

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013194.D
 Acq On : 20 Sep 2019 20:35
 Operator : SY/VA
 Sample : K4918-07
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:54:31 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

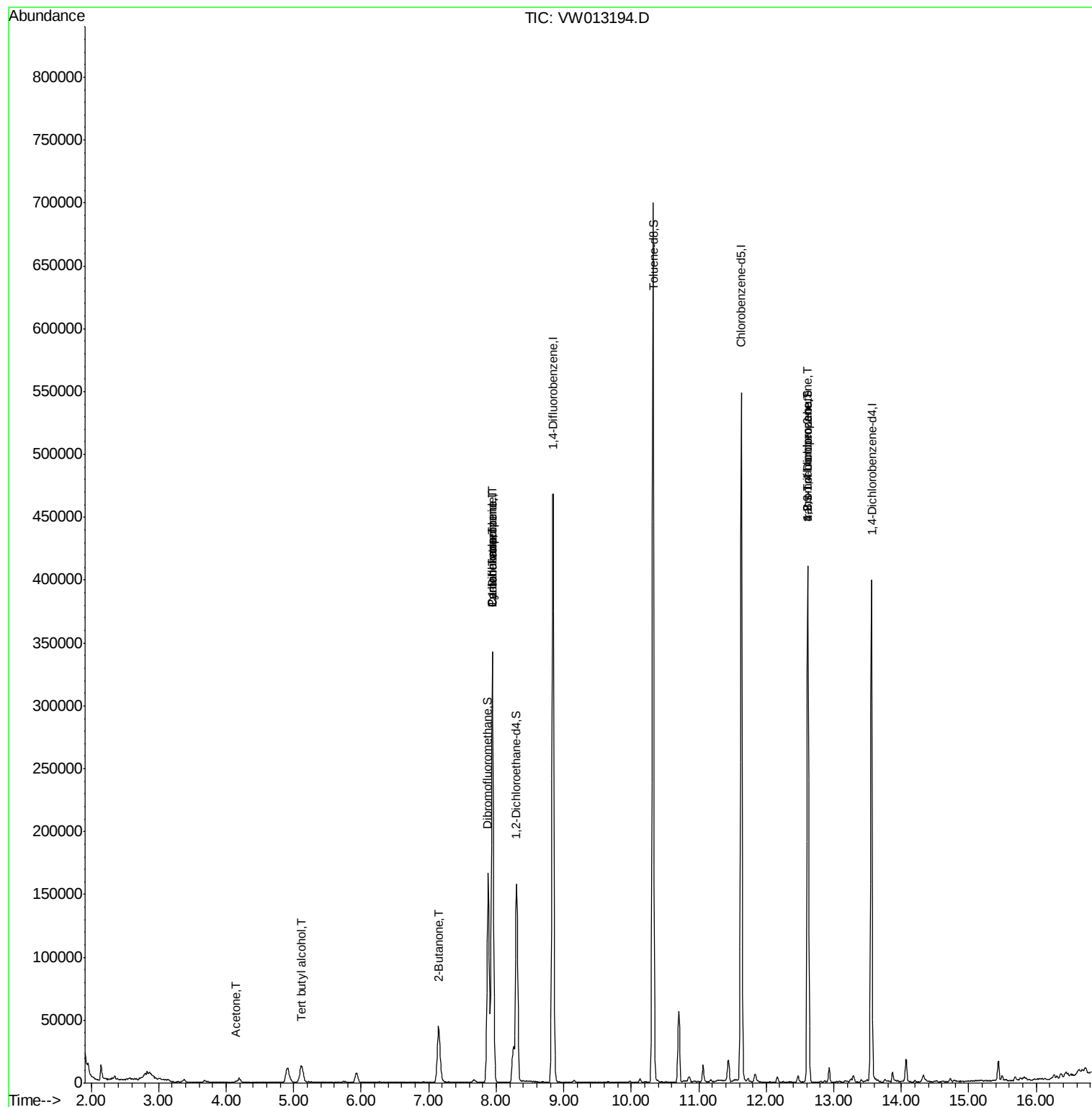
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	124479	54.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.74%	
35) Dibromofluoromethane	7.88	113	120424	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
50) Toluene-d8	10.32	98	461023	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.62	95	125849	38.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.12	59	12564	68.914	ug/l #	73
16) Acetone	4.15	43	2059	3.988	ug/l	93
25) 2-Butanone	7.15	43	2788	3.597	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	3307	Below Cal	#	52
31) Cyclohexane	7.95	56	5058	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18983	4.675	ug/l #	50
38) Carbon Tetrachloride	7.94	117	24519	6.736	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	60898	60.611	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60898	136.005	ug/l #	12

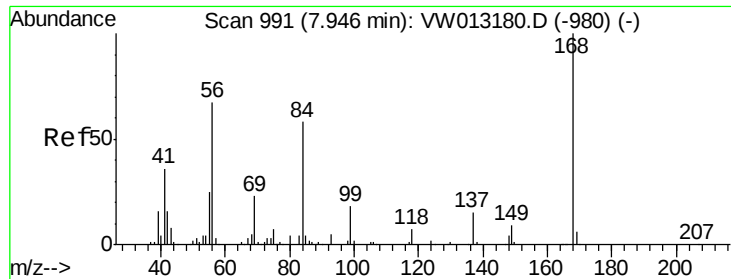
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

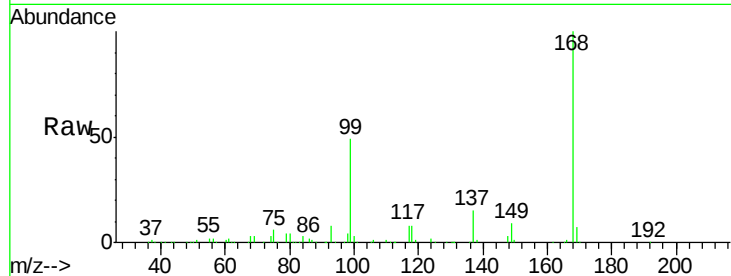
ClientSampleId :

Tot Ion:168 Resp: 280509

Ion Ratio Lower Upper

168 100

99 48.9 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

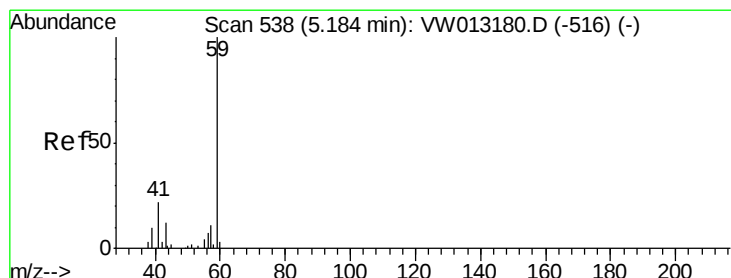
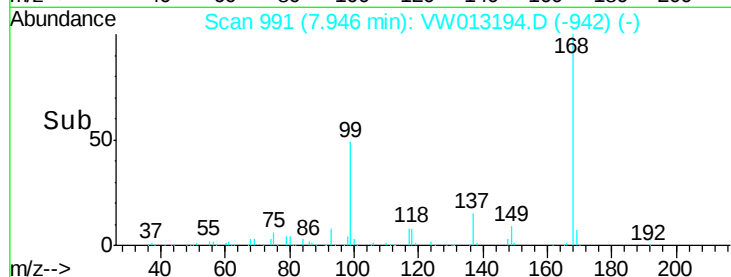
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 68.914 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013194.D

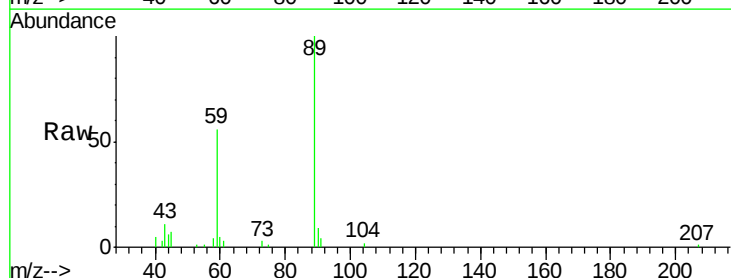
Acq: 20 Sep 2019 20:35

Tgt Ion: 59 Resp: 12564

Ion Ratio Lower Upper

59 100

57 0.2 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

4000

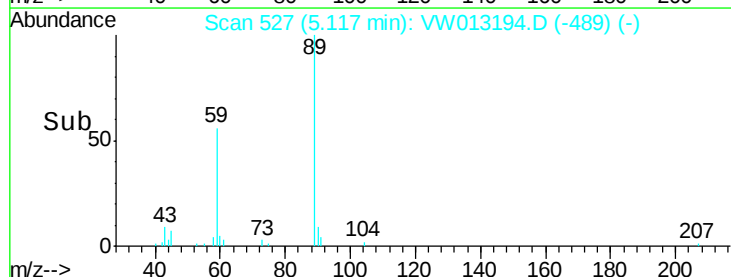
3000

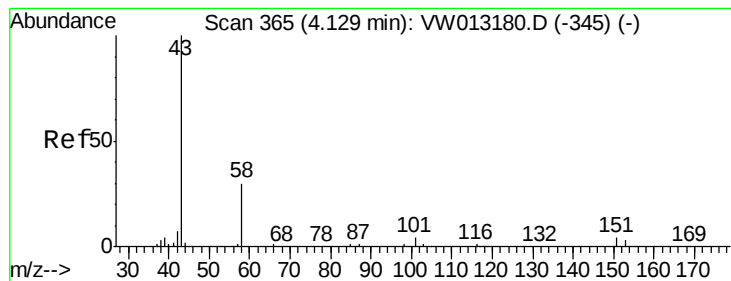
2000

1000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 3.988 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

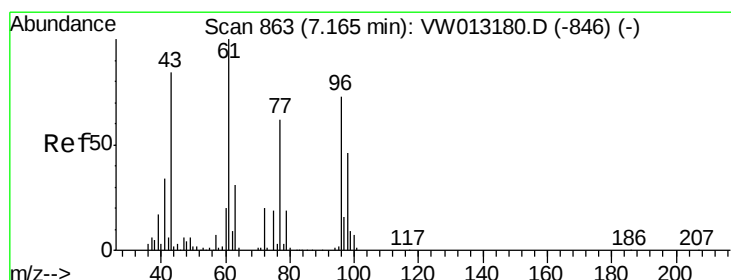
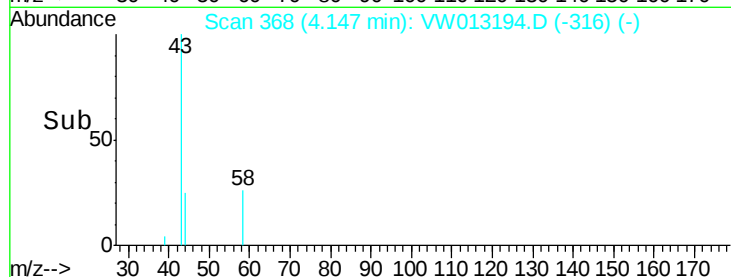
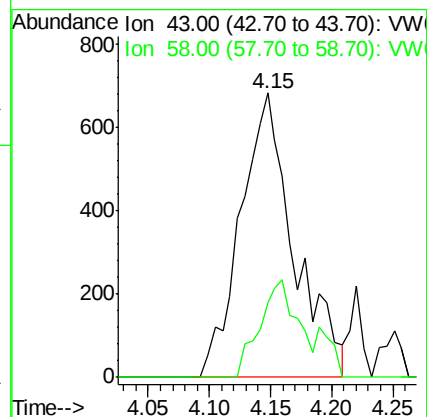
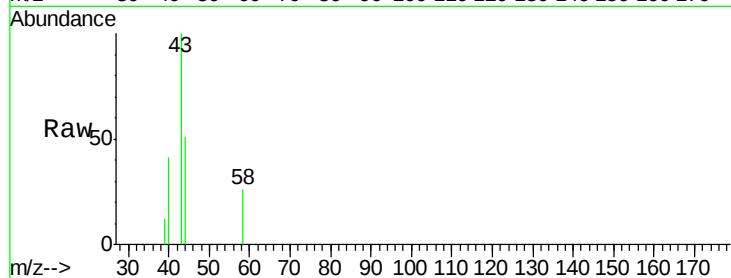
ClientSampleId :

Tot Ion: 43 Resp: 2059

Ion Ratio Lower Upper

43 100

58 26.1 24.1 36.1



#25

2-Butanone

Concen: 3.597 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013194.D

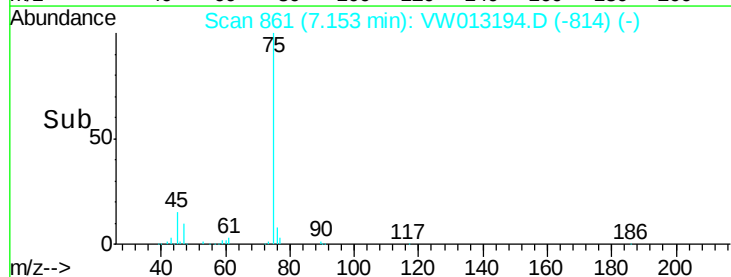
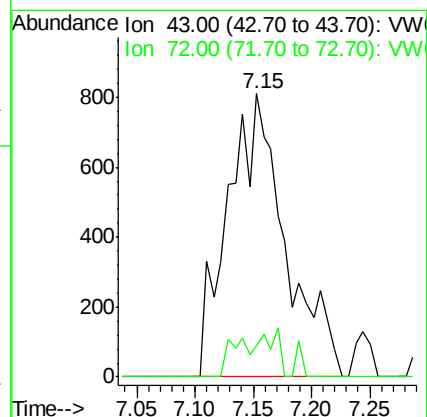
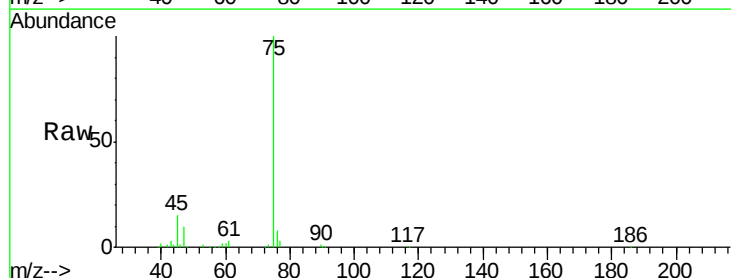
Acq: 20 Sep 2019 20:35

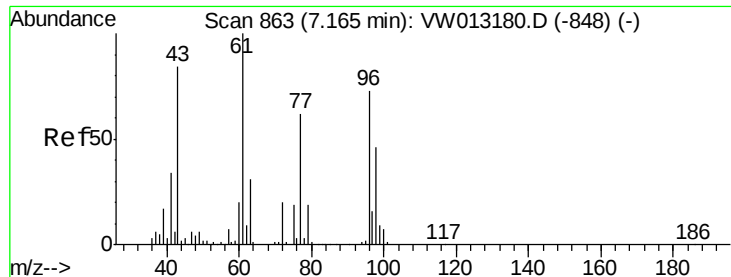
Tgt Ion: 43 Resp: 2788

Ion Ratio Lower Upper

43 100

72 11.0 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

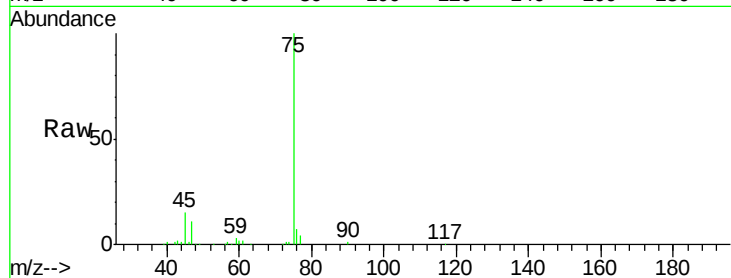
ClientSampled :

Tot Ion: 77 Resp: 3307

Ion Ratio Lower Upper

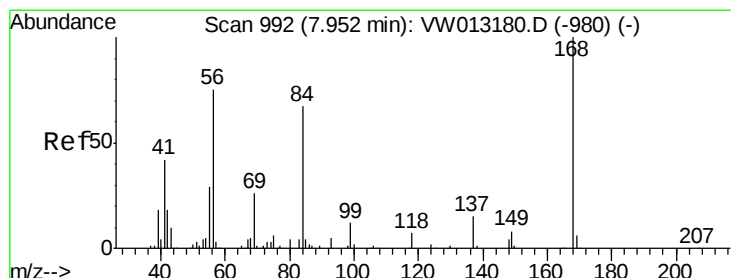
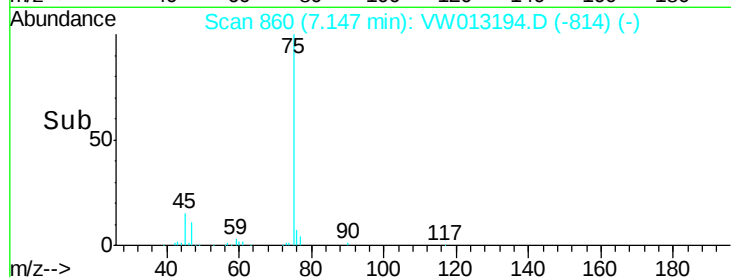
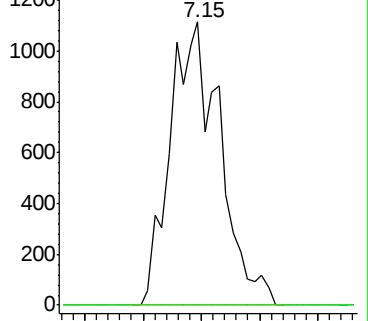
77 100

97 0.0 11.8 35.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

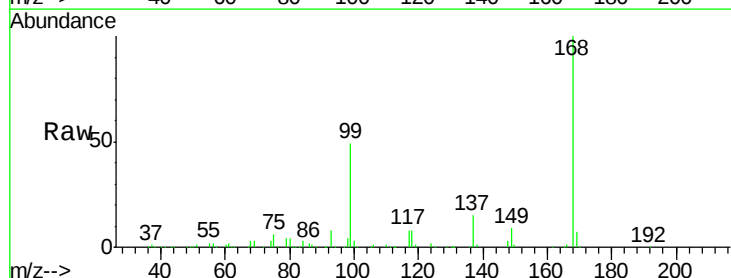
Tgt Ion: 56 Resp: 5058

Ion Ratio Lower Upper

56 100

69 164.7 27.2 40.8#

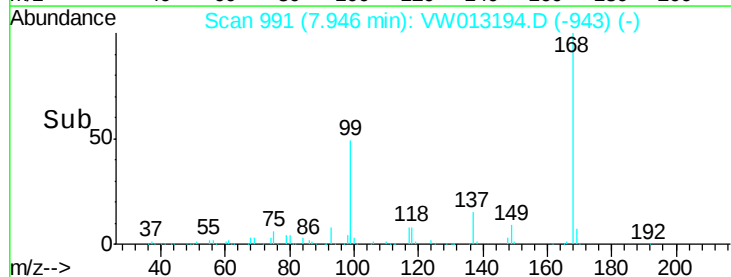
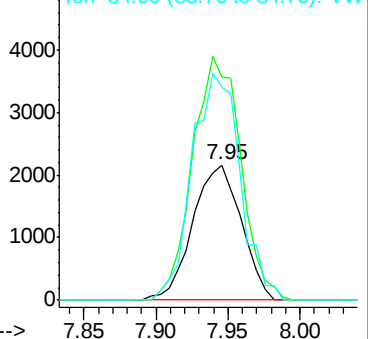
84 157.6 70.8 106.2#

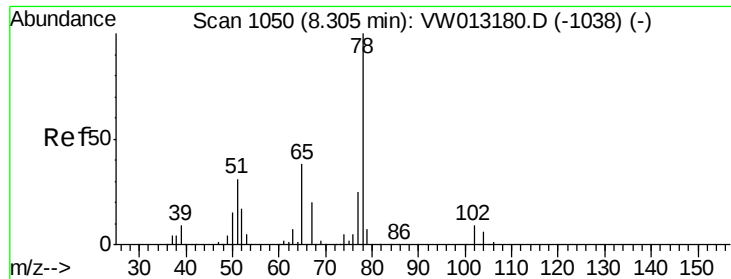


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 54.373 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

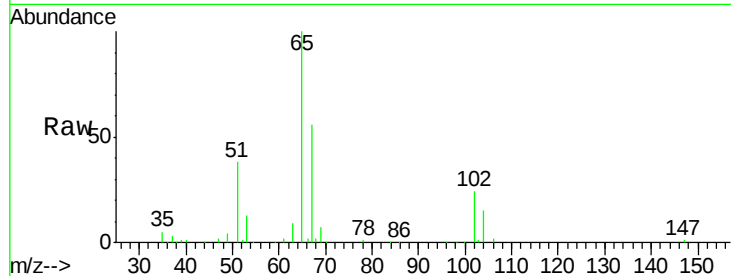
ClientSampled :

Tot Ion: 65 Resp: 124479

Ion Ratio Lower Upper

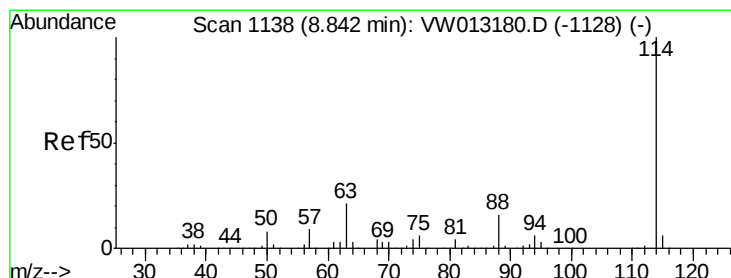
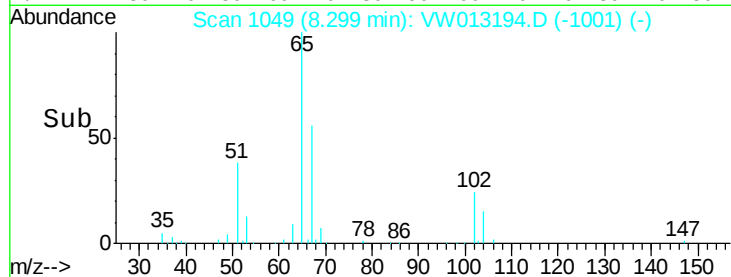
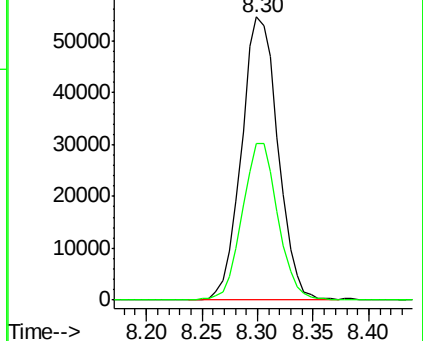
65 100

67 54.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

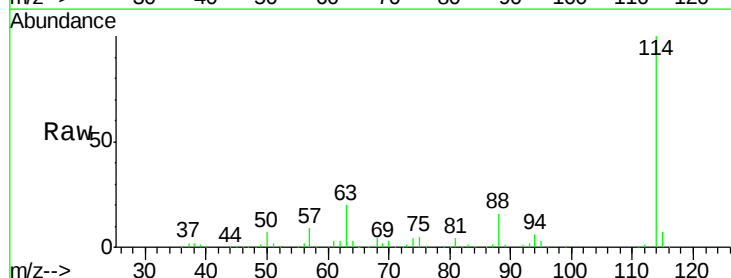
Tgt Ion: 114 Resp: 419227

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

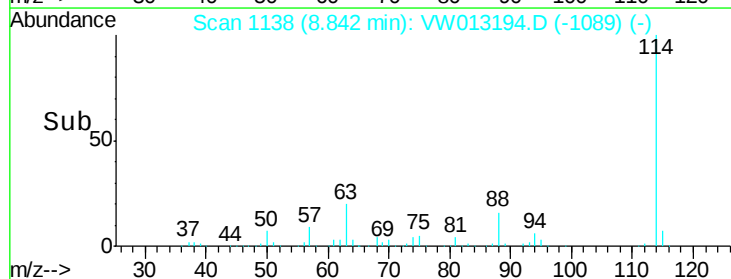
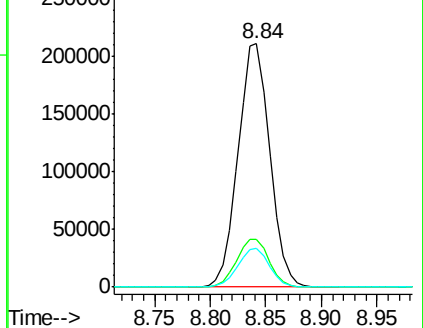
88 15.8 0.0 32.0

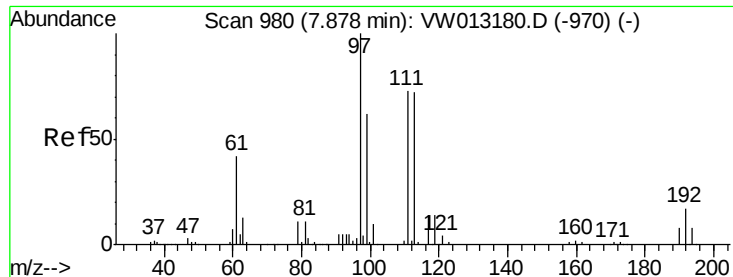


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.228 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

ClientSampleId :

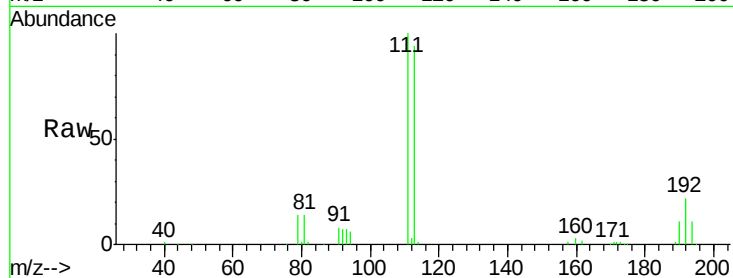
Tot Ion:113 Resp: 120424

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

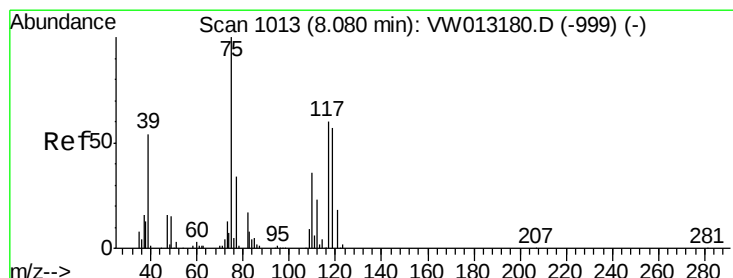
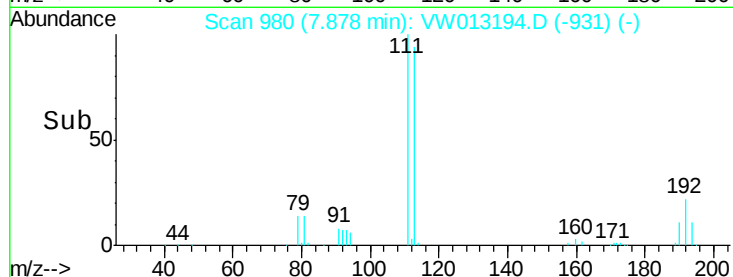
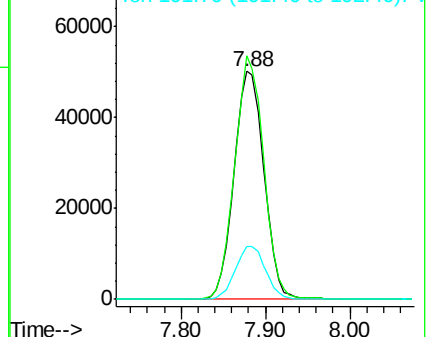
192 23.4 19.1 28.7



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: 4.675 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

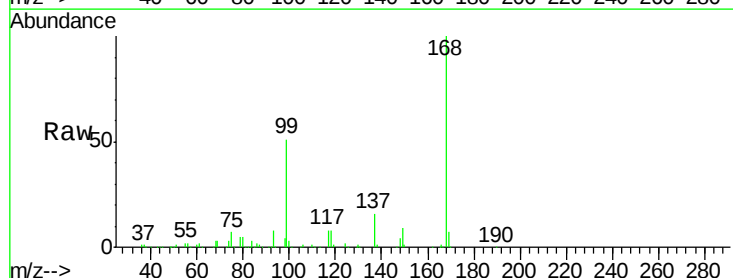
Tgt Ion: 75 Resp: 18983

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.3#

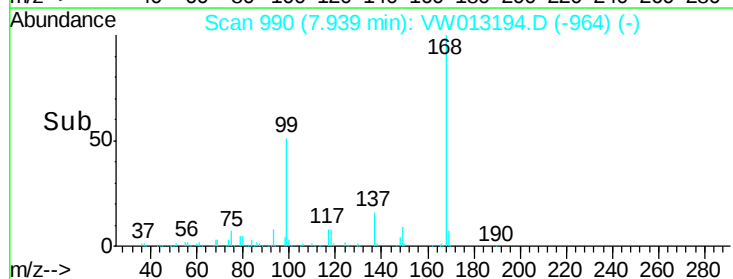
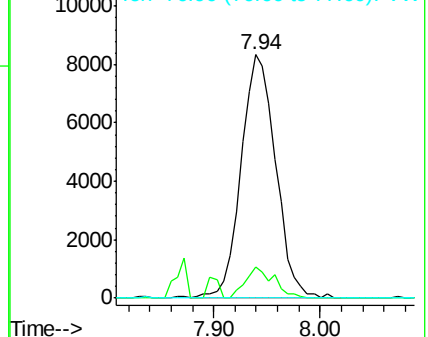
77 0.0 25.8 38.6#

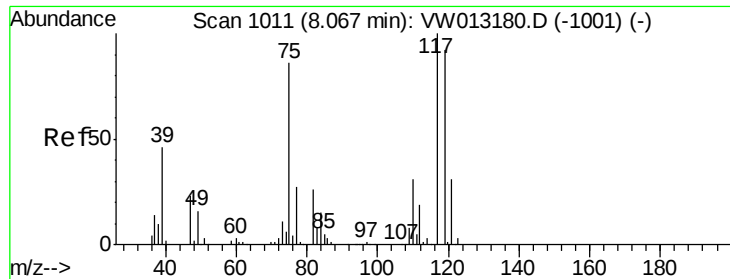


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

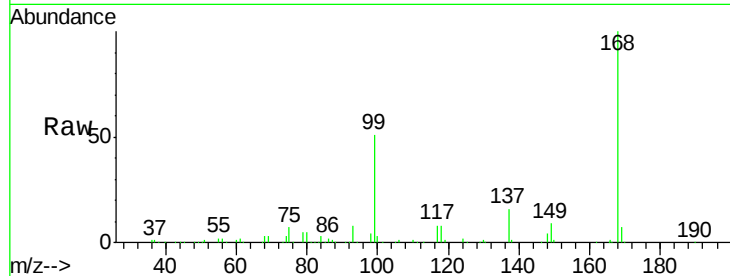




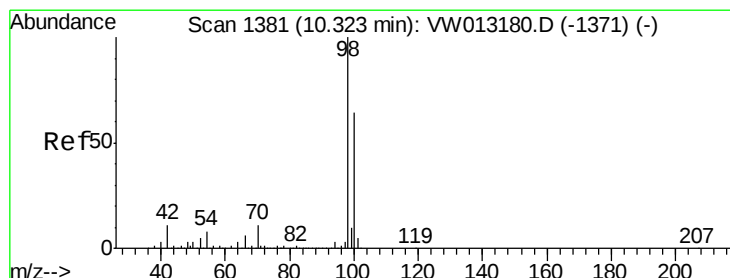
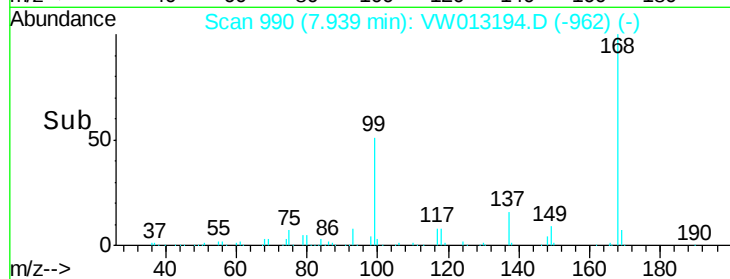
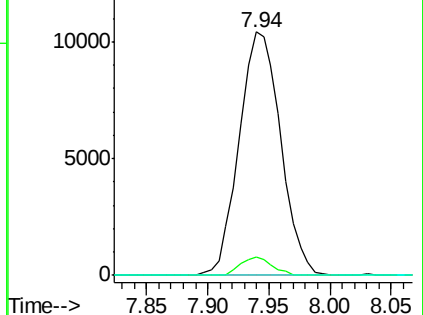
#38
Carbon Tetrachloride
Concen: 6.736 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013194.D
Acq: 20 Sep 2019 20:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 24519
Ion Ratio Lower Upper
117 100
119 7.4 73.5 110.3#
121 0.0 25.0 37.6#

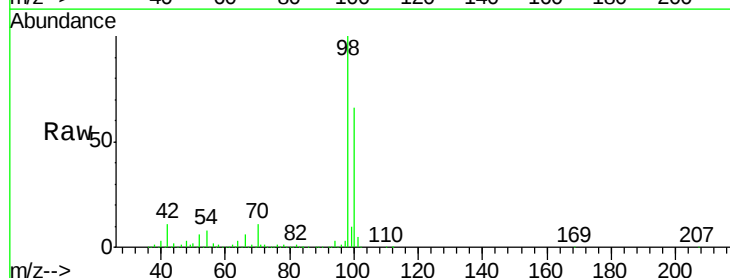


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

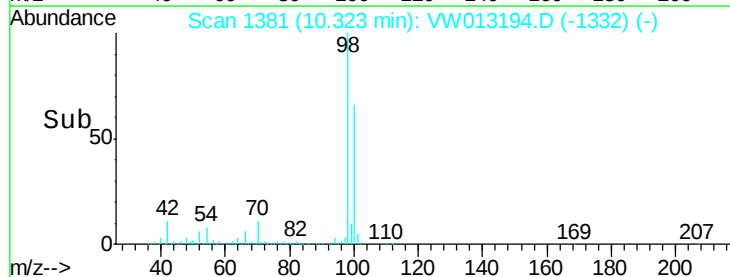
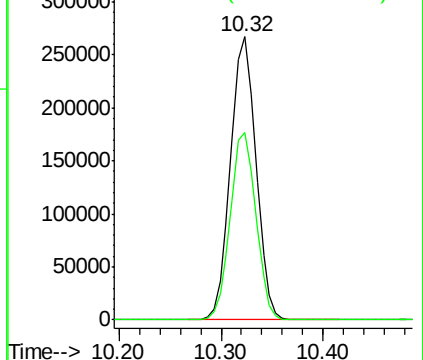


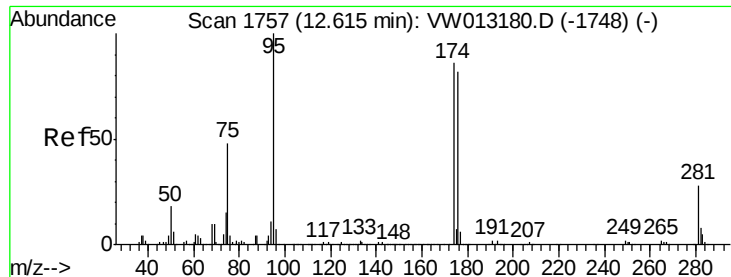
#50
Toluene-d8
Concen: 47.775 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013194.D
Acq: 20 Sep 2019 20:35

Tgt Ion: 98 Resp: 461023
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): VW

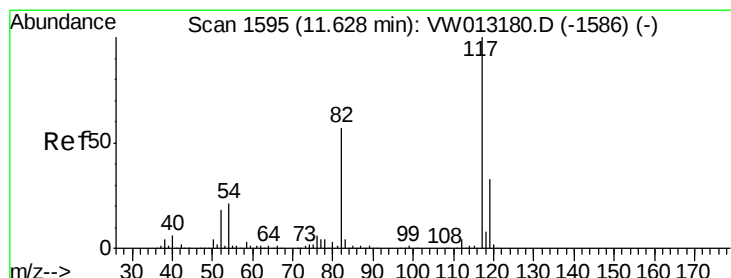
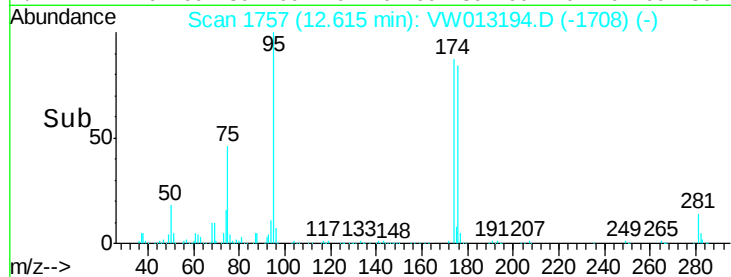
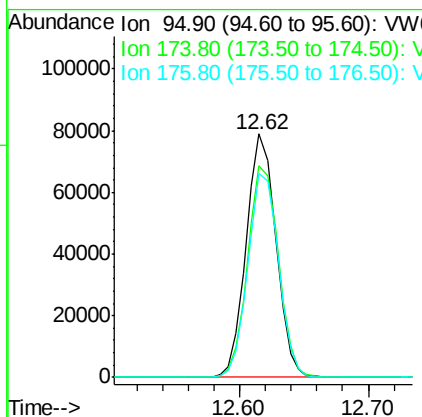
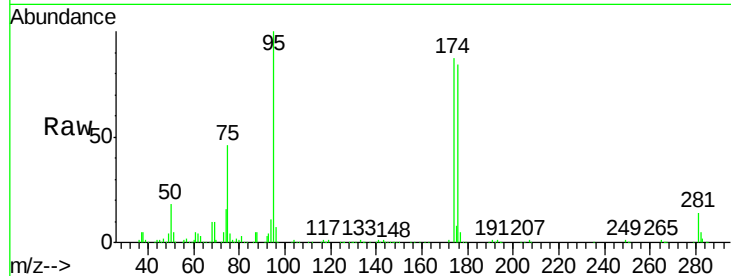




#62
4-Bromofluorobenzene
Concen: 38.179 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013194.D
Acq: 20 Sep 2019 20:35

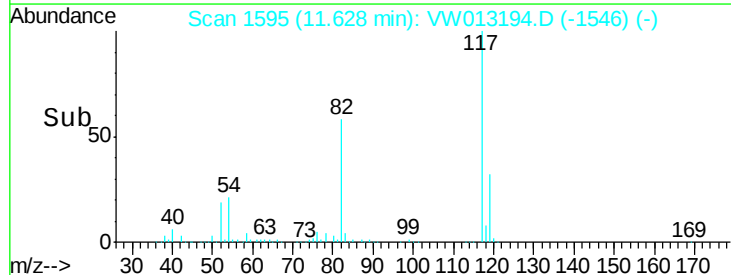
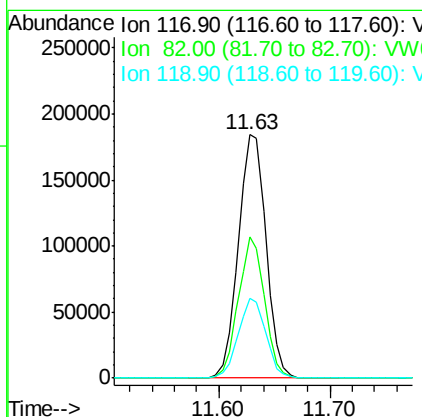
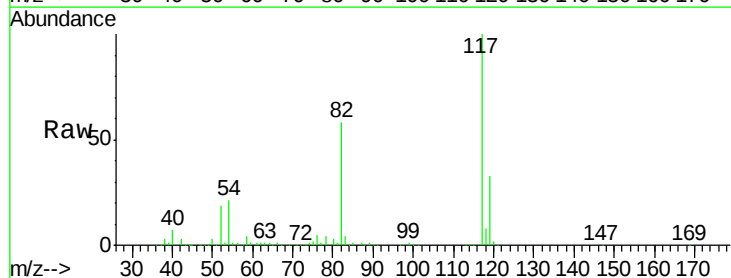
Instrument :
MSVOA_W
ClientSampled :

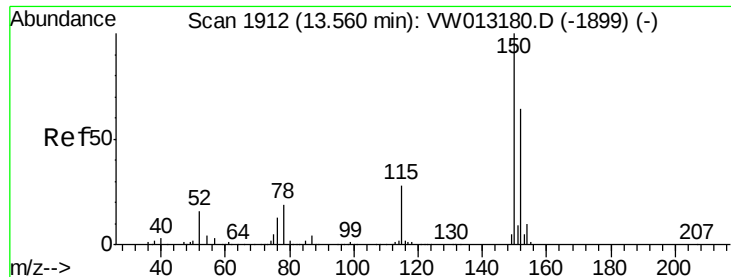
Tot Ion: 95 Resp: 125849
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.4
176 85.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013194.D
Acq: 20 Sep 2019 20:35

Tgt Ion: 117 Resp: 317377
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 32.5 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: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

ClientSampleId :

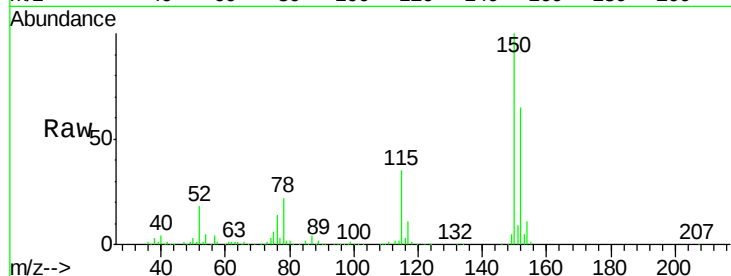
Tot Ion:152 Resp: 113770

Ion Ratio Lower Upper

152 100

115 54.9 27.3 81.9

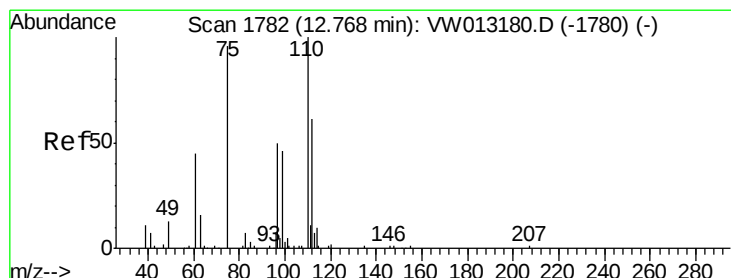
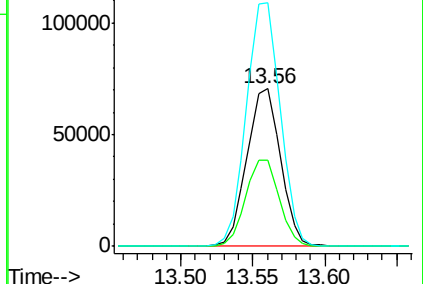
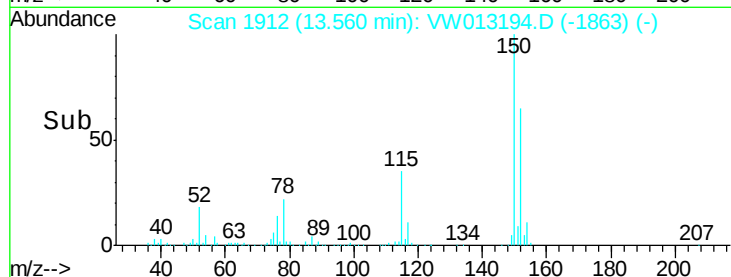
150 156.3 0.0 349.0



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: 60.611 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013194.D

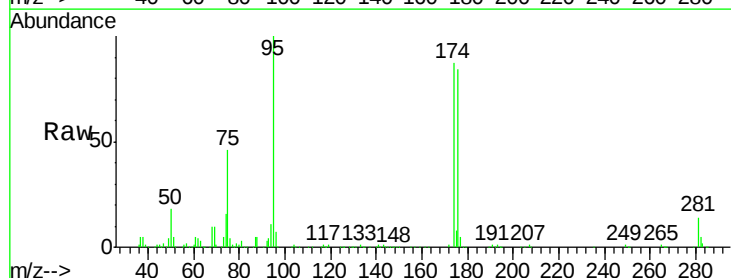
Acq: 20 Sep 2019 20:35

Tgt Ion: 75 Resp: 60898

Ion Ratio Lower Upper

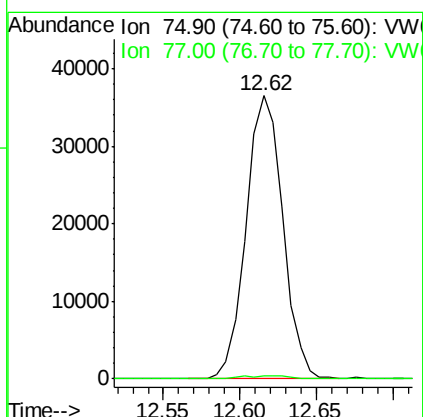
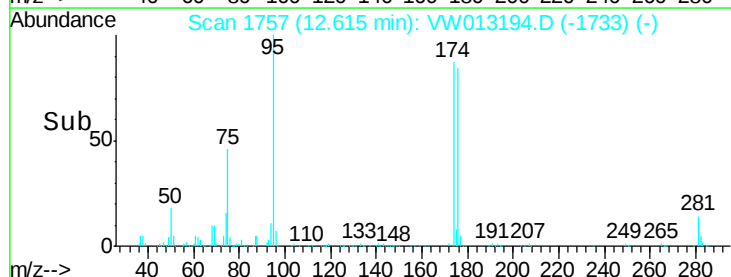
75 100

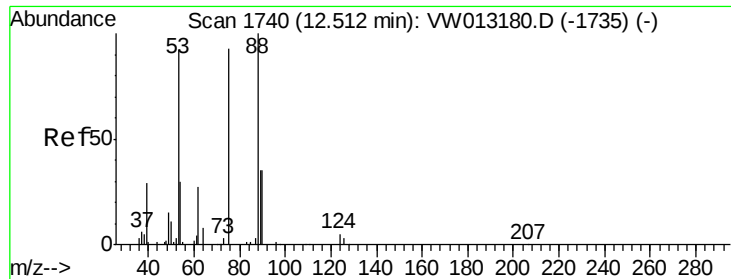
77 1.4 0.0 0.0#



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: 136.005 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013194.D

Acq: 20 Sep 2019 20:35

Instrument :

MSVOA_W

ClientSampleId :

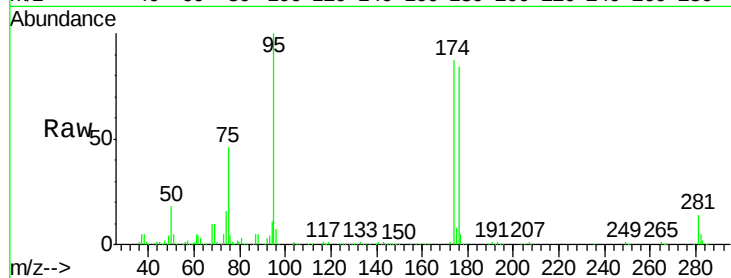
Tot Ion: 75 Resp: 60898

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 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

