

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW093019\
 Data File : VW013354.D
 Acq On : 01 Oct 2019 02:06
 Operator : SY/VA
 Sample : K4946-05
 Misc : 7.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (10-12)

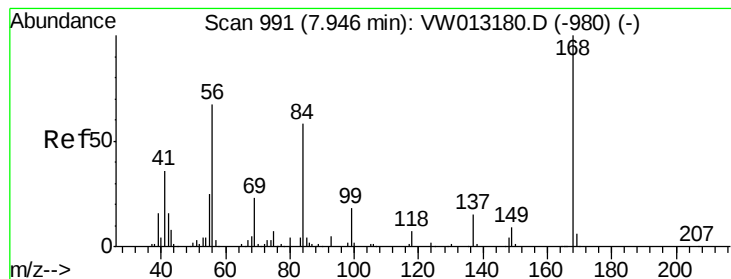
Quant Time: Oct 01 05:42:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	375283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	566695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202587	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	162213	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
35) Dibromofluoromethane	7.88	113	159316	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
50) Toluene-d8	10.32	98	658981	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	199803	44.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	475	Below Cal	#	73
16) Acetone	4.14	43	5153	7.460	ug/l	95
20) Methylene Chloride	4.91	84	9191	Below Cal		90
26) 2,2-Dichloropropane	7.15	77	406	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	22933	4.178	ug/l #	49
38) Carbon Tetrachloride	7.94	117	32094	6.523	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2484	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	94861	53.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94861	118.975	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

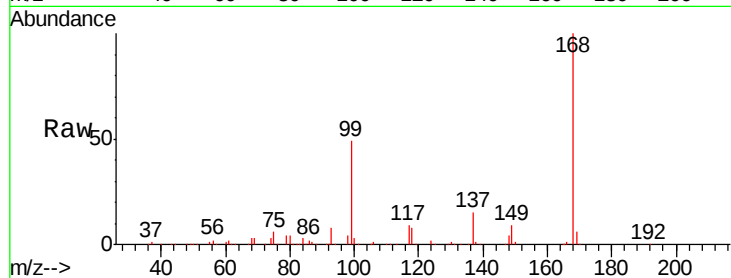
GP-2 (10-12)

Tgt Ion:168 Resp: 375283

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

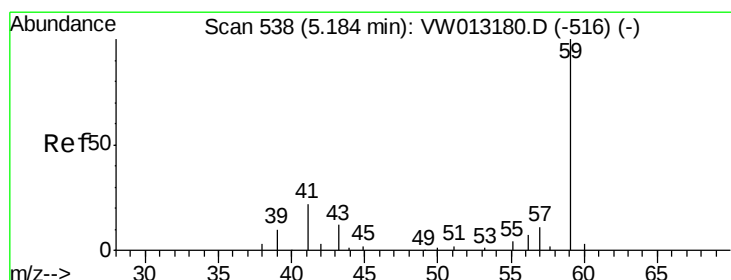
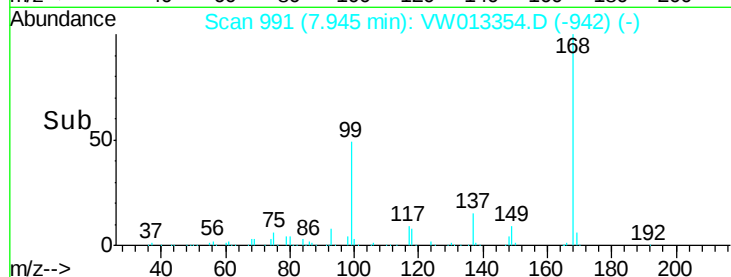
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 545

Delta R.T. 0.04 min

Lab File: VW013354.D

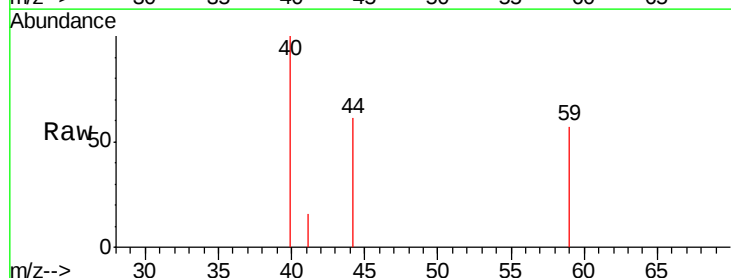
Acq: 01 Oct 2019 02:06

Tgt Ion: 59 Resp: 475

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

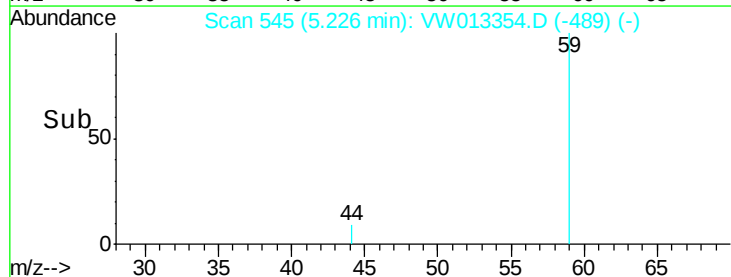
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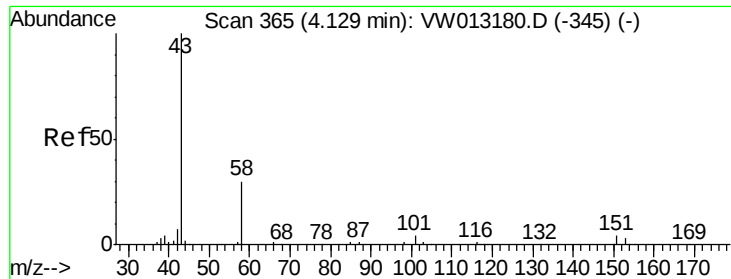
200

100

0

Time-->

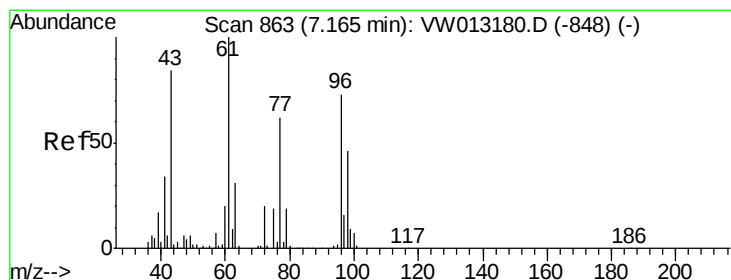
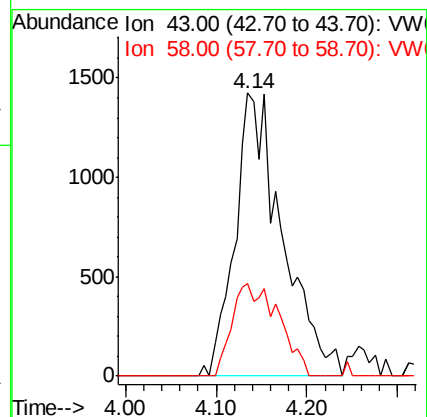
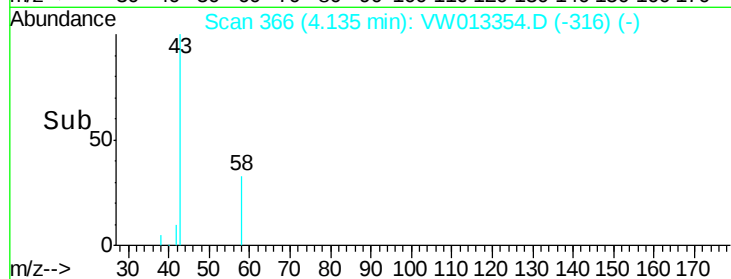
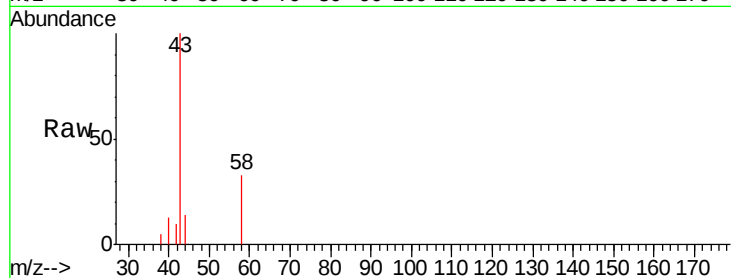




#16
Acetone
Concen: 7.460 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

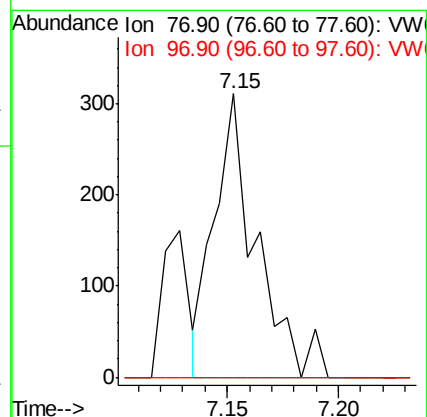
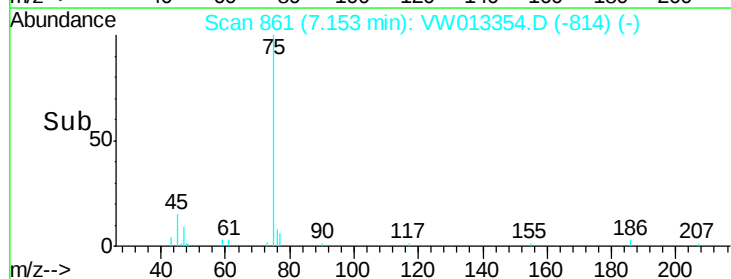
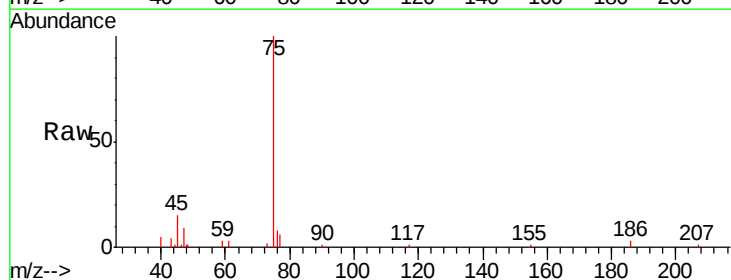
Instrument :
MSVOA_W
ClientSampleId :
GP-2 (10-12)

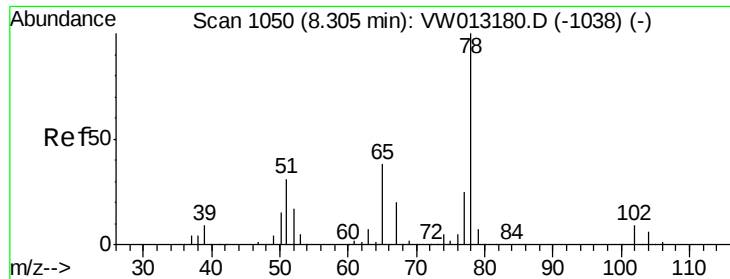
Tgt Ion: 43 Resp: 5153
Ion Ratio Lower Upper
43 100
58 32.6 24.1 36.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

Tgt Ion: 77 Resp: 406
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#

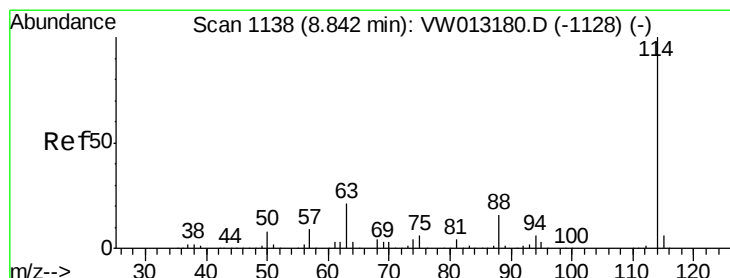
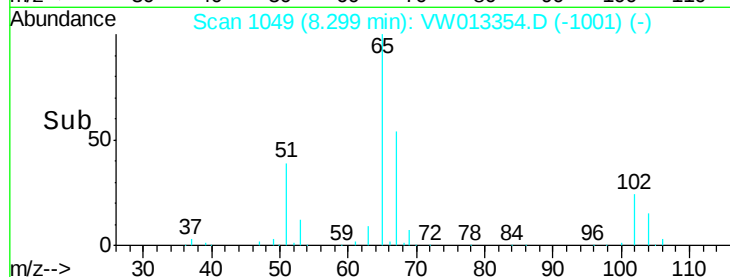
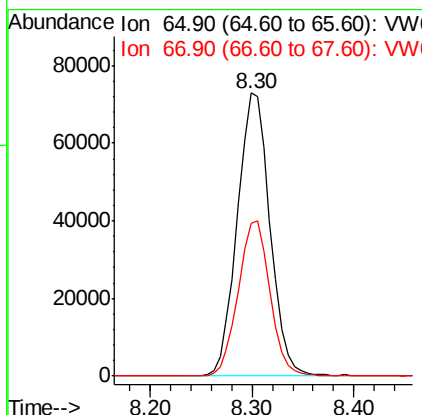
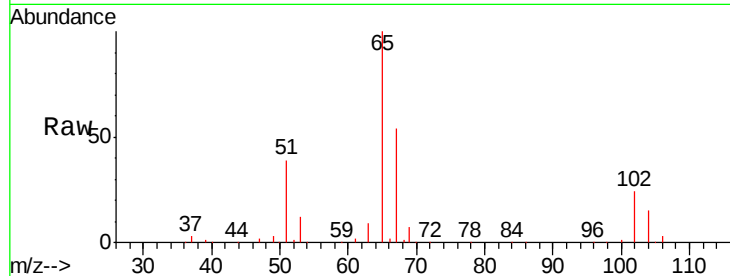




#33
 1,2-Dichloroethane-d4
 Concen: 52.961 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

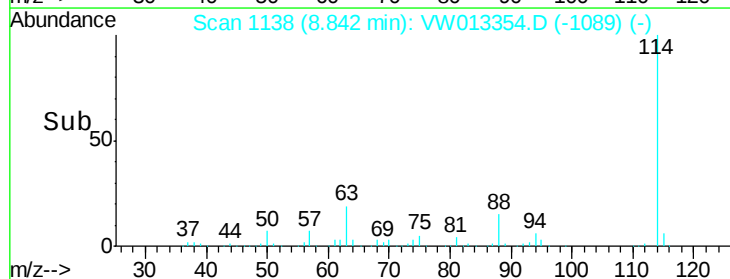
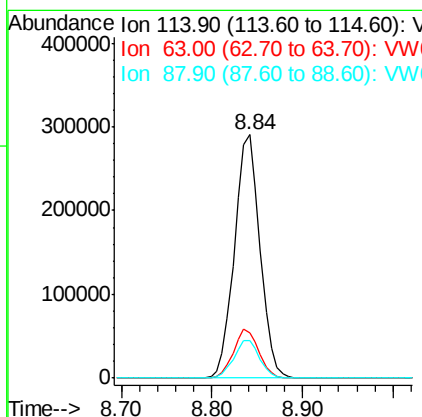
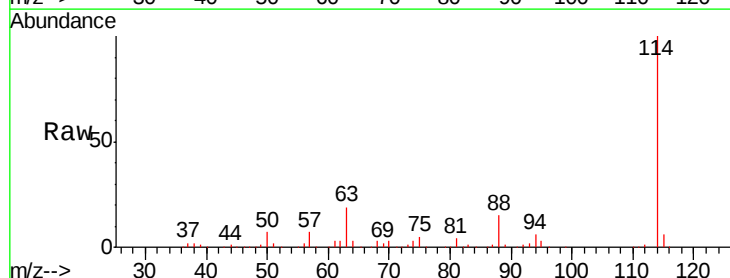
Instrument :
 MSVOA_W
 ClientSampled :
 GP-2 (10-12)

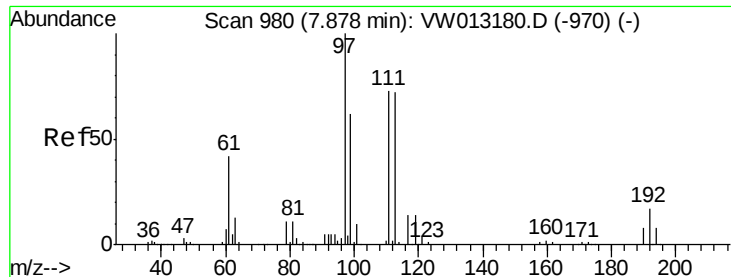
Tgt Ion: 65 Resp: 162213
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

Tgt Ion: 114 Resp: 566695
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.2 0.0 32.0

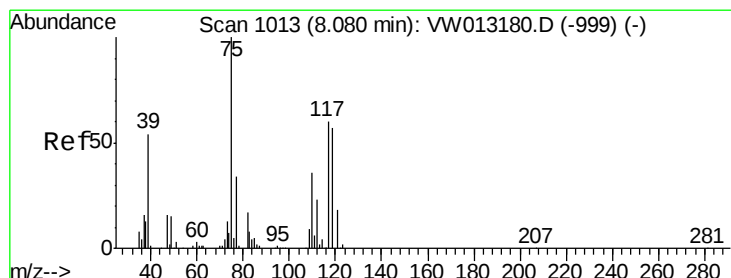
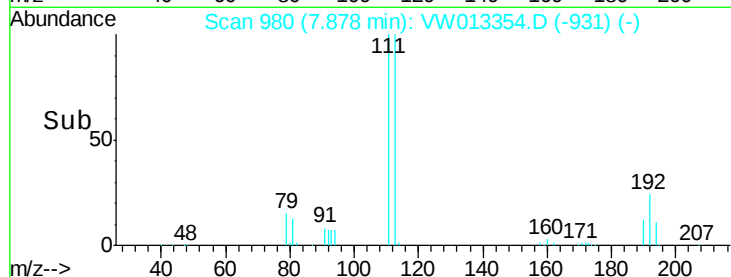
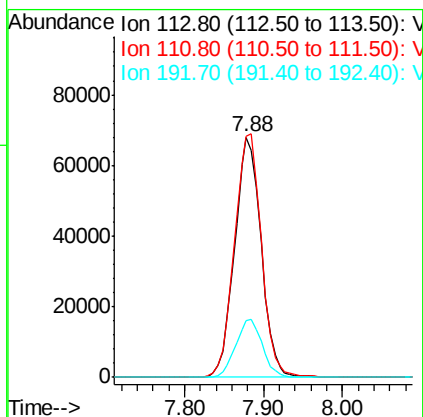
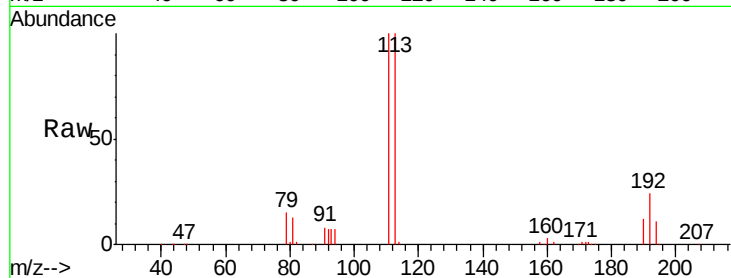




#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

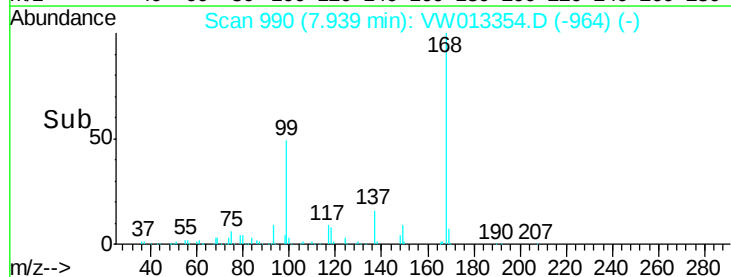
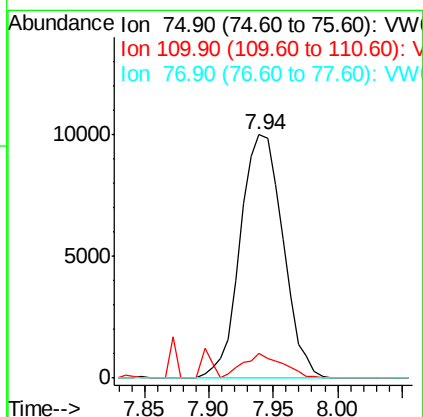
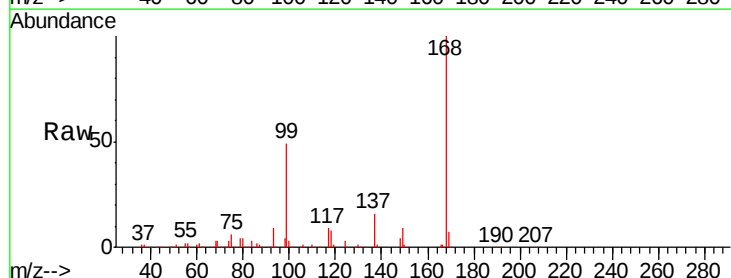
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (10-12)

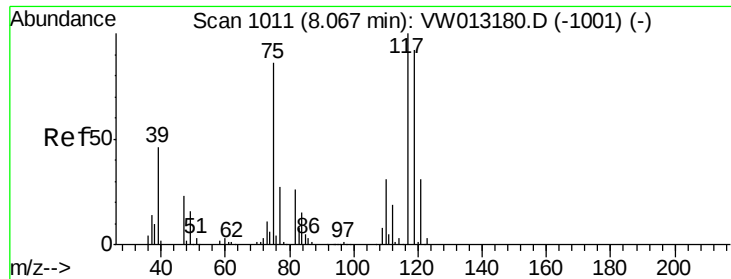
Tgt Ion: 113 Resp: 159316
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 24.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.178 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

Tgt Ion: 75 Resp: 22933
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 25.8 38.6#

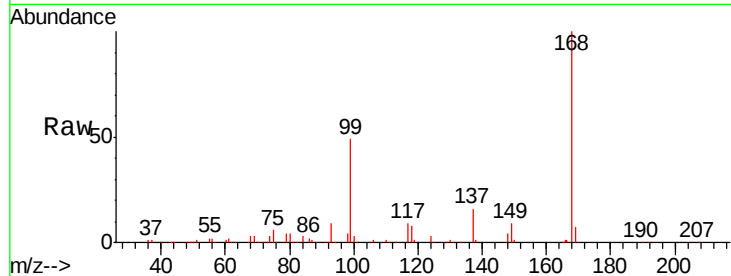




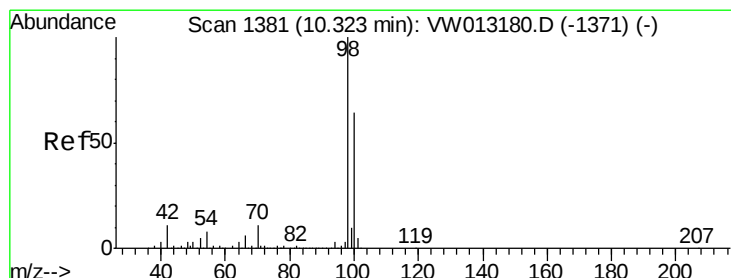
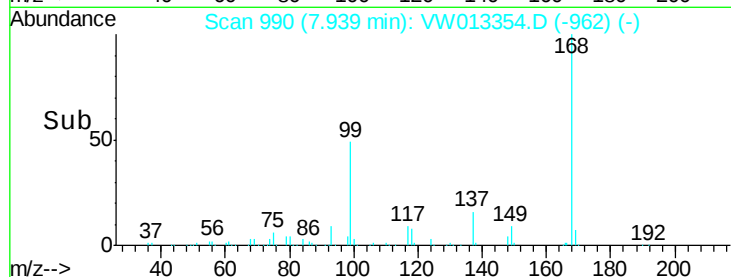
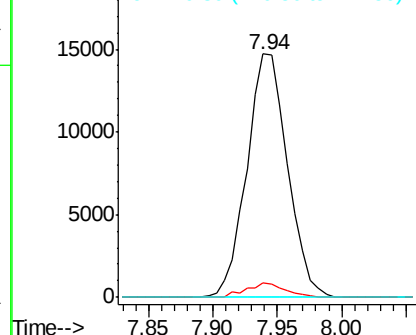
#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

Instrument :
MSVOA_W
ClientSampleId :
GP-2 (10-12)

Tgt Ion:117 Resp: 32094
Ion Ratio Lower Upper
117 100
119 5.8 73.5 110.3#
121 0.0 25.0 37.6#

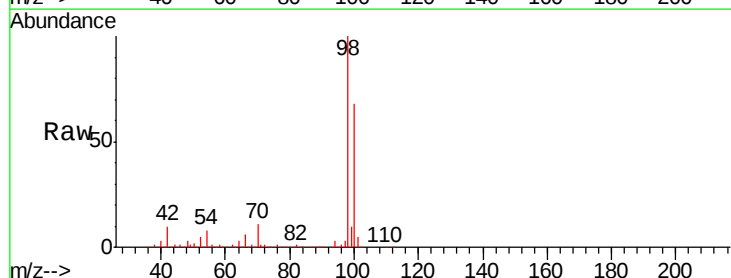


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

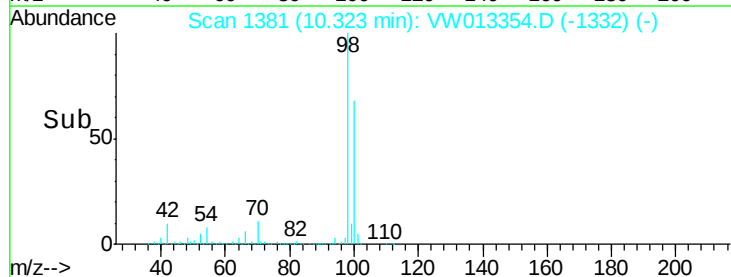
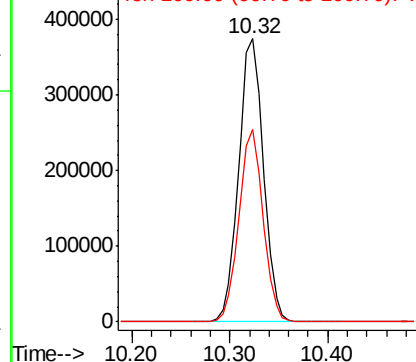


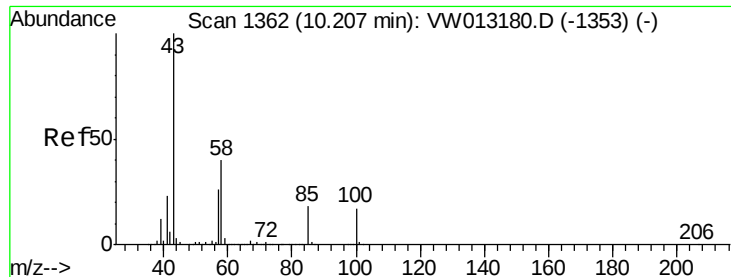
#50
Toluene-d8
Concen: 50.519 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

Tgt Ion: 98 Resp: 658981
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



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

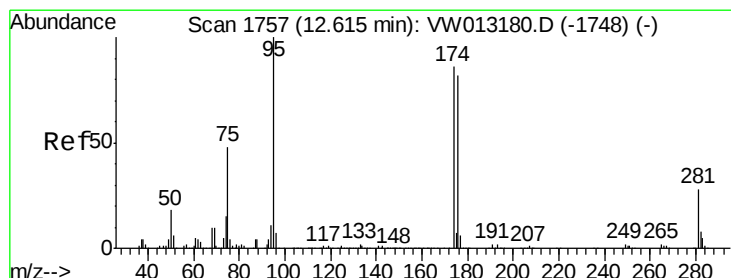
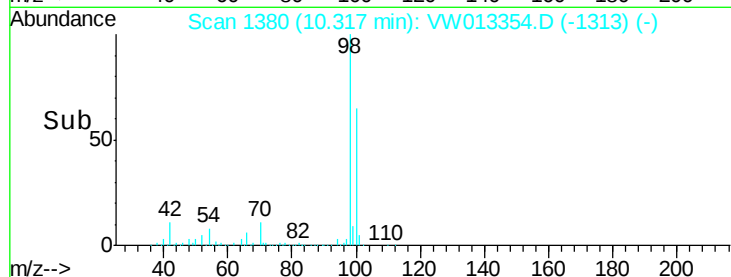
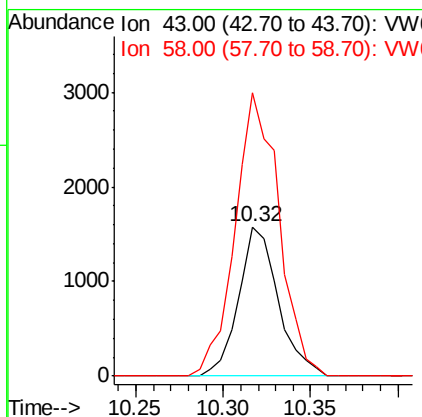
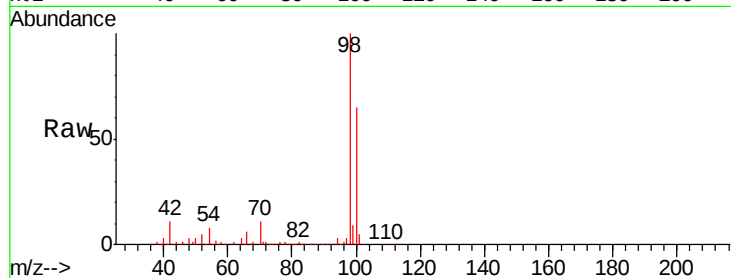




#51
 4-Methyl-2-Pentanone
 Concen: 1.108 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

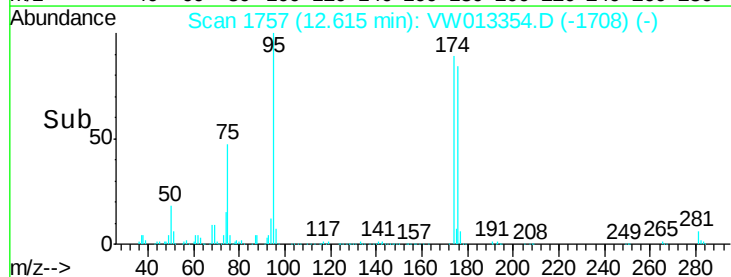
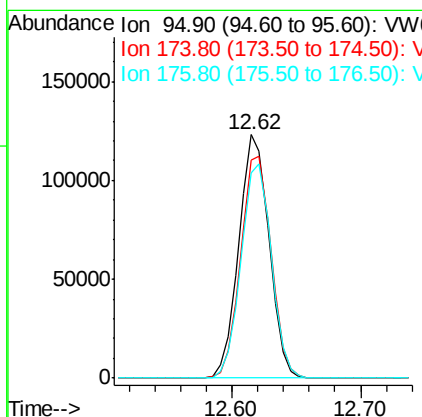
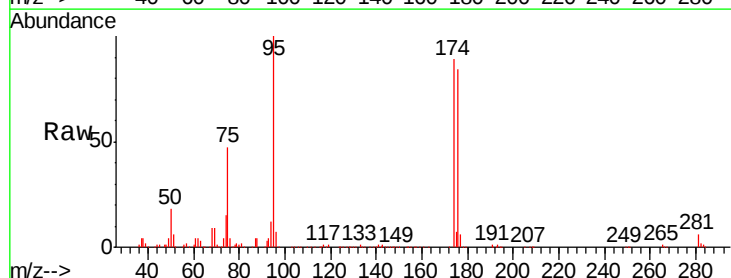
Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (10-12)

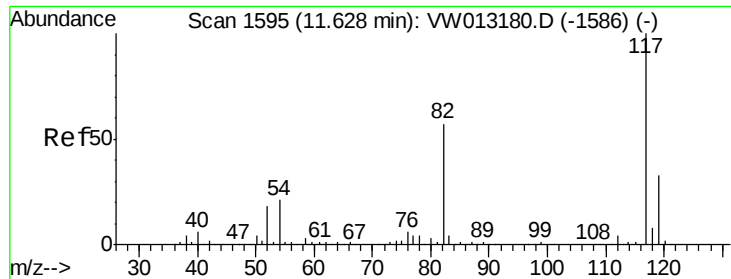
Tgt Ion: 43 Resp: 2484
 Ion Ratio Lower Upper
 43 100
 58 209.5 31.7 47.5#



#62
 4-Bromofluorobenzene
 Concen: 44.841 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

Tgt Ion: 95 Resp: 199803
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 178.4
 176 88.2 0.0 172.2

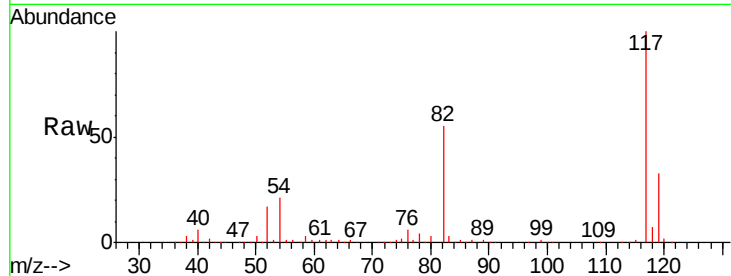




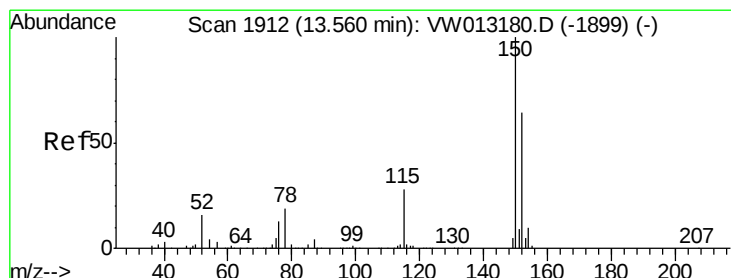
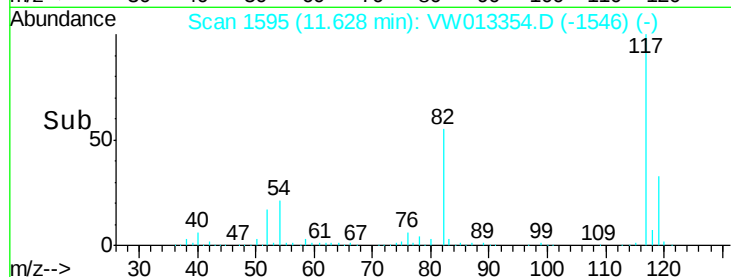
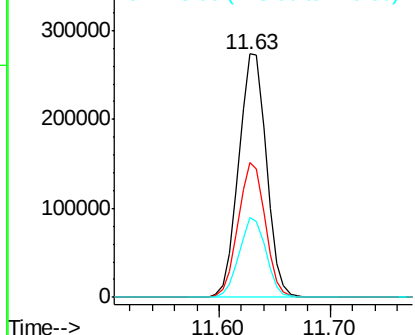
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

Instrument :
MSVOA_W
ClientSampleId :
GP-2 (10-12)

Tgt Ion:117 Resp: 471774
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.8 26.2 39.2

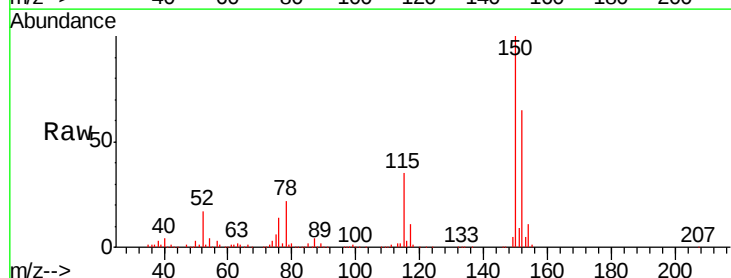


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

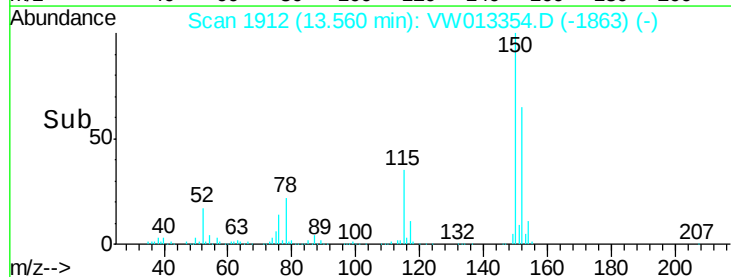
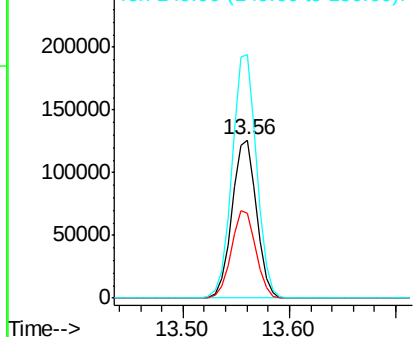


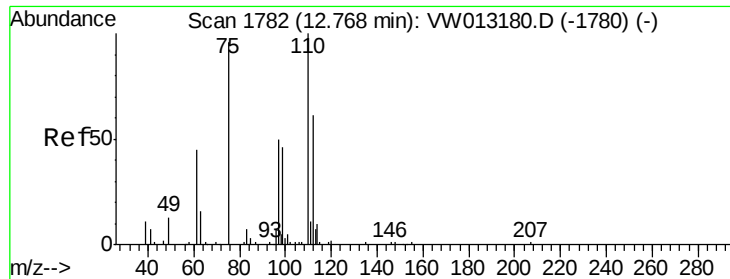
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013354.D
Acq: 01 Oct 2019 02:06

Tgt Ion:152 Resp: 202587
Ion Ratio Lower Upper
152 100
115 55.4 27.3 81.9
150 155.0 0.0 349.0



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

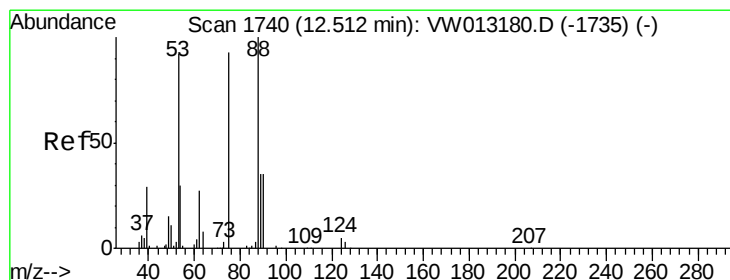
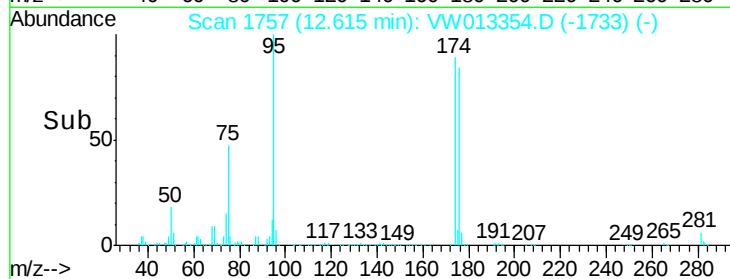
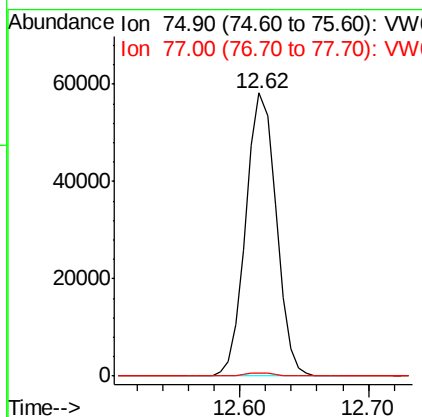
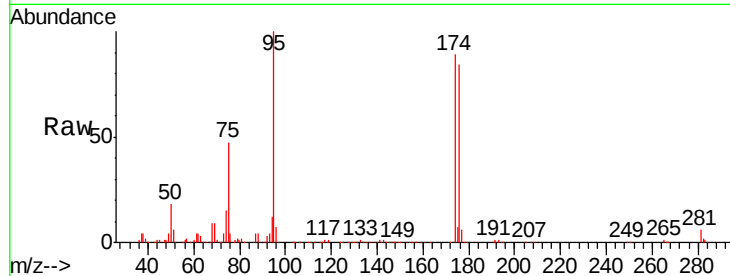




#76
 1,2,3-Trichloropropane
 Concen: 53.021 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-2 (10-12)

Tgt Ion: 75 Resp: 94861
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.975 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013354.D
 Acq: 01 Oct 2019 02:06

Tgt Ion: 75 Resp: 94861
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.0 33.5 50.3#

