

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013274.D
 Acq On : 24 Sep 2019 14:20
 Operator : SY/VA
 Sample : K4664-10
 Misc : 6.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-092319

Quant Time: Sep 25 07:10:46 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

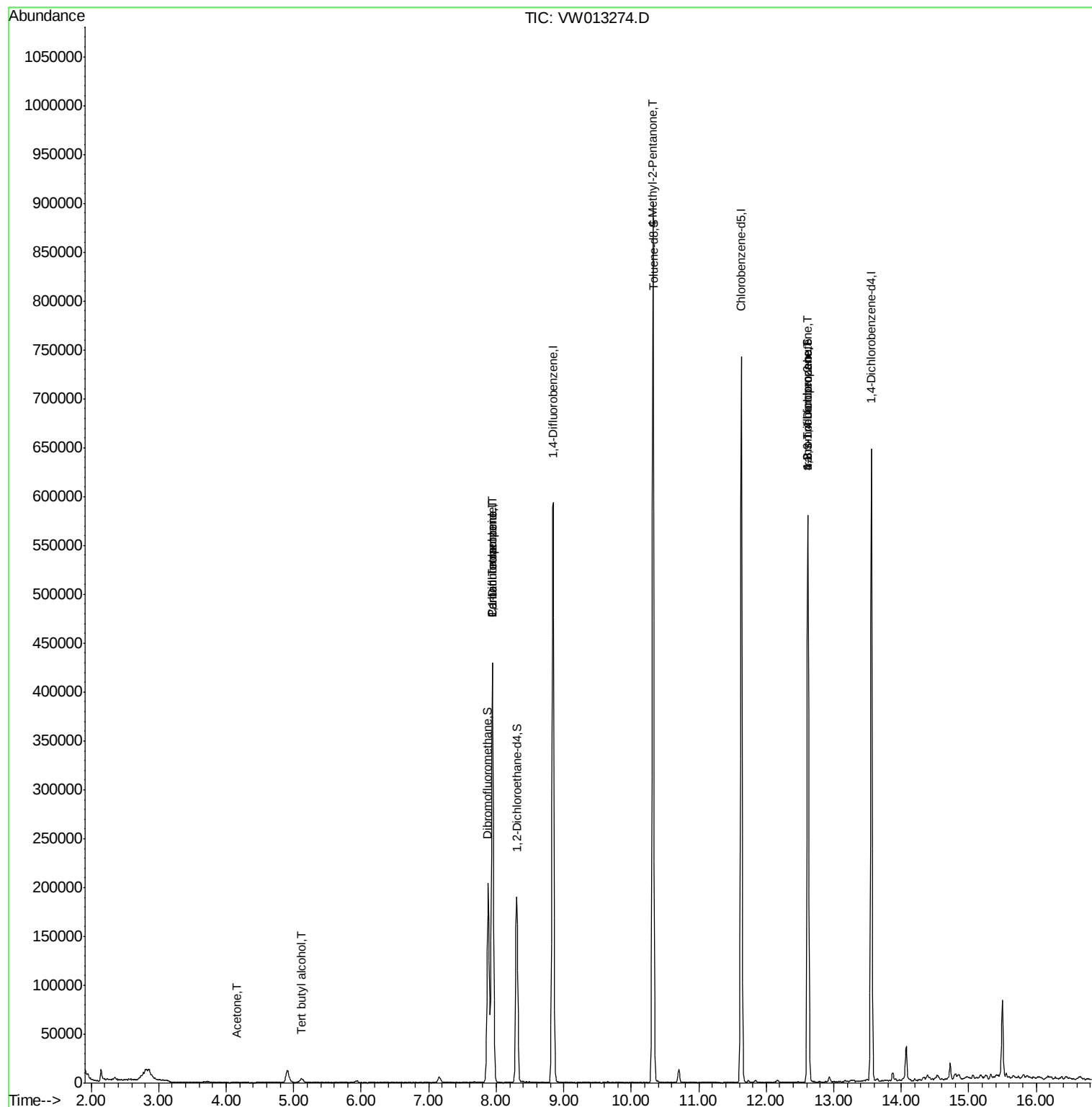
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	530430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	443194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187535	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	151468	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.68%	
35) Dibromofluoromethane	7.88	113	147968	50.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.44%	
50) Toluene-d8	10.32	98	613907	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	190542	45.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.38%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.12	59	3897	8.962	ug/l #	73
16) Acetone	4.16	43	782	1.198	ug/l #	83
26) 2,2-Dichloropropane	7.16	77	510	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	23606	4.595	ug/l #	48
38) Carbon Tetrachloride	7.95	117	30899	6.709	ug/l #	17
51) 4-Methyl-2-Pentanone	10.31	43	2741	1.307	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89885	54.272	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89885	121.783	ug/l #	12

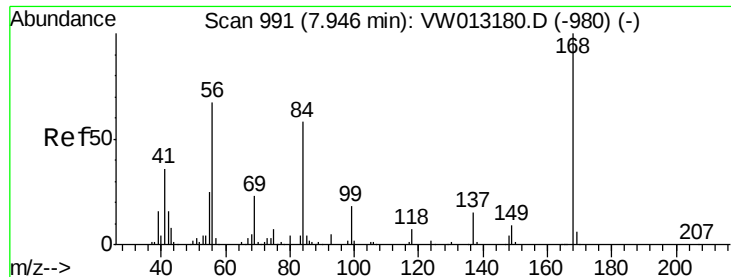
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013274.D

Acq: 24 Sep 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

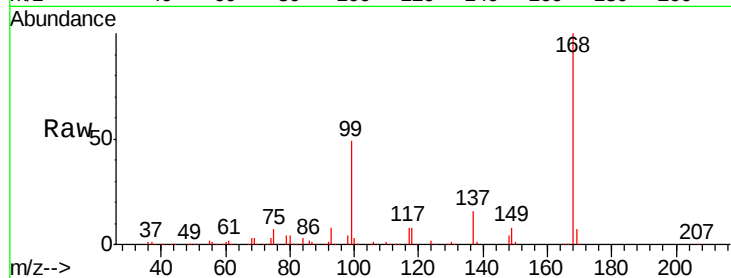
OR-03-092319

Tgt Ion: 168 Resp: 354557

Ion Ratio Lower Upper

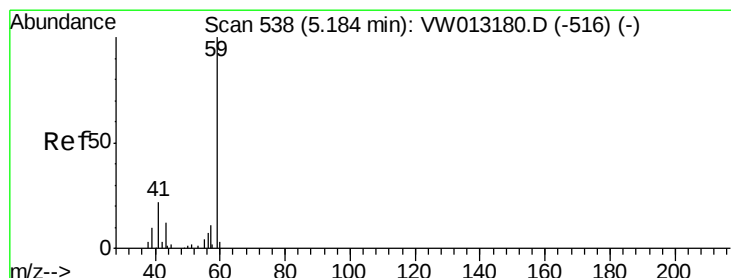
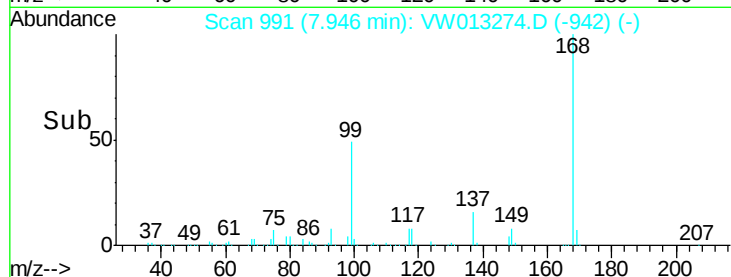
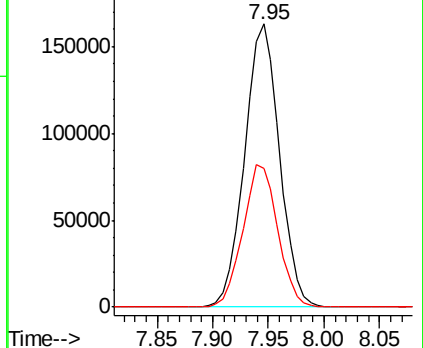
168 100

99 49.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 8.962 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013274.D

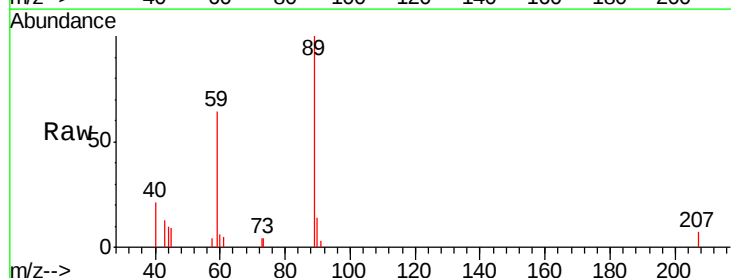
Acq: 24 Sep 2019 14:20

Tgt Ion: 59 Resp: 3897

Ion Ratio Lower Upper

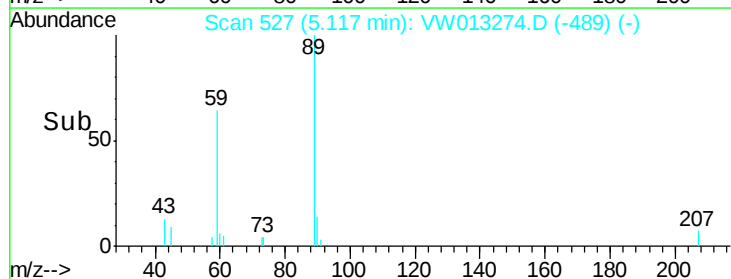
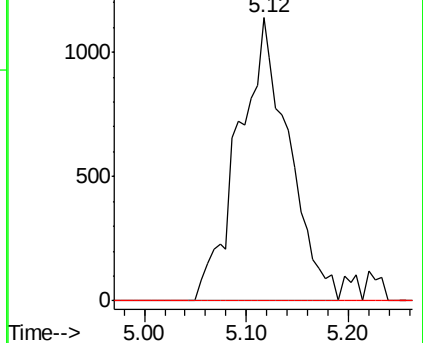
59 100

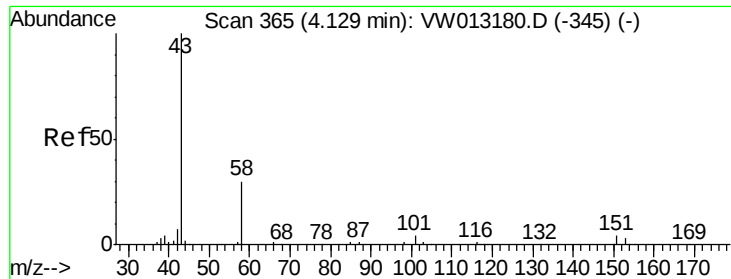
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.198 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.03 min

Lab File: VW013274.D

Acq: 24 Sep 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

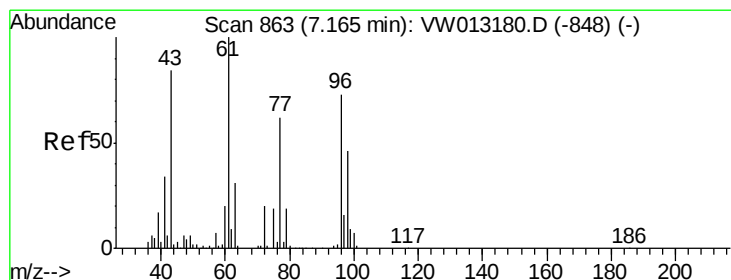
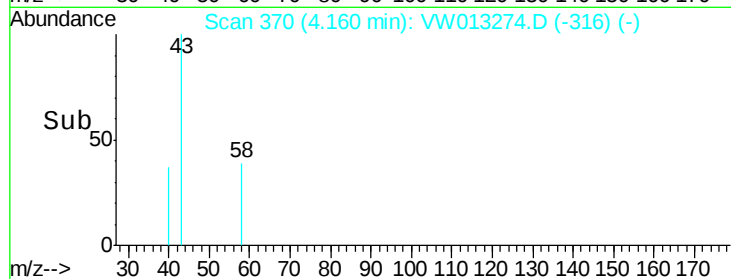
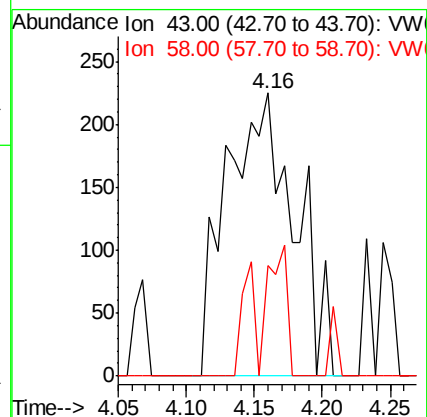
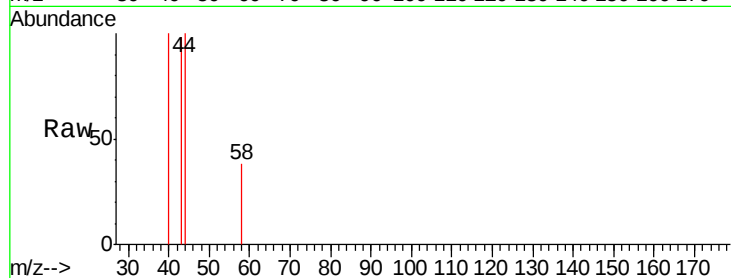
OR-03-092319

Tgt Ion: 43 Resp: 782

Ion Ratio Lower Upper

43 100

58 39.1 24.1 36.1#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013274.D

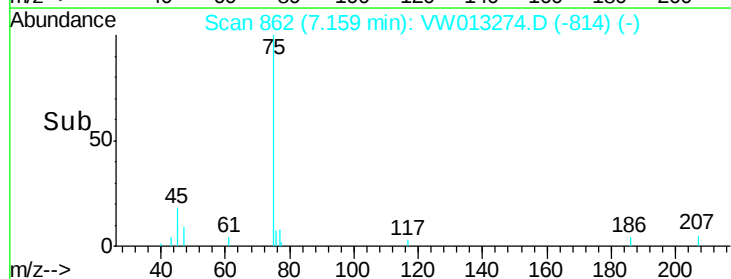
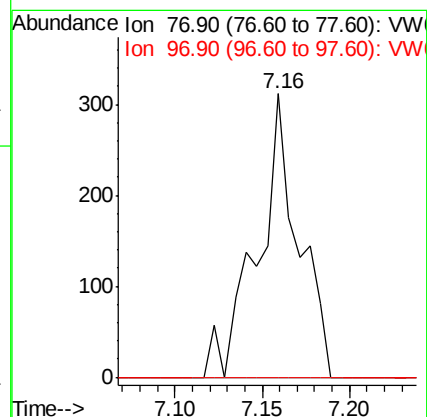
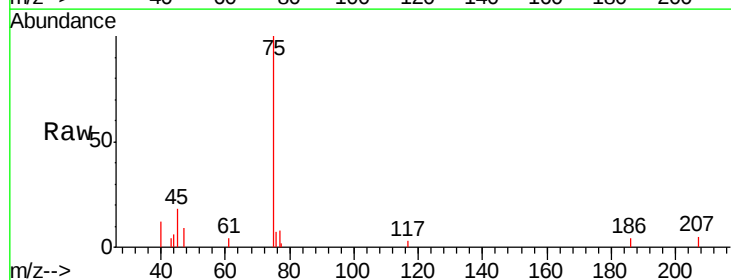
Acq: 24 Sep 2019 14:20

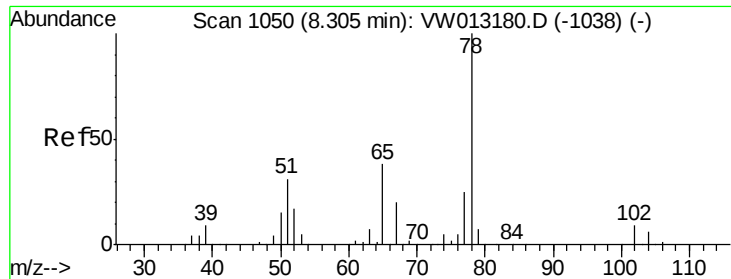
Tgt Ion: 77 Resp: 510

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

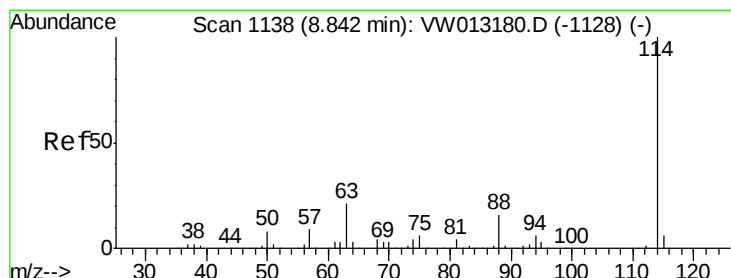
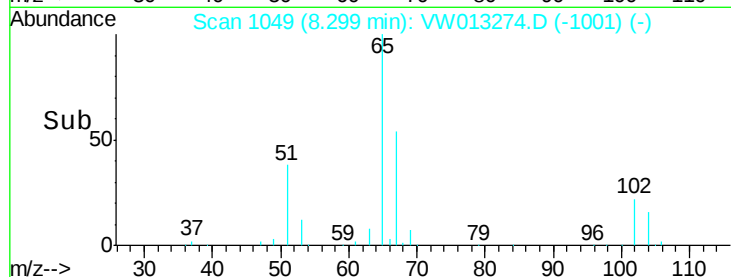
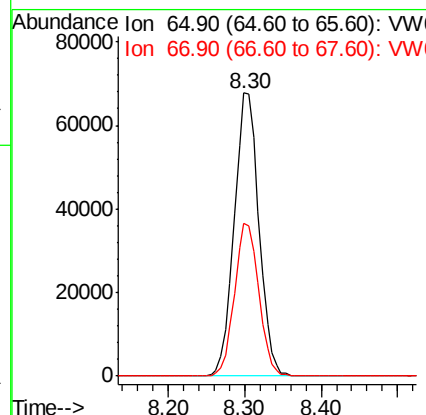
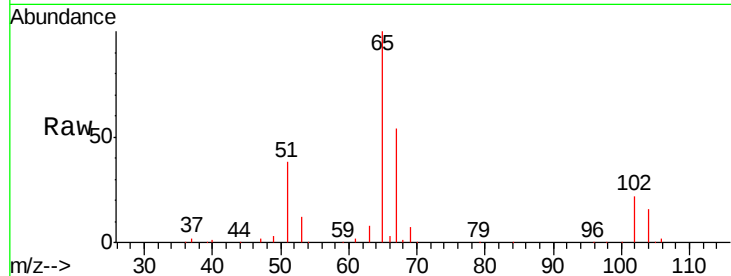




#33
 1,2-Dichloroethane-d4
 Concen: 52.344 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

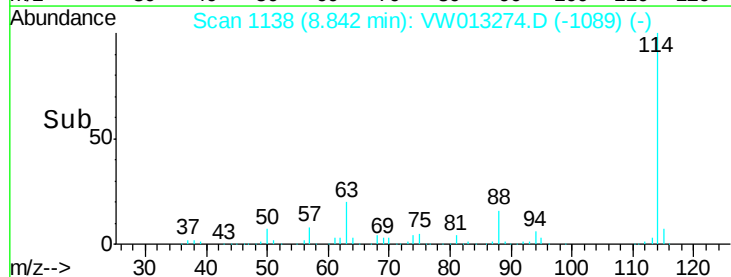
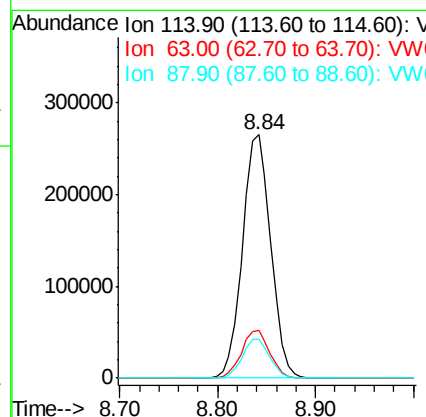
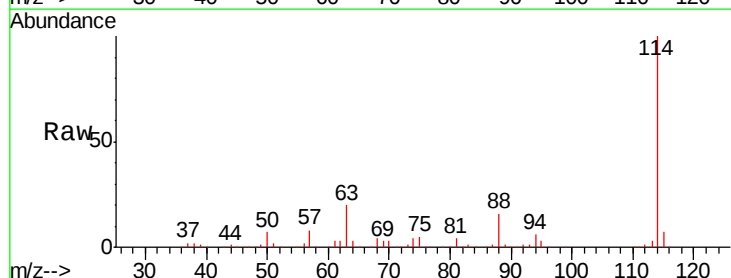
Instrument :
 MSVOA_W
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 OR-03-092319

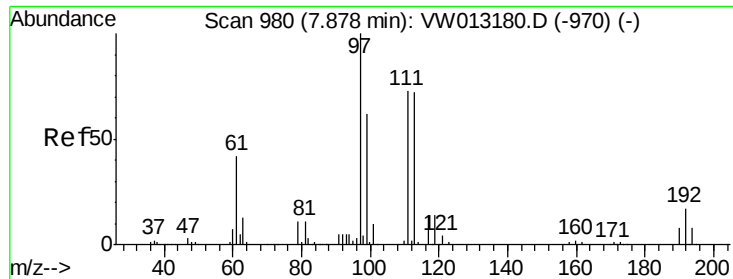
Tgt Ion: 65 Resp: 151468
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

Tgt Ion: 114 Resp: 530430
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.8 0.0 32.0

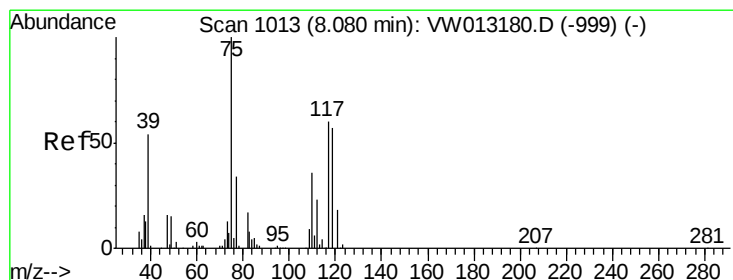
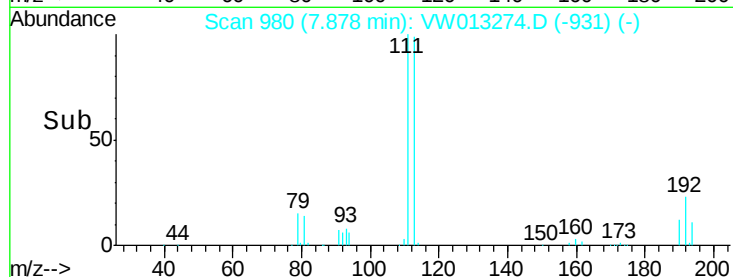
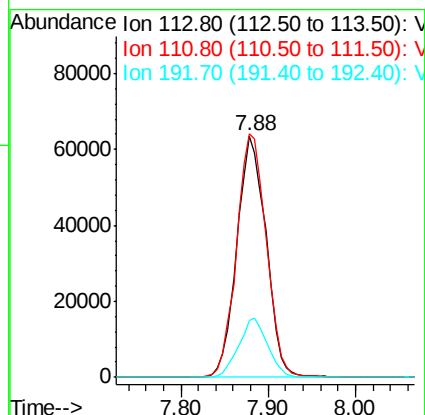
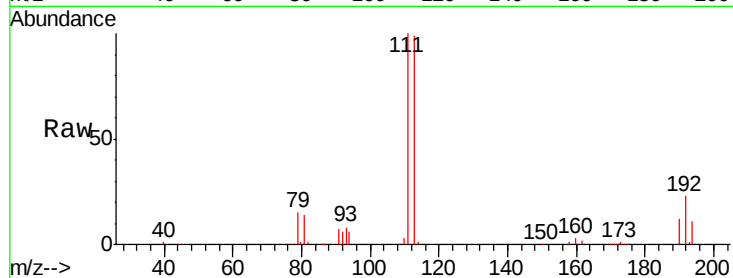




#35
 Dibromofluoromethane
 Concen: 50.720 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

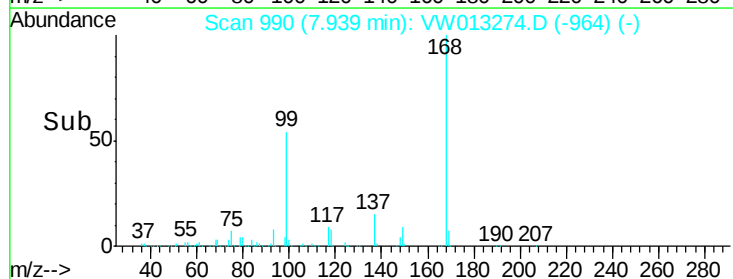
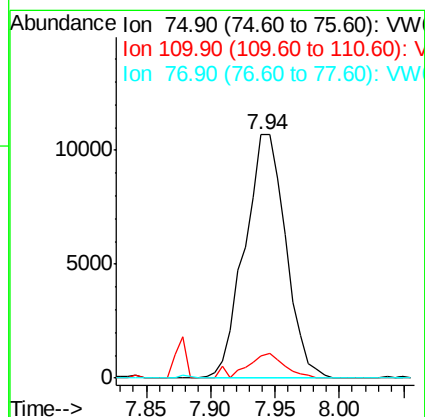
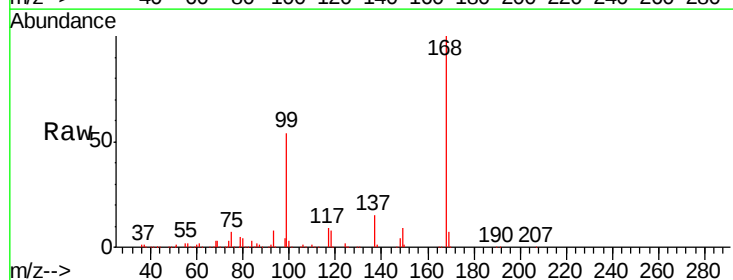
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-092319

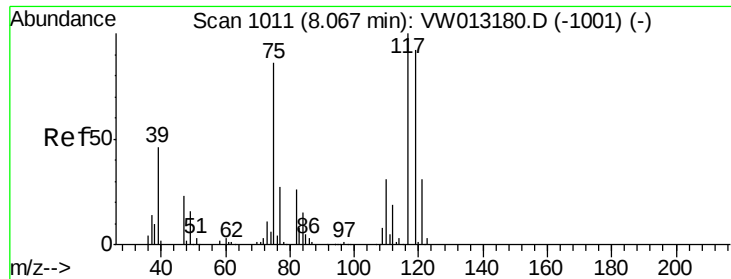
Tgt Ion: 113 Resp: 147968
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.9 122.9
 192 24.2 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.595 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

Tgt Ion: 75 Resp: 23606
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.3#
 77 0.0 25.8 38.6#

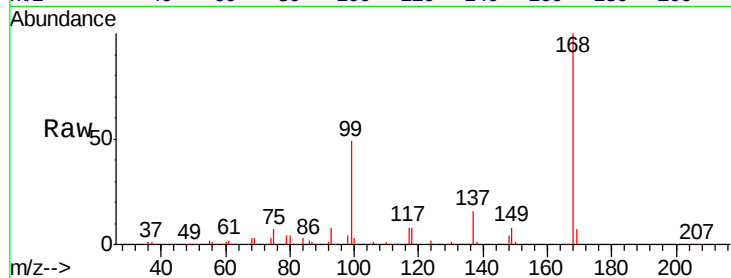




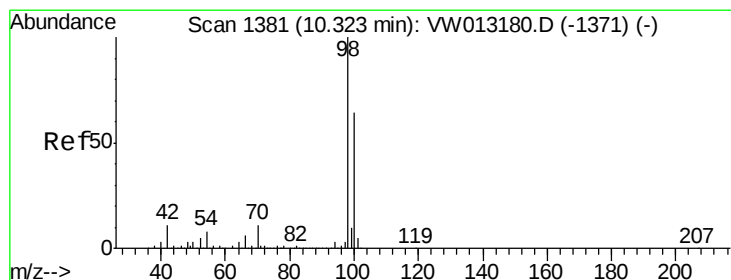
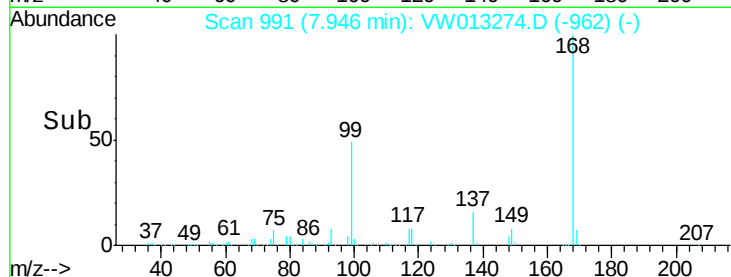
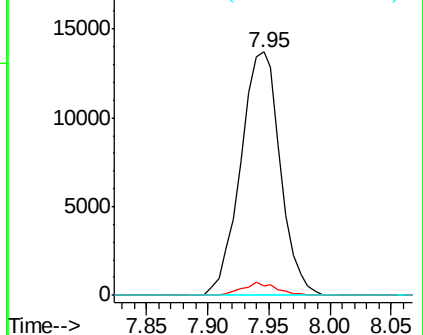
#38
Carbon Tetrachloride
Concen: 6.709 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013274.D
Acq: 24 Sep 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
OR-03-092319

Tgt Ion:117 Resp: 30899
Ion Ratio Lower Upper
117 100
119 4.0 73.5 110.3#
121 0.0 25.0 37.6#

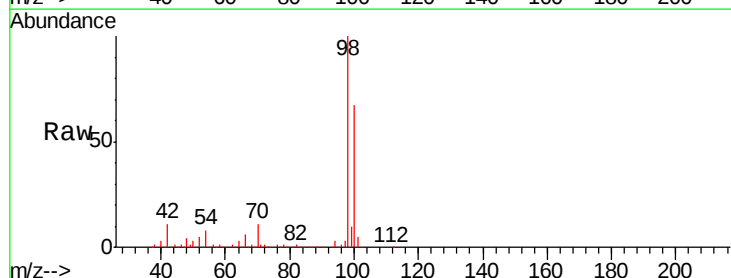


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

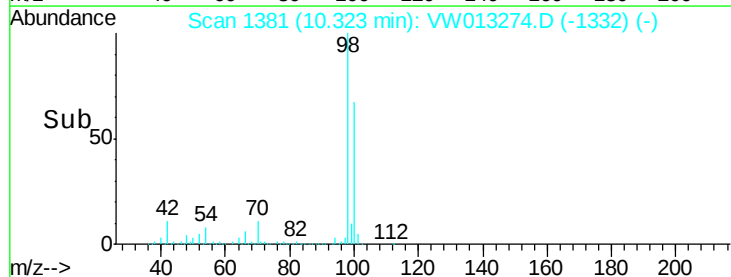
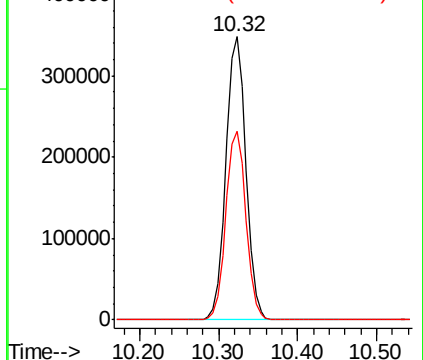


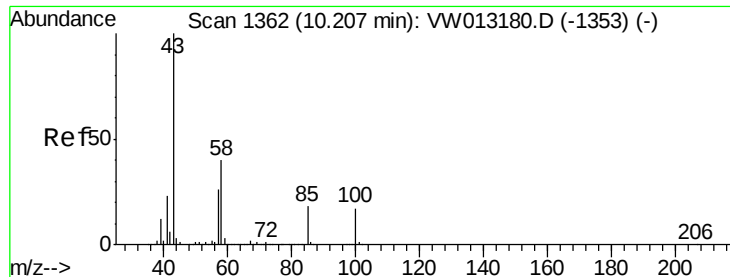
#50
Toluene-d8
Concen: 50.281 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013274.D
Acq: 24 Sep 2019 14:20

Tgt Ion: 98 Resp: 613907
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



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

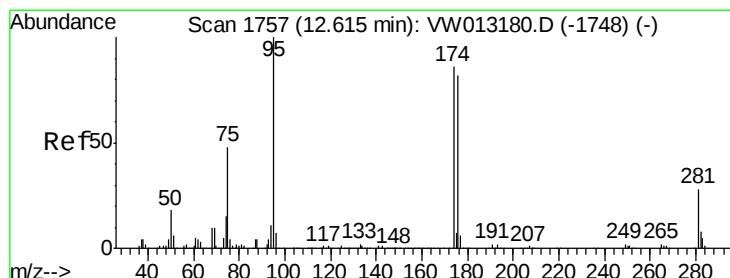
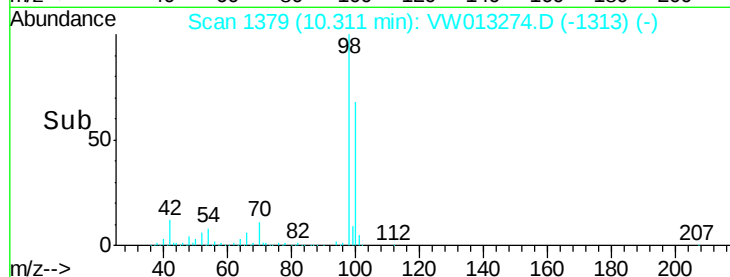
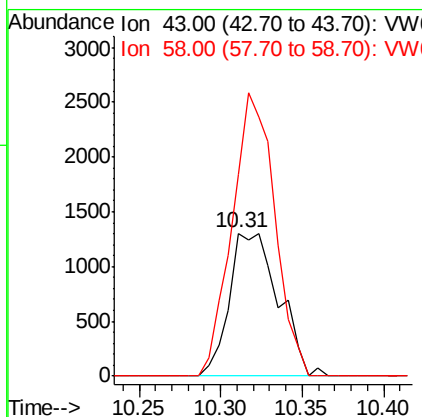
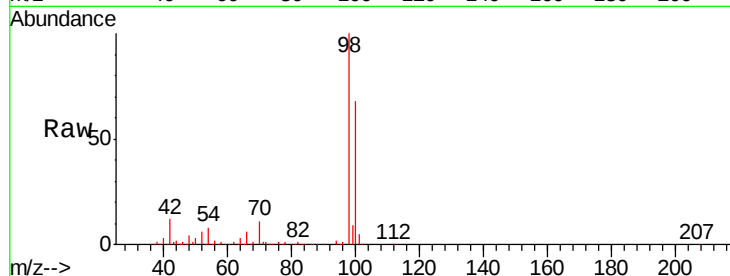




#51
 4-Methyl-2-Pentanone
 Concen: 1.307 ug/l
 RT: 10.31 min Scan# 1379
 Delta R.T. 0.10 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

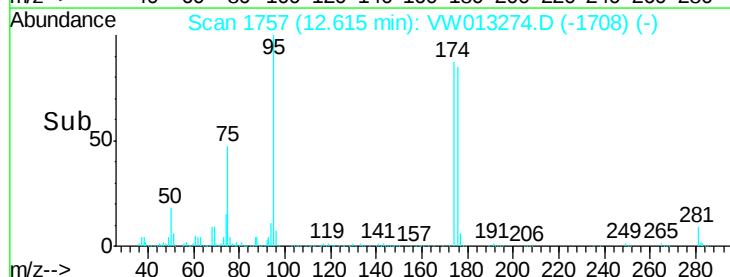
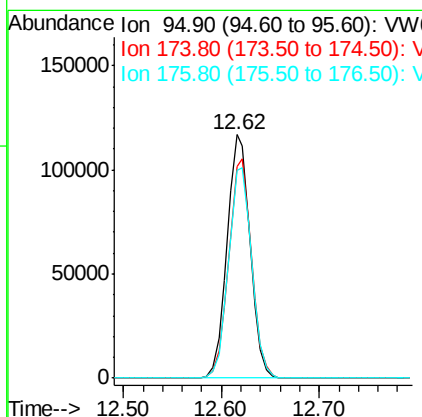
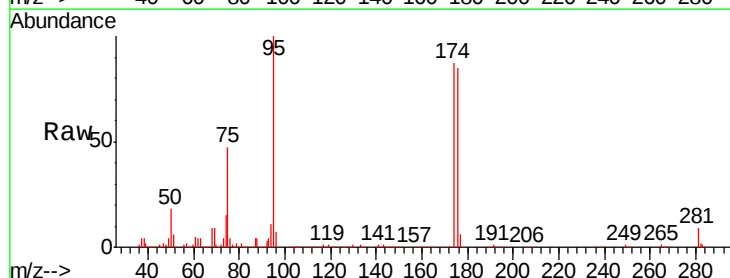
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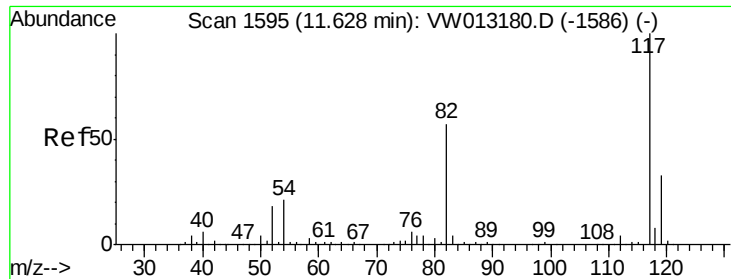
Tgt Ion: 43 Resp: 2741
 Ion Ratio Lower Upper
 43 100
 58 171.6 31.7 47.5#



#62
 4-Bromofluorobenzene
 Concen: 45.686 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013274.D
 Acq: 24 Sep 2019 14:20

Tgt Ion: 95 Resp: 190542
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 178.4
 176 87.1 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: VW013274.D

Acq: 24 Sep 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

OR-03-092319

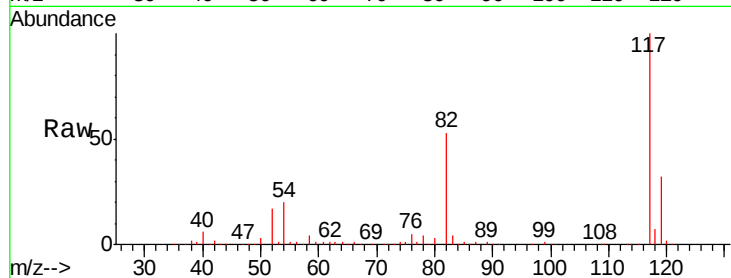
Tgt Ion:117 Resp: 443194

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

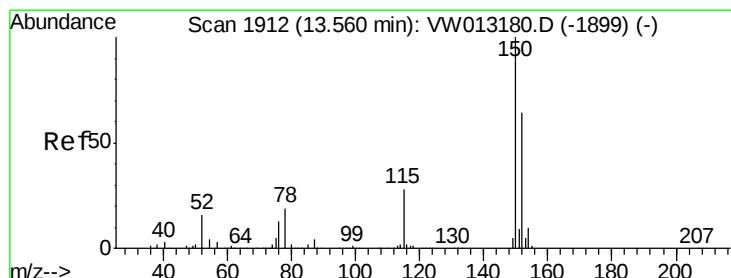
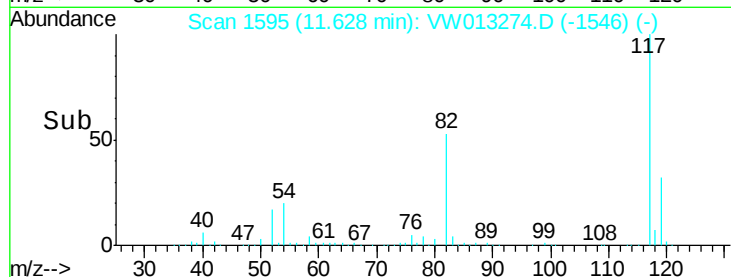
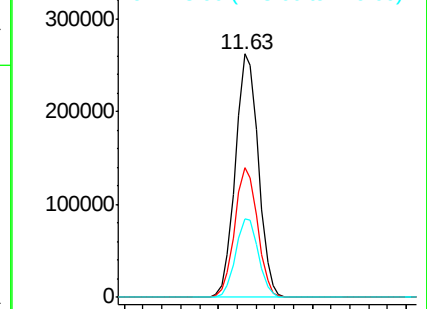
119 32.0 26.2 39.2



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: VW013274.D

Acq: 24 Sep 2019 14:20

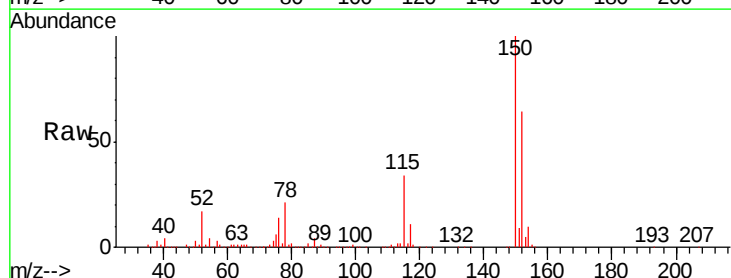
Tgt Ion:152 Resp: 187535

Ion Ratio Lower Upper

152 100

115 56.0 27.3 81.9

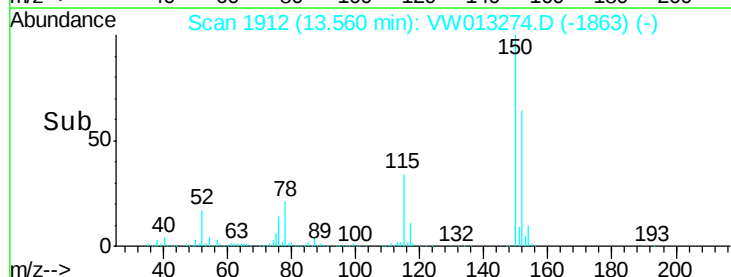
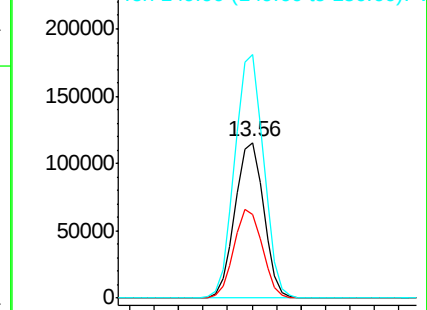
150 157.5 0.0 349.0

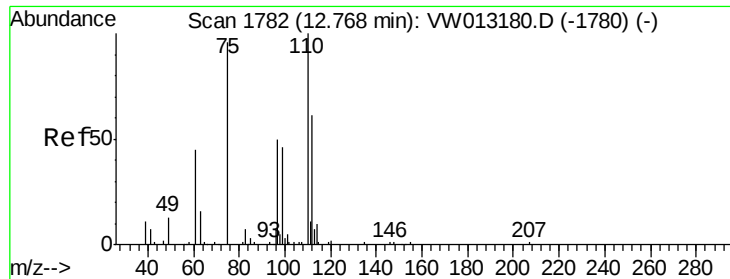


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.272 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013274.D

Acq: 24 Sep 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

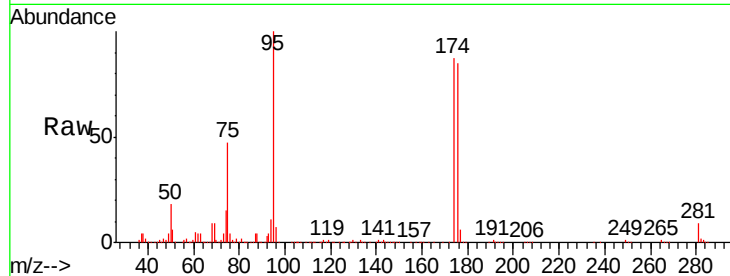
OR-03-092319

Tgt Ion: 75 Resp: 89885

Ion Ratio Lower Upper

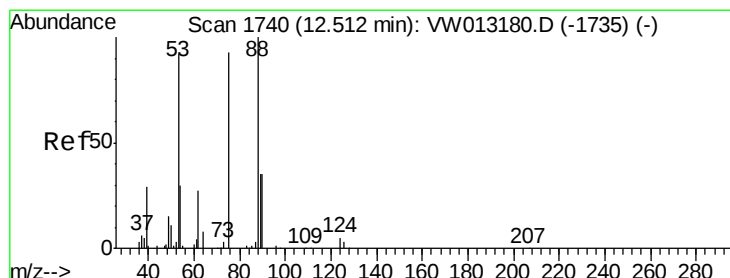
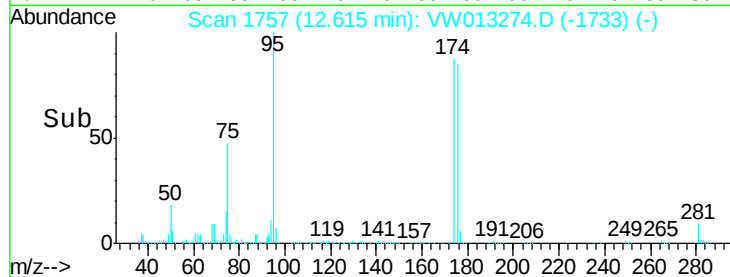
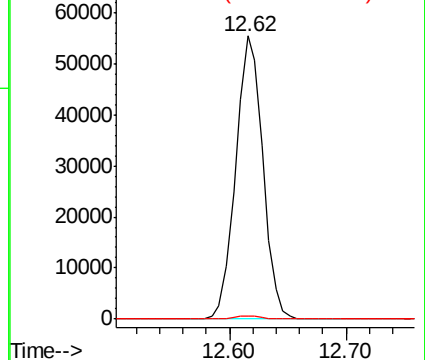
75 100

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: 121.783 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013274.D

Acq: 24 Sep 2019 14:20

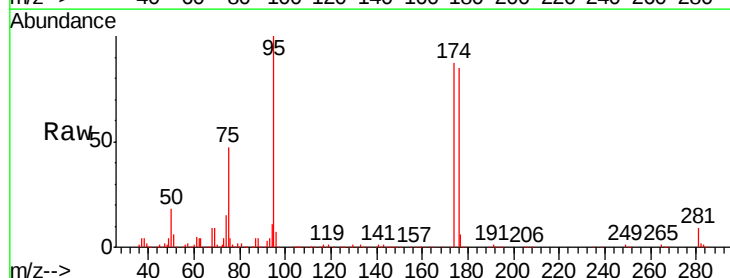
Tgt Ion: 75 Resp: 89885

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

