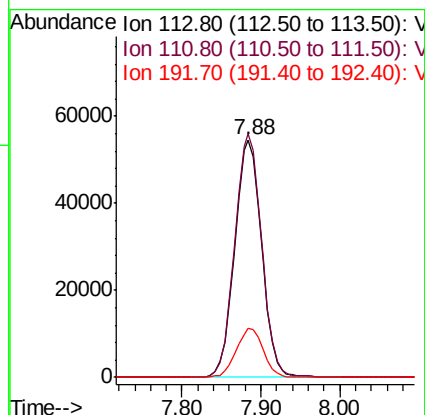
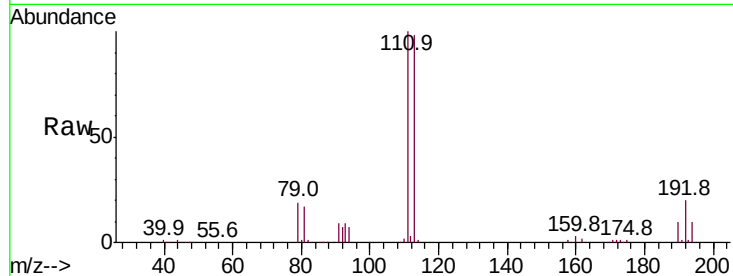




#35
 Dibromofluoromethane
 Concen: 53.757 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

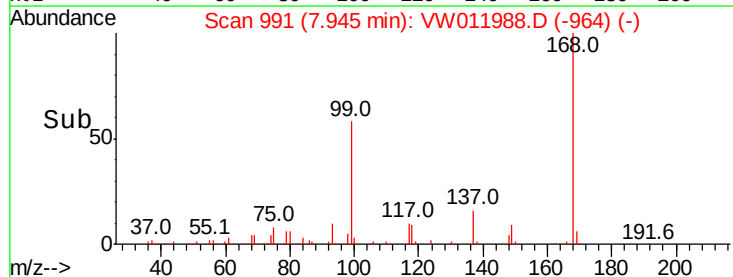
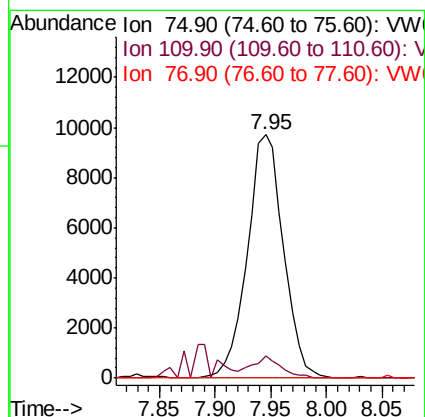
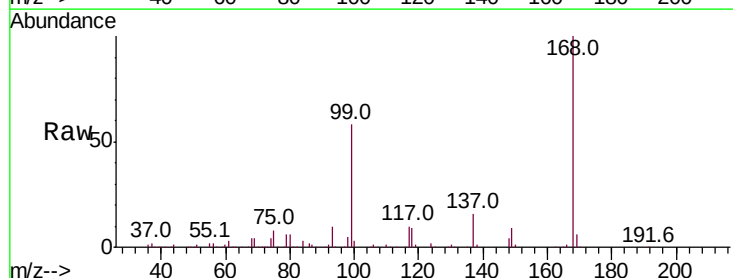
Instrument :
 MSVOA_W
 ClientSampleId :

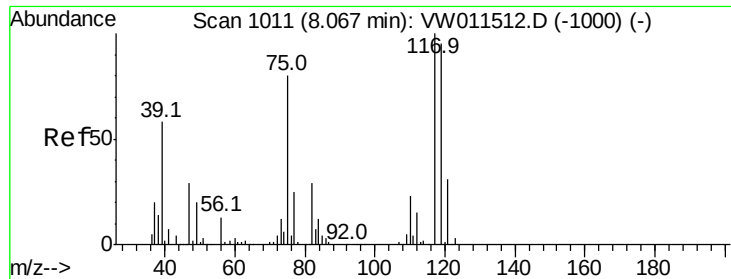
Tot Ion:113 Resp: 129426
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.911 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Tgt Ion: 75 Resp: 21913
 Ion Ratio Lower Upper
 75 100
 110 7.2 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.641 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011988.D

Acq: 19 Aug 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

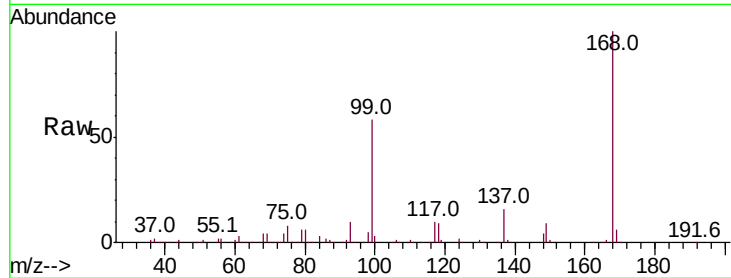
Tot Ion:117 Resp: 25368

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

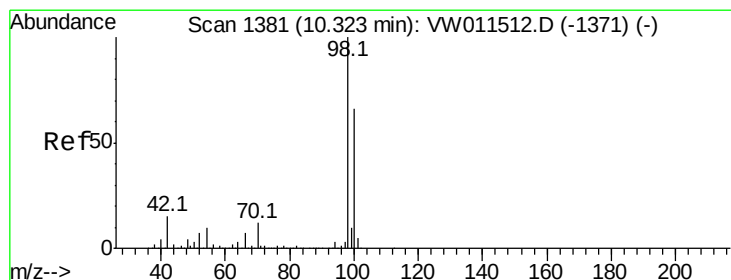
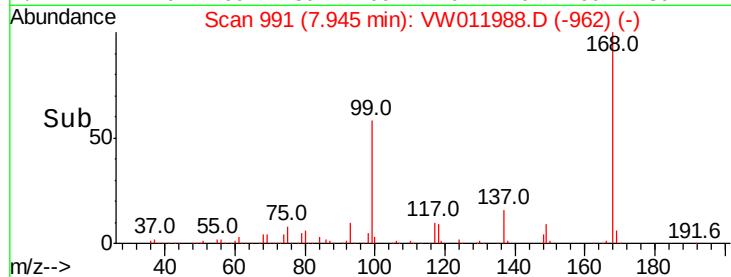
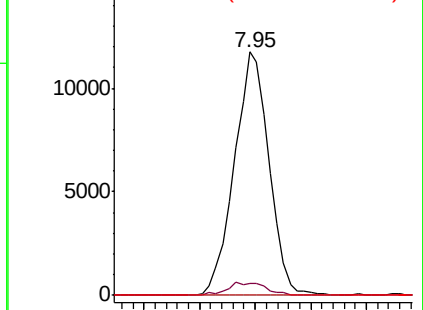
121 0.0 24.7 37.1#



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: 52.167 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011988.D

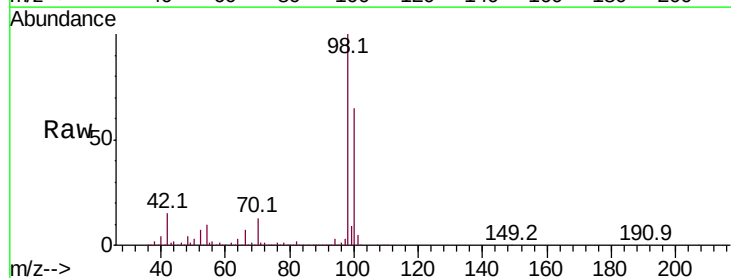
Acq: 19 Aug 2019 13:49

Tgt Ion: 98 Resp: 514237

Ion Ratio Lower Upper

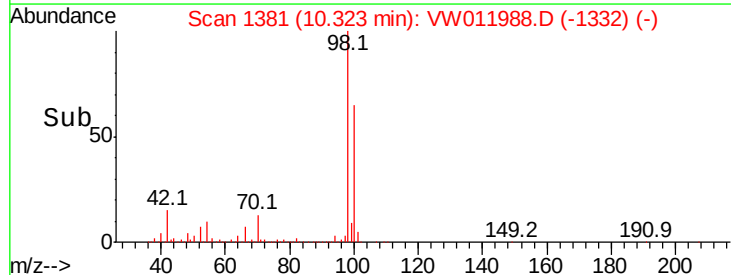
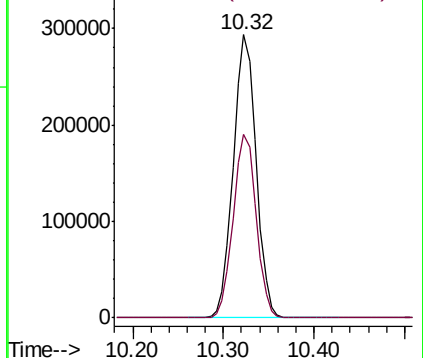
98 100

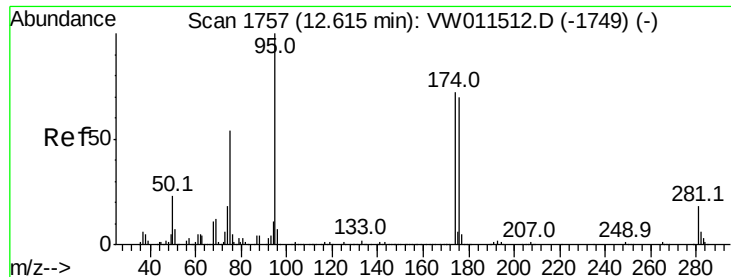
100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

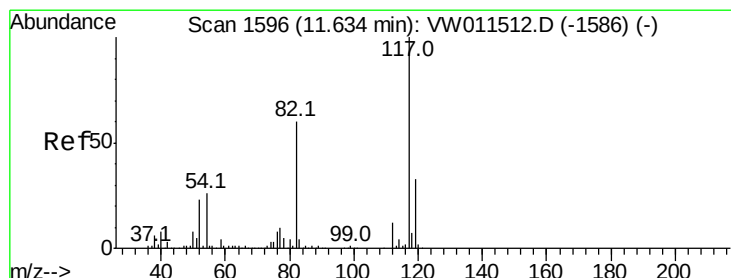
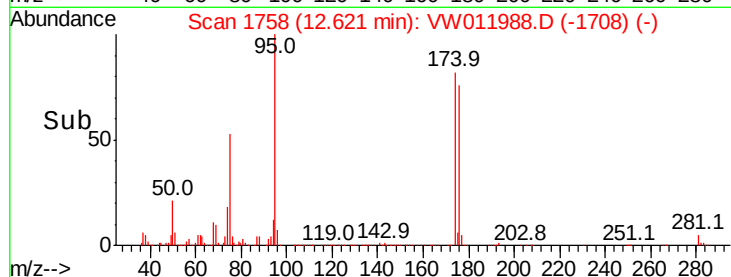
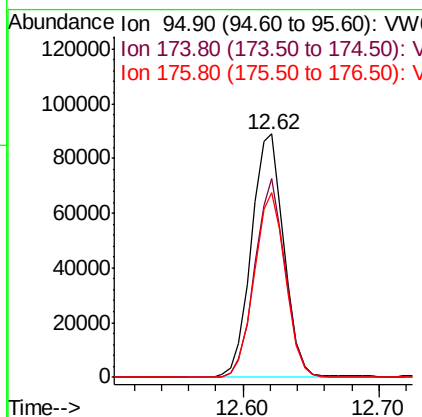
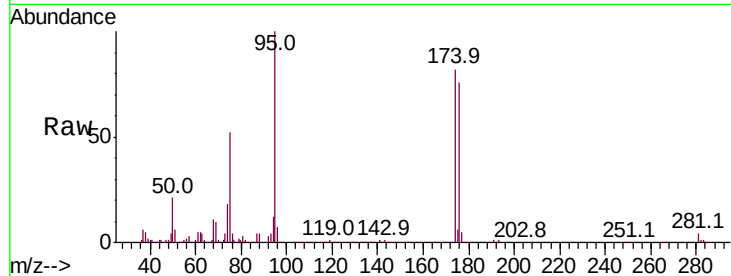




#62
4-Bromofluorobenzene
Concen: 41.961 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011988.D
Acq: 19 Aug 2019 13:49

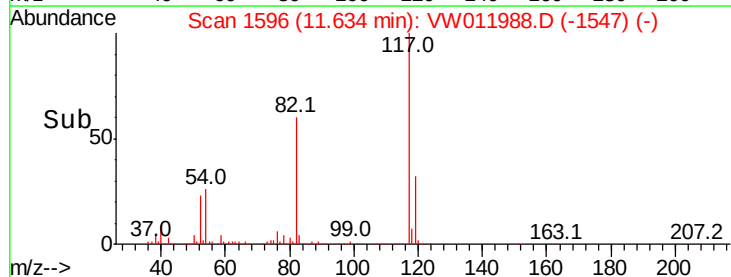
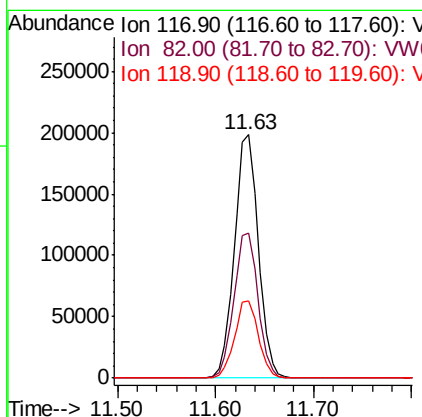
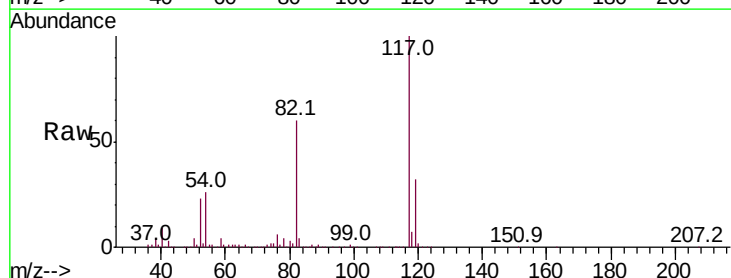
Instrument :
MSVOA_W
ClientSampled :

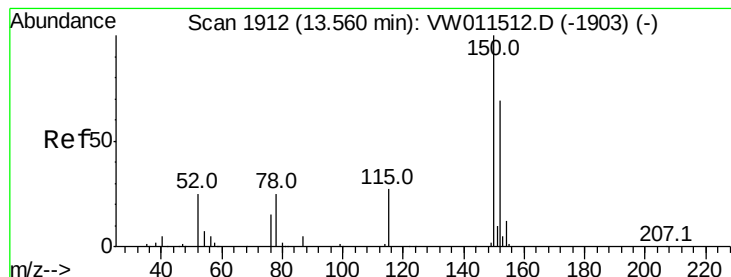
Tot Ion: 95 Resp: 147466
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.2
176 74.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011988.D
Acq: 19 Aug 2019 13:49

Tgt Ion: 117 Resp: 336580
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 31.9 26.2 39.2

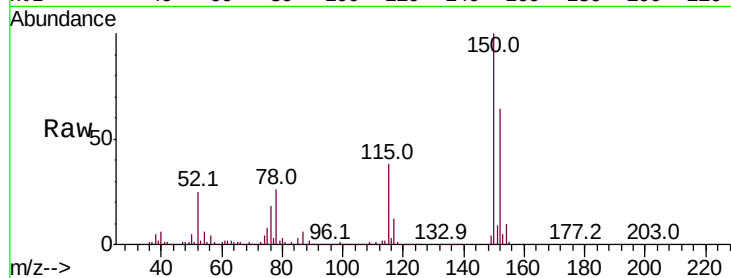




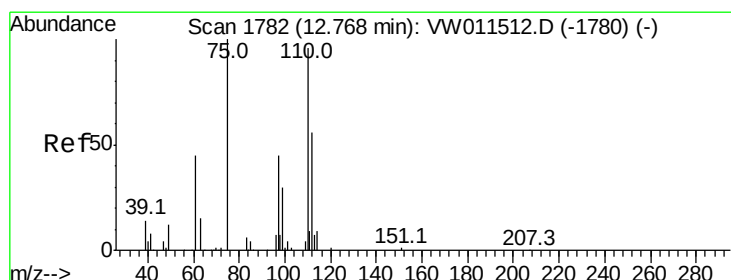
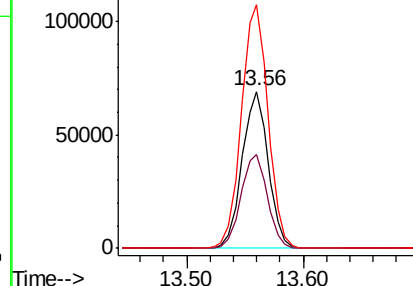
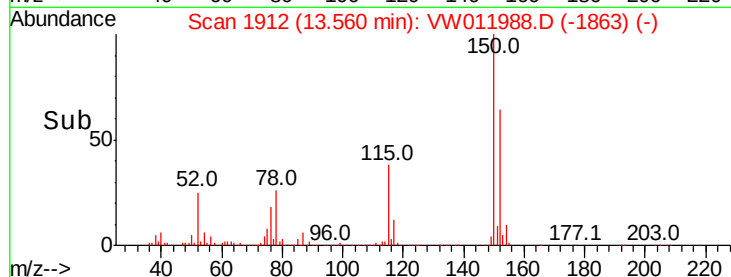
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:152 Resp: 108393
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.5 91.5
 150 157.6 0.0 352.6

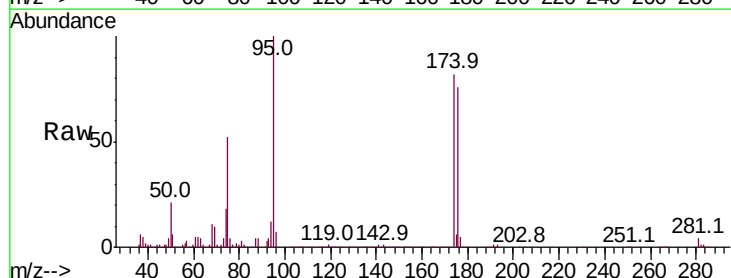


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

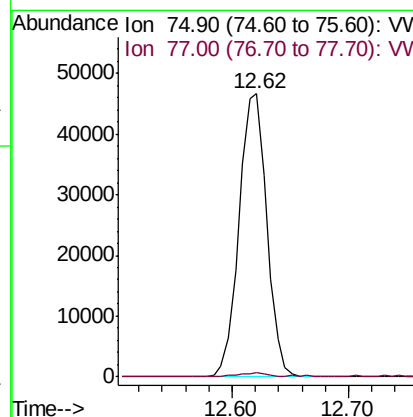
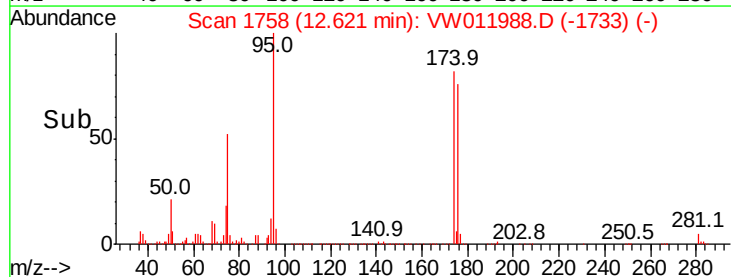


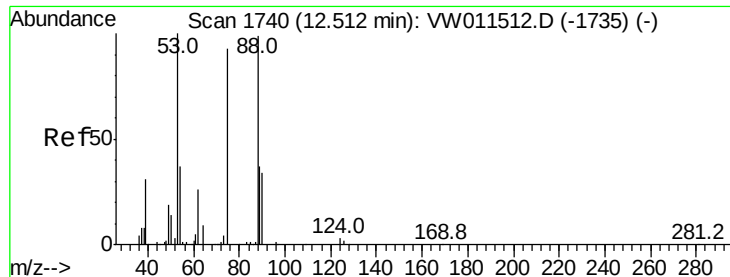
#76
 1,2,3-Trichloropropane
 Concen: 67.600 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Tgt Ion: 75 Resp: 77532
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW

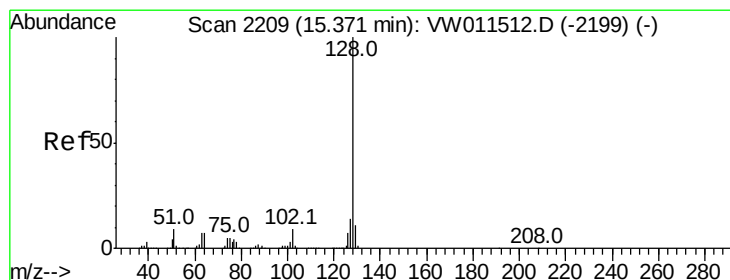
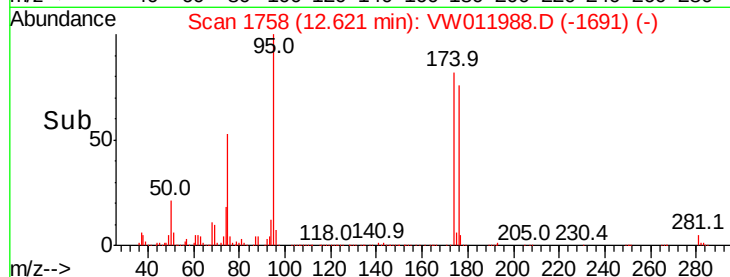
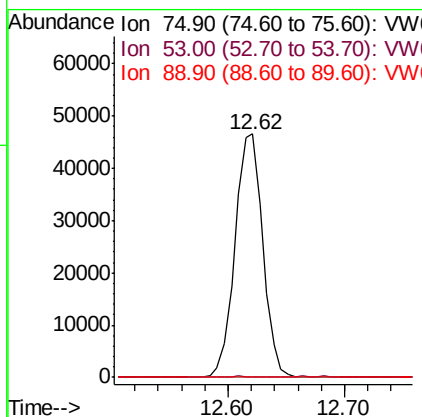
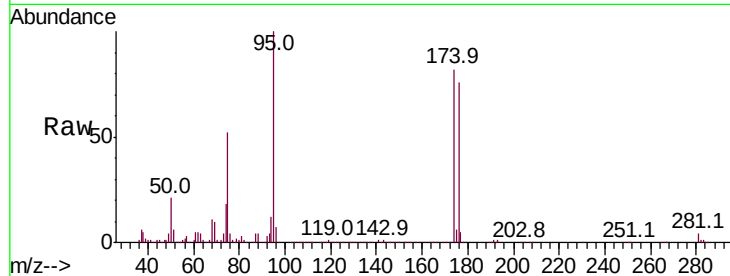




#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.795 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 77532
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.1 35.3 52.9#



#95
 Naphthalene
 Concen: 2.150 ug/l
 RT: 15.36 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: VW011988.D
 Acq: 19 Aug 2019 13:49

Tgt Ion: 128 Resp: 375
 Ion Ratio Lower Upper
 128 100
 127 15.2 10.6 16.0
 129 39.7 8.6 13.0#

