

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013778.D
 Acq On : 28 Oct 2019 20:17
 Operator : SY/VA
 Sample : K5563-05
 Misc : 6.99G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ESW

Quant Time: Oct 29 11:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

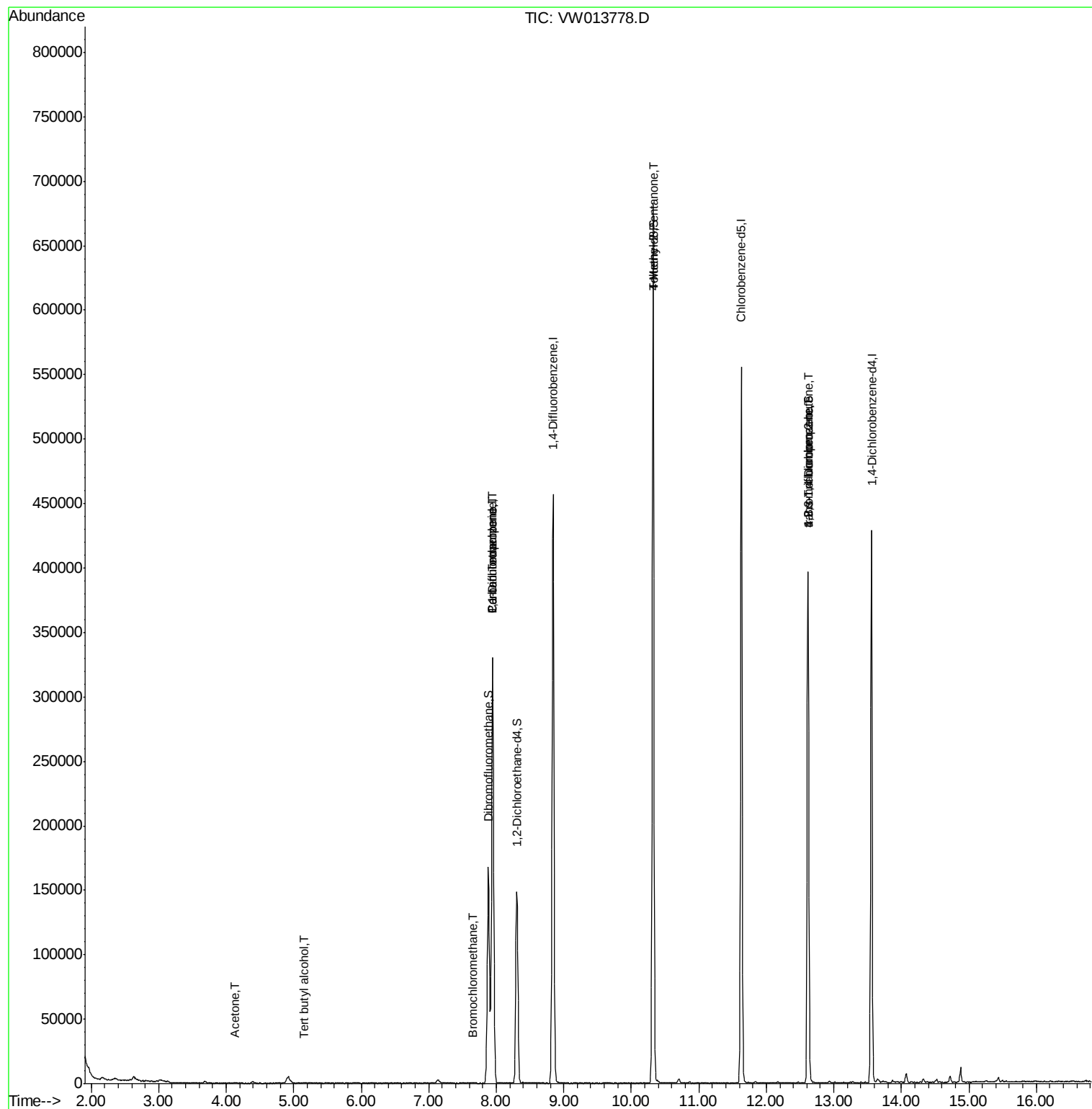
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	125254	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	118605	57.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.16%	
35) Dibromofluoromethane	7.88	113	122551	54.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.04%	
50) Toluene-d8	10.32	98	468788	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	130838	41.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.60%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.15	59	198	1.610	ug/l #	71
16) Acetone	4.13	43	1195	2.736	ug/l	97
20) Methylene Chloride	4.92	84	4772	Below Cal	#	81
28) Bromochloromethane	7.65	49	21	1.353	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17350	4.563	ug/l #	48
38) Carbon Tetrachloride	7.95	117	23698	6.921	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2124	1.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	62420	69.394	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62420	131.145	ug/l #	14

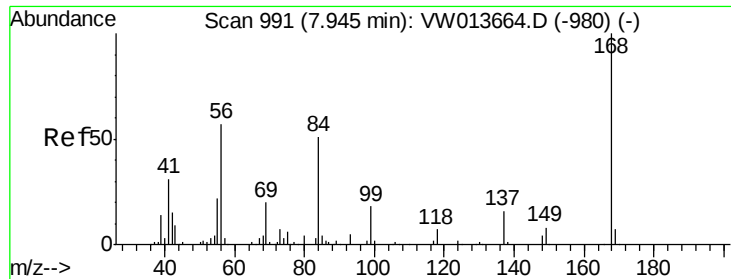
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:11:46 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: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampled :

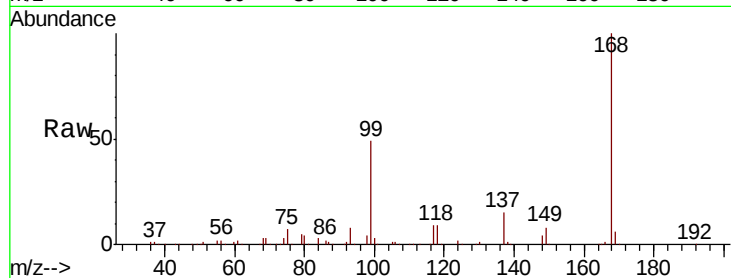
ESW

Tot Ion:168 Resp: 274593

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

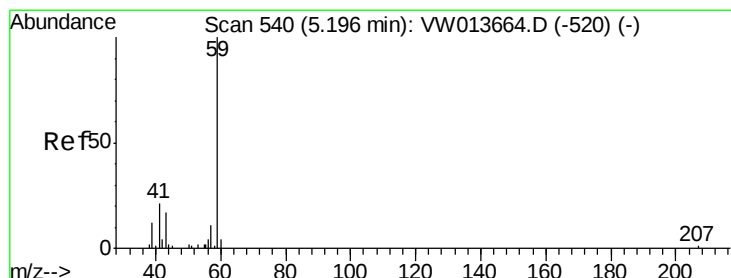
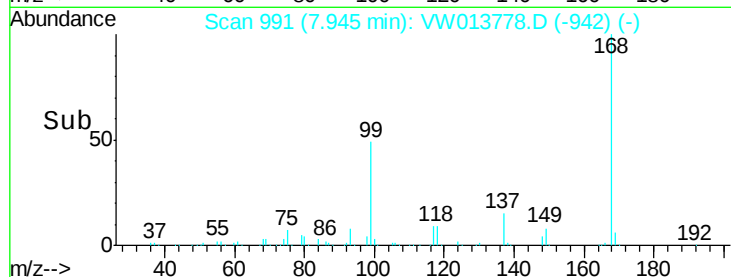
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.610 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.05 min

Lab File: VW013778.D

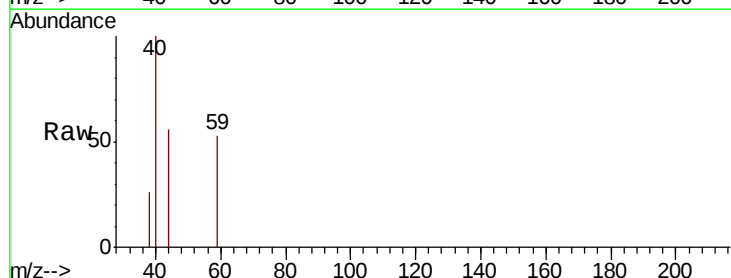
Acq: 28 Oct 2019 20:17

Tgt Ion: 59 Resp: 198

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

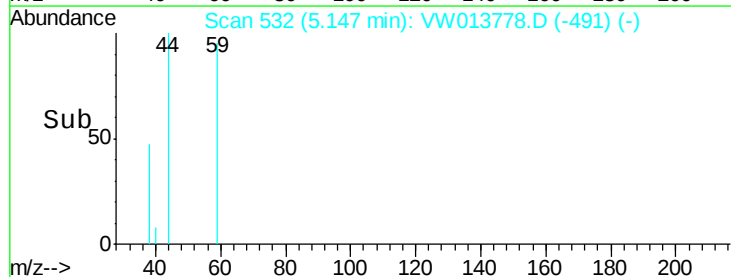
150

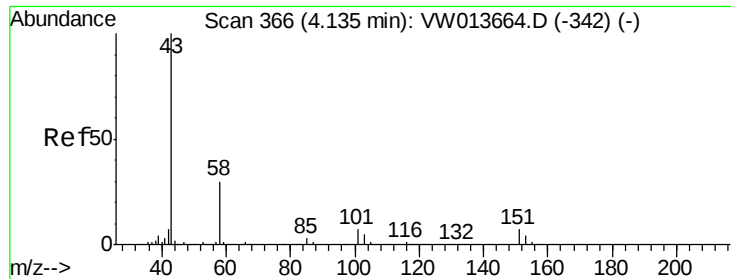
100

50

0

Time--> 5.10 5.12 5.14 5.16

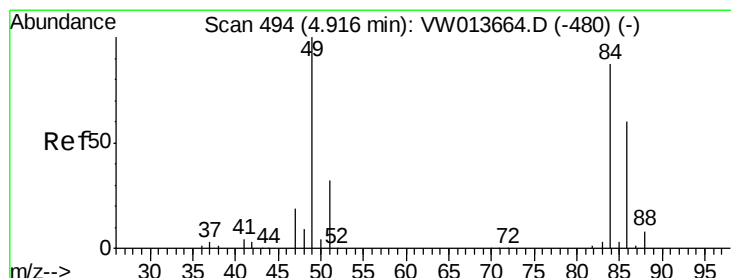
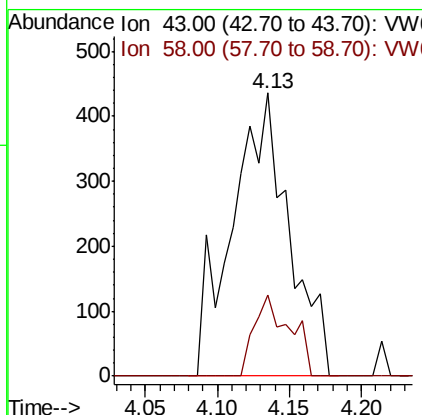
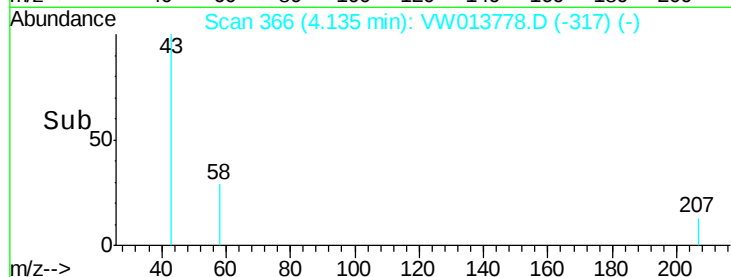
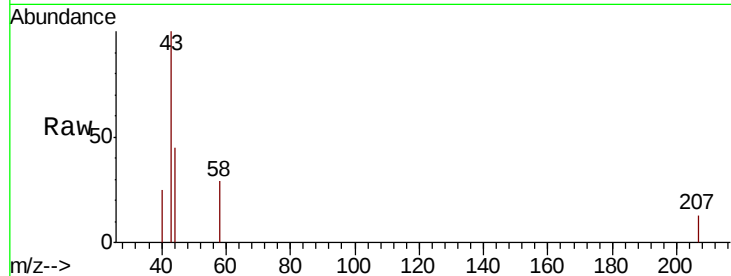




#16
Acetone
Concen: 2.736 ug/l
RT: 4.13 min Scan# 366
Delta R.T. -0.00 min
Lab File: VW013778.D
Acq: 28 Oct 2019 20:17

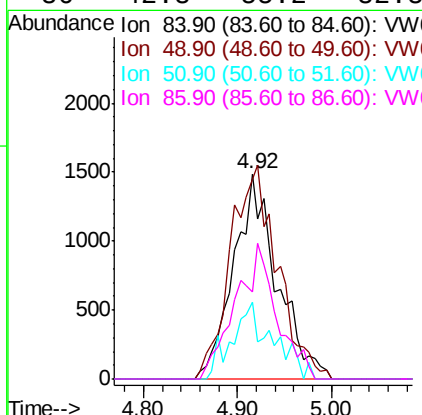
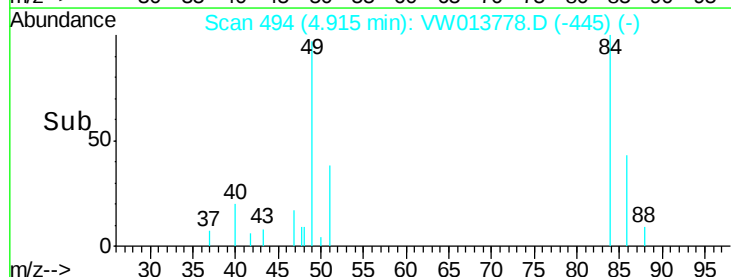
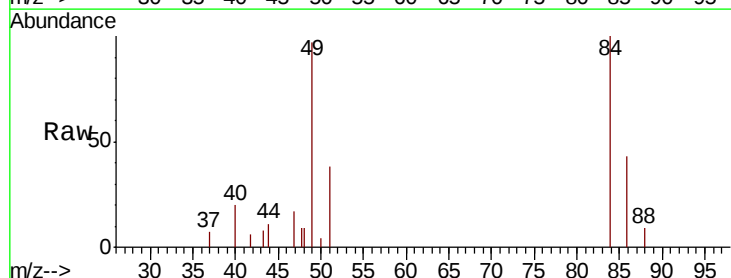
Instrument :
MSVOA_W
ClientSampled :
ESW

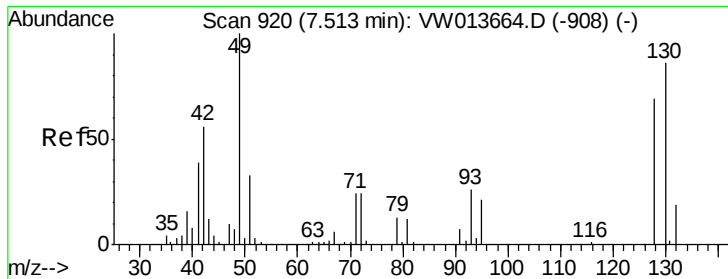
Tot Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
58 28.7 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013778.D
Acq: 28 Oct 2019 20:17

Tgt Ion: 84 Resp: 4772
Ion Ratio Lower Upper
84 100
49 97.2 91.8 137.6
51 37.6 29.8 44.6
86 42.8 55.2 82.8#





#28

Bromochloromethane

Concen: 1.353 ug/l

RT: 7.65 min Scan# 943

Delta R.T. 0.14 min

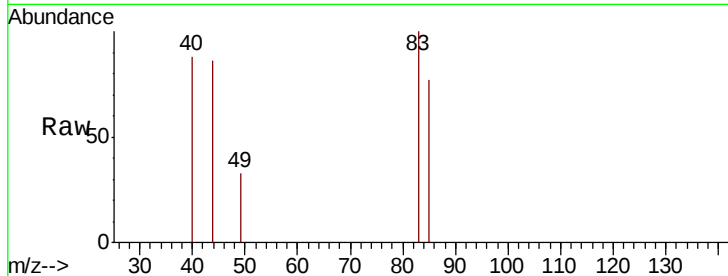
Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :
MSVOA_W
ClientSampleId :
ESW

Tot Ion: 49 Resp: 21

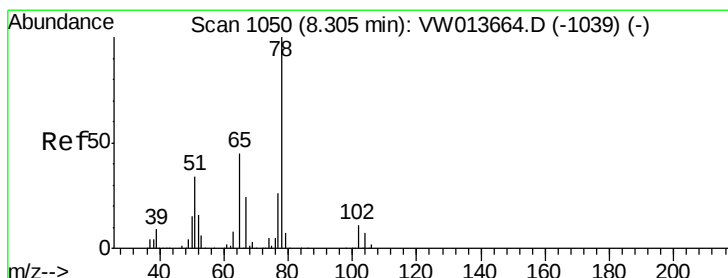
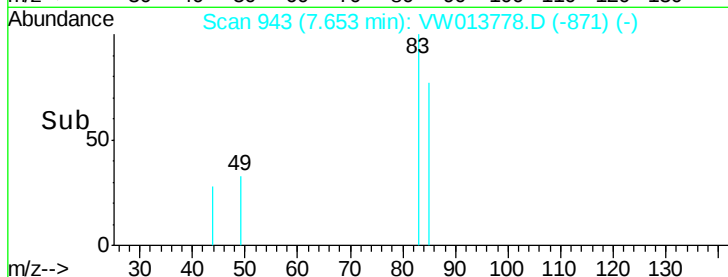
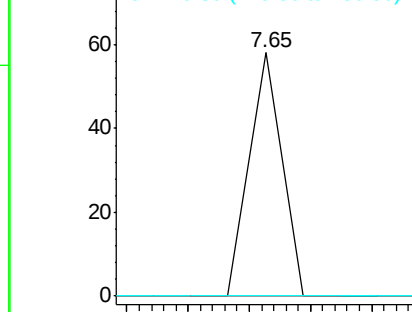
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.6
130	0.0	67.5	101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 57.578 ug/l

RT: 8.30 min Scan# 1050

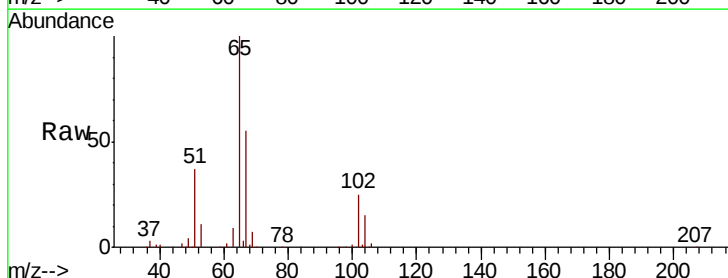
Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

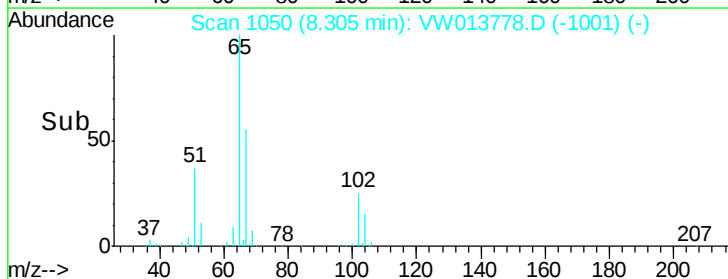
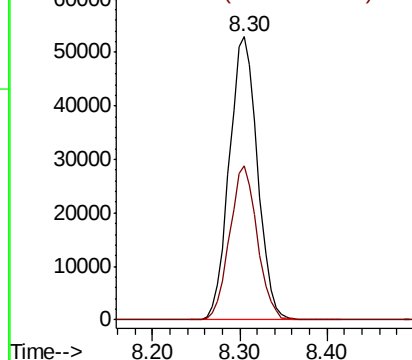
Tgt Ion: 65 Resp: 118605

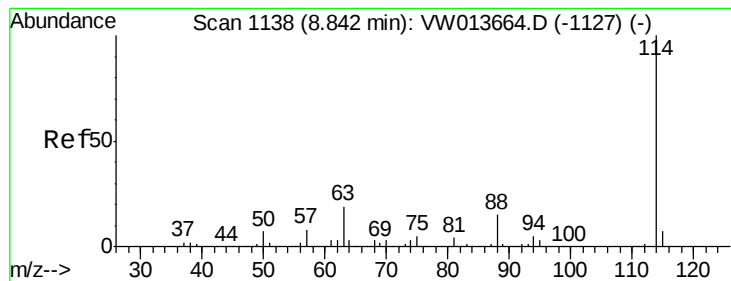
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	109.4



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: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampled :

ESW

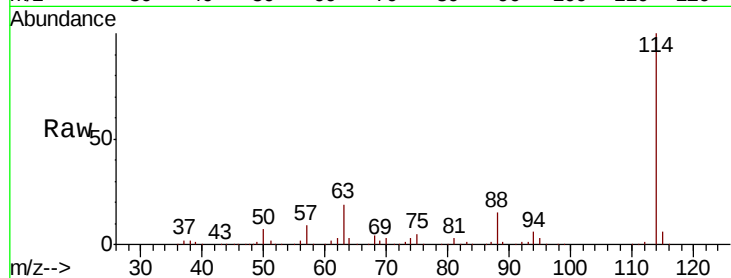
Tot Ion:114 Resp: 408287

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.6

88 15.1 0.0 30.2



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

250000

200000

150000

100000

50000

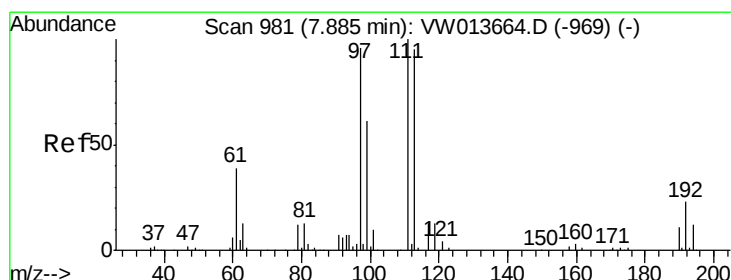
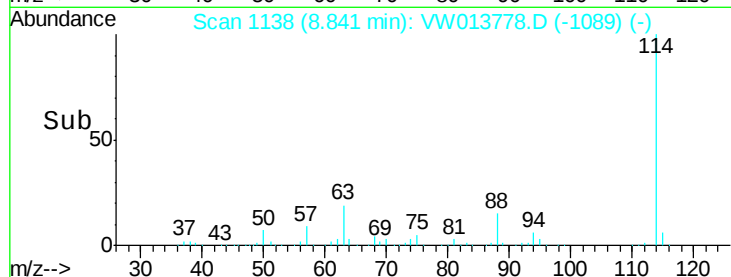
0

8.84

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.019 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

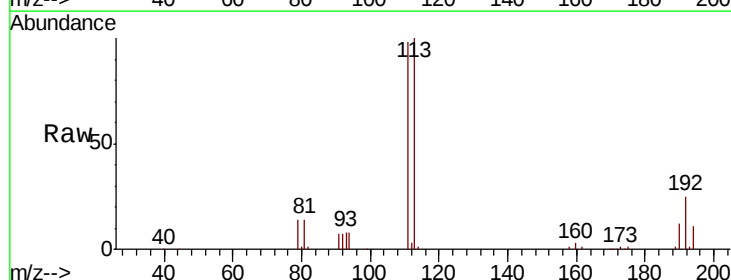
Tgt Ion:113 Resp: 122551

Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.6

192 23.7 19.4 29.2



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

60000

40000

20000

0

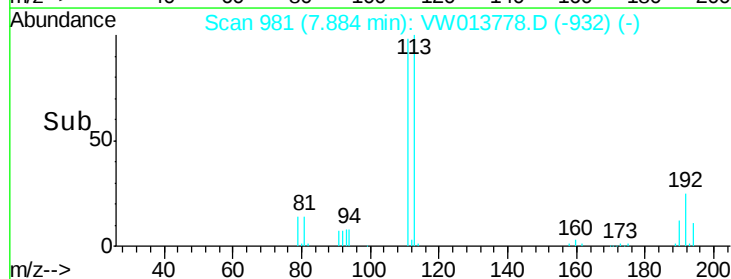
7.88

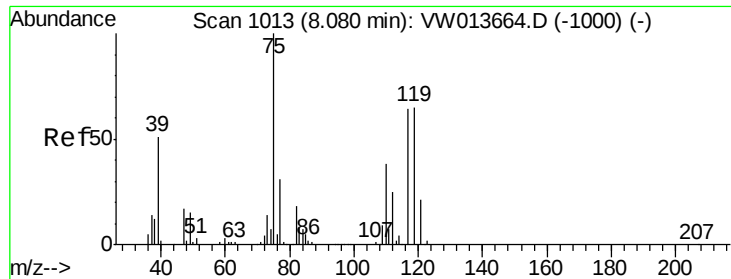
7.80

7.90

8.00

Time-->

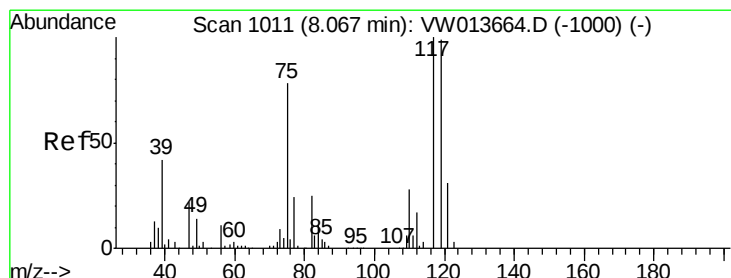
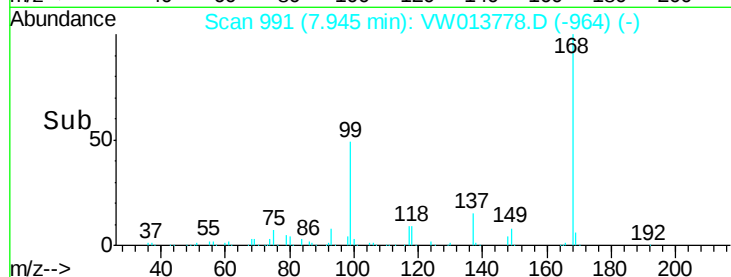
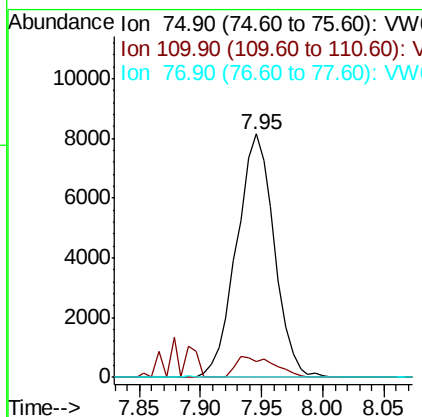
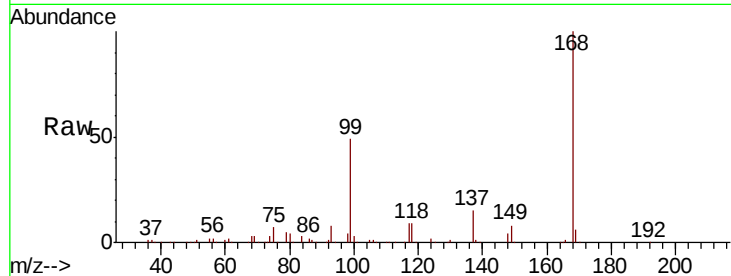




#36
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013778.D
 Acq: 28 Oct 2019 20:17

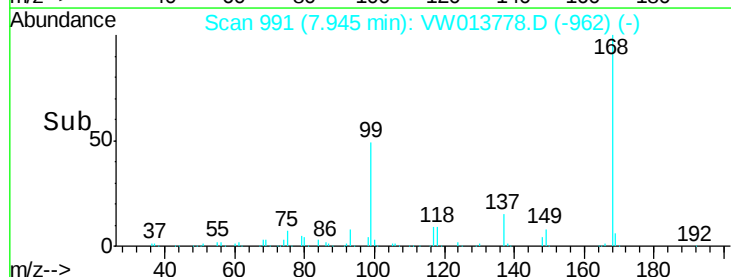
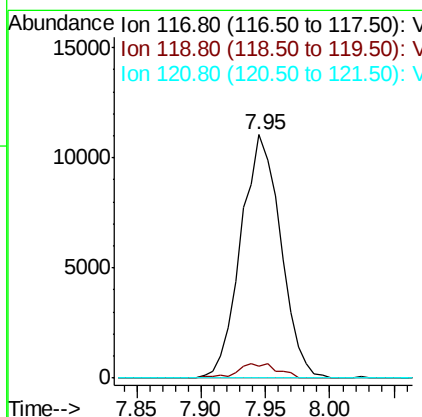
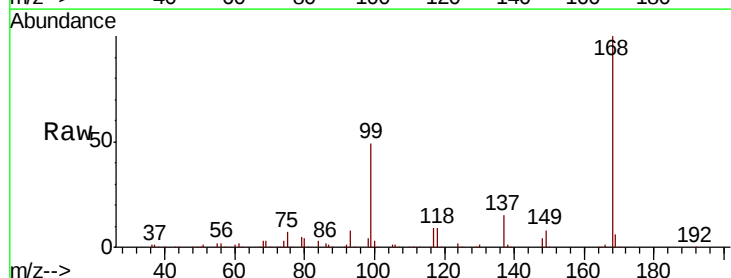
Instrument :
 MSVOA_W
 ClientSampled :
 ESW

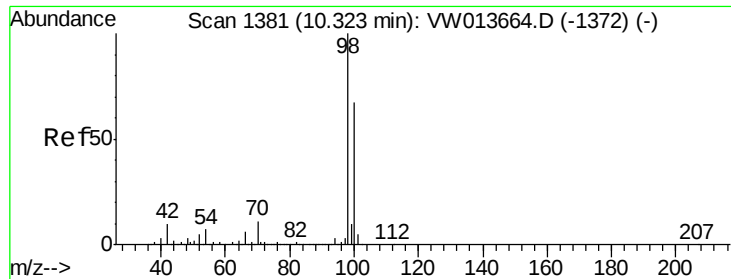
Tot Ion	75	Resp	17350
Ion Ratio	100	Lower	Upper
75	100		
110	8.6	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.921 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013778.D
 Acq: 28 Oct 2019 20:17

Tgt Ion	117	Resp	23698
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	79.0	118.4#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 50.711 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

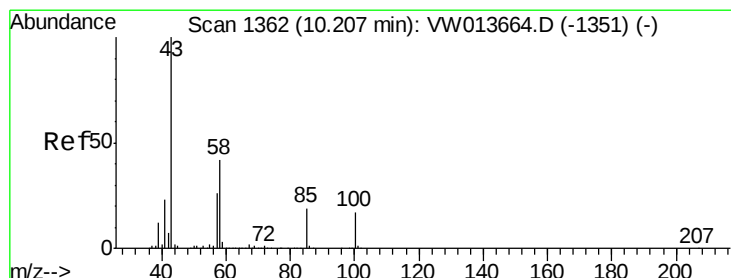
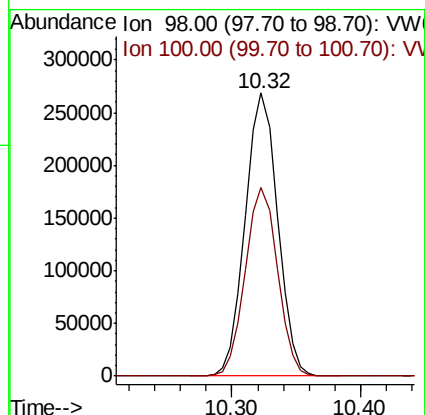
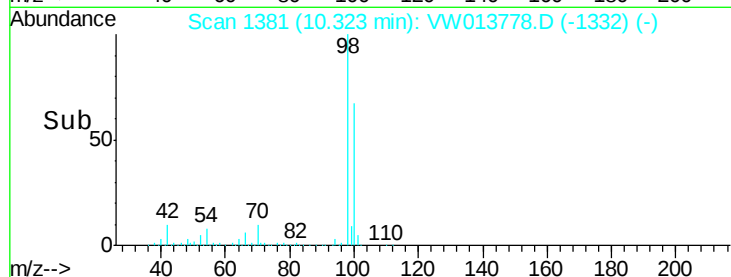
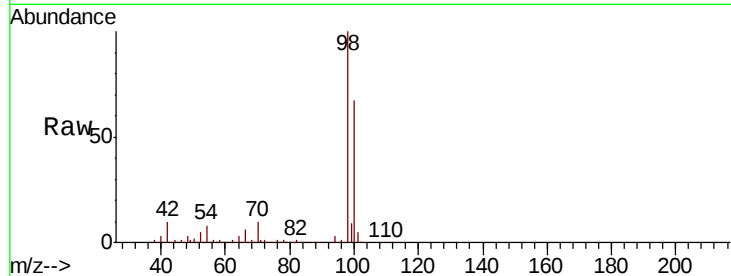
ESW

Tot Ion: 98 Resp: 468788

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.534 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013778.D

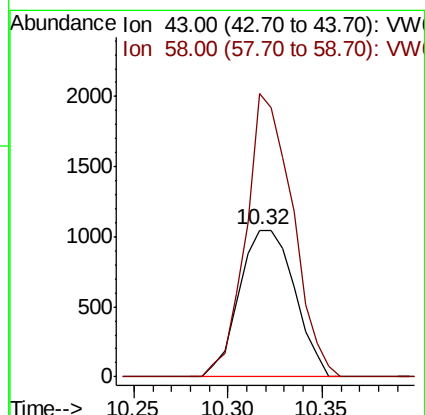
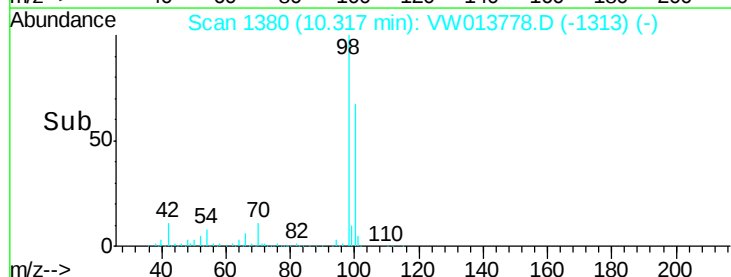
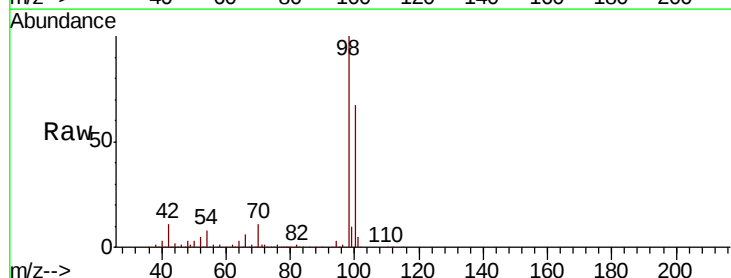
Acq: 28 Oct 2019 20:17

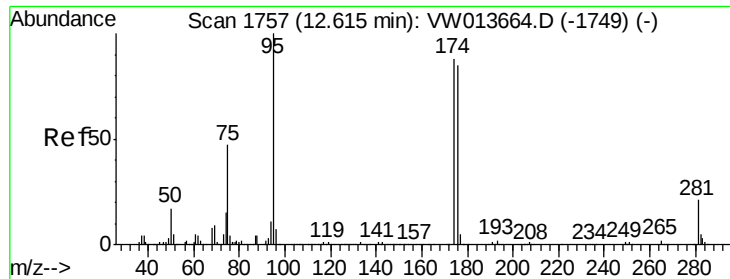
Tgt Ion: 43 Resp: 2124

Ion Ratio Lower Upper

43 100

58 163.2 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 41.800 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampled :

ESW

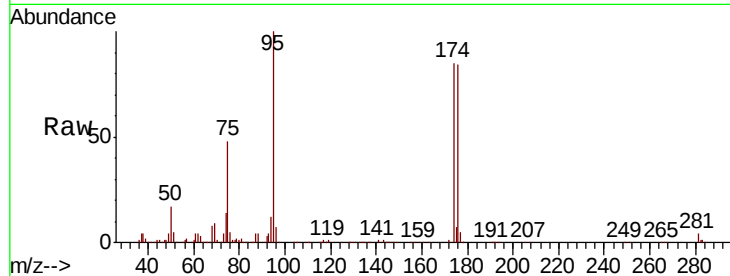
Tot Ion: 95 Resp: 130838

Ion Ratio Lower Upper

95 100

174 93.2 0.0 183.6

176 90.3 0.0 178.0



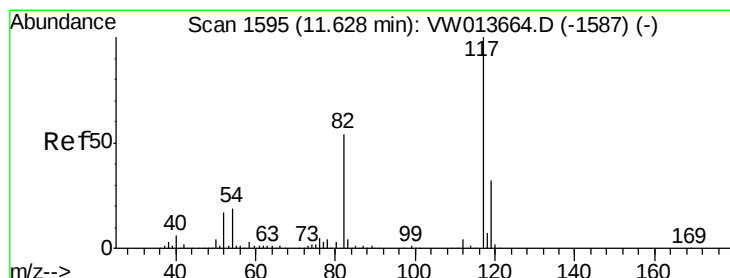
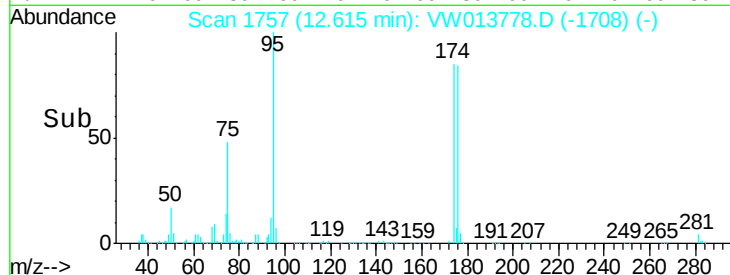
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time--> 12.50 12.60 12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

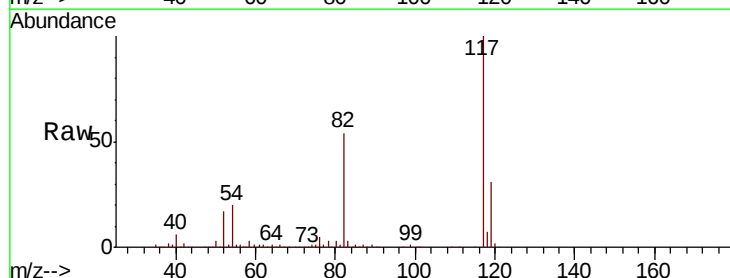
Tgt Ion: 117 Resp: 329485

Ion Ratio Lower Upper

117 100

82 53.9 43.6 65.4

119 31.0 25.4 38.2



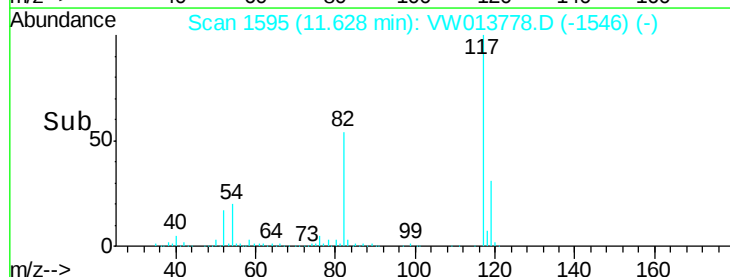
Abundance Ion 116.90 (116.60 to 117.60): VW

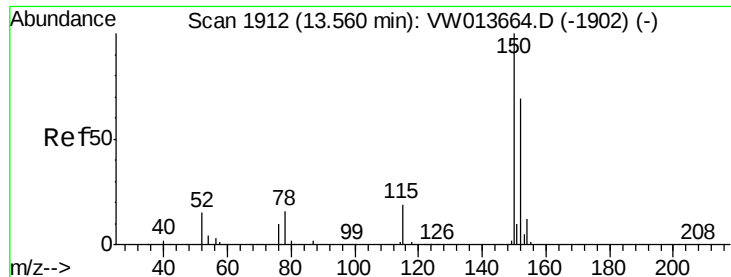
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time--> 11.50 11.60 11.70





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

ESW

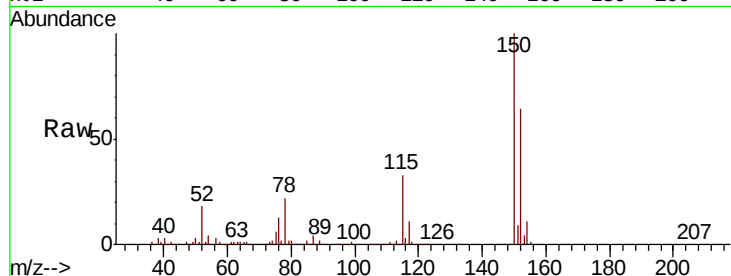
Tot Ion:152 Resp: 125254

Ion Ratio Lower Upper

152 100

115 53.3 27.4 82.2

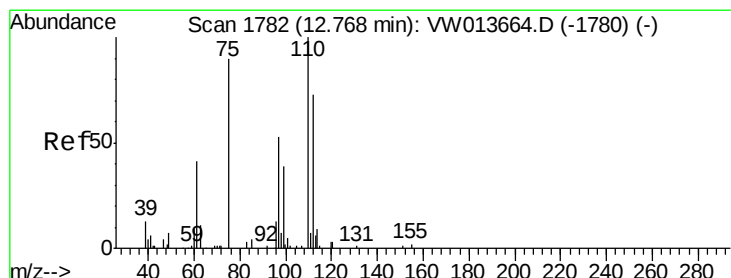
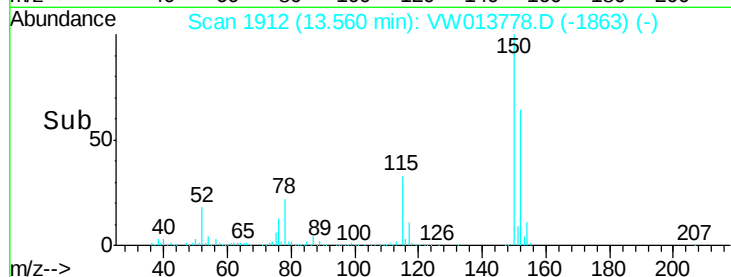
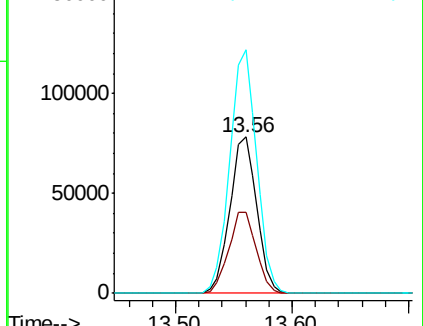
150 156.7 0.0 345.4



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: 69.394 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013778.D

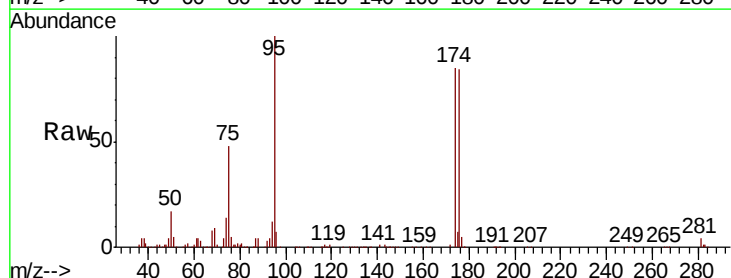
Acq: 28 Oct 2019 20:17

Tgt Ion: 75 Resp: 62420

Ion Ratio Lower Upper

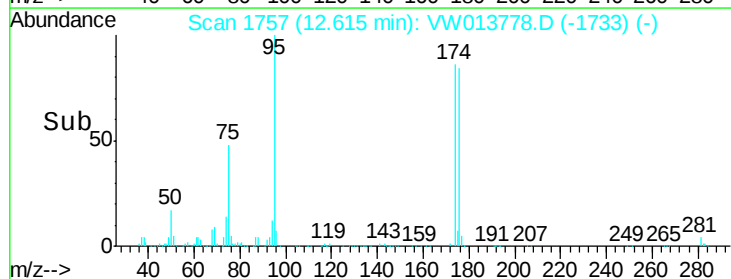
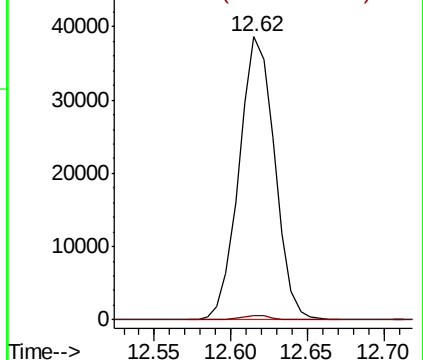
75 100

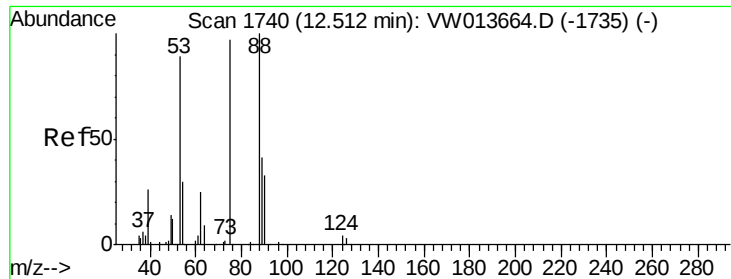
77 1.3 0.0 0.0#



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: 131.145 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013778.D

Acq: 28 Oct 2019 20:17

Instrument :

MSVOA_W

ClientSampleId :

ESW

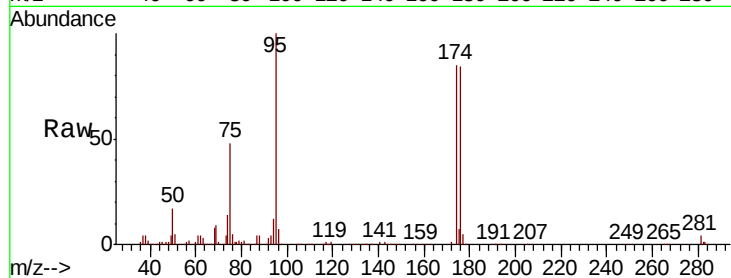
Tot Ion: 75 Resp: 62420

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#



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

