

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013334.D
 Acq On : 30 Sep 2019 15:44
 Operator : SY/VA
 Sample : K5083-03
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 18:07:41 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	327380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	482230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190503	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	138858	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	137455	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	10.32	98	560128	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	180385	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

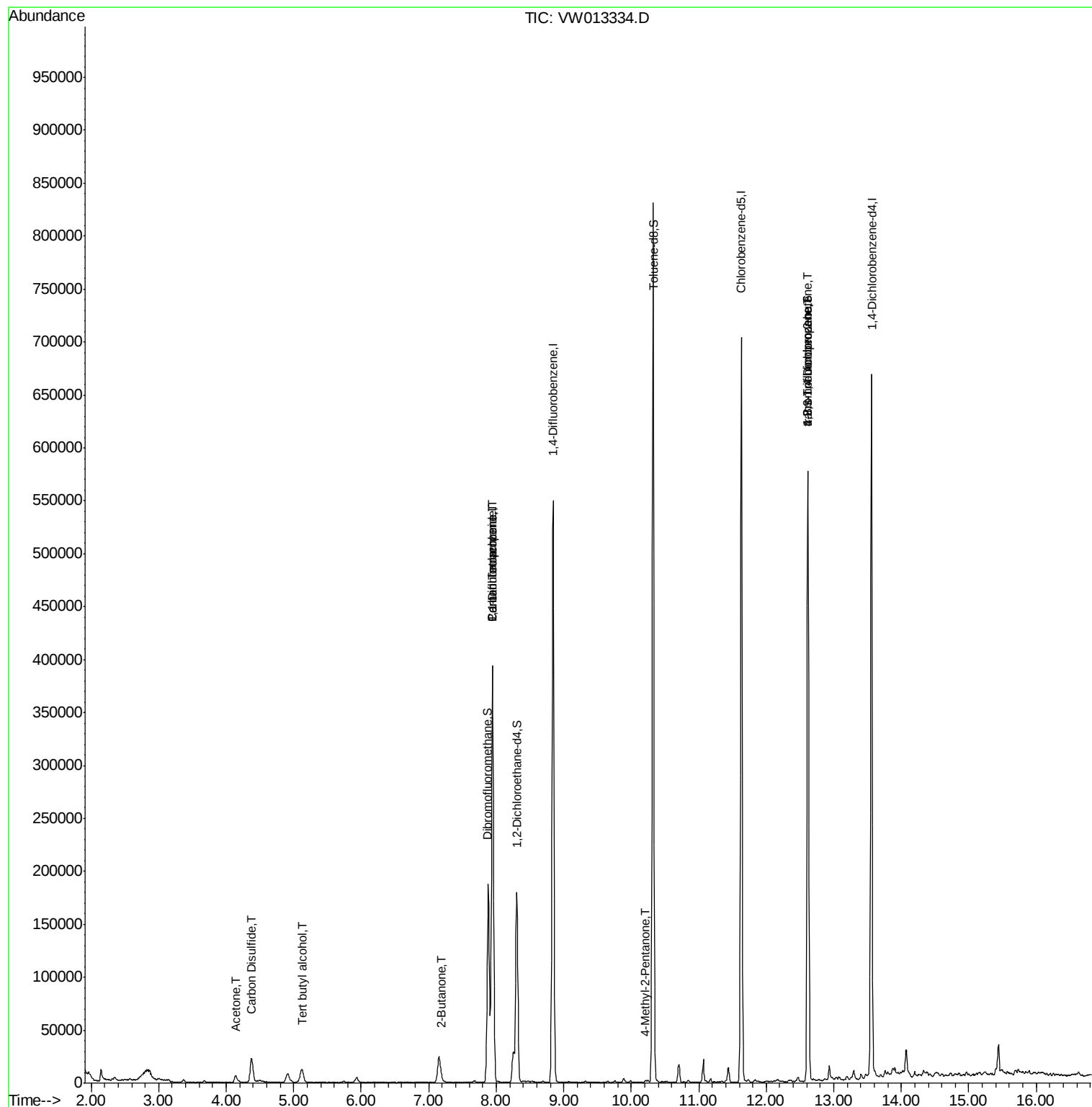
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	11801	53.406	ug/l #	73
16) Acetone	4.15	43	12365	20.521	ug/l	95
17) Carbon Disulfide	4.37	76	54059	6.148	ug/l	99
20) Methylene Chloride	4.91	84	6823	Below Cal		86
25) 2-Butanone	7.19	43	3635	4.019	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	1910	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	21535	4.611	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27311	6.523	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	2083	1.092	ug/l #	83
76) 1,2,3-Trichloropropane	12.62	75	86047	51.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86047	114.766	ug/l #	12

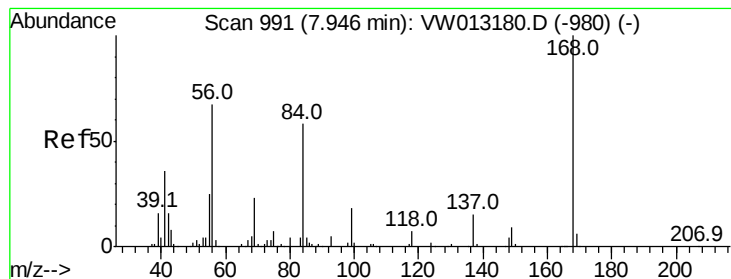
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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Quant Time: Sep 30 18:07:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013334.D

Acq: 30 Sep 2019 15:44

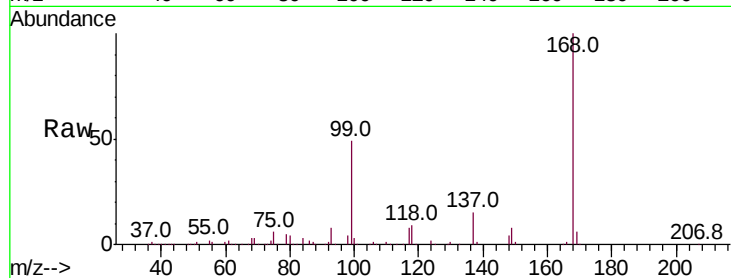
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 327380

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

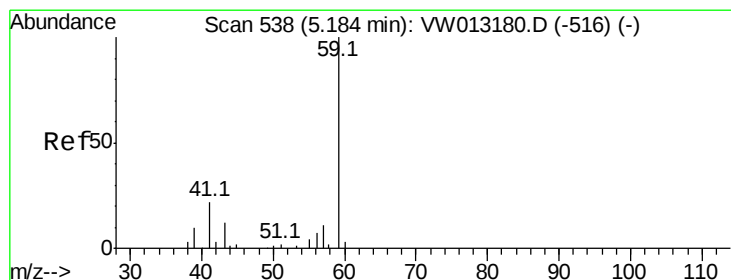
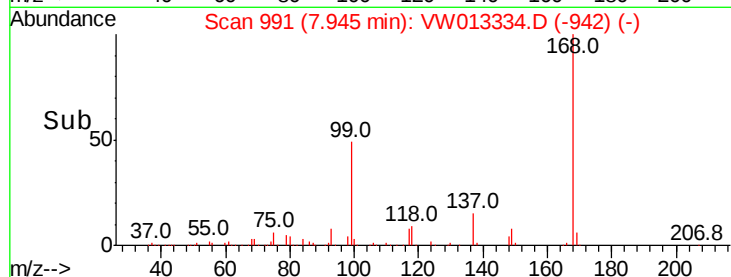
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 53.406 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013334.D

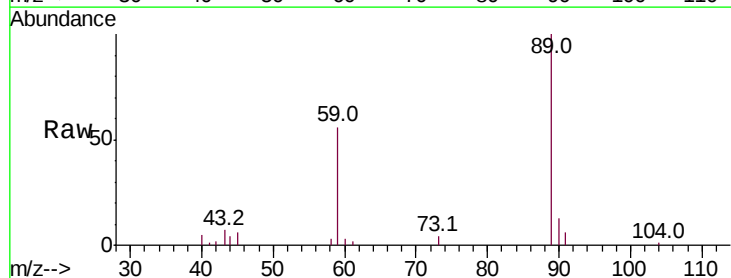
Acq: 30 Sep 2019 15:44

Tgt Ion: 59 Resp: 11801

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

5.12

3000

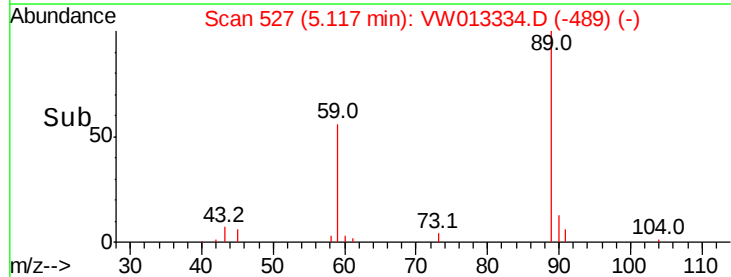
2000

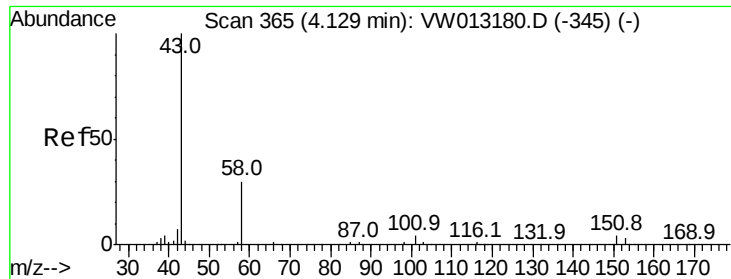
1000

0

5.00 5.10 5.20

Time-->

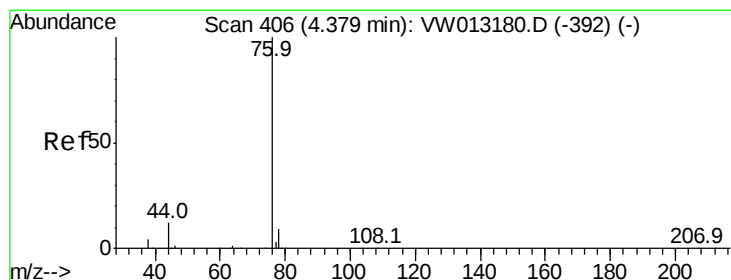
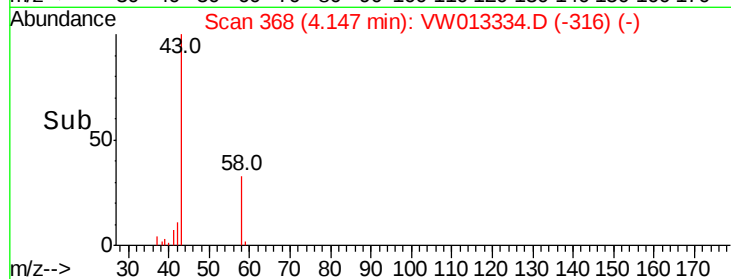
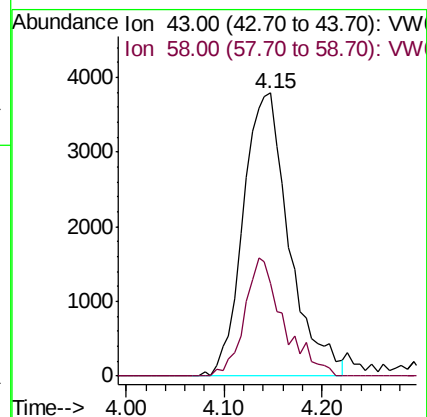
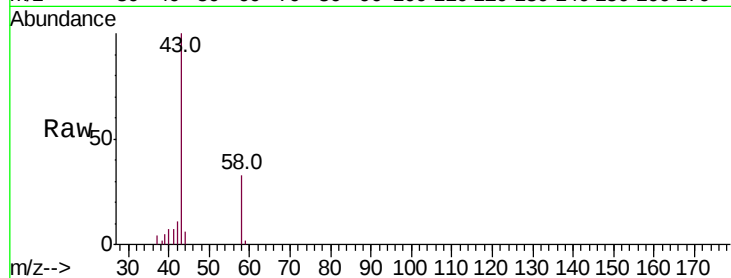




#16
Acetone
Concen: 20.521 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

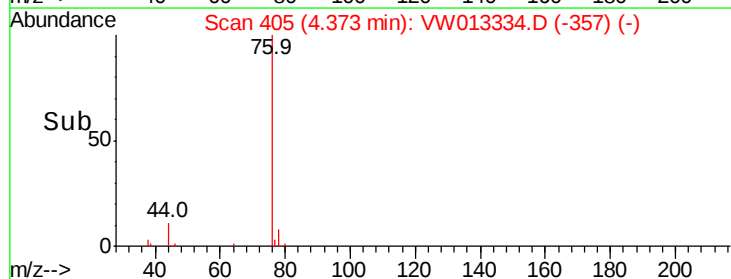
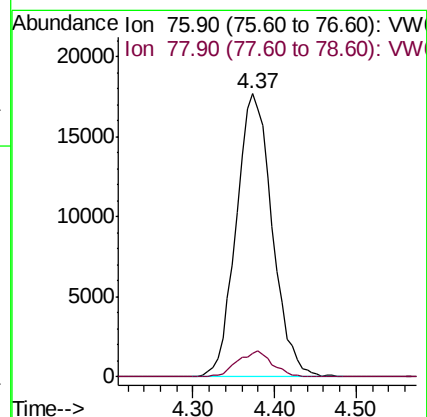
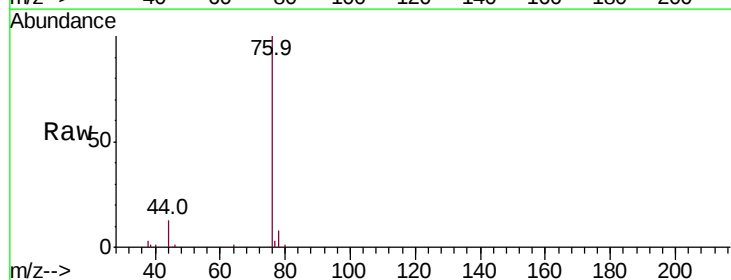
Instrument :
MSVOA_W
ClientSampled :

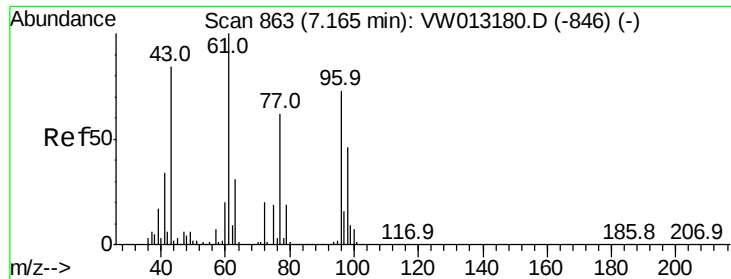
Tot Ion: 43 Resp: 12365
Ion Ratio Lower Upper
43 100
58 32.9 24.1 36.1



#17
Carbon Disulfide
Concen: 6.148 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

Tgt Ion: 76 Resp: 54059
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4





#25

2-Butanone

Concen: 4.019 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Instrument :

MSVOA_W

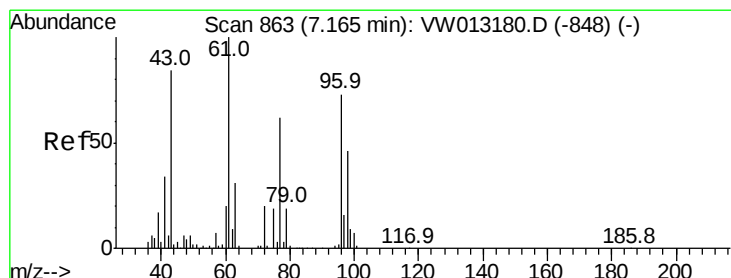
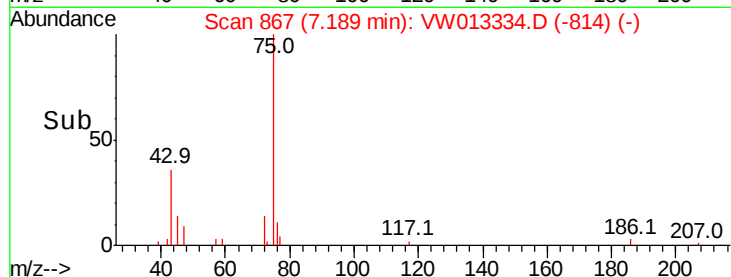
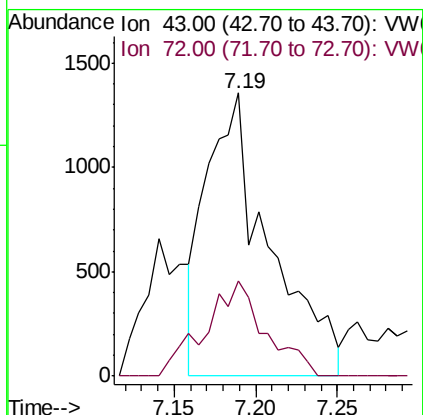
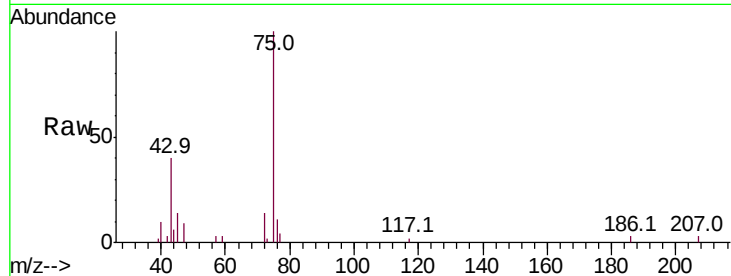
ClientSampled :

Tot Ion: 43 Resp: 3635

Ion Ratio Lower Upper

43 100

72 37.6 19.4 29.0#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013334.D

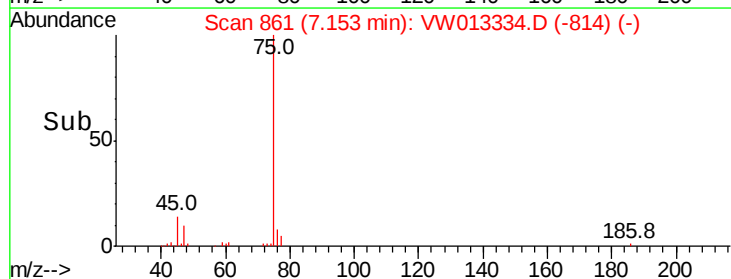
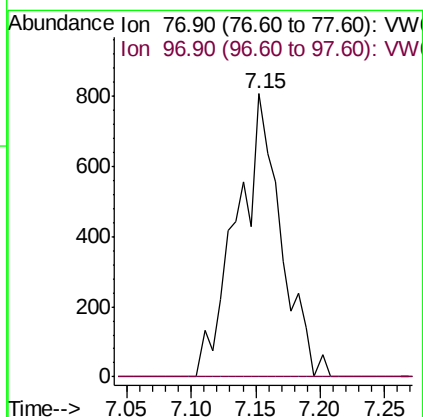
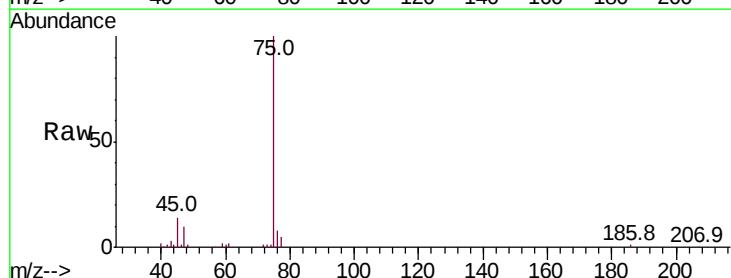
Acq: 30 Sep 2019 15:44

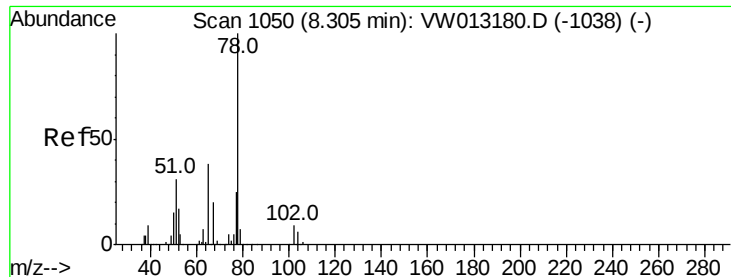
Tgt Ion: 77 Resp: 1910

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#33

1,2-Dichloroethane-d4

Concen: 51.970 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Instrument :

MSVOA_W

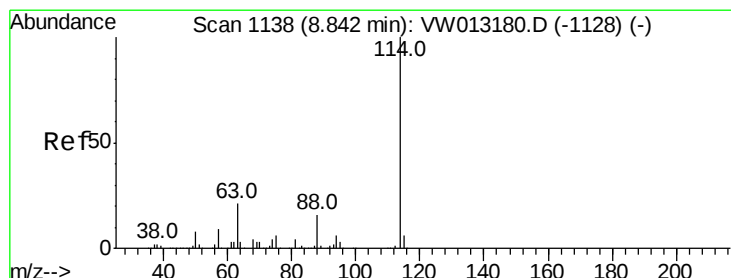
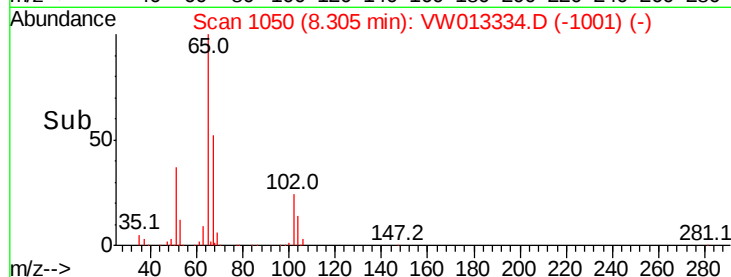
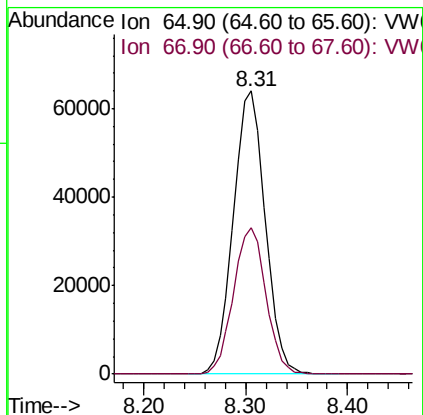
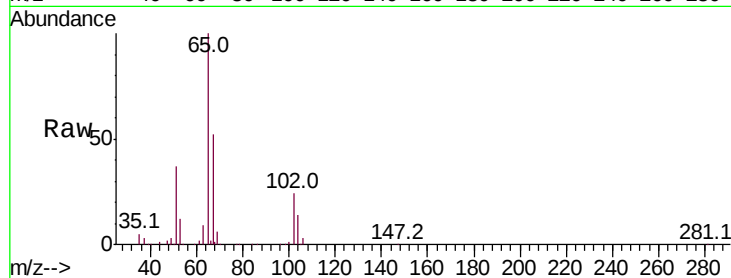
ClientSampleId :

Tot Ion: 65 Resp: 138858

Ion Ratio Lower Upper

65 100

67 52.7 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: VW013334.D

Acq: 30 Sep 2019 15:44

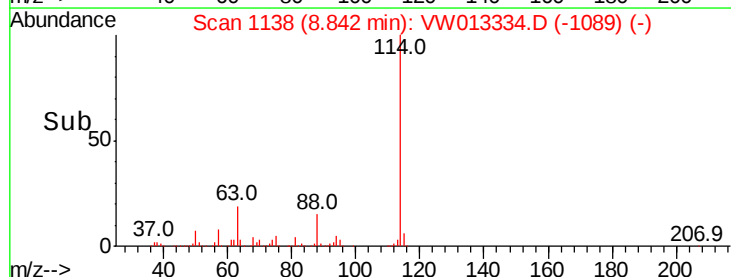
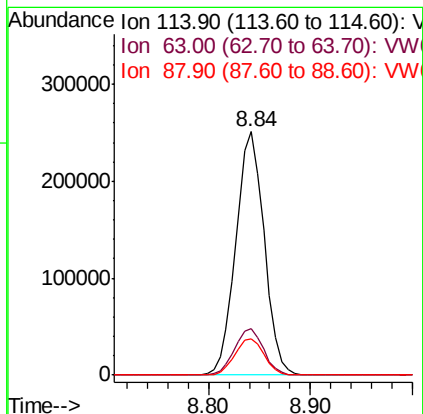
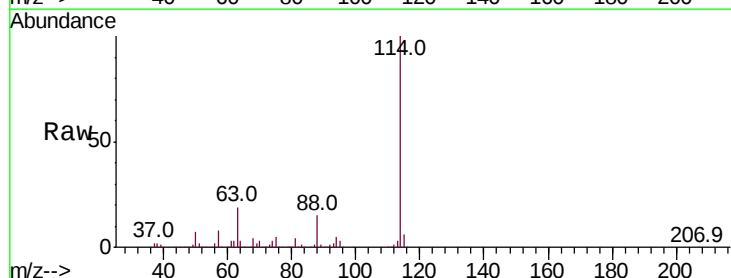
Tgt Ion: 114 Resp: 482230

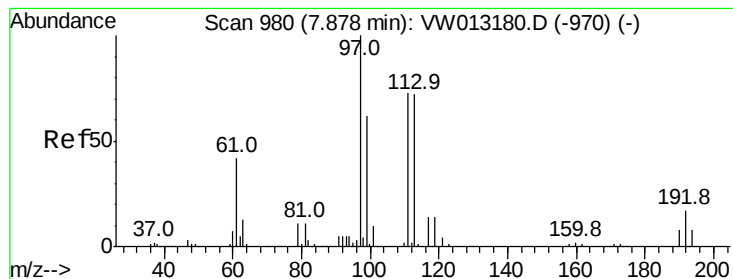
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Instrument :

MSVOA_W

ClientSampleId :

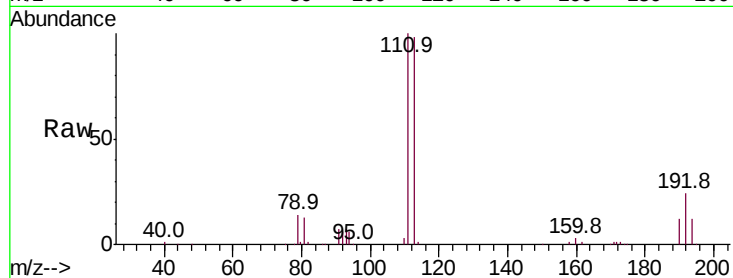
Tot Ion:113 Resp: 137455

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

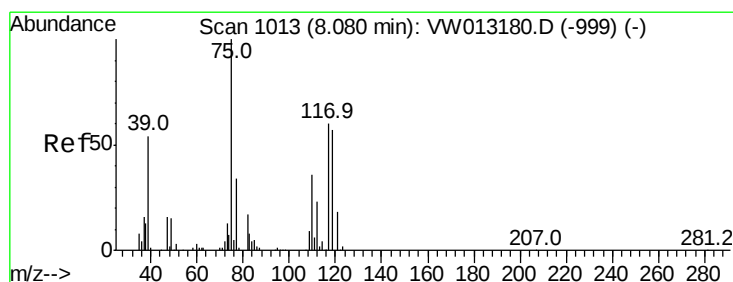
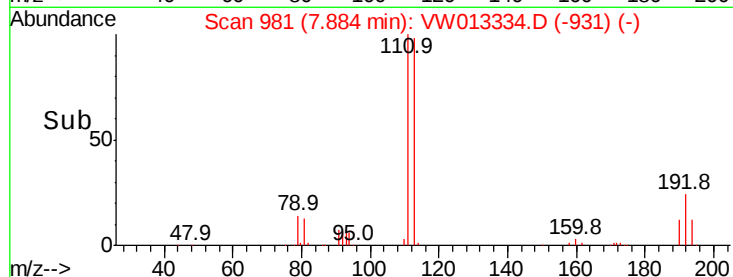
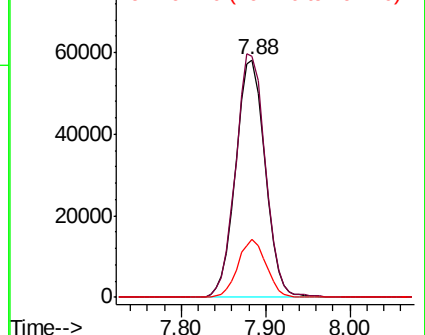
192 23.4 19.1 28.7



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: 4.611 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

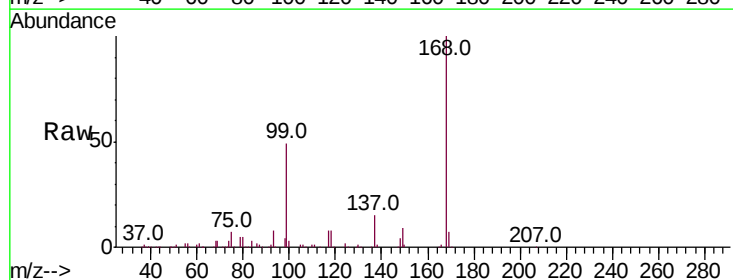
Tgt Ion: 75 Resp: 21535

Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.3#

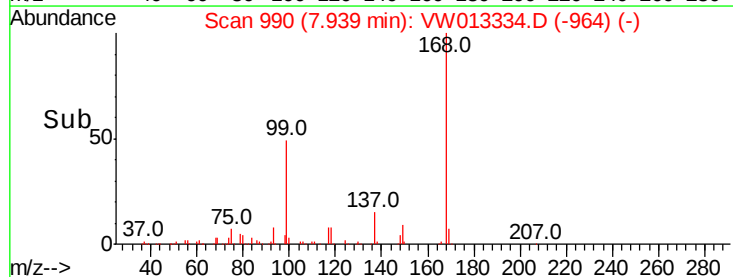
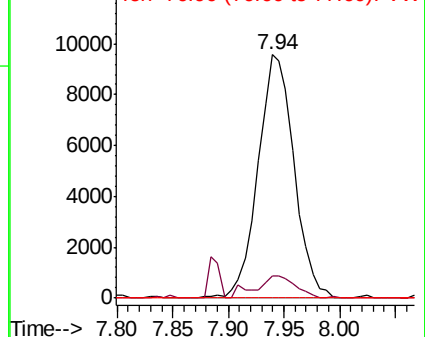
77 0.0 25.8 38.6#

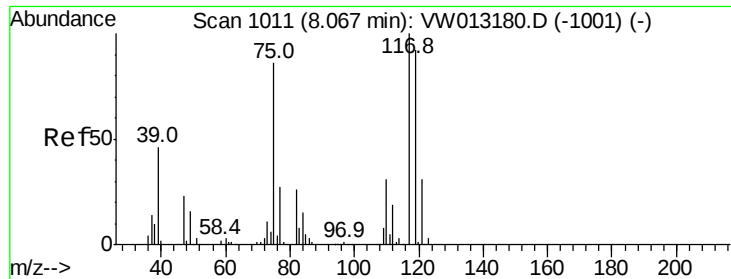


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

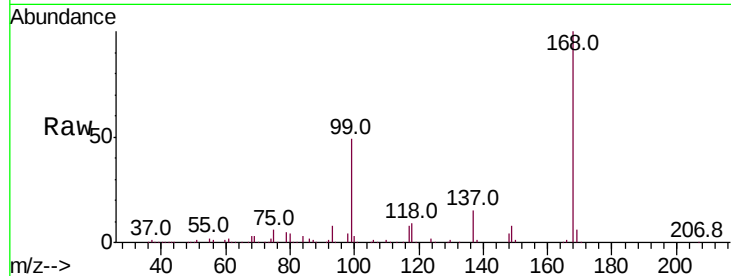




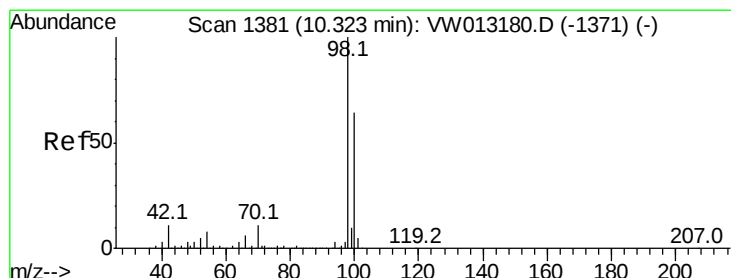
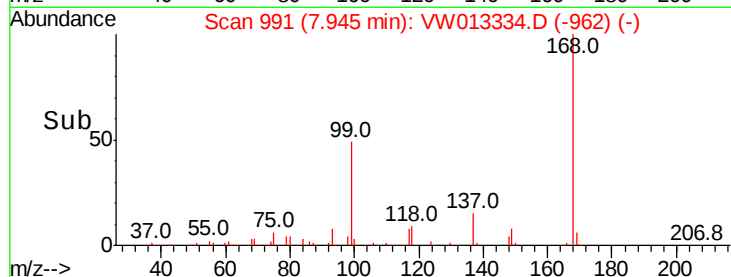
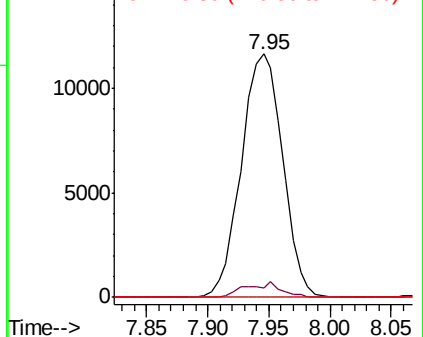
#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 27311
Ion Ratio Lower Upper
117 100
119 3.7 73.5 110.3#
121 0.0 25.0 37.6#

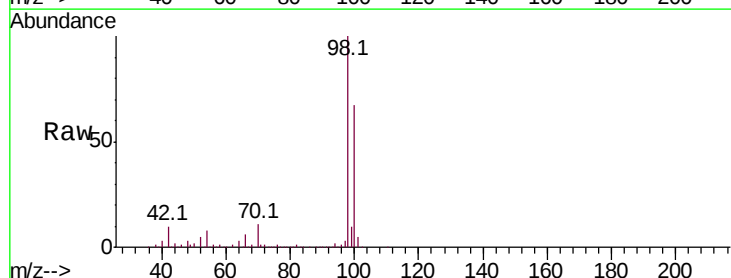


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

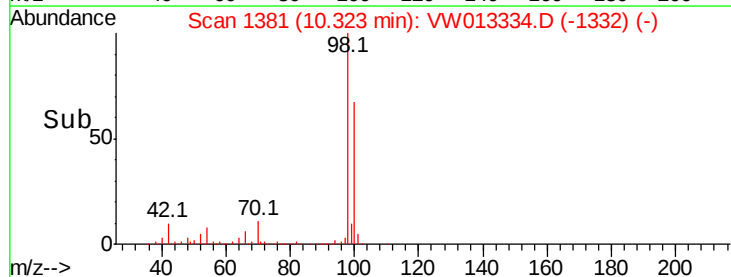
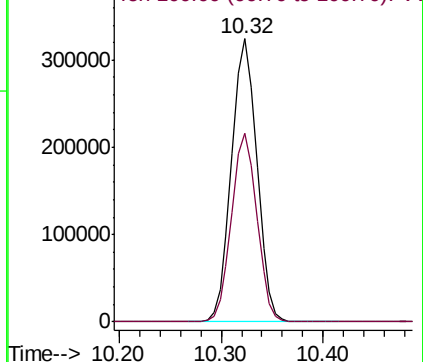


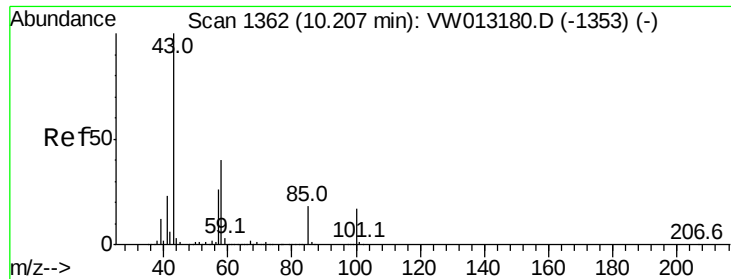
#50
Toluene-d8
Concen: 50.462 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

Tgt Ion: 98 Resp: 560128
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 1.092 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Instrument :

MSVOA_W

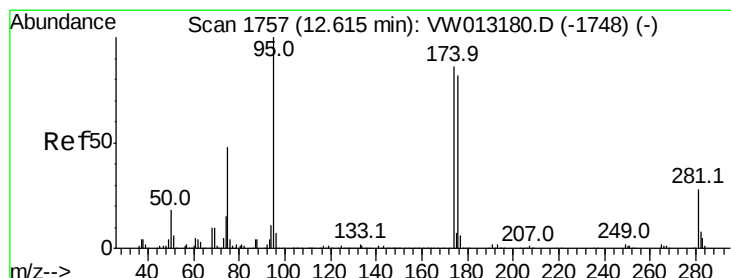
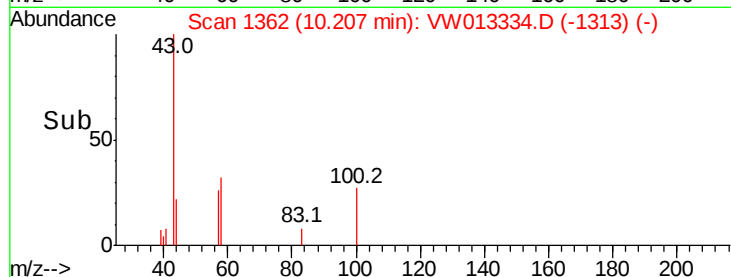
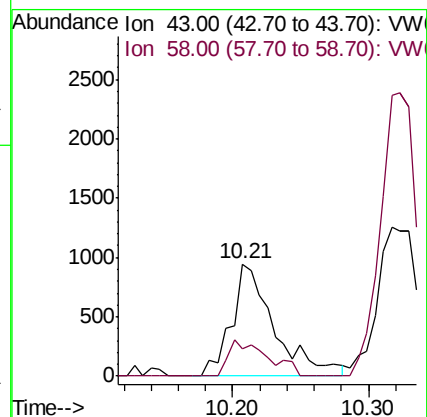
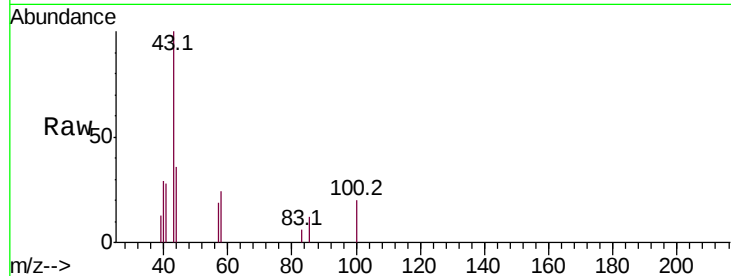
ClientSampled :

Tot Ion: 43 Resp: 2083

Ion Ratio Lower Upper

43 100

58 28.9 31.7 47.5#



#62

4-Bromofluorobenzene

Concen: 47.574 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

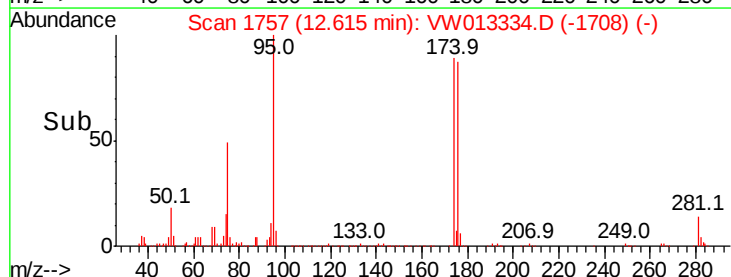
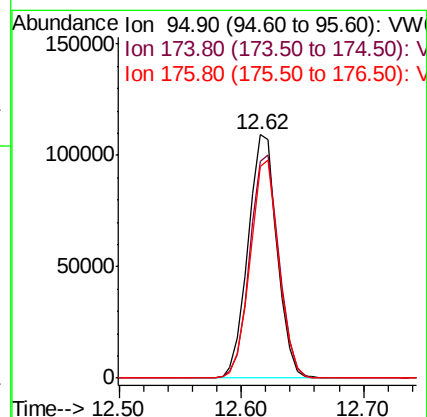
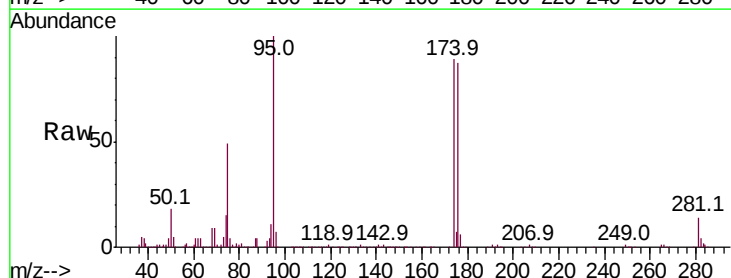
Tgt Ion: 95 Resp: 180385

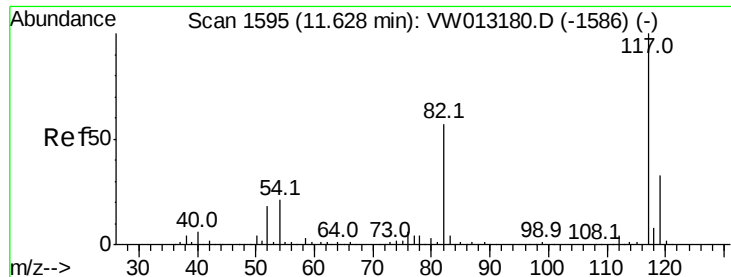
Ion Ratio Lower Upper

95 100

174 92.1 0.0 178.4

176 88.6 0.0 172.2

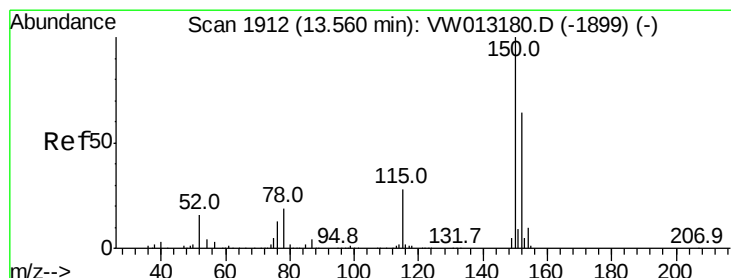
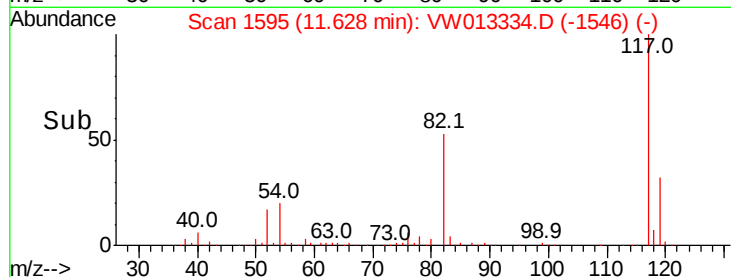
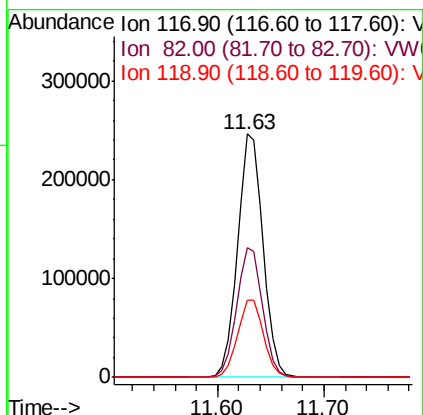
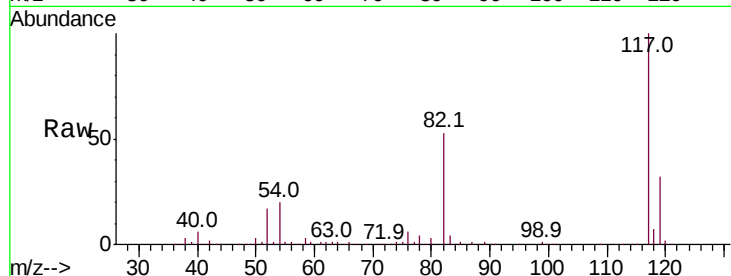




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

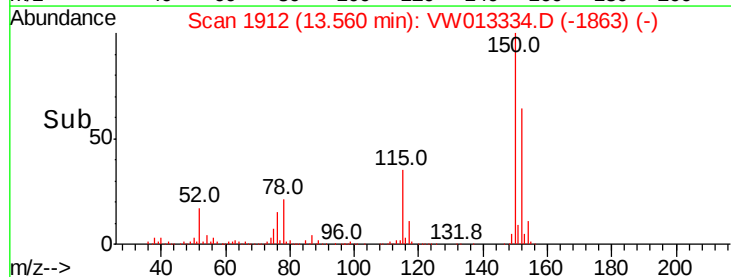
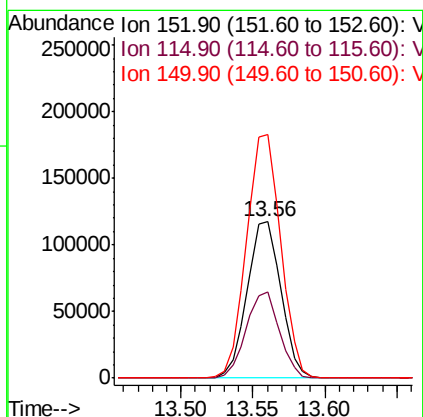
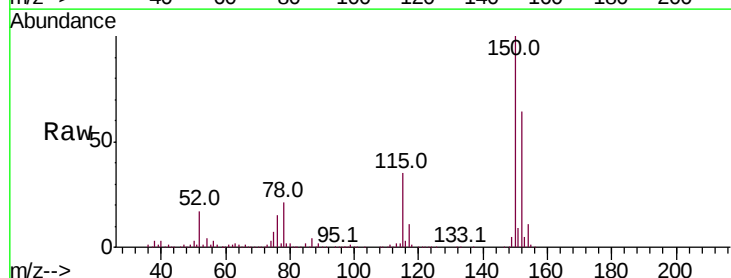
Instrument :
MSVOA_W
ClientSampleId :

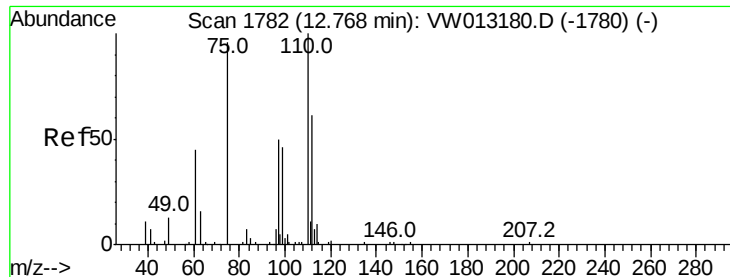
Tot Ion:117 Resp: 412509
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013334.D
Acq: 30 Sep 2019 15:44

Tgt Ion:152 Resp: 190503
Ion Ratio Lower Upper
152 100
115 54.4 27.3 81.9
150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 51.146 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Instrument :

MSVOA_W

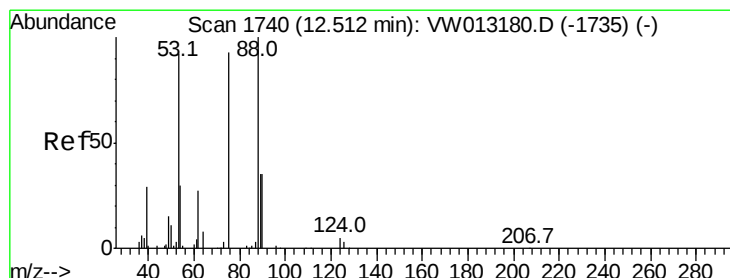
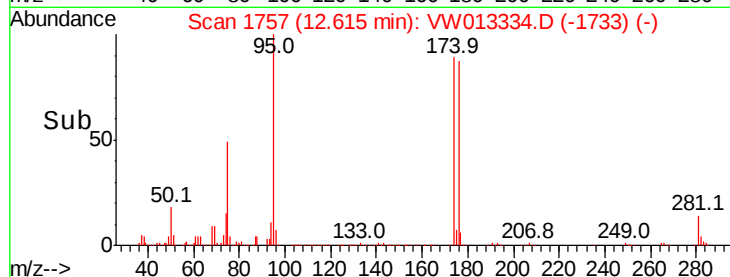
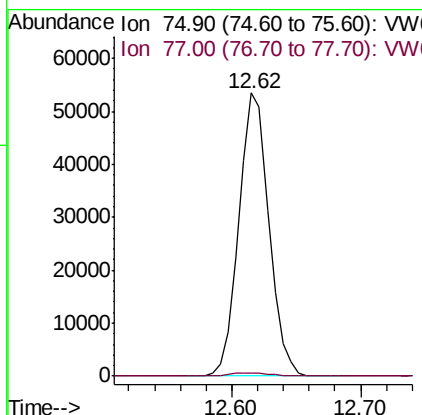
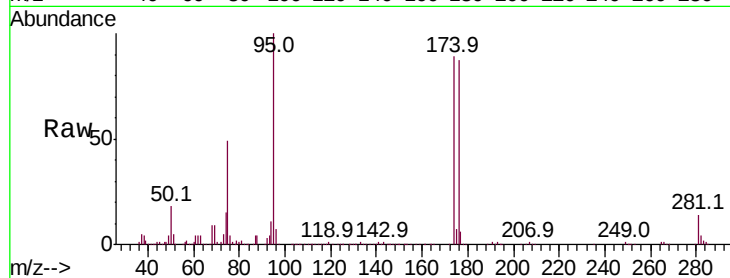
ClientSampleId :

Tot Ion: 75 Resp: 86047

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.766 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013334.D

Acq: 30 Sep 2019 15:44

Tgt Ion: 75 Resp: 86047

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

