

Data File : VW013985.D
Acq On : 12 Nov 2019 19:32
Operator : SY/VA
Sample : K5788-03
Misc : 6.78G/5.0ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-3

Quant Time: Nov 13 06:45:18 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

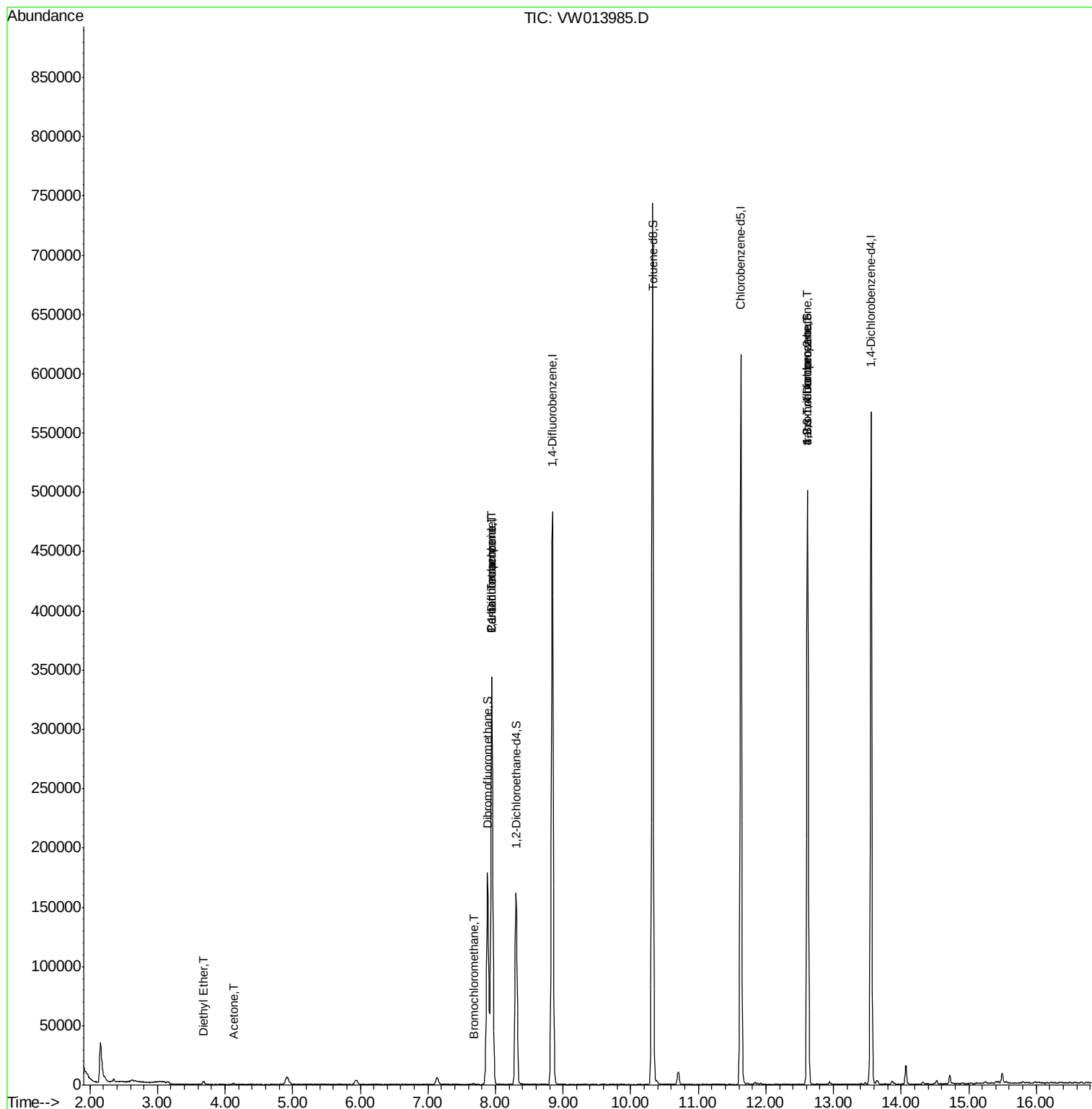
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	166206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	124980	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	
35) Dibromofluoromethane	7.88	113	128400	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.32	98	508881	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	161586	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
Target Compounds						
8) Diethyl Ether	3.68	74	1495	1.210	ug/l	99
16) Acetone	4.14	43	2186	4.798	ug/l	99
20) Methylene Chloride	4.91	84	5881	Below Cal	#	77
28) Bromochloromethane	7.69	49	47	1.368	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17627	4.319	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23384	6.362	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	74070	62.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74070	117.278	ug/l #	14

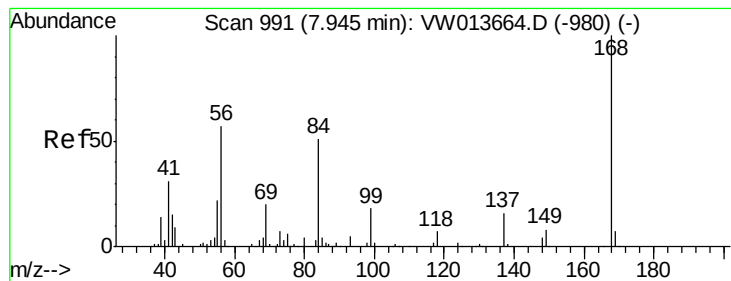
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013985.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

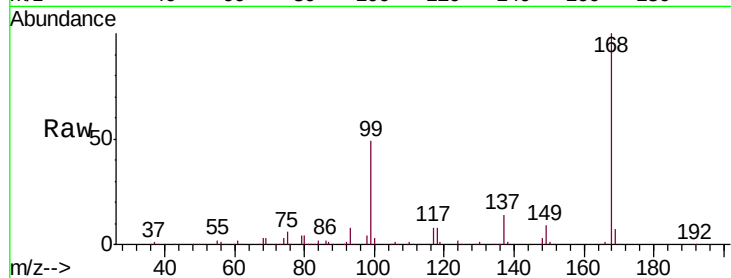
B-3

Tgt Ion: 168 Resp: 286440

Ion Ratio Lower Upper

168 100

99 48.9 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

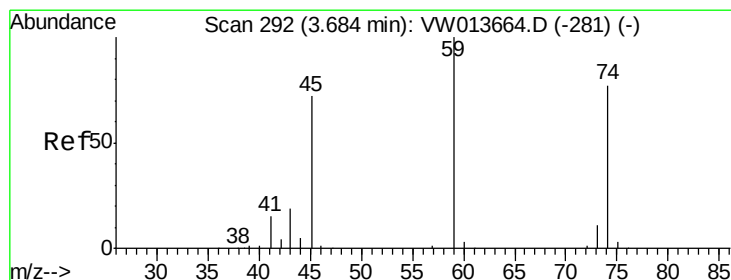
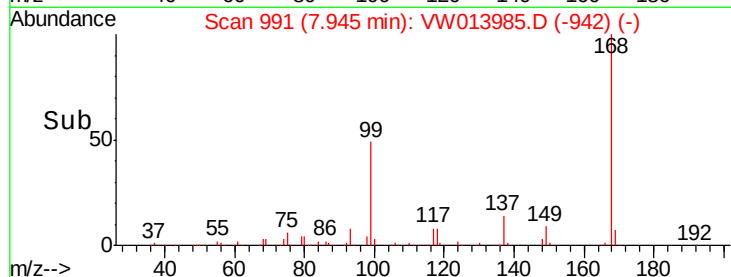
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.210 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW013985.D

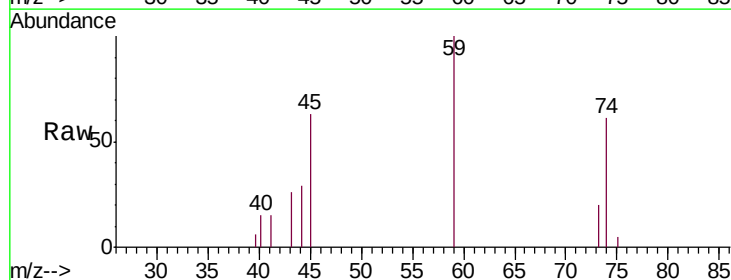
Acq: 12 Nov 2019 19:32

Tgt Ion: 74 Resp: 1495

Ion Ratio Lower Upper

74 100

45 94.6 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

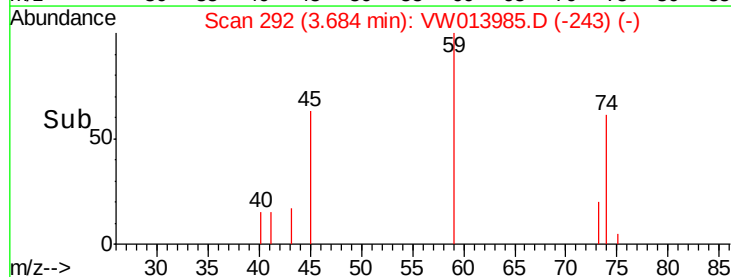
600

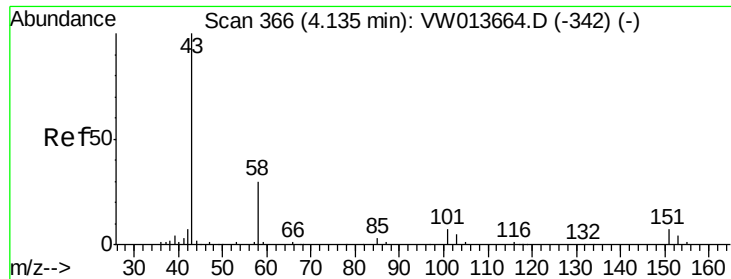
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 4.798 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

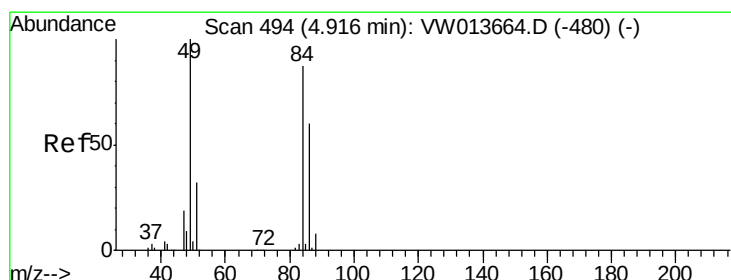
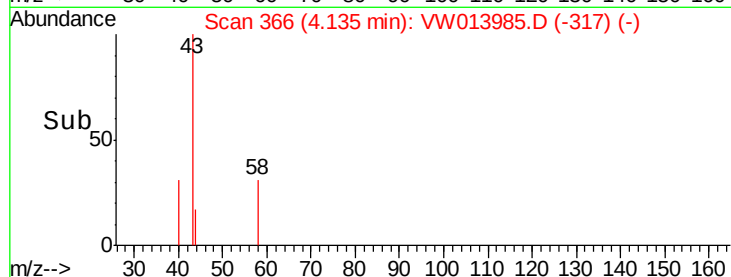
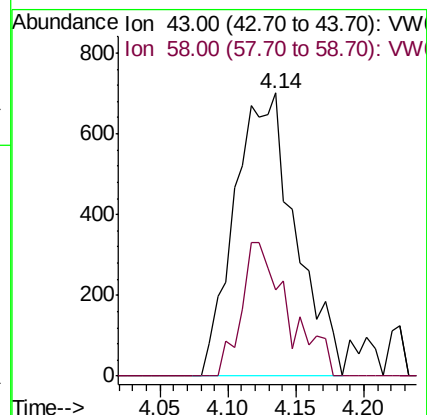
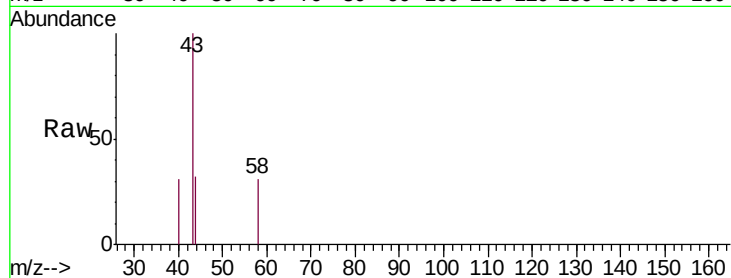
B-3

Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

Tgt Ion: 84 Resp: 5881

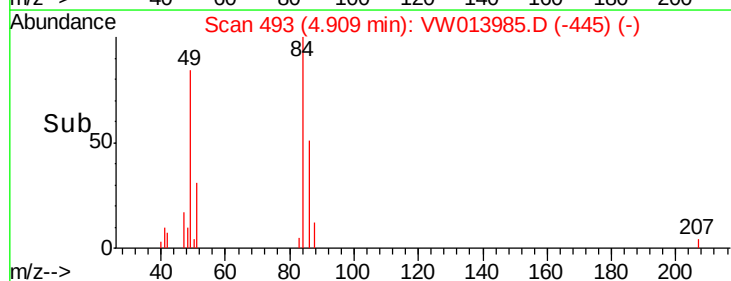
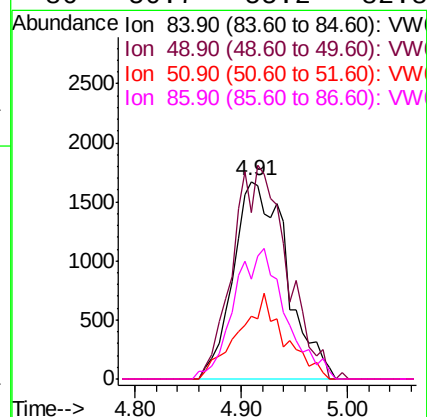
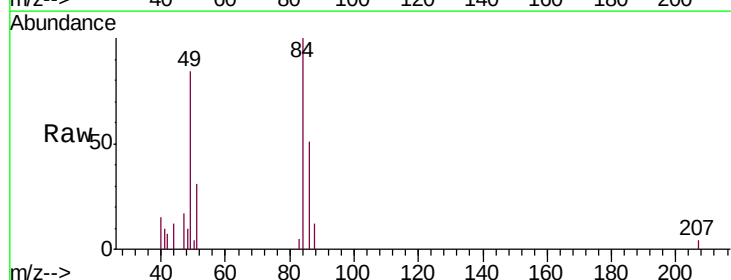
Ion Ratio Lower Upper

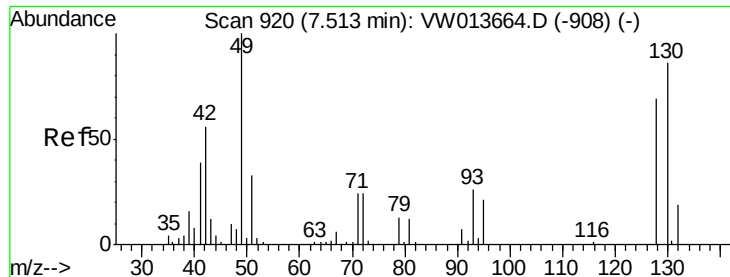
84 100

49 83.9 91.8 137.6#

51 31.5 29.8 44.6

86 50.7 55.2 82.8#





#28

Bromochloromethane

Concen: 1.368 ug/l

RT: 7.69 min Scan# 949

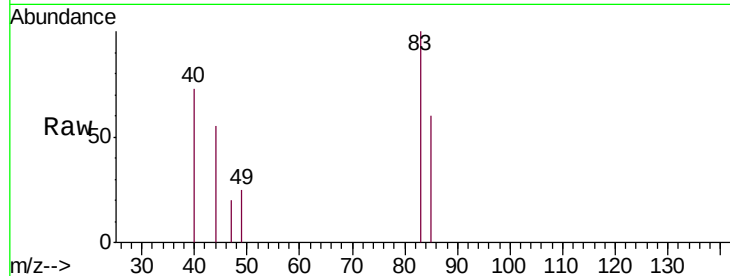
Delta R.T. 0.18 min

Lab File: VW013985.D

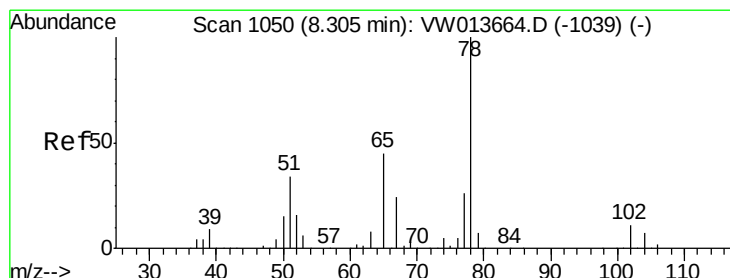
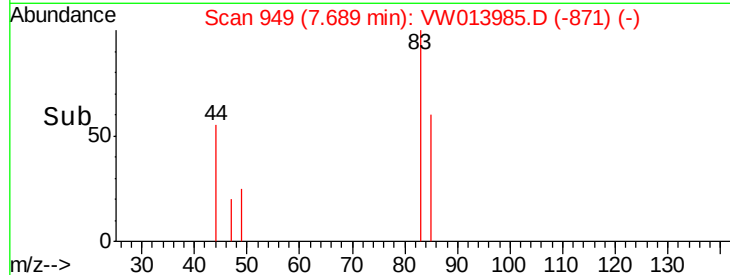
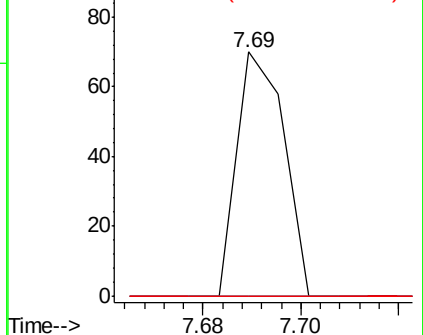
Acq: 12 Nov 2019 19:32

Instrument :
MSVOA_W
ClientSampleId :
B-3

Tgt Ion: 49 Resp: 47
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: 58.164 ug/l

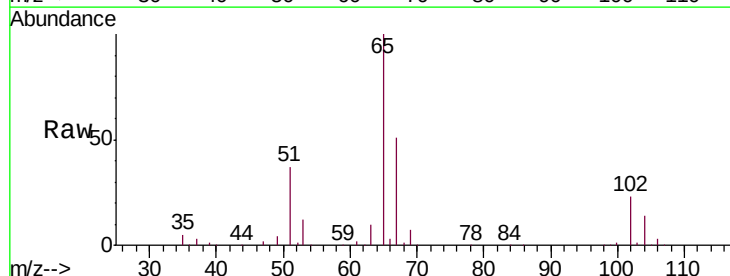
RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

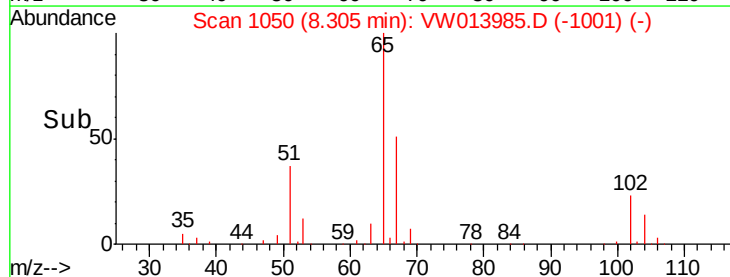
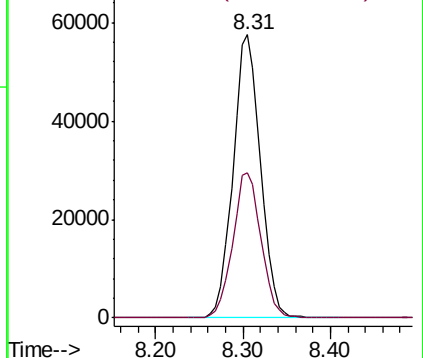
Lab File: VW013985.D

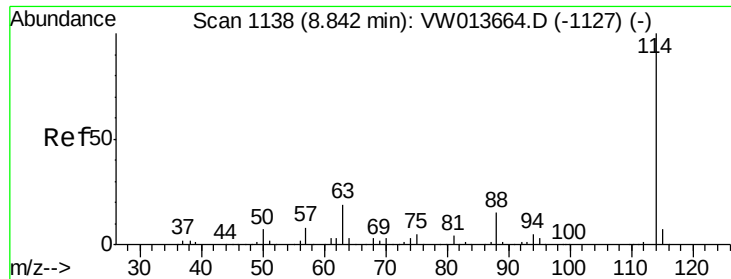
Acq: 12 Nov 2019 19:32

Tgt Ion: 65 Resp: 124980
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

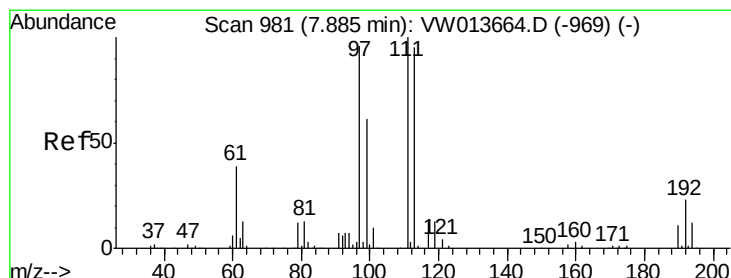
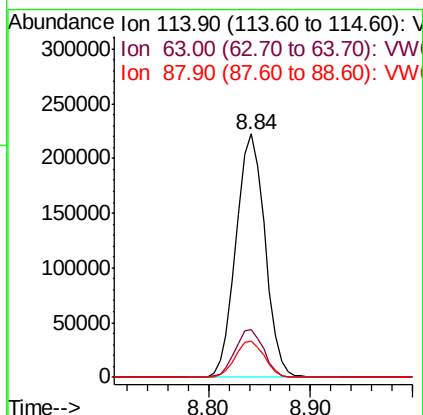
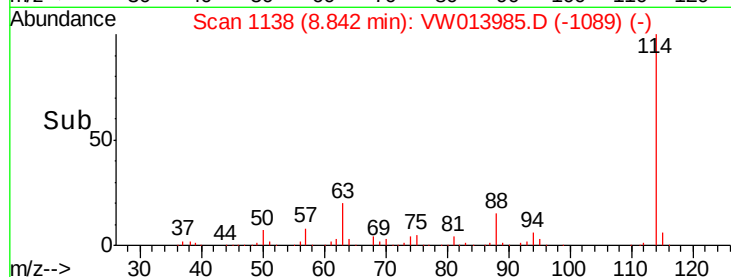
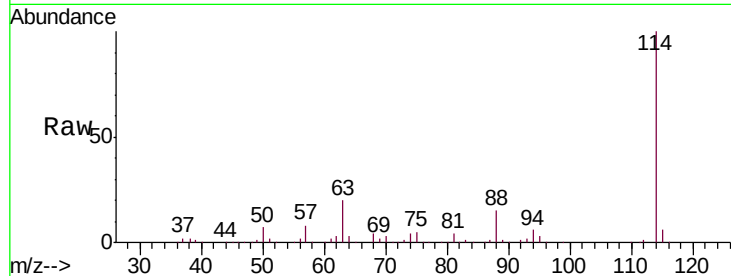




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013985.D
Acq: 12 Nov 2019 19:32

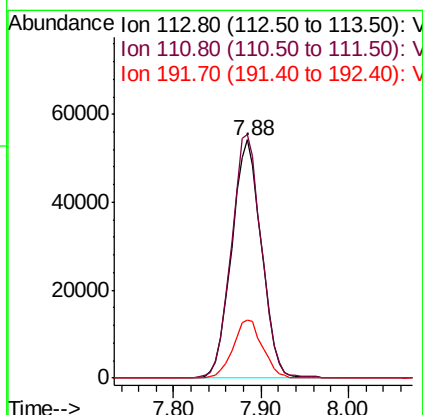
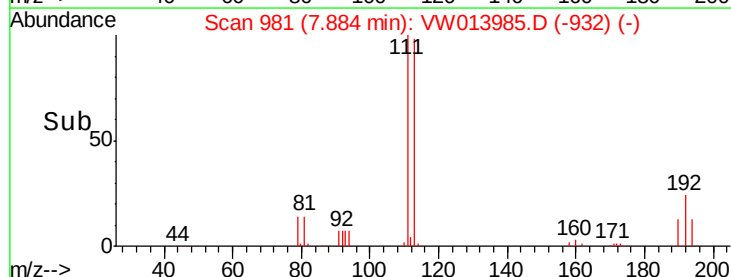
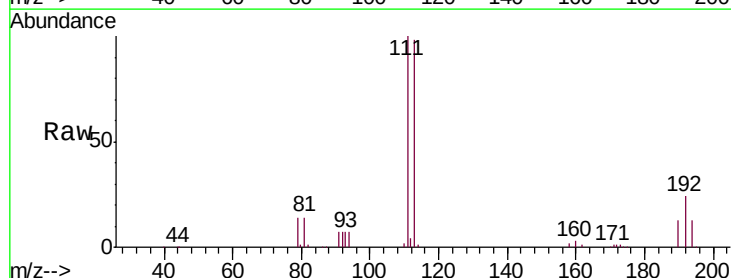
Instrument :
MSVOA_W
ClientSampleId :
B-3

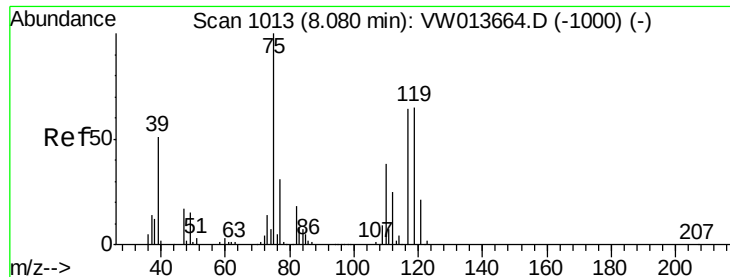
Tgt Ion:114 Resp: 438248
Ion Ratio Lower Upper
114 100
63 19.7 0.0 37.6
88 15.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.728 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013985.D
Acq: 12 Nov 2019 19:32

Tgt Ion:113 Resp: 128400
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 24.2 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

B-3

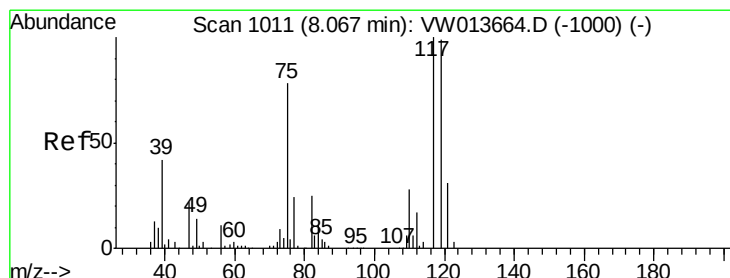
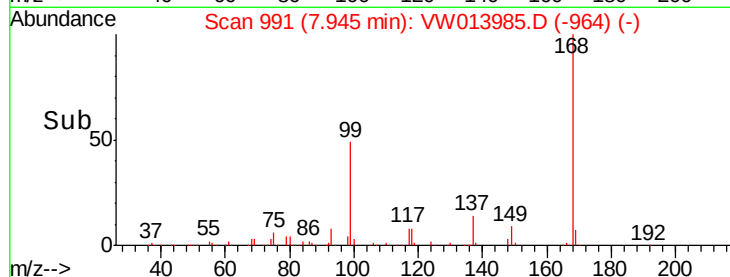
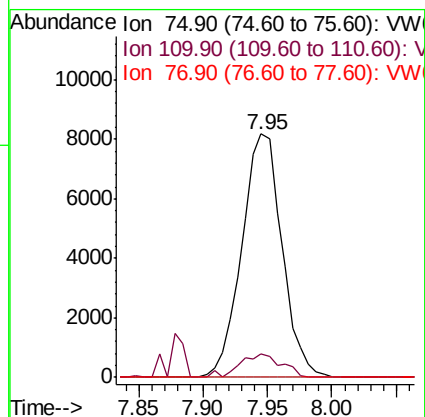
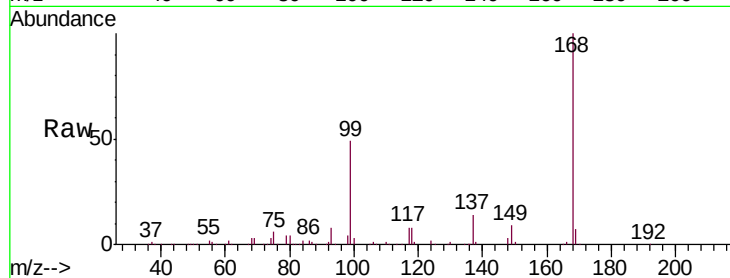
Tgt Ion: 75 Resp: 17627

Ion Ratio Lower Upper

75 100

110 10.0 18.7 56.1#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.362 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

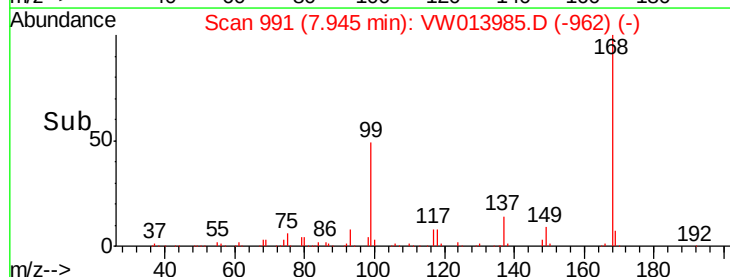
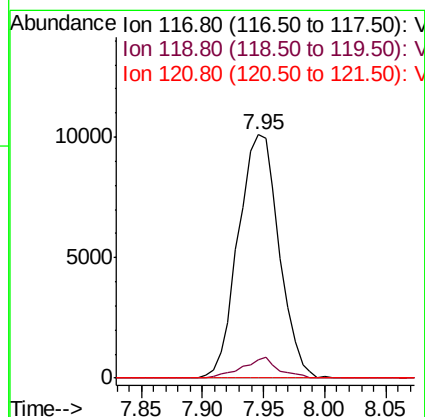
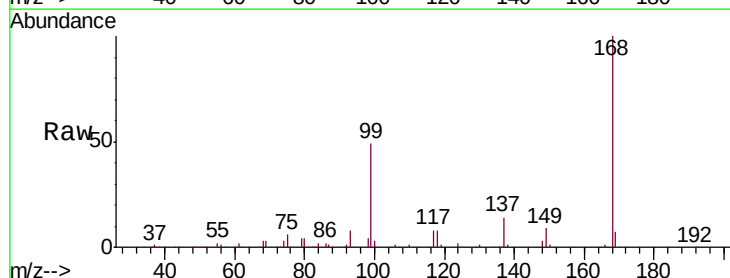
Tgt Ion: 117 Resp: 23384

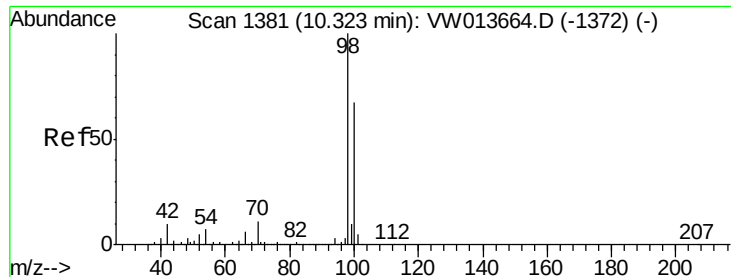
Ion Ratio Lower Upper

117 100

119 7.3 79.0 118.4#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.285 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_W

ClientSampleId :

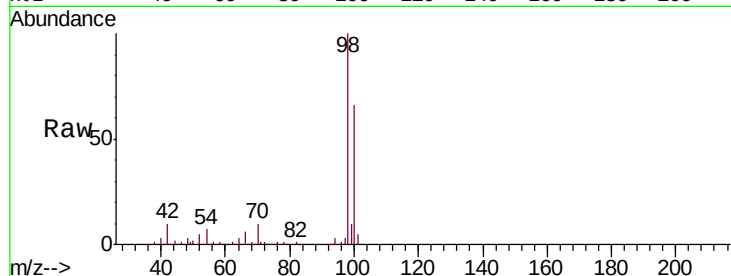
B-3

Tgt Ion: 98 Resp: 508881

Ion Ratio Lower Upper

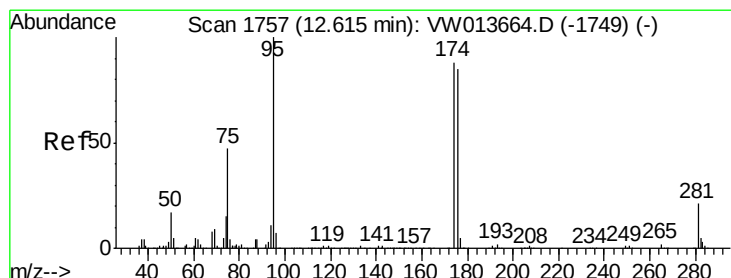
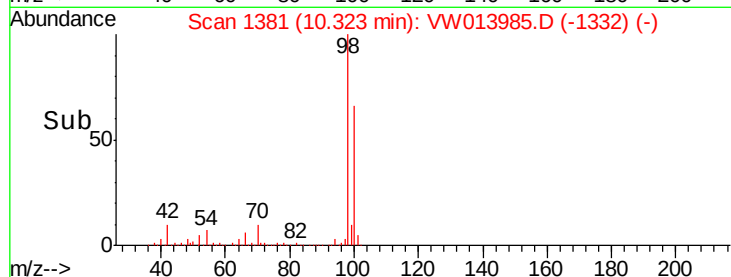
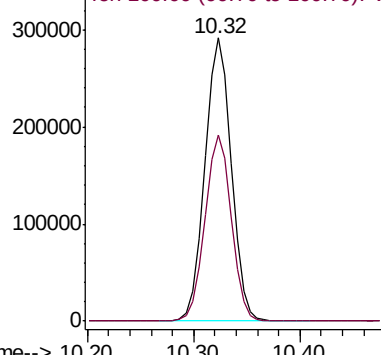
98 100

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



#62

4-Bromofluorobenzene

Concen: 48.094 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

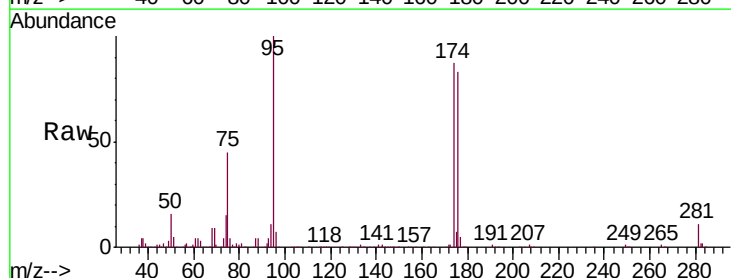
Tgt Ion: 95 Resp: 161586

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.6

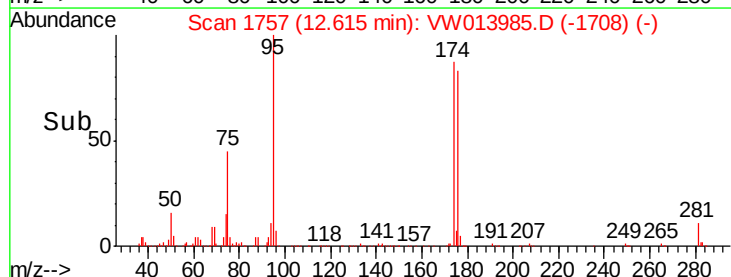
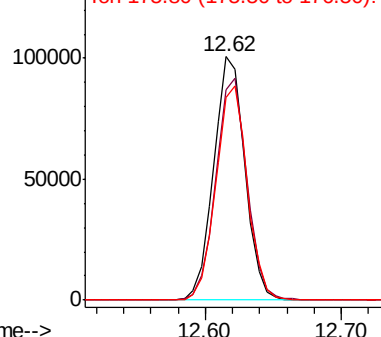
176 88.6 0.0 178.0

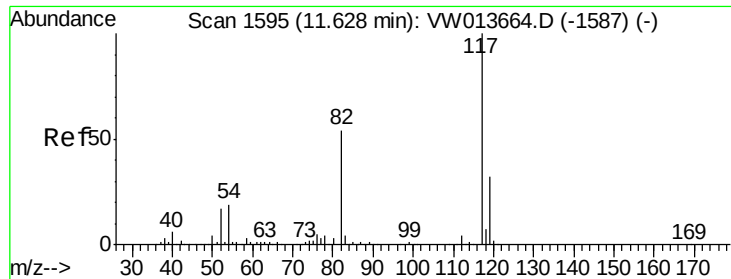


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

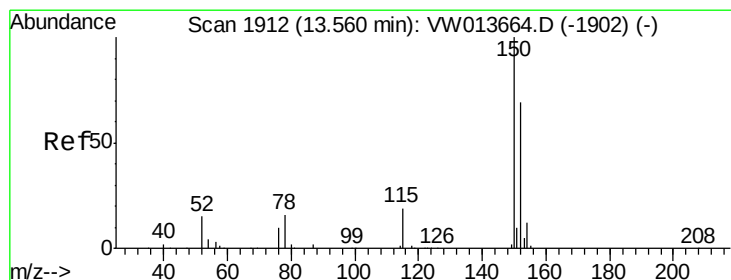
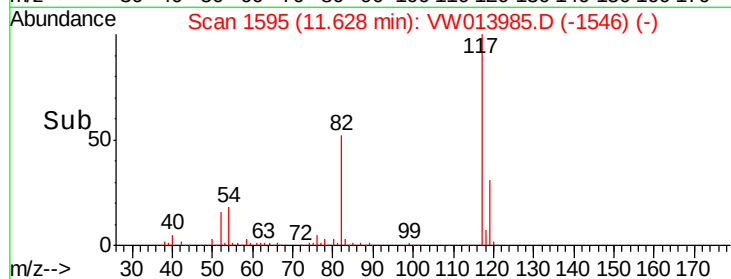
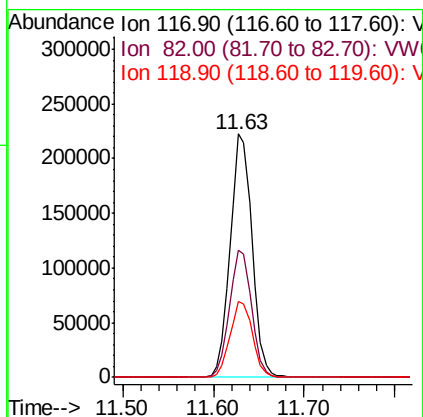
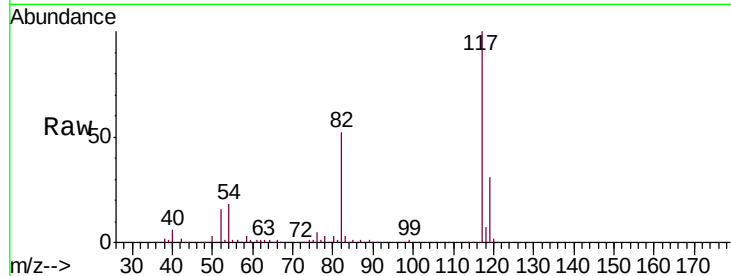




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013985.D
Acq: 12 Nov 2019 19:32

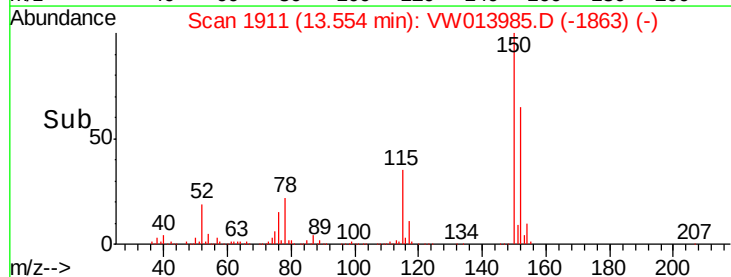
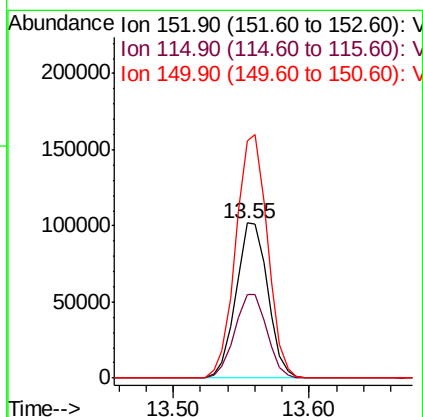
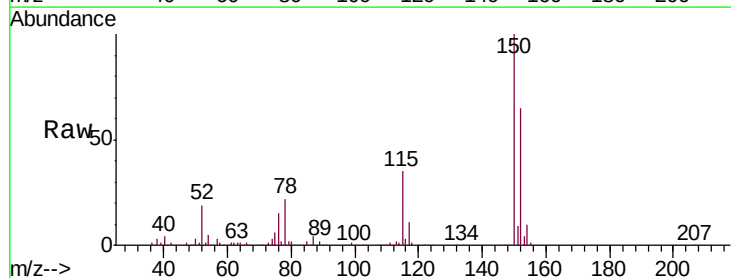
Instrument :
MSVOA_W
ClientSampleId :
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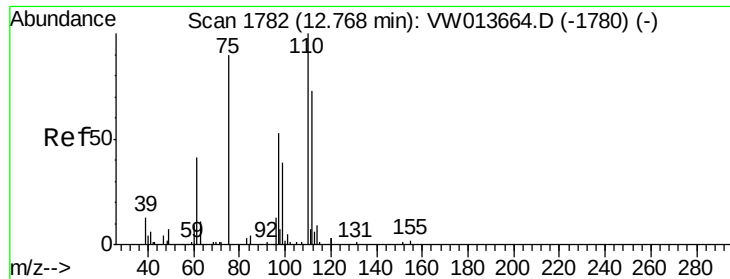
Tgt Ion:117 Resp: 372096
Ion Ratio Lower Upper
117 100
82 52.1 43.6 65.4
119 31.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013985.D
Acq: 12 Nov 2019 19:32

Tgt Ion:152 Resp: 166206
Ion Ratio Lower Upper
152 100
115 55.0 27.4 82.2
150 157.0 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 62.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

Instrument :

MSVOA_W

ClientSampled :

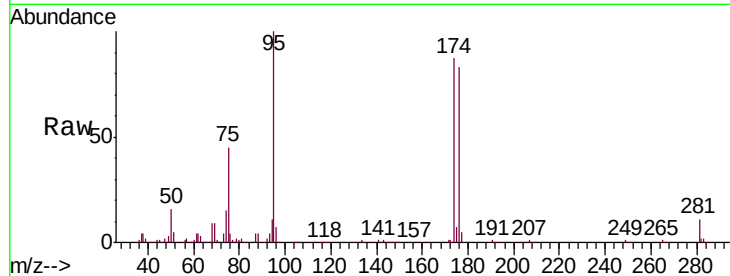
B-3

Tgt Ion: 75 Resp: 74070

Ion Ratio Lower Upper

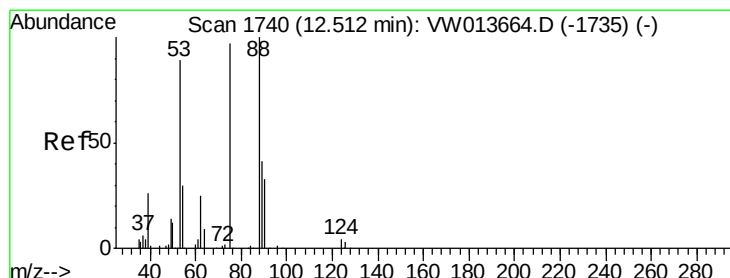
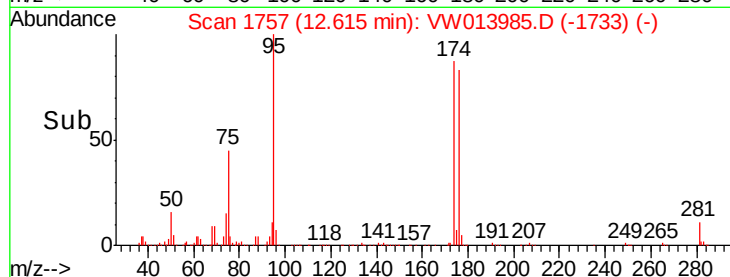
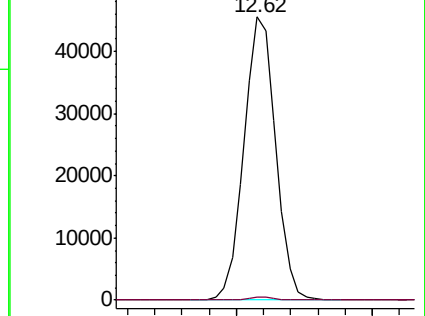
75 100

77 1.1 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: 117.278 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013985.D

Acq: 12 Nov 2019 19:32

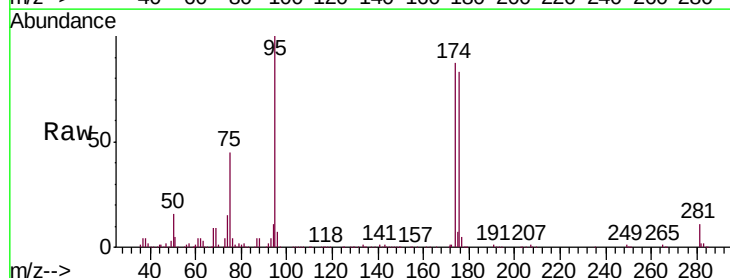
Tgt Ion: 75 Resp: 74070

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

