

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013772.D
 Acq On : 28 Oct 2019 17:41
 Operator : SY/VA
 Sample : K5542-10
 Misc : 6.56G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 200-64-(1)

Quant Time: Oct 29 11:47:45 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

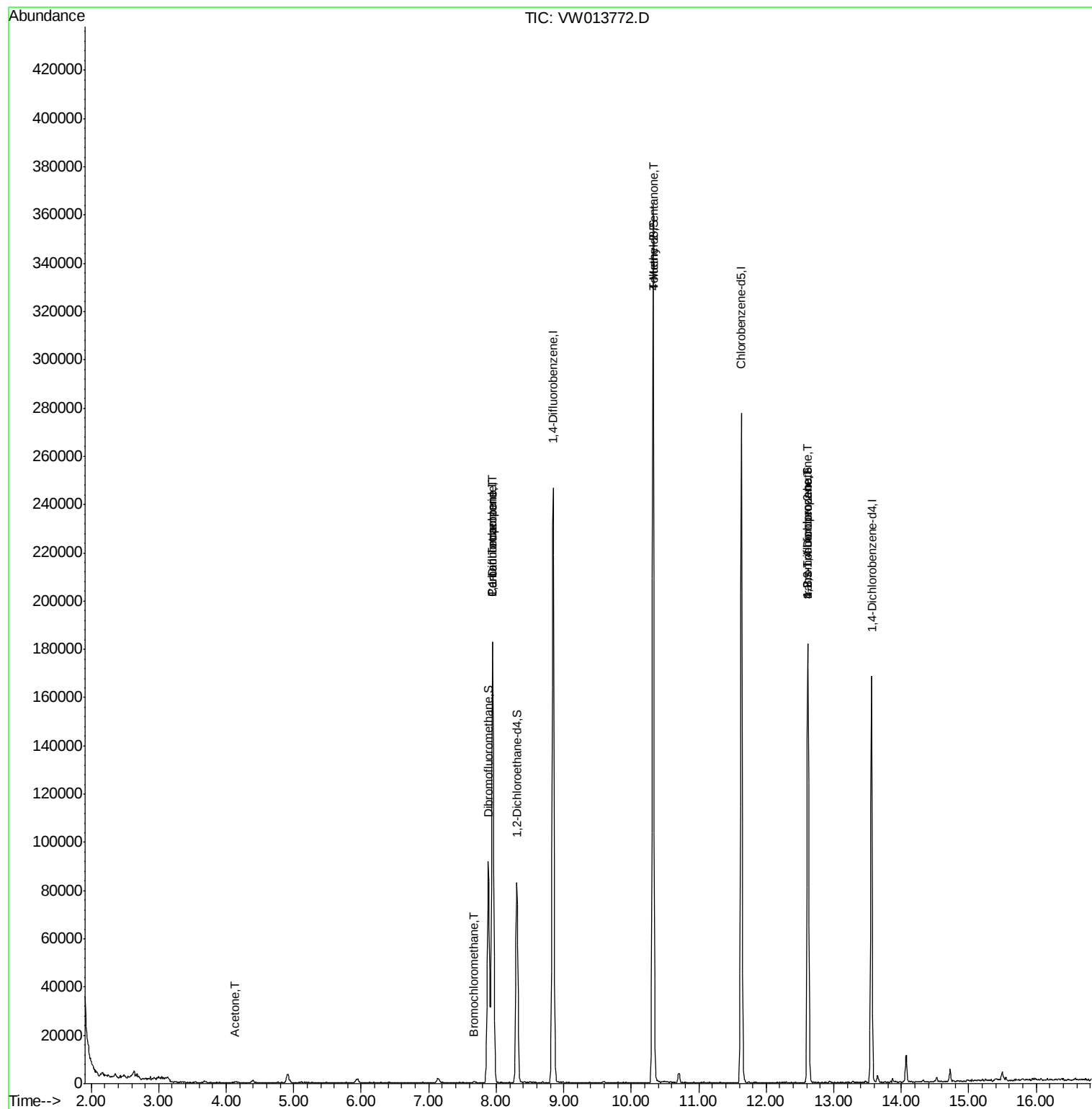
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	153265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	167494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49940	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	64746	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
35) Dibromofluoromethane	7.88	113	67444	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.32	98	248646	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	59313	35.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.12%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	933	3.827	ug/l #	45
20) Methylene Chloride	4.92	84	2833	Below Cal	#	82
28) Bromochloromethane	7.67	49	29	1.373	ug/l #	7
36) 1,1-Dichloropropene	7.94	75	9848	4.792	ug/l #	47
38) Carbon Tetrachloride	7.95	117	13194	7.129	ug/l #	14
51) 4-Methyl-2-Pentanone	10.32	43	948	1.267	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	28324	78.976	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28324	149.254	ug/l #	14

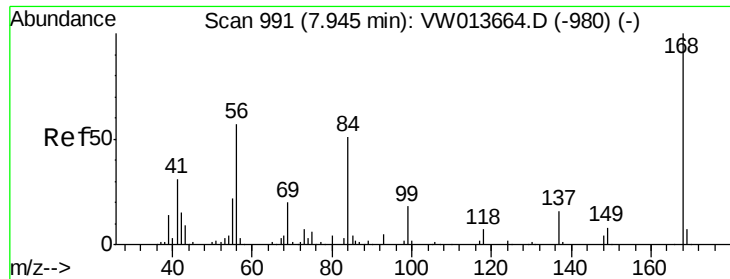
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

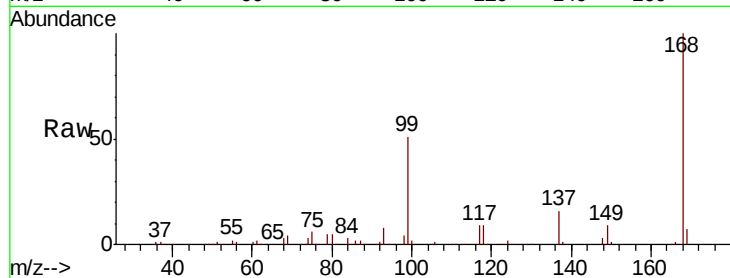
200-64-(1)

Tot Ion:168 Resp: 153265

Ion Ratio Lower Upper

168 100

99 50.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

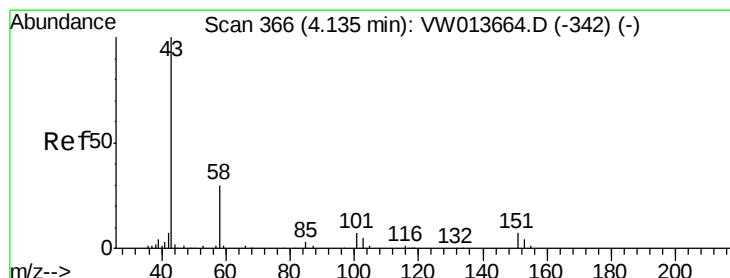
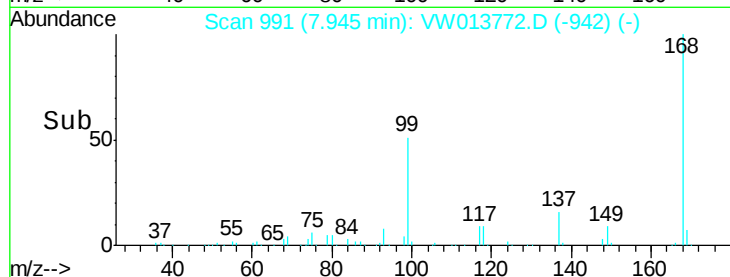
40000

20000

0

7.90 8.00 8.10

Time-->



#16

Acetone

Concen: 3.827 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013772.D

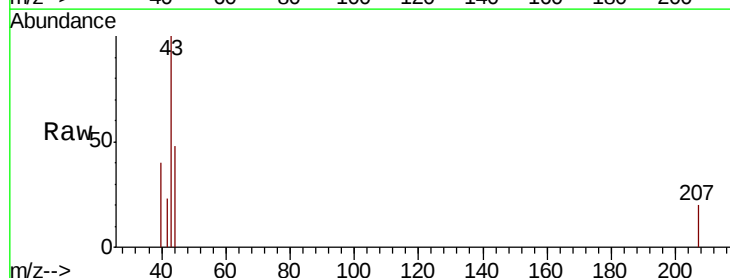
Acq: 28 Oct 2019 17:41

Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

300

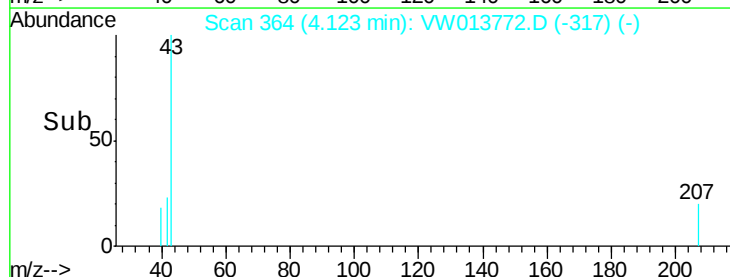
200

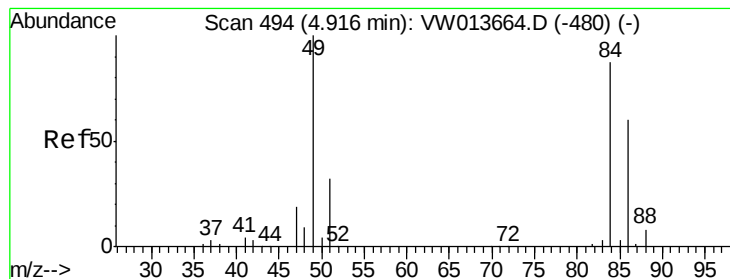
100

0

4.05 4.10 4.15

Time-->





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

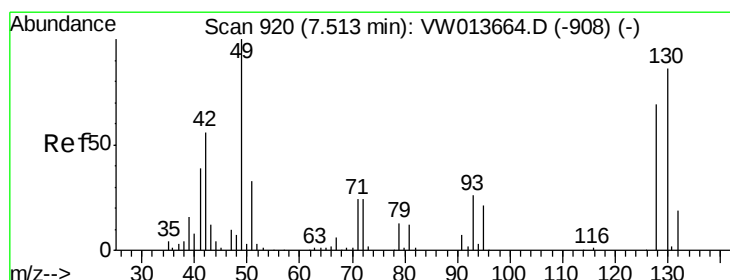
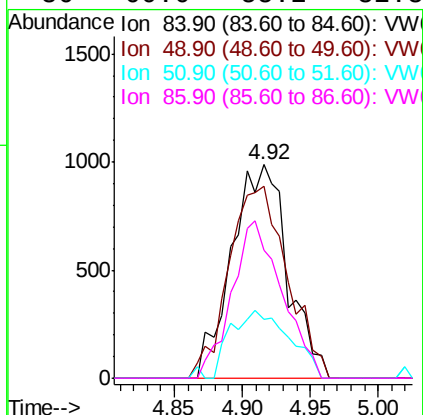
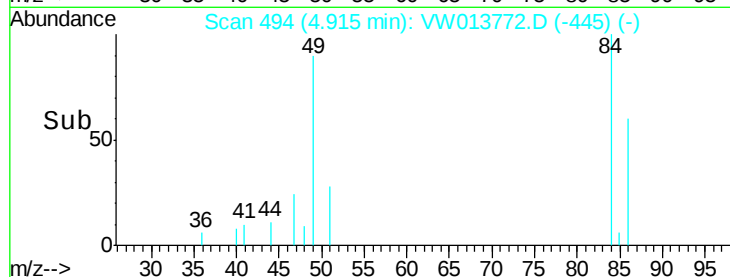
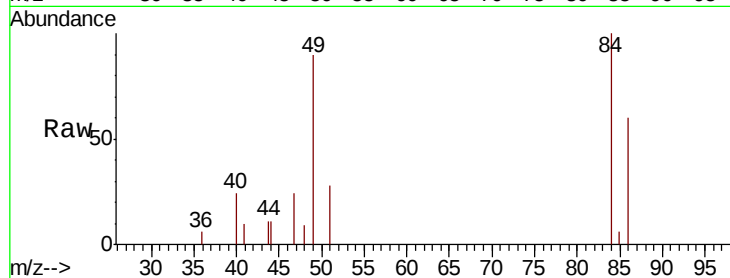
Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :
MSVOA_W
ClientSampleId :
200-64-(1)

Tot Ion: 84 Resp: 2833

Ion	Ratio	Lower	Upper
84	100		
49	90.1	91.8	137.6#
51	27.6	29.8	44.6#
86	60.0	55.2	82.8



#28

Bromochloromethane

Concen: 1.373 ug/l

RT: 7.67 min Scan# 945

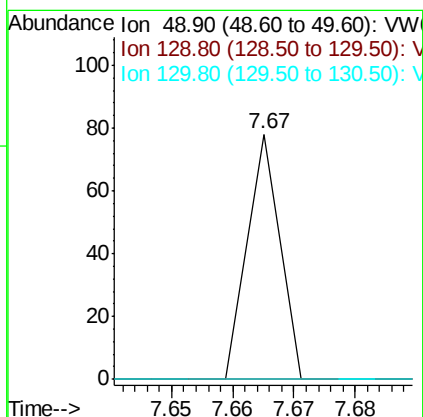
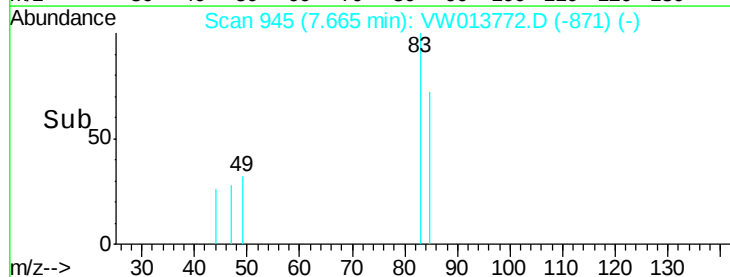
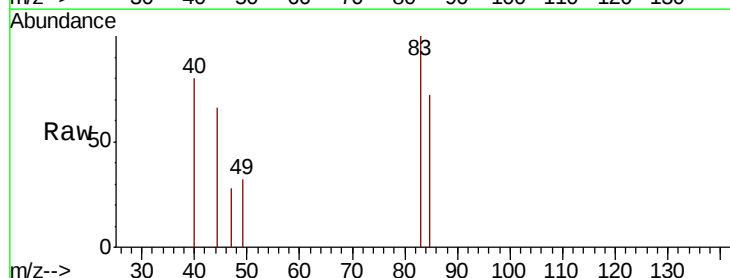
Delta R.T. 0.15 min

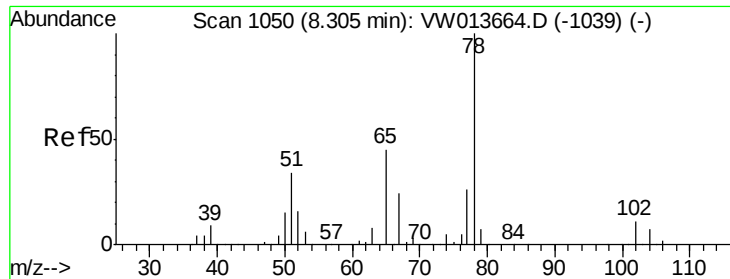
Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Tgt Ion: 49 Resp: 29

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

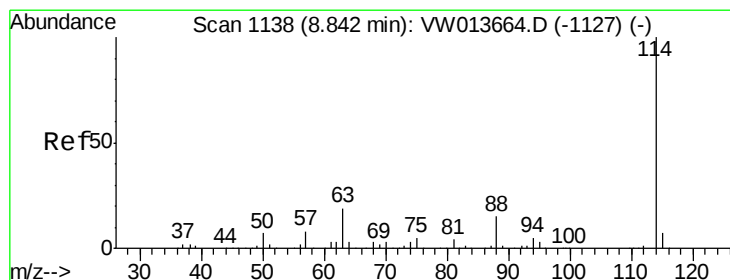
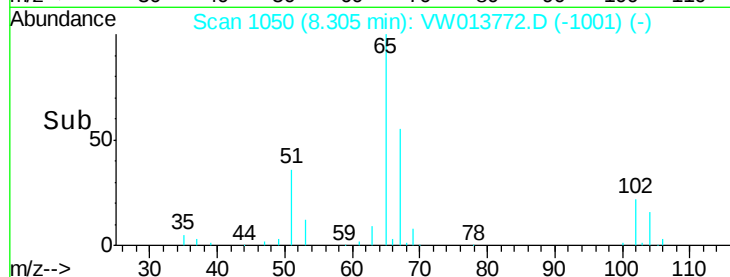
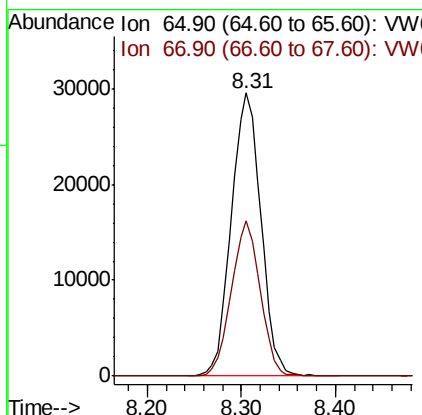
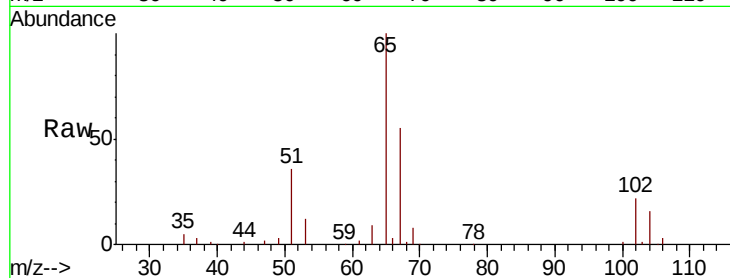




#33
 1,2-Dichloroethane-d4
 Concen: 56.314 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013772.D
 Acq: 28 Oct 2019 17:41

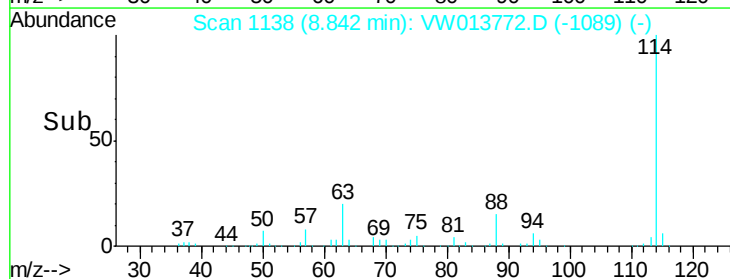
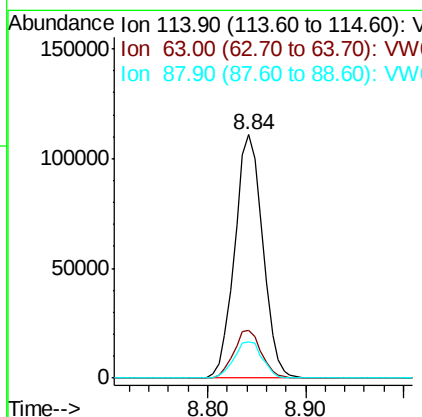
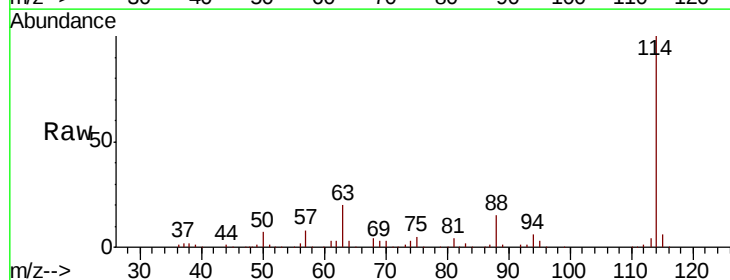
Instrument :
 MSVOA_W
 ClientSampleId :
 200-64-(1)

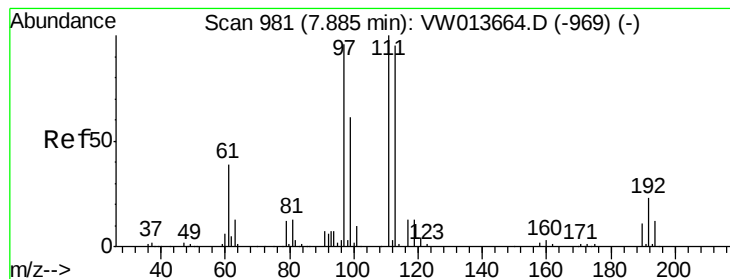
Tot Ion: 65 Resp: 64746
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013772.D
 Acq: 28 Oct 2019 17:41

Tgt Ion: 114 Resp: 220671
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 37.6
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 55.004 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :
MSVOA_W
ClientSampleId :
200-64-(1)

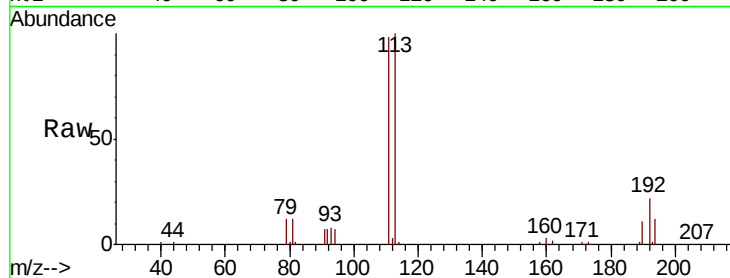
Tot Ion:113 Resp: 67444

Ion Ratio Lower Upper

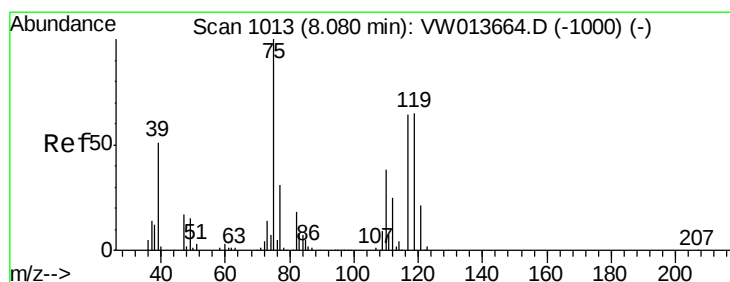
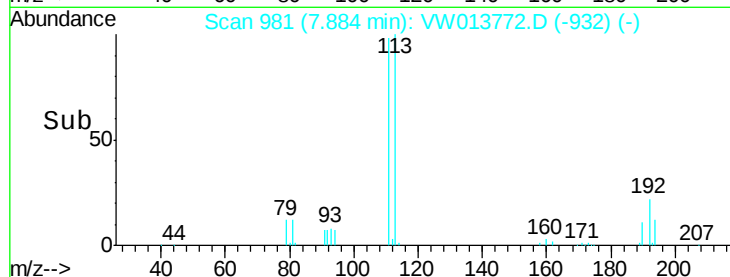
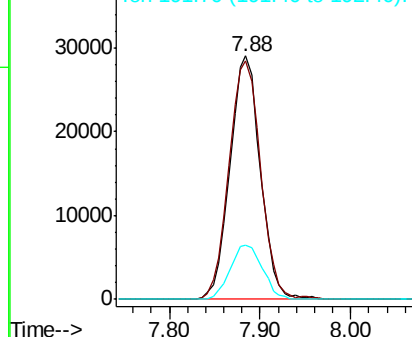
113 100

111 102.7 83.0 124.6

192 23.8 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



#36

1,1-Dichloropropene

Concen: 4.792 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

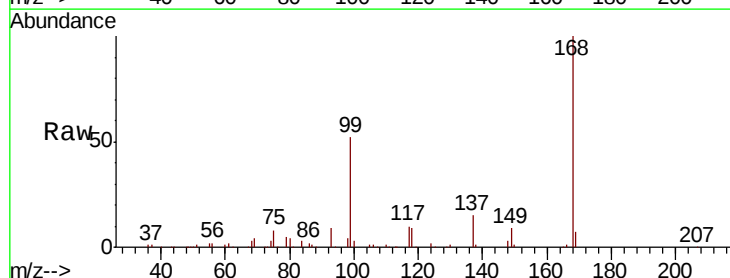
Tgt Ion: 75 Resp: 9848

Ion Ratio Lower Upper

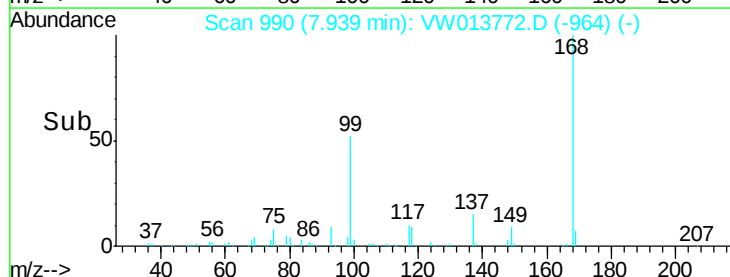
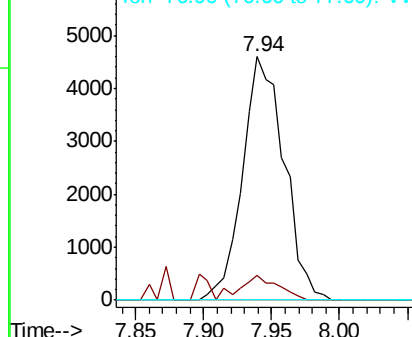
75 100

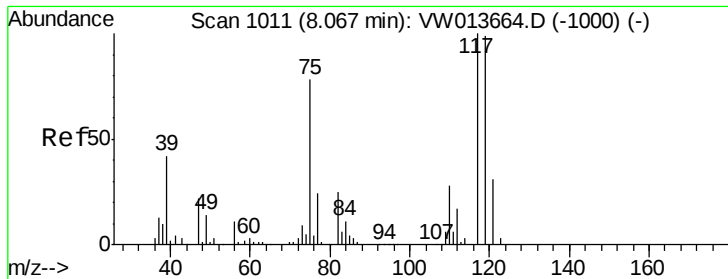
110 8.1 18.7 56.1#

77 0.0 25.4 38.0#



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: 7.129 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

200-64-(1)

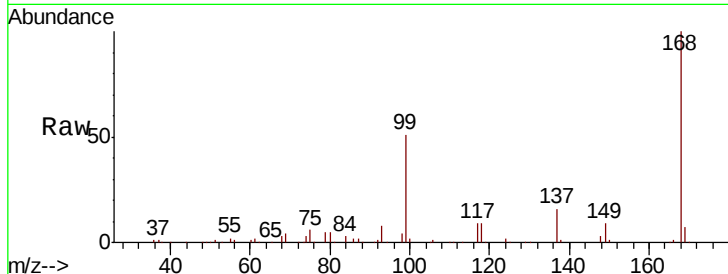
Tot Ion:117 Resp: 13194

Ion Ratio Lower Upper

117 100

119 4.7 79.0 118.4#

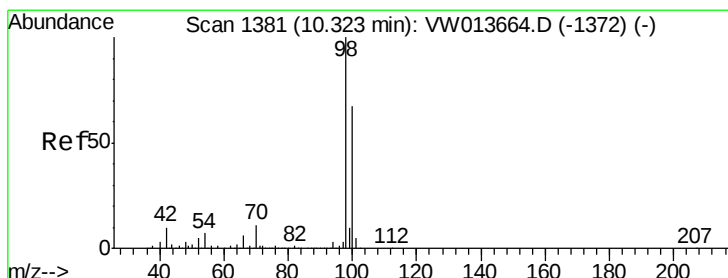
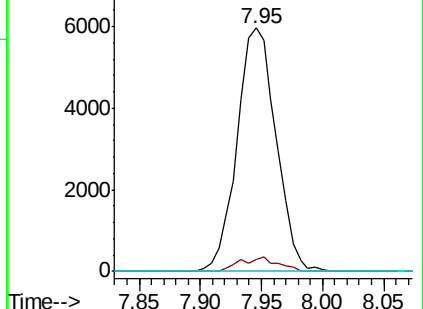
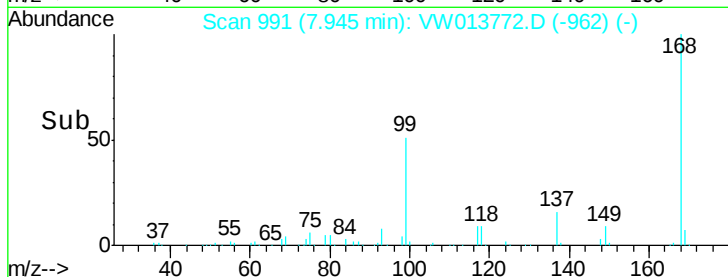
121 0.0 24.5 36.7#



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: 49.766 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013772.D

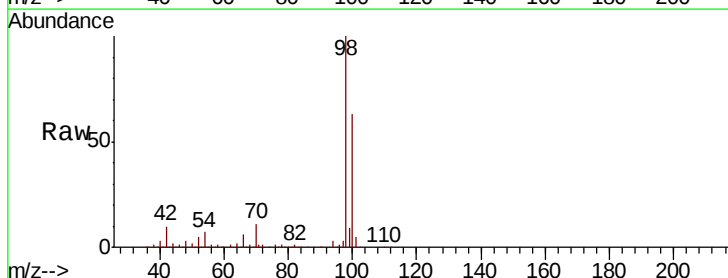
Acq: 28 Oct 2019 17:41

Tgt Ion: 98 Resp: 248646

Ion Ratio Lower Upper

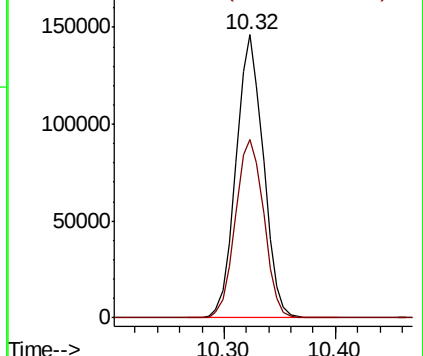
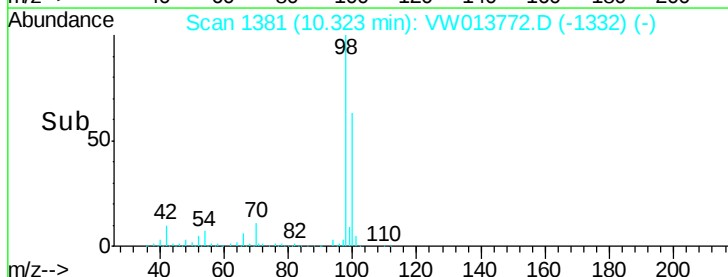
98 100

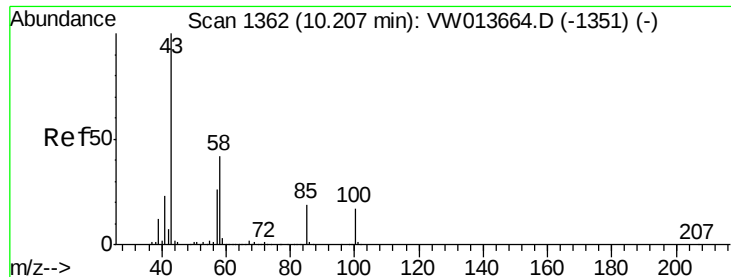
100 65.4 53.4 80.0



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: 1.267 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

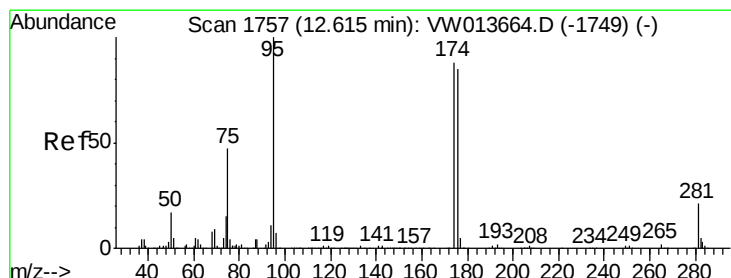
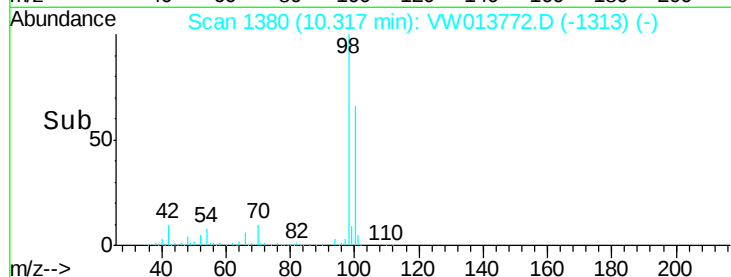
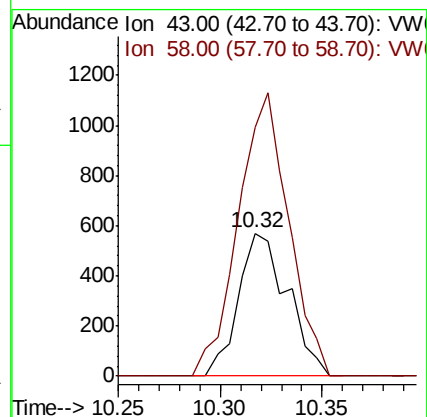
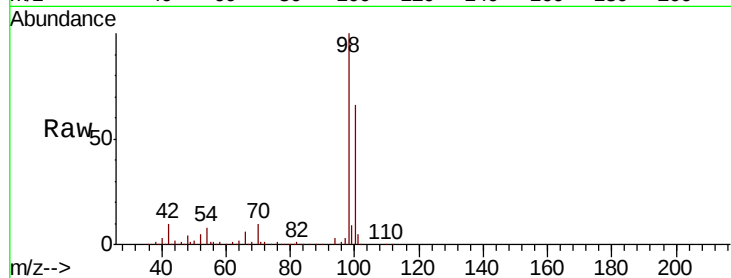
200-64-(1)

Tot Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

58 204.6 32.6 49.0#



#62

4-Bromofluorobenzene

Concen: 35.060 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

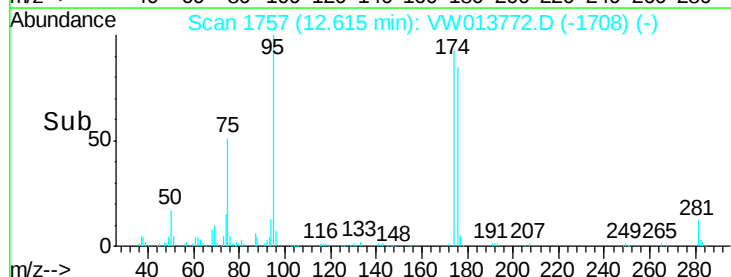
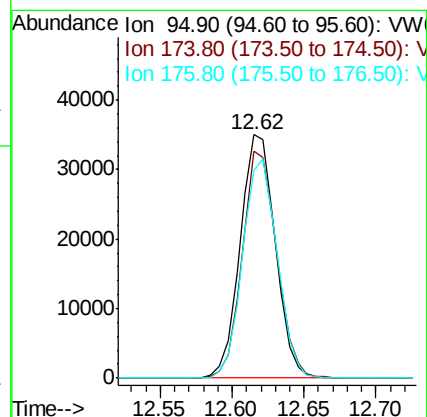
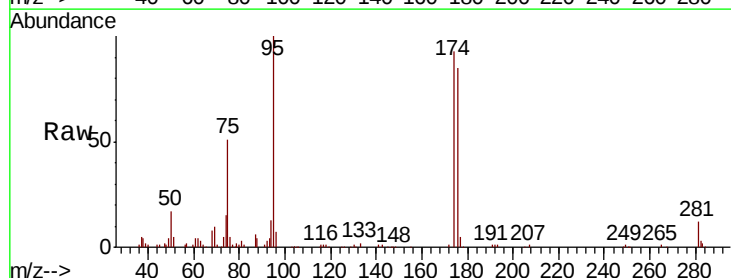
Tgt Ion: 95 Resp: 59313

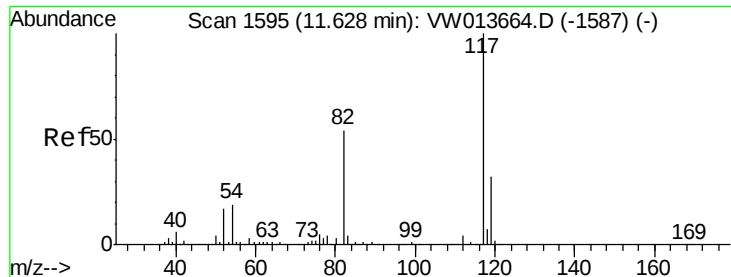
Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.6

176 88.5 0.0 178.0

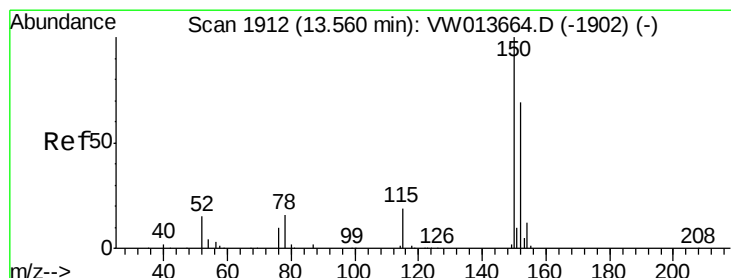
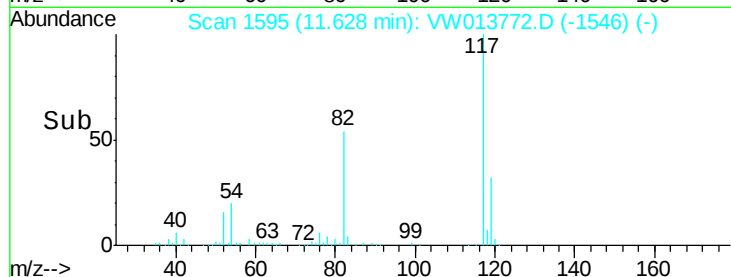
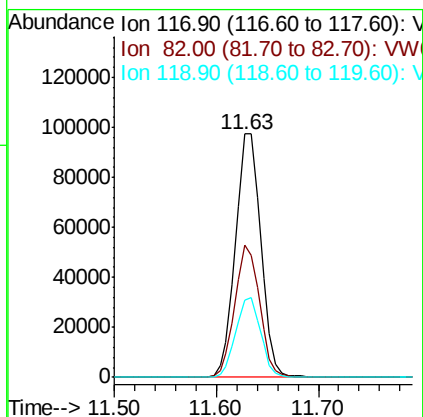
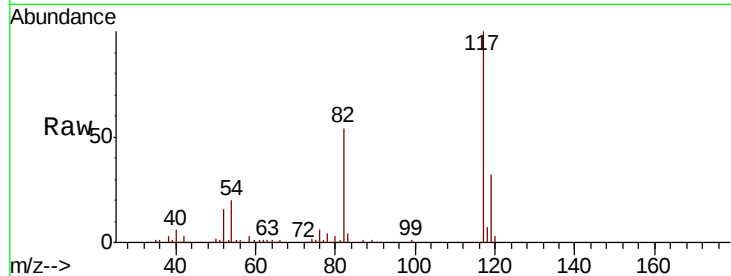




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013772.D
Acq: 28 Oct 2019 17:41

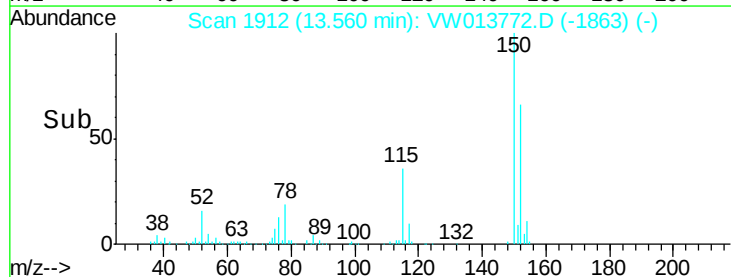
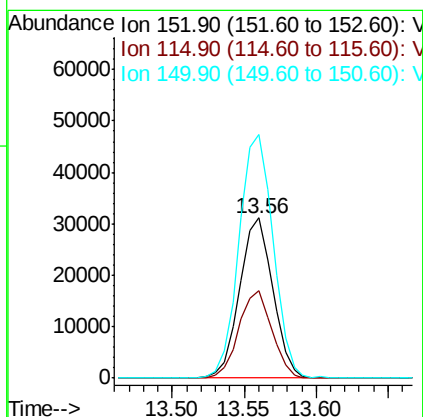
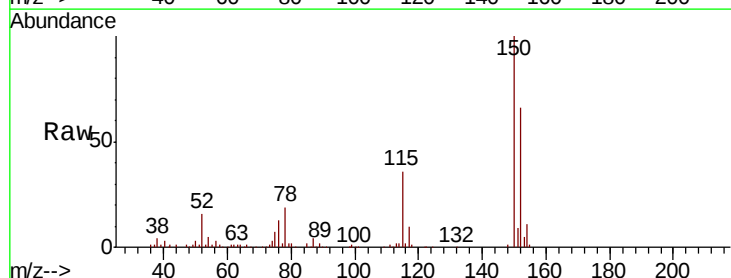
Instrument :
MSVOA_W
ClientSampleId :
200-64-(1)

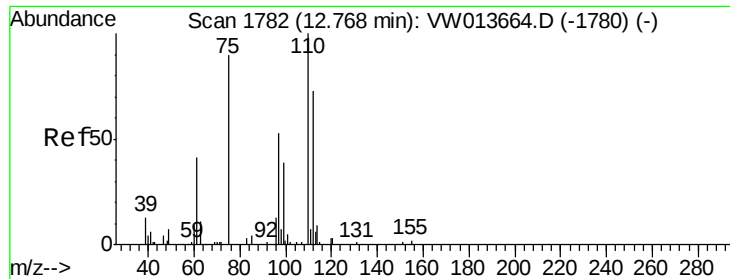
Tot Ion:117 Resp: 167494
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013772.D
Acq: 28 Oct 2019 17:41

Tgt Ion:152 Resp: 49940
Ion Ratio Lower Upper
152 100
115 54.2 27.4 82.2
150 156.4 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 78.976 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Instrument :

MSVOA_W

ClientSampleId :

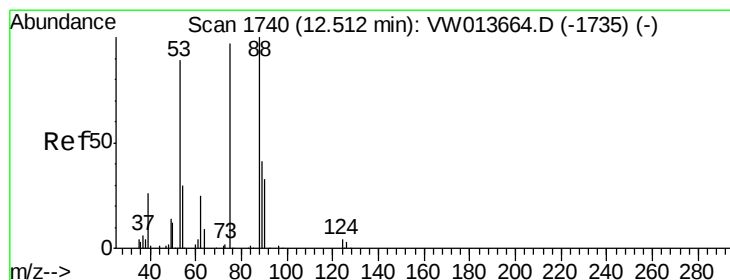
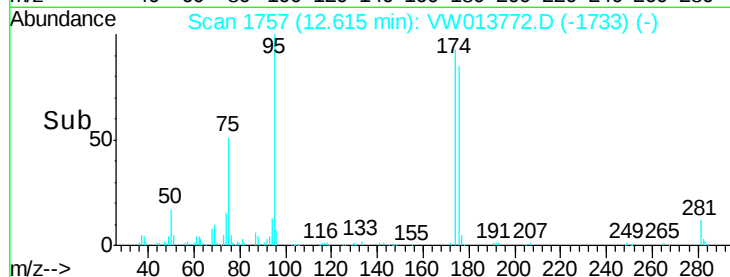
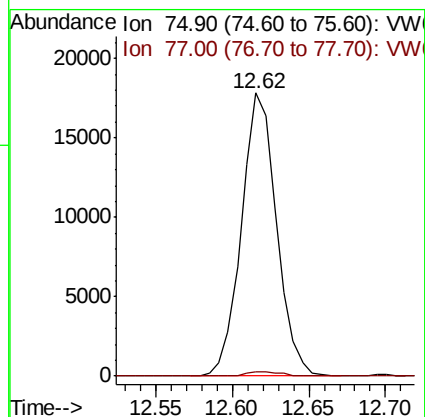
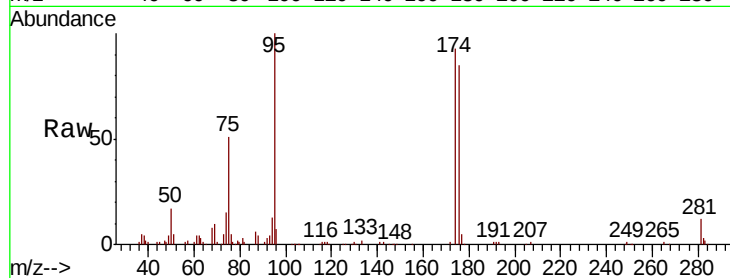
200-64-(1)

Tot Ion: 75 Resp: 28324

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.254 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013772.D

Acq: 28 Oct 2019 17:41

Tgt Ion: 75 Resp: 28324

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

89 0.0 35.8 53.8#

