

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012220\
 Data File : VW014714.D
 Acq On : 22 Jan 2020 15:34
 Operator : SY/VA
 Sample : L1004-10
 Misc : 4.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BU-02-101720

Quant Time: Jan 22 16:04:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	614717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	985887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	853630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	395271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	342291	63.69	ug/l	0.00
Spiked Amount			Recovery	=	127.38%	
35) Dibromofluoromethane	7.88	113	315043	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.32	98	1230869	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.62	95	405934	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	

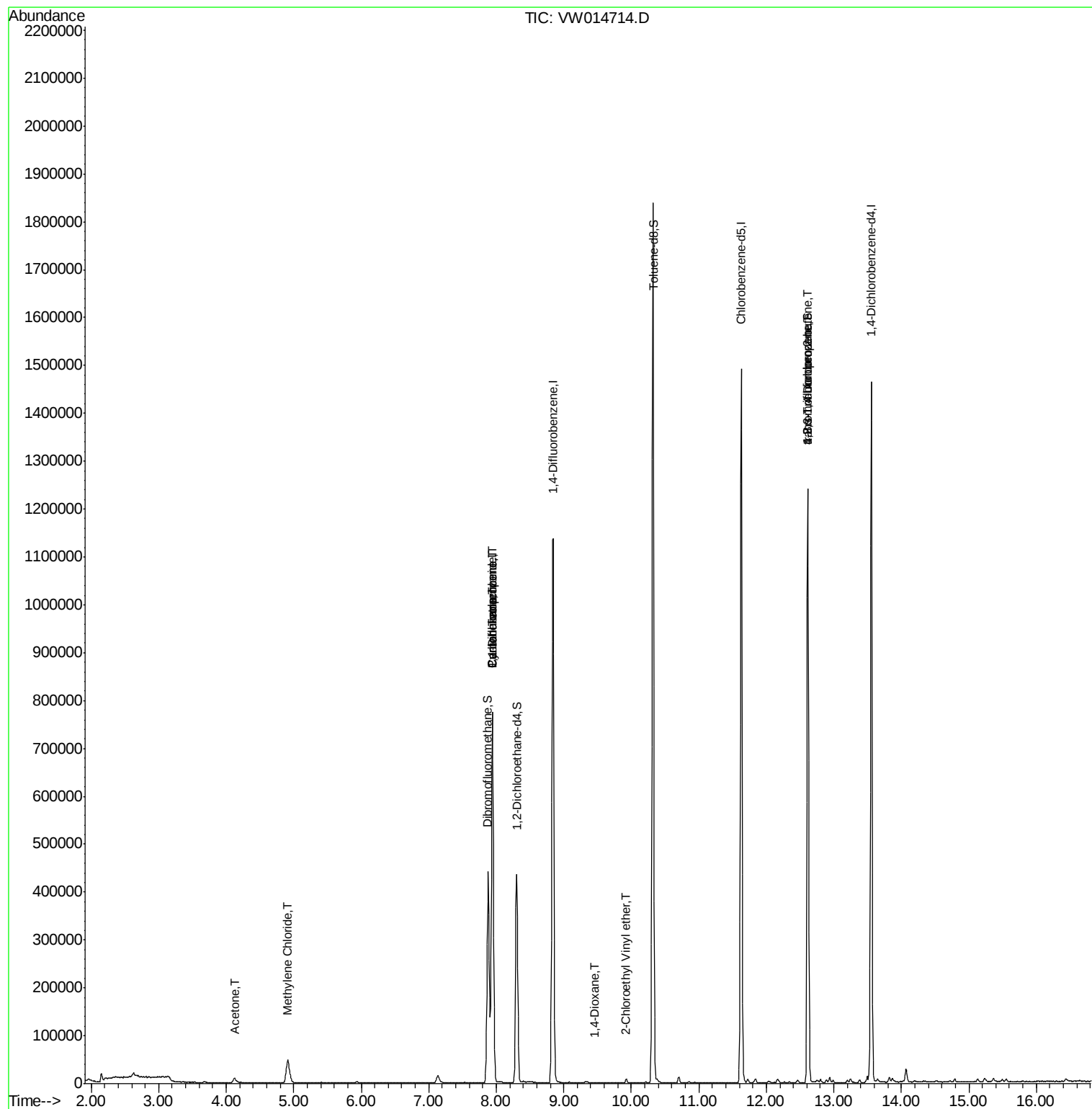
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	902	Below Cal	#	73
16) Acetone	4.12	43	20657	13.61	ug/l	92
20) Methylene Chloride	4.91	84	41887	2.54	ug/l	95
31) Cyclohexane	7.95	56	12111	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	44120	4.64	ug/l #	49
38) Carbon Tetrachloride	7.95	117	56081	6.80	ug/l #	17
49) 1,4-Dioxane	9.46	88	75	1.23	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.92	63	3991	2.12	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	194221	51.97	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	194221	115.79	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

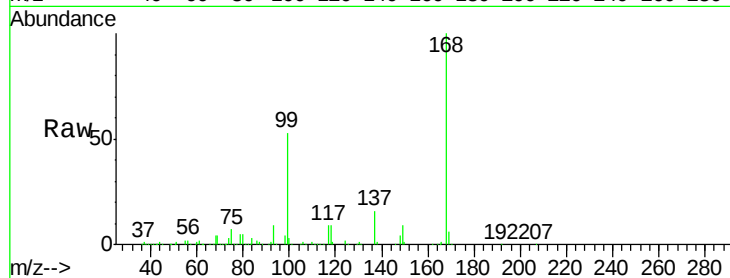
BU-02-101720

Tgt Ion:168 Resp: 614717

Ion Ratio Lower Upper

168 100

99 52.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

150000

100000

50000

0

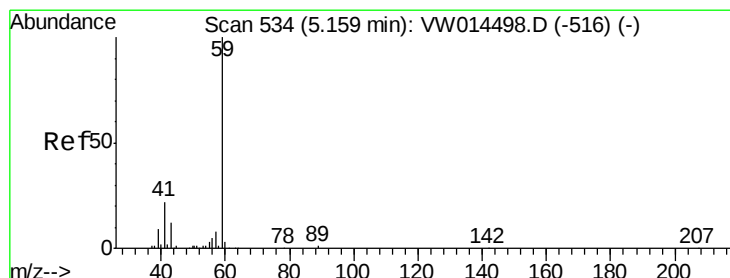
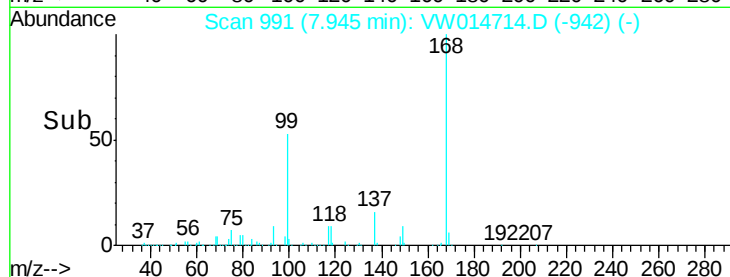
Time-->

7.80

7.90

8.00

8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014714.D

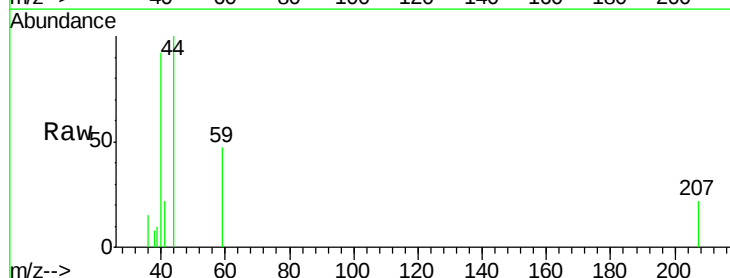
Acq: 22 Jan 2020 15:34

Tgt Ion: 59 Resp: 902

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

300

200

100

0

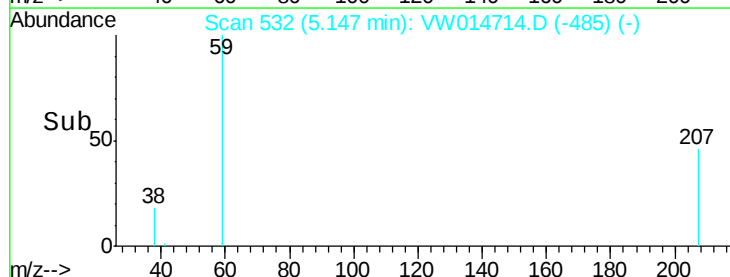
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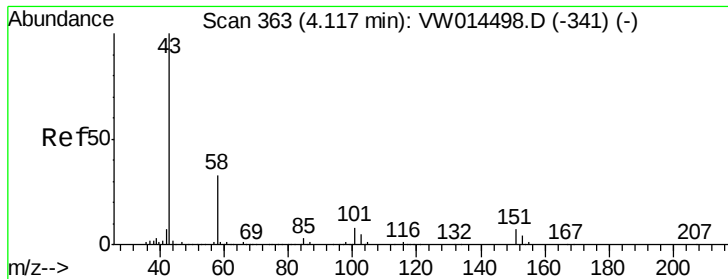
5.05

5.10

5.15

5.20





#16

Acetone

Concen: 13.61 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

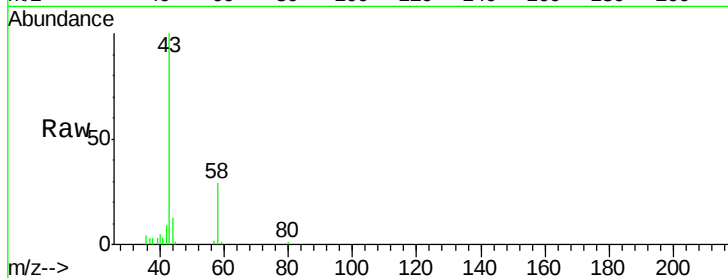
BU-02-101720

Tgt Ion: 43 Resp: 20657

Ion Ratio Lower Upper

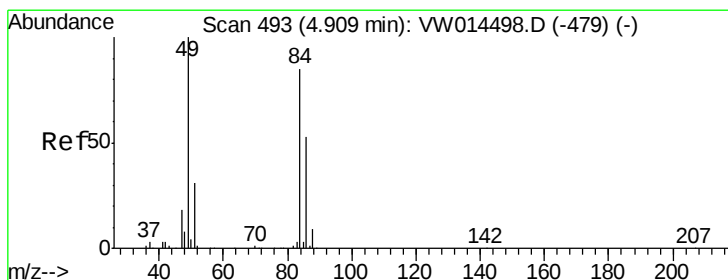
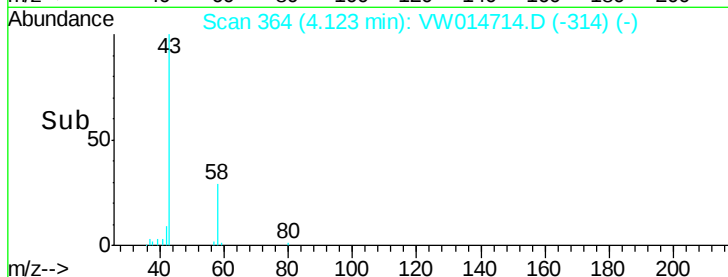
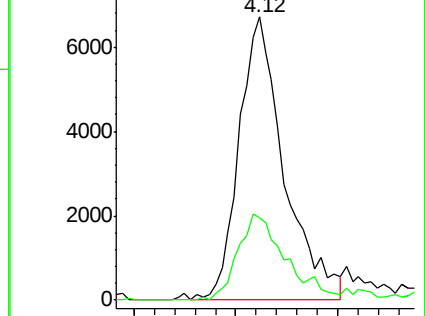
43 100

58 28.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.54 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Tgt Ion: 84 Resp: 41887

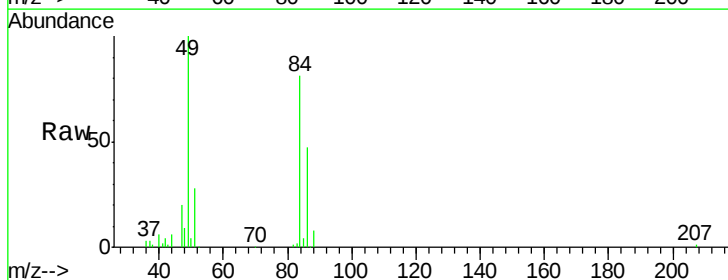
Ion Ratio Lower Upper

84 100

49 124.1 94.4 141.6

51 34.3 29.5 44.3

86 58.7 50.2 75.2

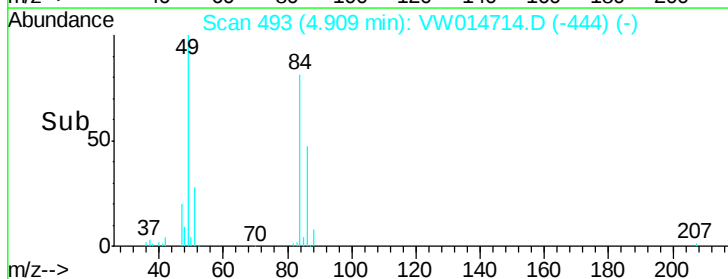
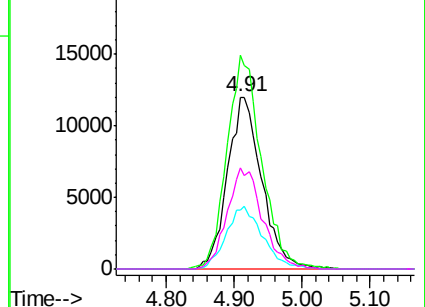


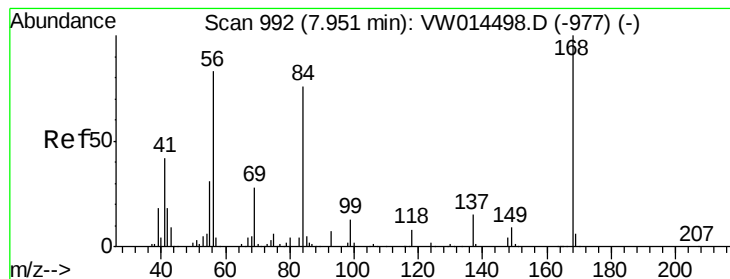
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

BU-02-101720

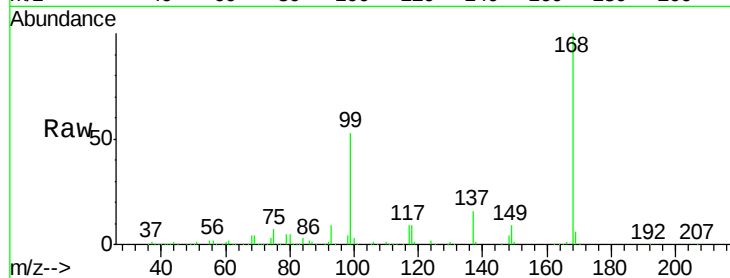
Tgt Ion: 56 Resp: 12111

Ion Ratio Lower Upper

56 100

69 194.0 26.8 40.2#

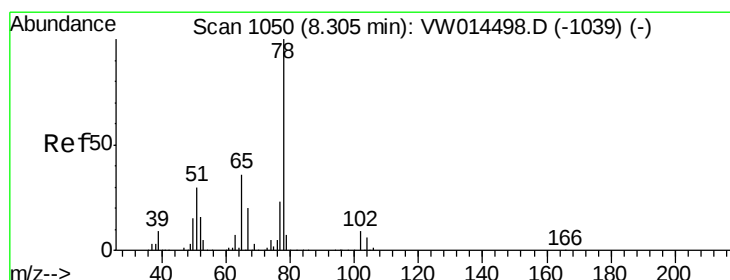
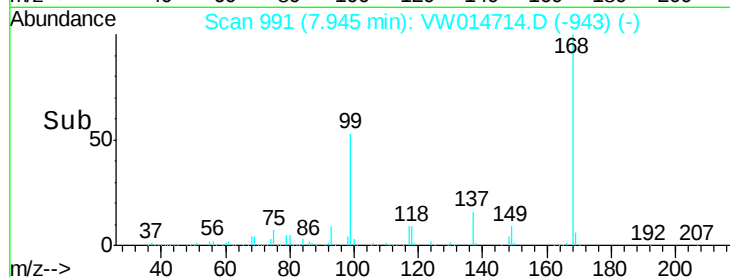
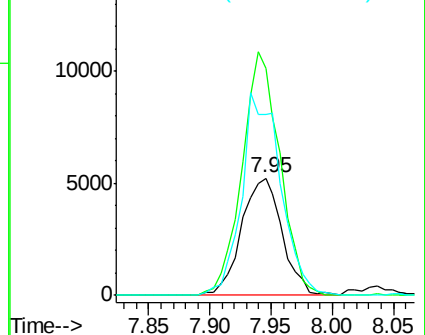
84 154.4 71.8 107.6#



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: 63.69 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014714.D

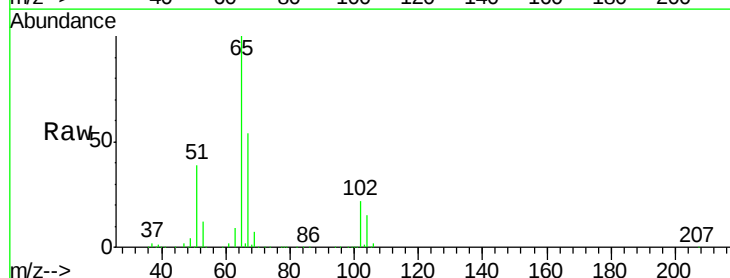
Acq: 22 Jan 2020 15:34

Tgt Ion: 65 Resp: 342291

Ion Ratio Lower Upper

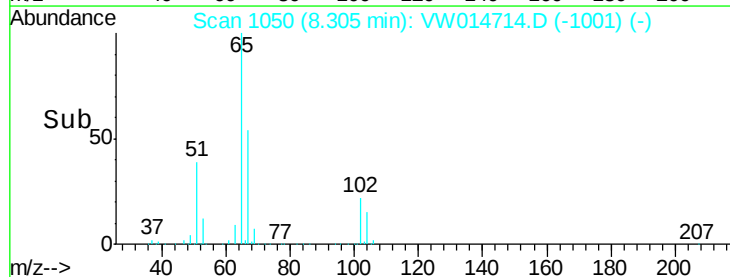
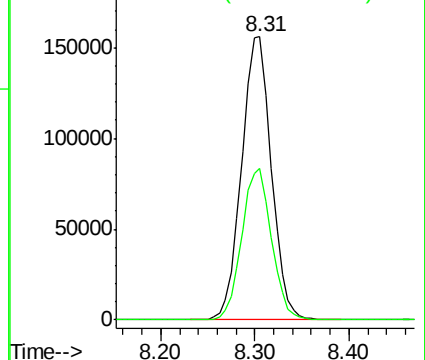
65 100

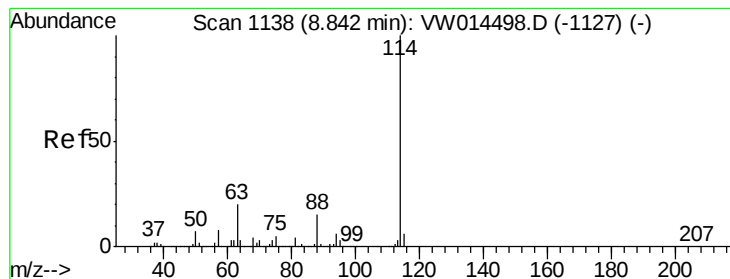
67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

BU-02-101720

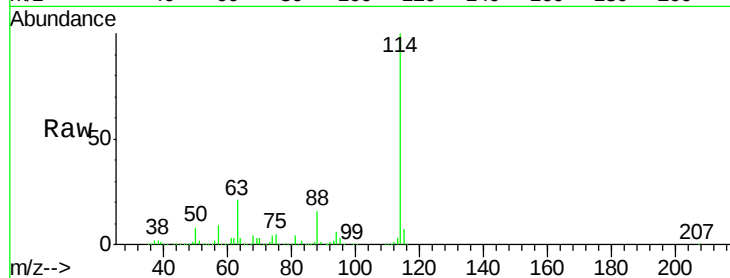
Tgt Ion:114 Resp: 985887

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

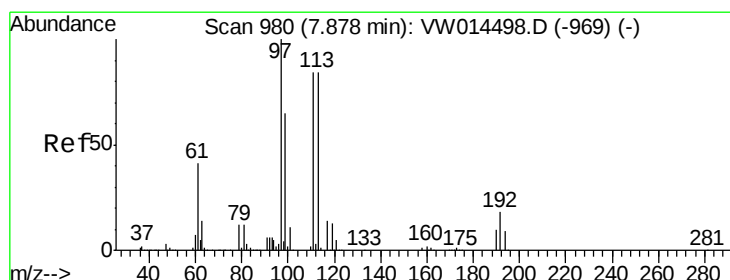
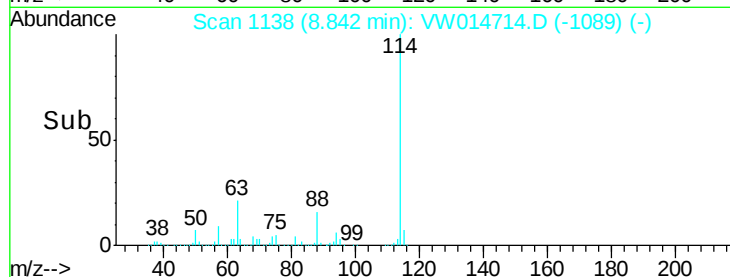
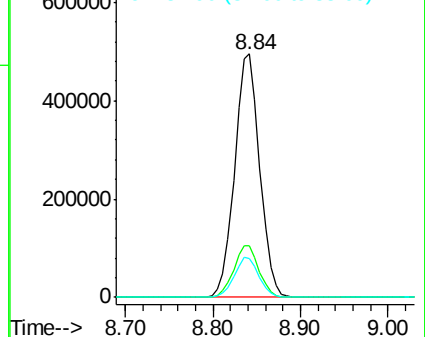
88 16.0 0.0 30.6



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: 55.91 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

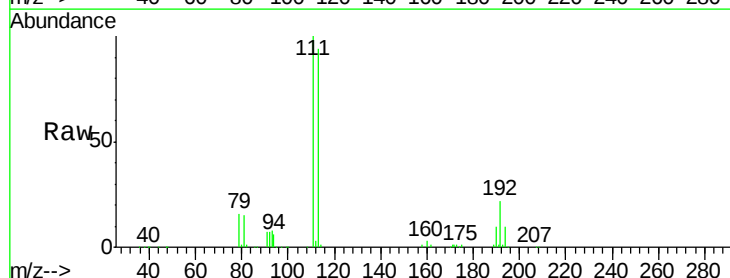
Tgt Ion:113 Resp: 315043

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.2

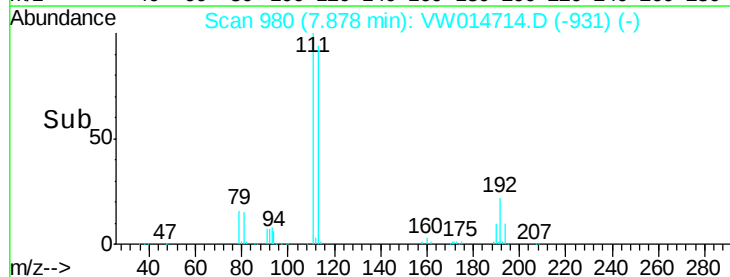
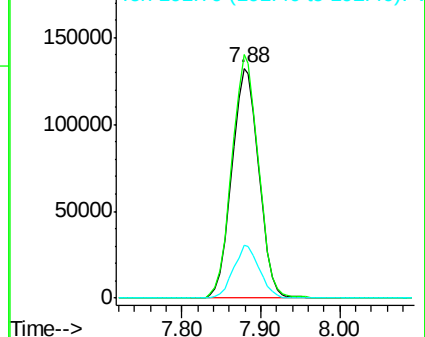
192 22.0 17.8 26.8

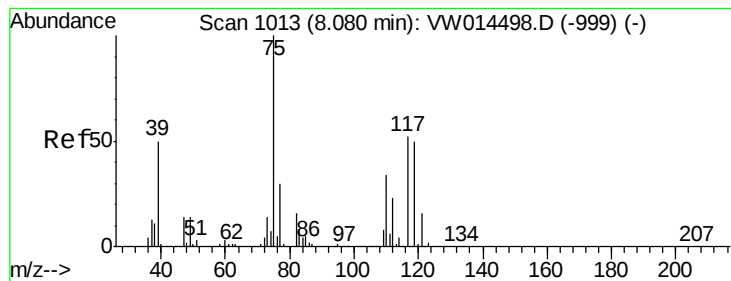


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.64 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampleId :

BU-02-101720

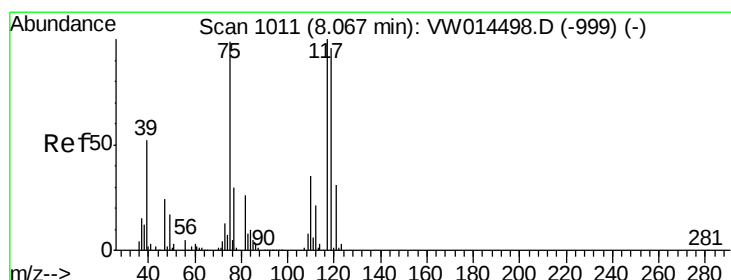
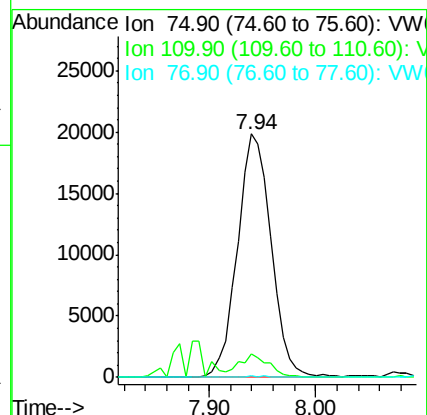
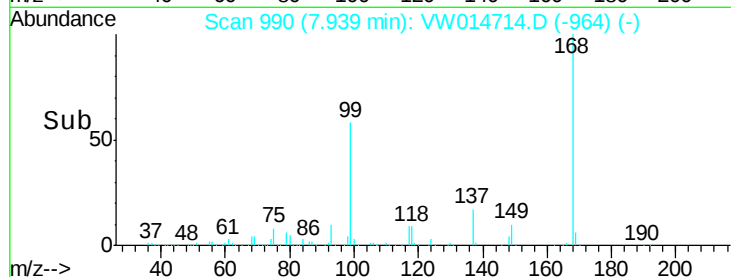
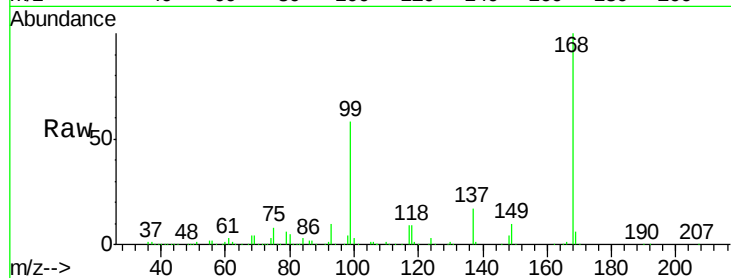
Tgt Ion: 75 Resp: 44120

Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.5#

77 0.3 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.80 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

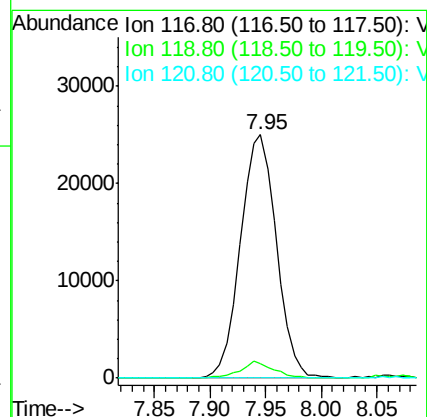
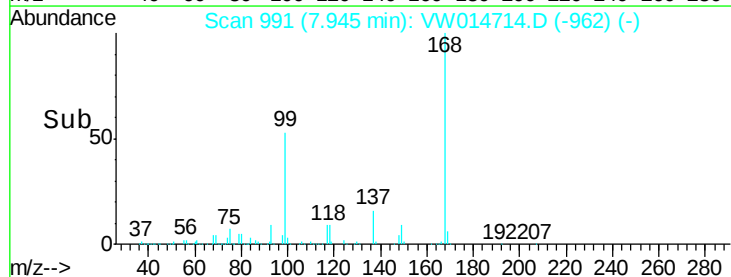
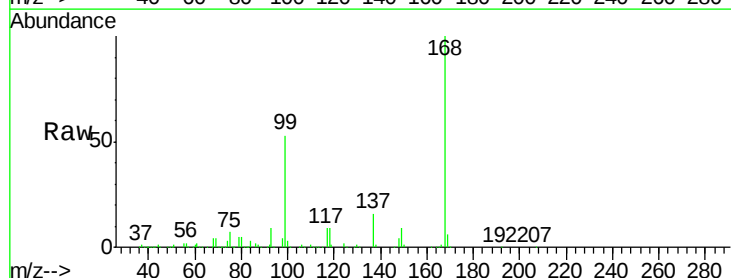
Tgt Ion: 117 Resp: 56081

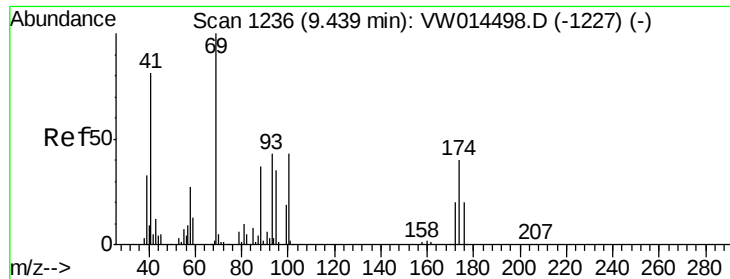
Ion Ratio Lower Upper

117 100

119 6.2 77.0 115.6#

121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.23 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampled :

BU-02-101720

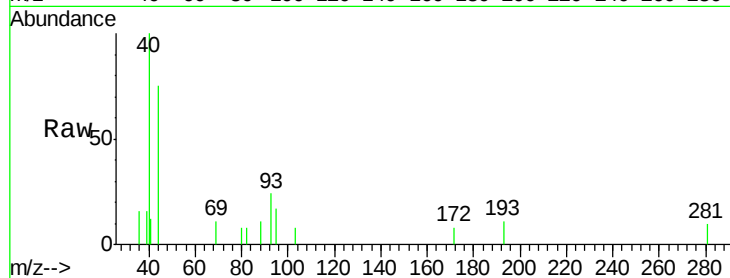
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 24.9 37.3#

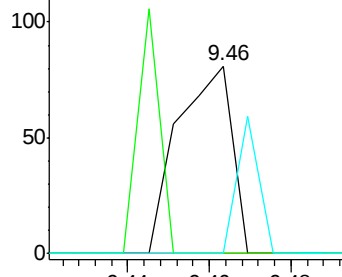
58 29.3 56.9 85.3#



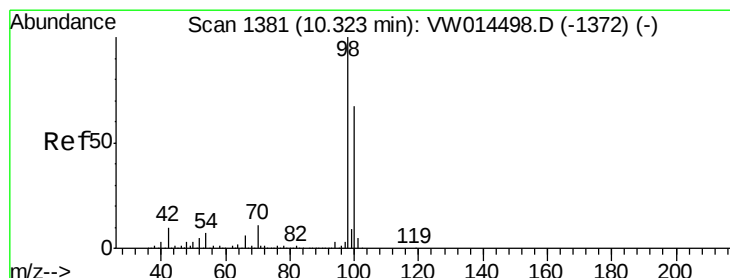
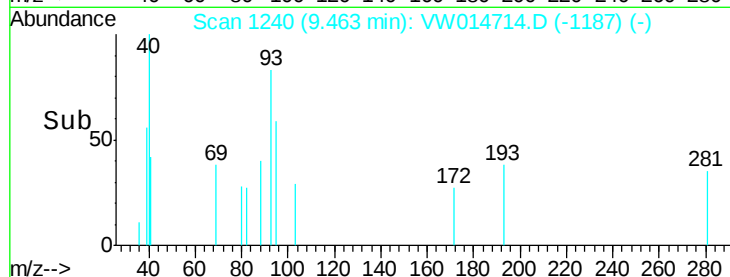
Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#50

Toluene-d8

Concen: 52.35 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014714.D

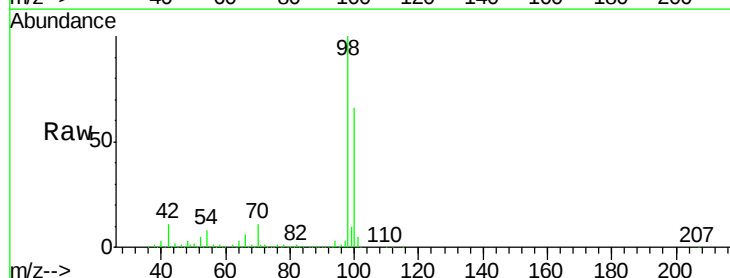
Acq: 22 Jan 2020 15:34

Tgt Ion: 98 Resp: 1230869

Ion Ratio Lower Upper

98 100

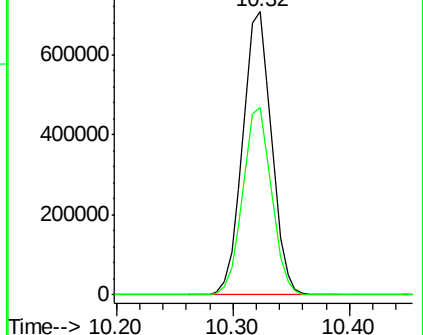
100 66.0 53.8 80.6



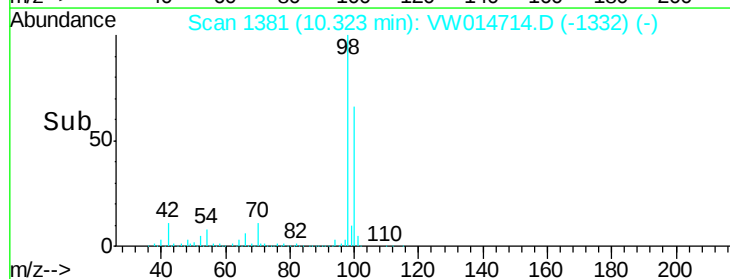
Abundance Ion 98.00 (97.70 to 98.70): VW

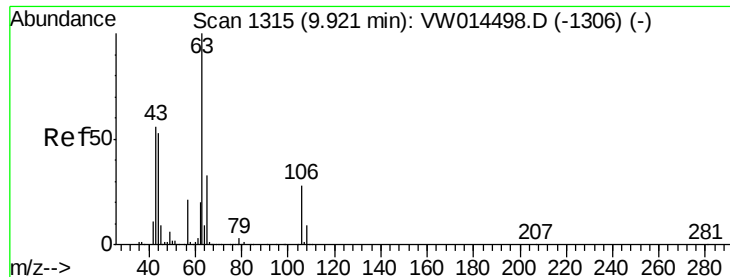
Ion 100.00 (99.70 to 100.70): VW

10.32



Time-->

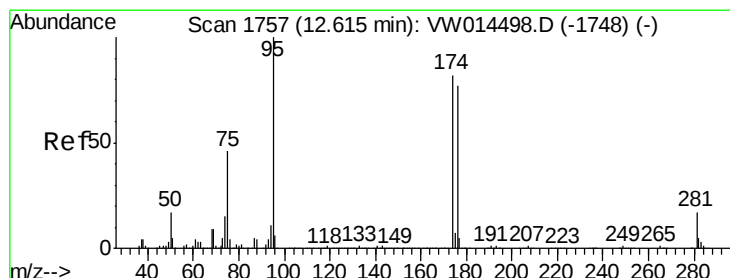
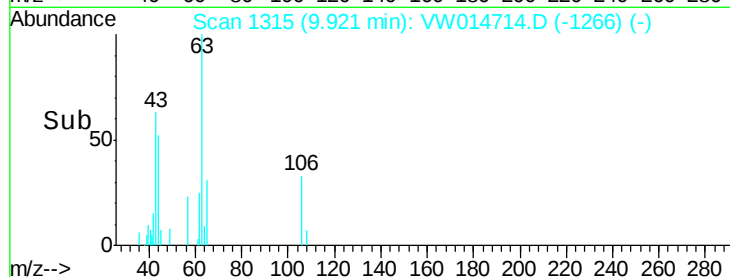
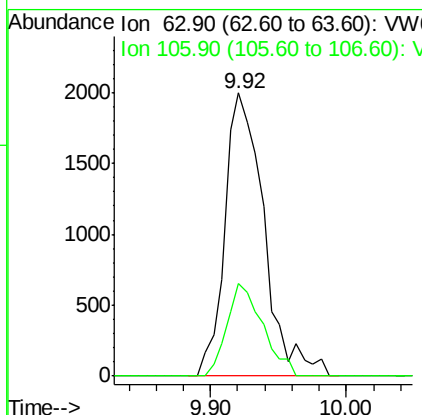
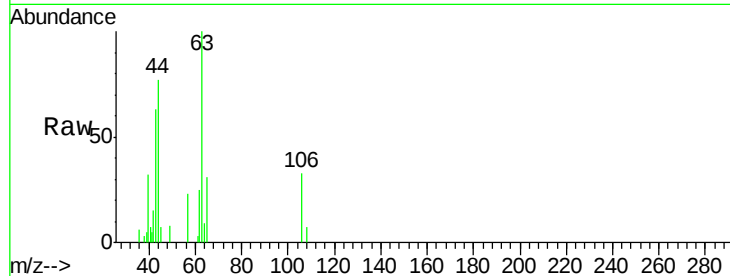




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.12 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014714.D
 Acq: 22 Jan 2020 15:34

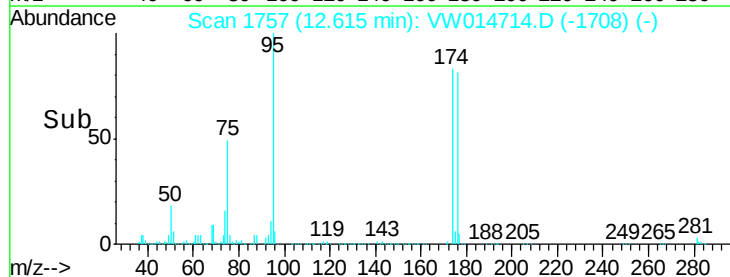
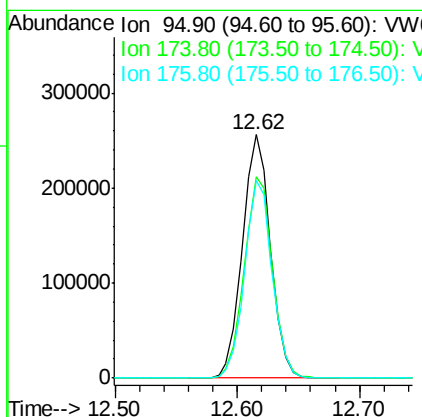
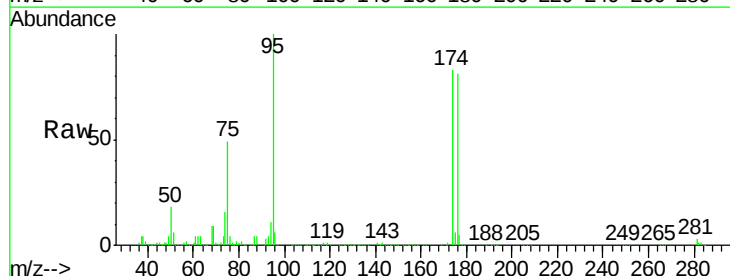
Instrument :
 MSVOA_W
 ClientSampleId :
 BU-02-101720

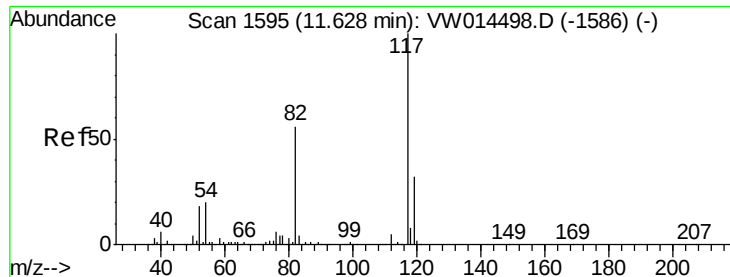
Tgt Ion: 63 Resp: 3991
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.0 34.6



#62
 4-Bromofluorobenzene
 Concen: 50.90 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014714.D
 Acq: 22 Jan 2020 15:34

Tgt Ion: 95 Resp: 405934
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 168.6
 176 80.4 0.0 162.0

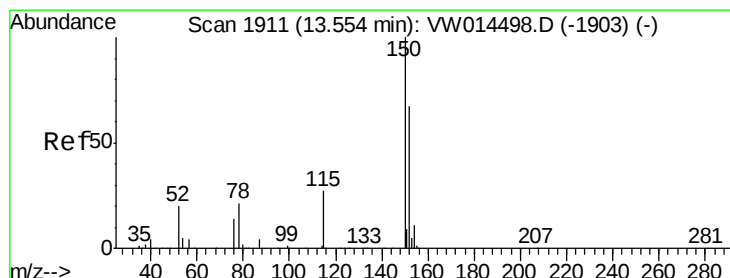
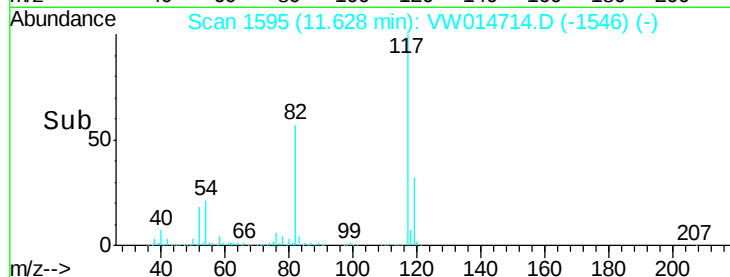
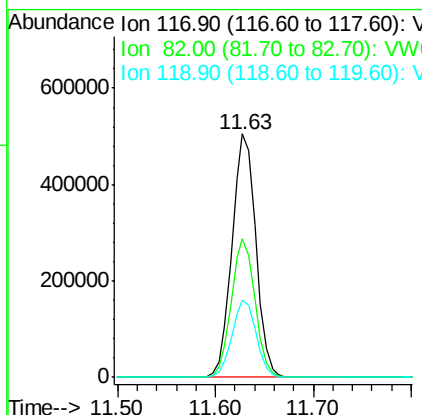
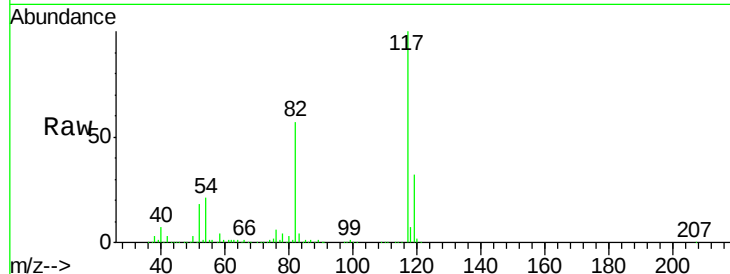




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014714.D
Acq: 22 Jan 2020 15:34

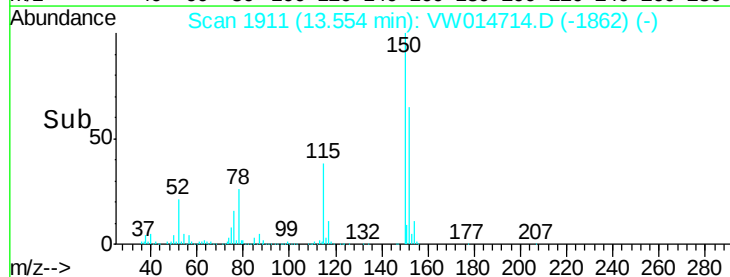
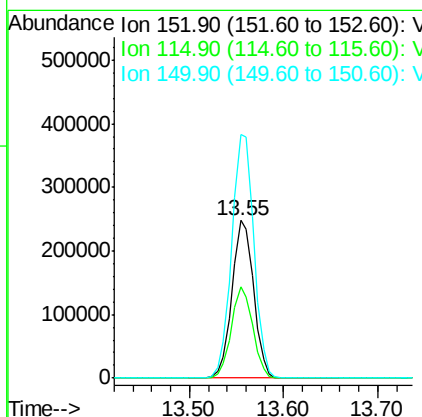
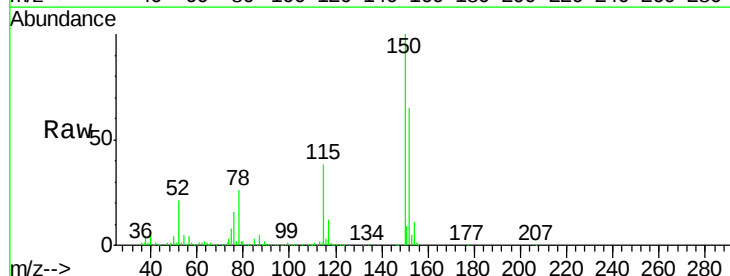
Instrument :
MSVOA_W
ClientSampleId :
BU-02-101720

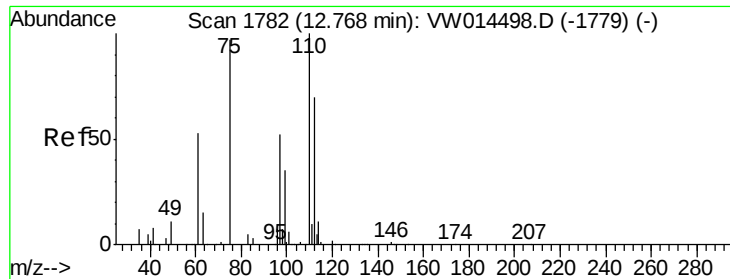
Tgt Ion:117 Resp: 853630
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014714.D
Acq: 22 Jan 2020 15:34

Tgt Ion:152 Resp: 395271
Ion Ratio Lower Upper
152 100
115 57.4 27.7 83.1
150 158.3 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 51.97 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Instrument :

MSVOA_W

ClientSampled :

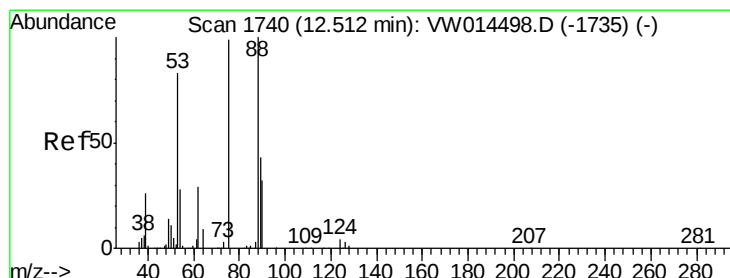
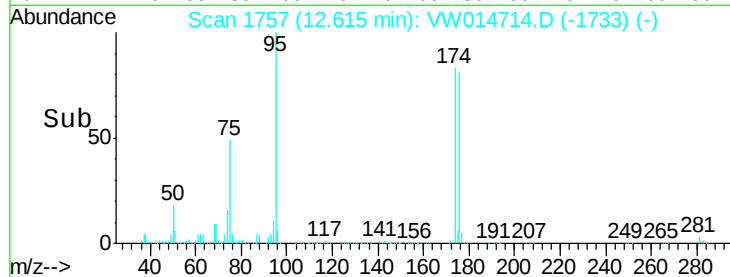
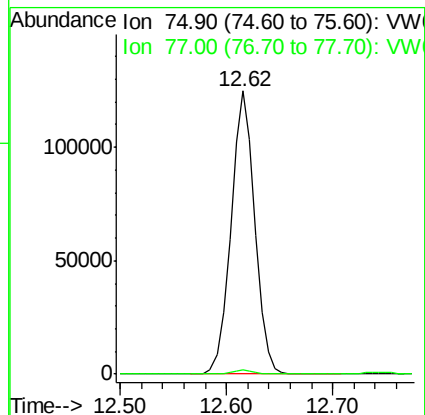
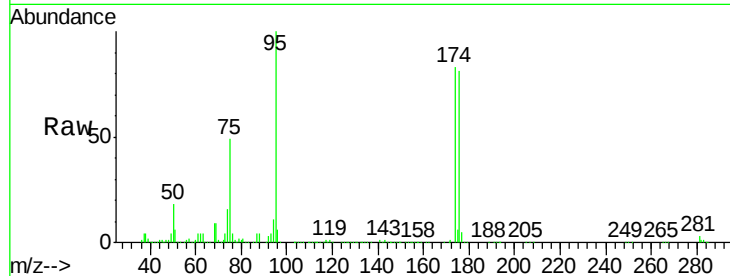
BU-02-101720

Tgt Ion: 75 Resp: 194221

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.79 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014714.D

Acq: 22 Jan 2020 15:34

Tgt Ion: 75 Resp: 194221

Ion Ratio Lower Upper

75 100

53 0.2 70.9 106.3#

89 0.0 35.8 53.8#

