

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
 Data File : VW009095.D
 Acq On : 11 Mar 2019 19:05
 Operator : SY/VA
 Sample : K1691-01
 Misc : 6.67G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-030819-A

Quant Time: Mar 12 08:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	172072	60.04	ug/l	0.00
Spiked Amount			Recovery	=	120.08%	
35) Dibromofluoromethane	7.88	113	145211	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
50) Toluene-d8	10.32	98	541794	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	171972	39.17	ug/l	0.00
Spiked Amount			Recovery	=	78.34%	

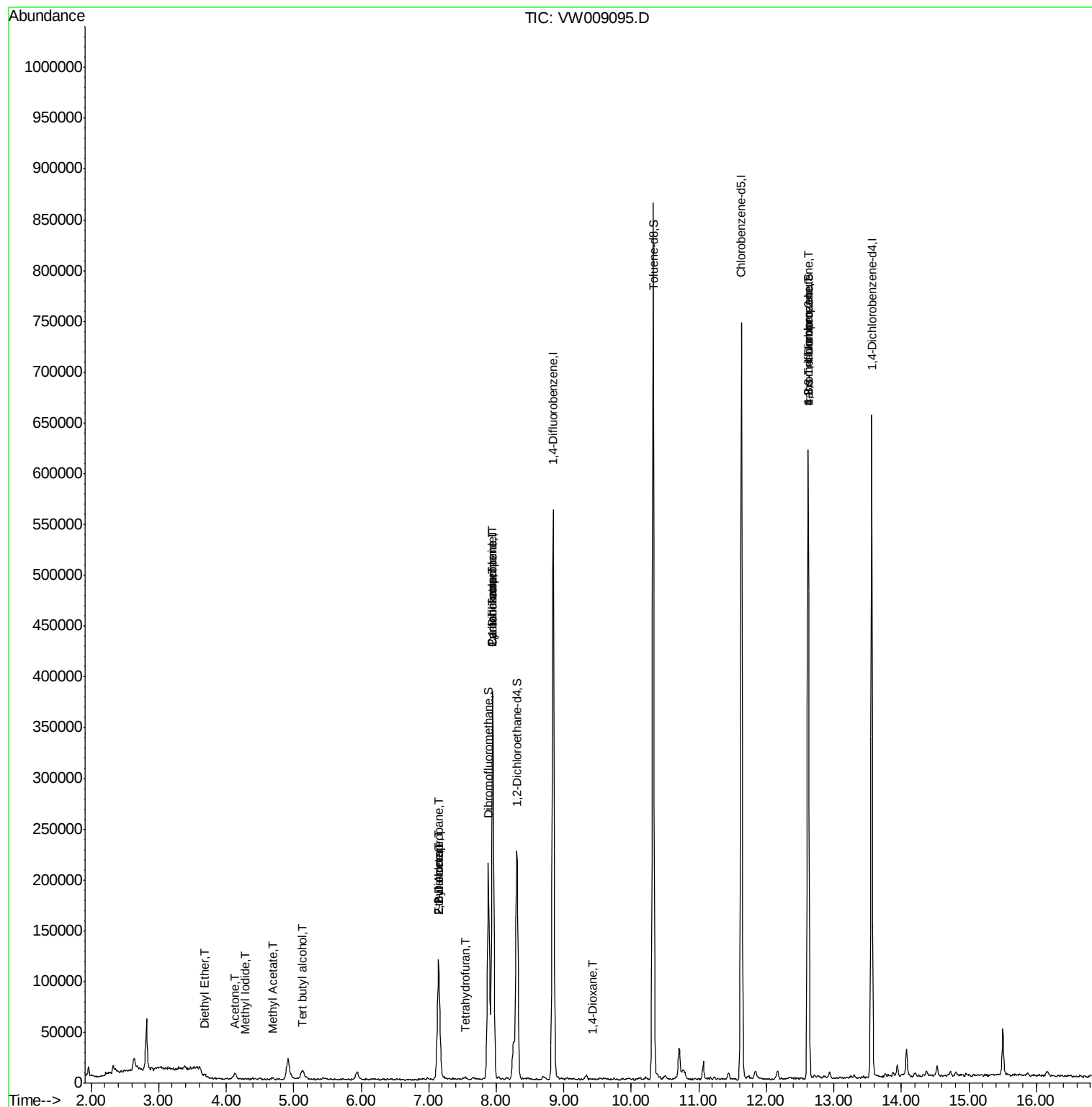
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1690	1.160	ug/l	82
10) Methyl Iodide	4.28	142	24	3.194	ug/l #	1
11) Tert butyl alcohol	5.12	59	10041	45.717	ug/l #	76
16) Acetone	4.12	43	11080	17.131	ug/l #	83
18) Methyl Acetate	4.70	43	2071	1.392	ug/l #	82
20) Methylene Chloride	4.92	84	14196	Below Cal		96
25) 2-Butanone	7.15	43	6924	7.746	ug/l #	70
26) 2,2-Dichloropropane	7.15	77	7883	1.666	ug/l #	54
29) Tetrahydrofuran	7.54	42	2090	3.710	ug/l #	88
31) Cyclohexane	7.95	56	7521	1.407	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	22395	4.749	ug/l #	50
37) Ethyl Acetate	7.15	43	6924	3.126	ug/l #	1
38) Carbon Tetrachloride	7.95	117	27243	5.594	ug/l #	17
49) 1,4-Dioxane	9.43	88	65	2.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	92568	71.357	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	92568	159.606	ug/l #	5

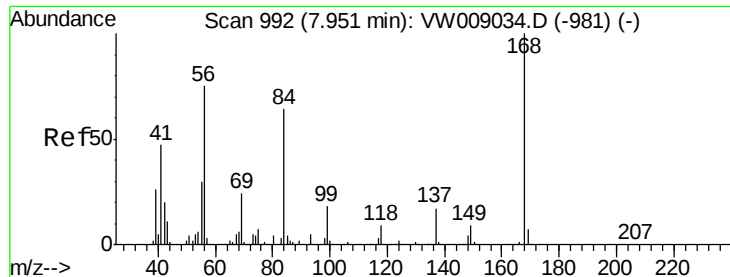
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW031119\
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QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

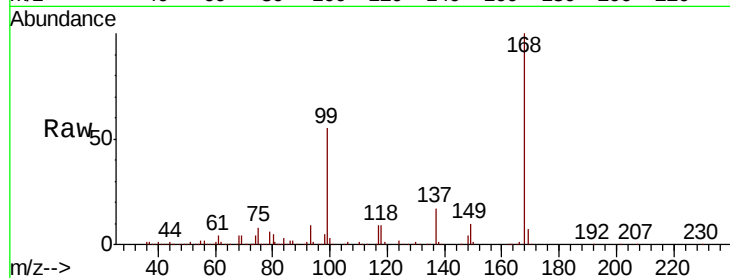
CL-02-030819-A

Tgt Ion:168 Resp: 284878

Ion Ratio Lower Upper

168 100

99 55.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

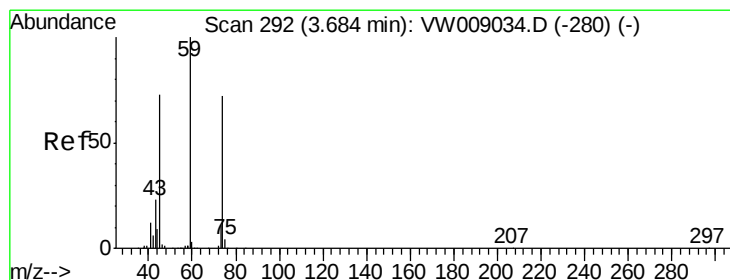
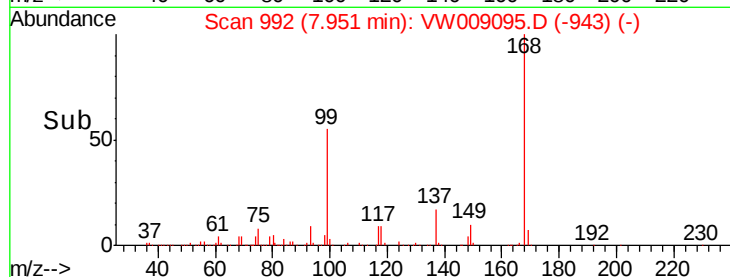
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.160 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW009095.D

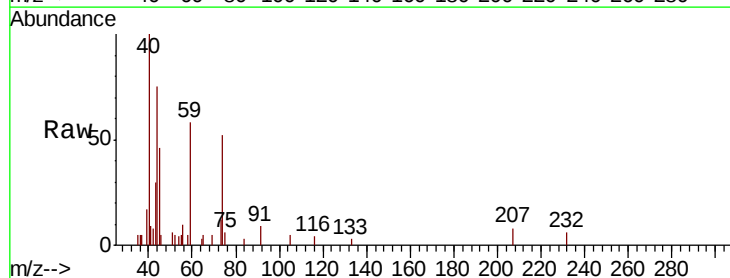
Acq: 11 Mar 2019 19:05

Tgt Ion: 74 Resp: 1690

Ion Ratio Lower Upper

74 100

45 123.5 52.3 157.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

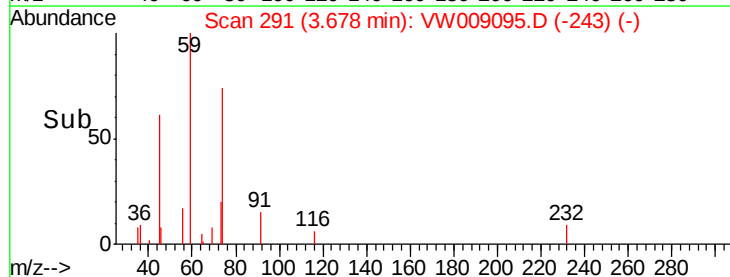
600

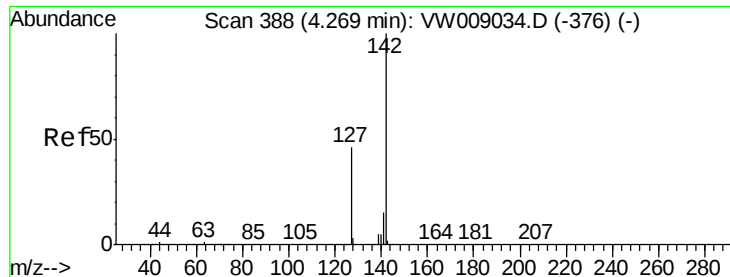
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200

0

Time-->

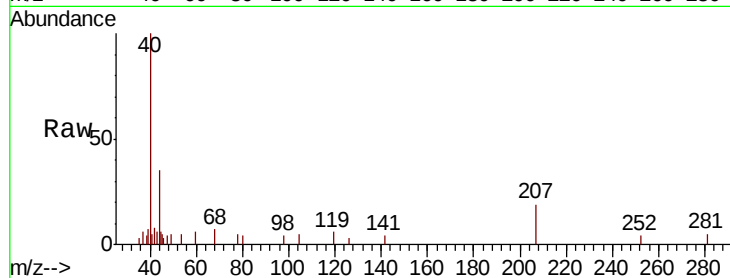




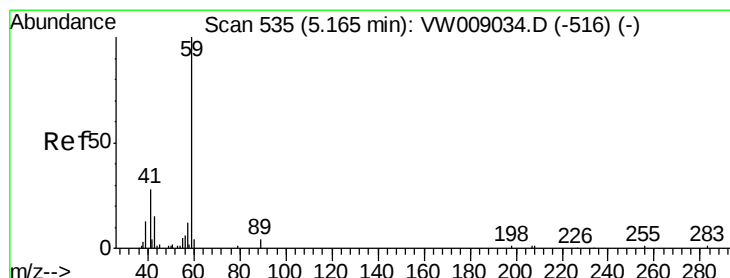
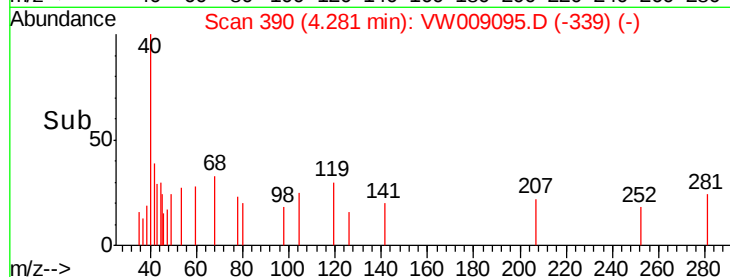
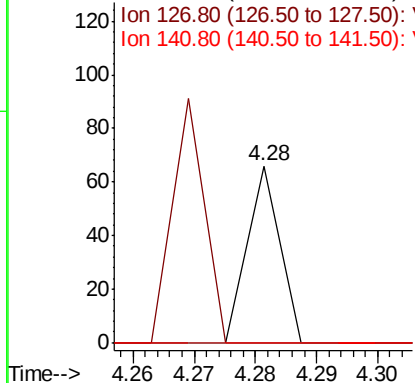
#10
Methyl Iodide
Concen: 3.194 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.01 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-A

Tgt Ion:142 Resp: 24
Ion Ratio Lower Upper
142 100
127 137.5 35.8 53.6#
141 0.0 11.8 17.8#

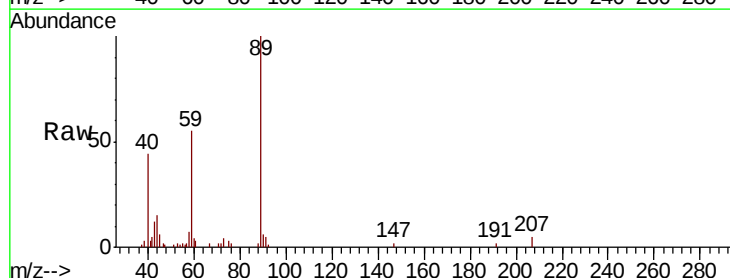


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

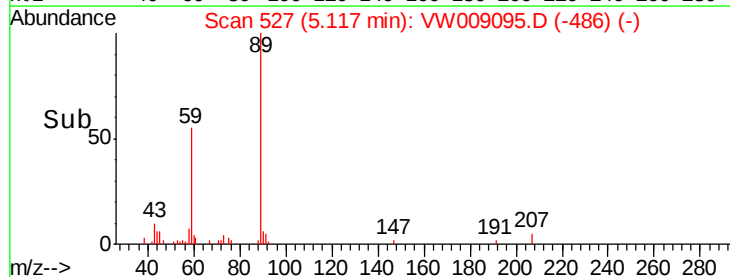
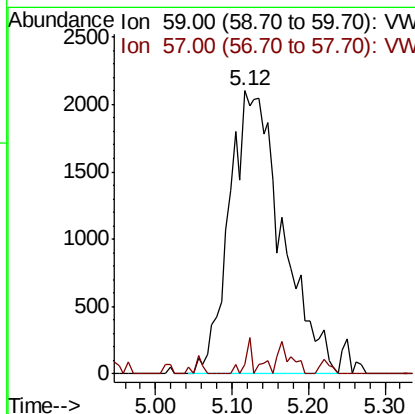


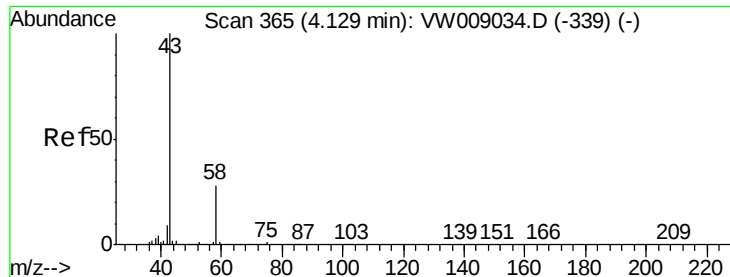
#11
Tert butyl alcohol
Concen: 45.717 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.05 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

Tgt Ion: 59 Resp: 10041
Ion Ratio Lower Upper
59 100
57 1.8 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 17.131 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

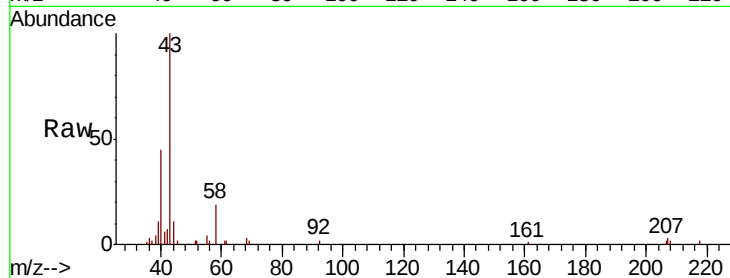
CL-02-030819-A

Tgt Ion: 43 Resp: 11080

Ion Ratio Lower Upper

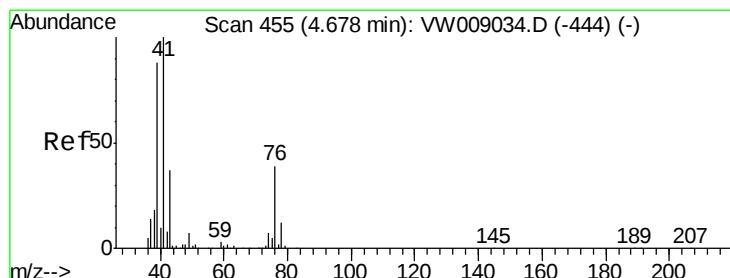
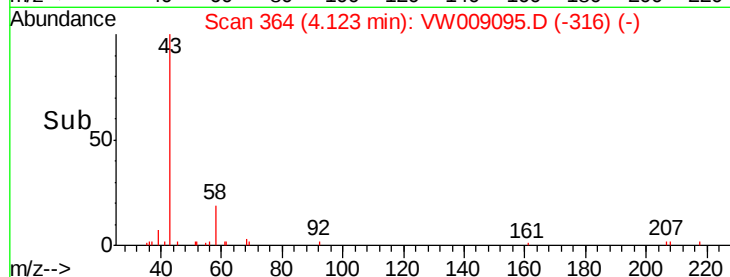
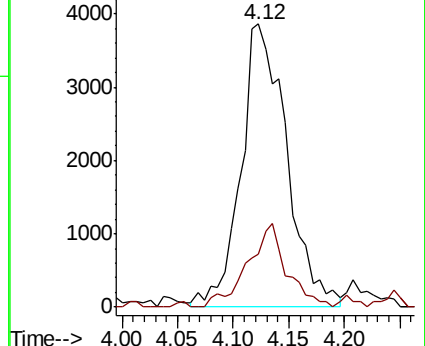
43 100

58 19.2 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.392 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.02 min

Lab File: VW009095.D

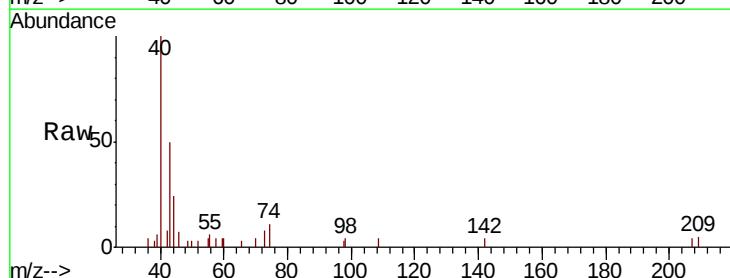
Acq: 11 Mar 2019 19:05

Tgt Ion: 43 Resp: 2071

Ion Ratio Lower Upper

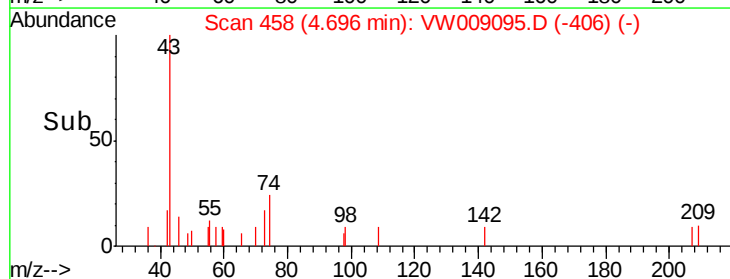
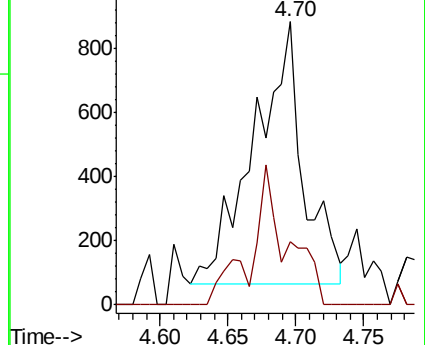
43 100

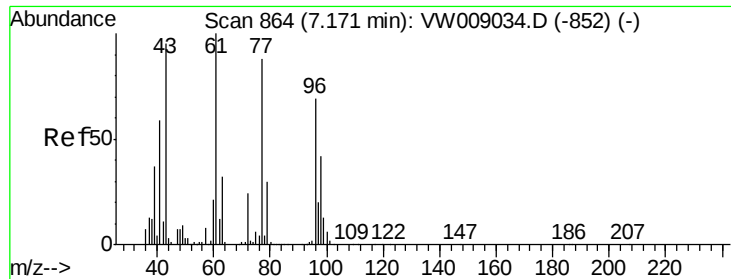
74 30.5 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#25

2-Butanone

Concen: 7.746 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

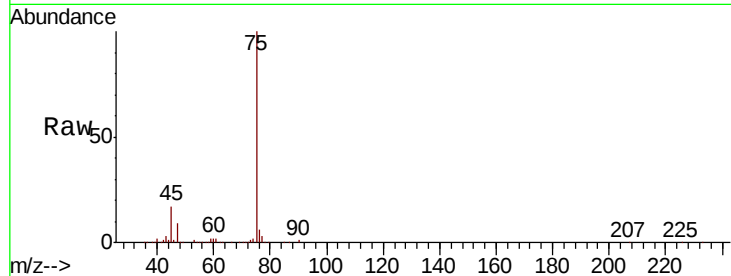
CL-02-030819-A

Tgt Ion: 43 Resp: 6924

Ion Ratio Lower Upper

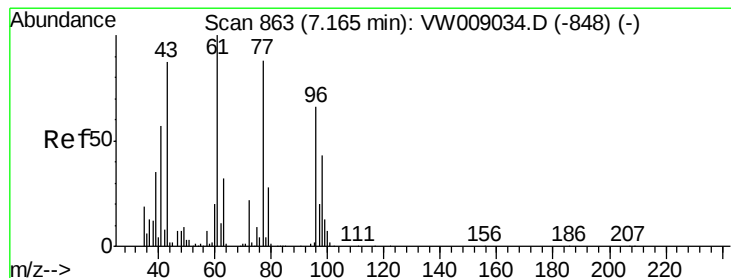
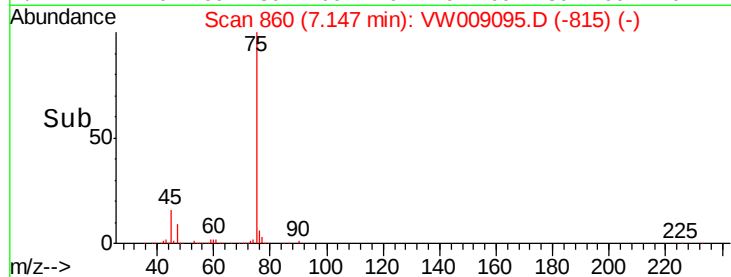
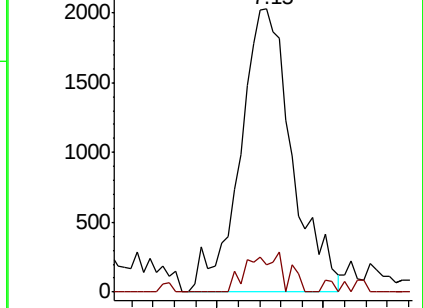
43 100

72 9.8 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.666 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009095.D

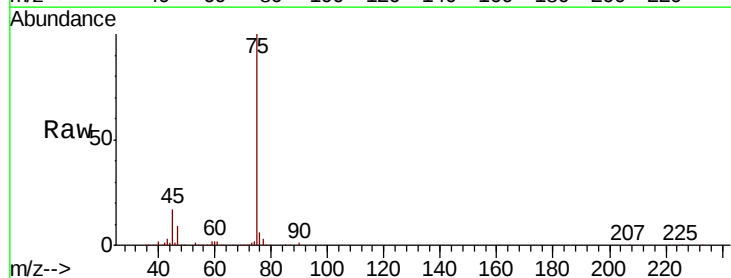
Acq: 11 Mar 2019 19:05

Tgt Ion: 77 Resp: 7883

Ion Ratio Lower Upper

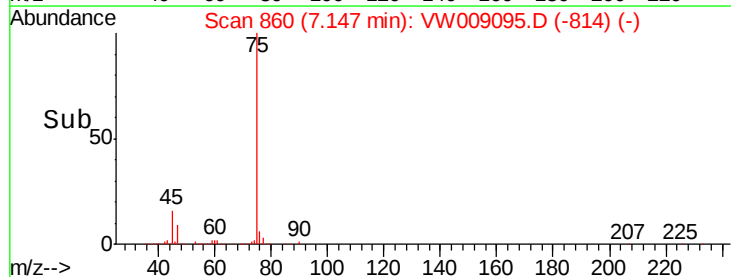
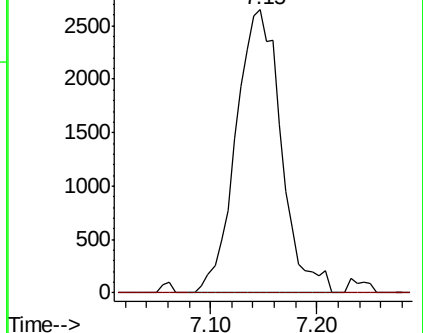
77 100

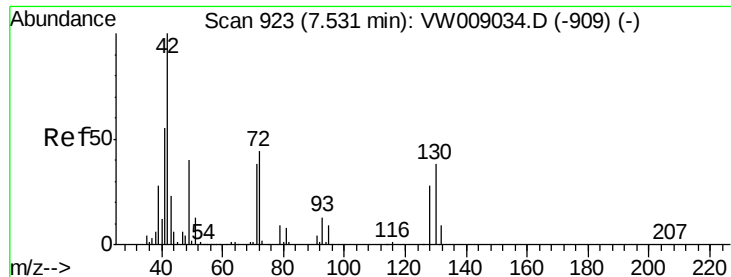
97 0.0 10.9 32.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

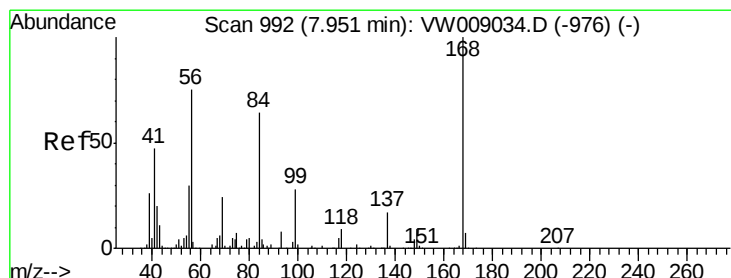
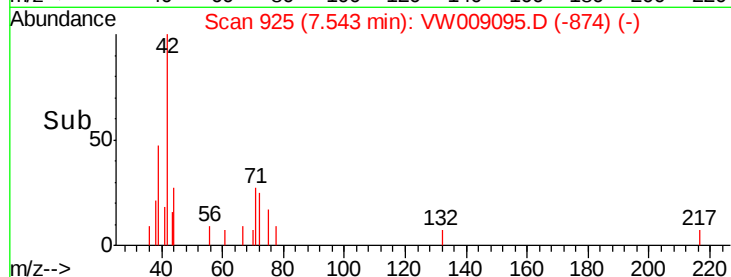
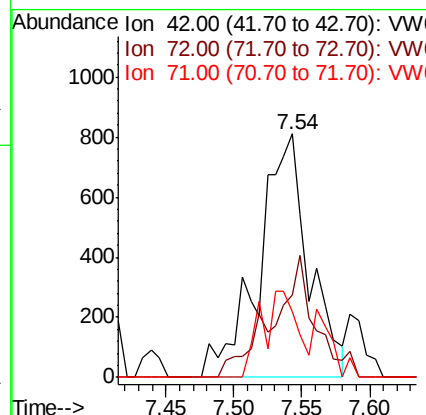
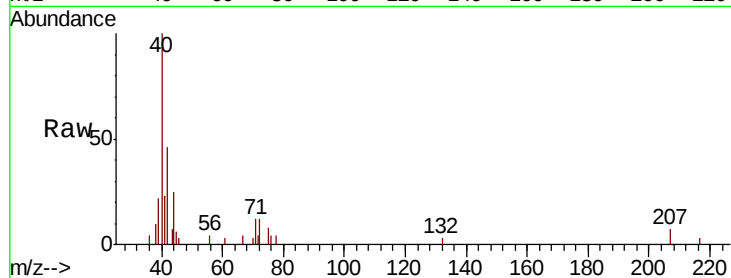




#29
Tetrahydrofuran
Concen: 3.710 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

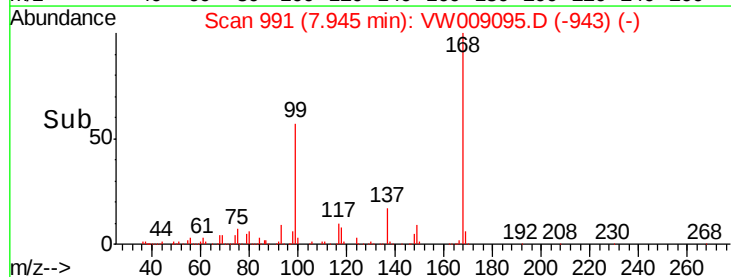
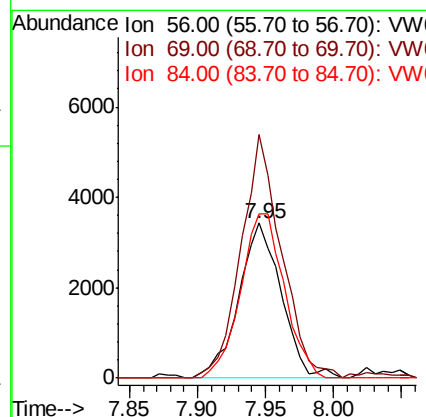
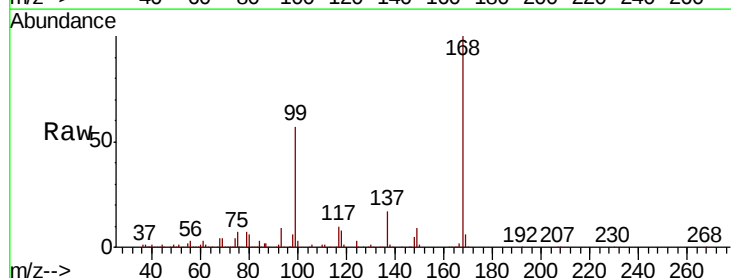
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CL-02-030819-A

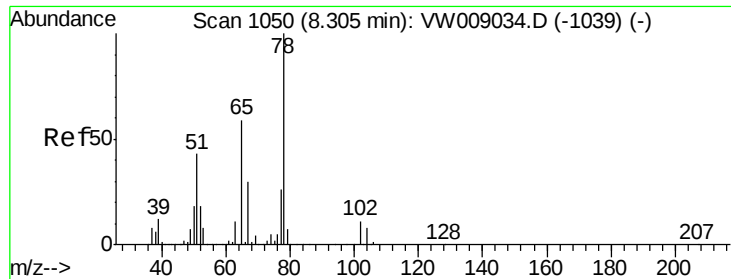
Tgt Ion: 42 Resp: 2090
Ion Ratio Lower Upper
42 100
72 42.9 32.2 48.4
71 25.8 30.7 46.1#



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

Tgt Ion: 56 Resp: 7521
Ion Ratio Lower Upper
56 100
69 157.2 25.5 38.3#
84 106.2 68.6 103.0#

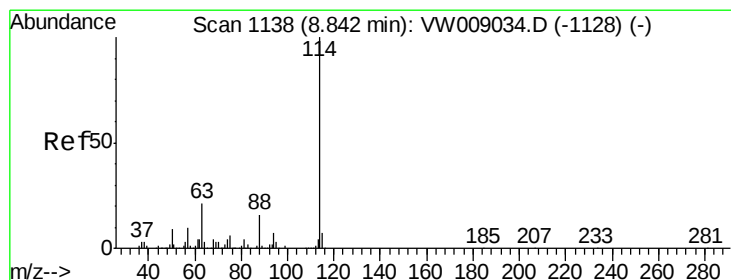
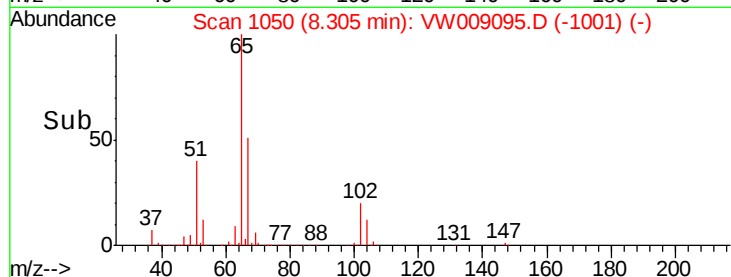
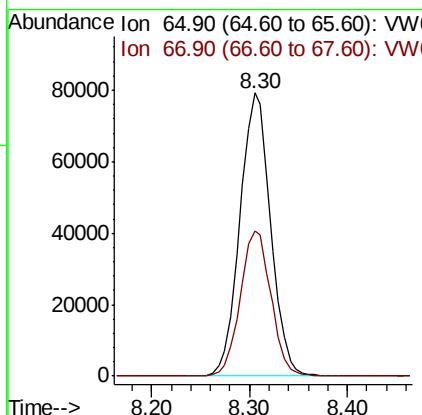
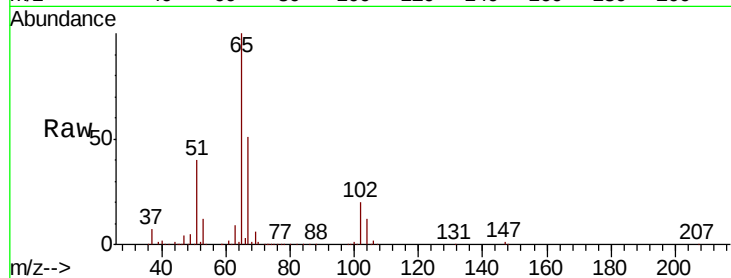




#33
 1,2-Dichloroethane-d4
 Concen: 60.036 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009095.D
 Acq: 11 Mar 2019 19:05

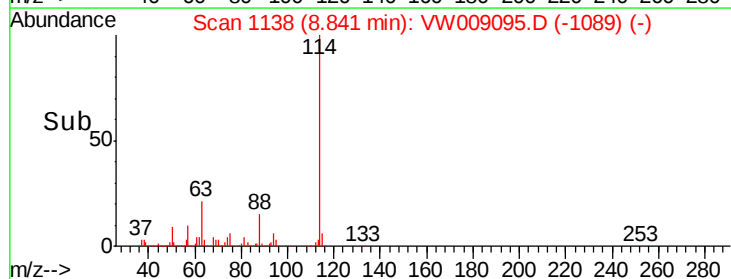
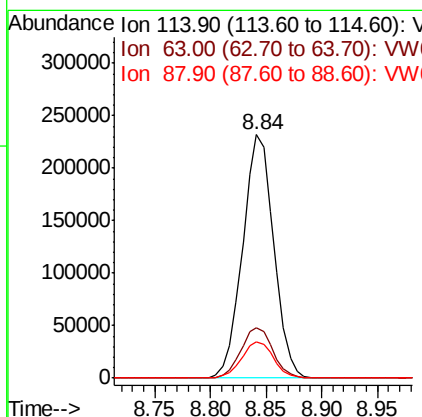
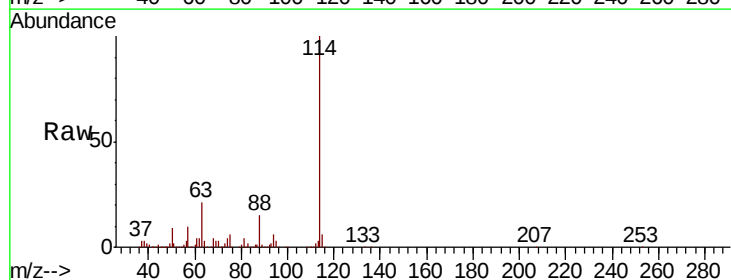
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 CL-02-030819-A

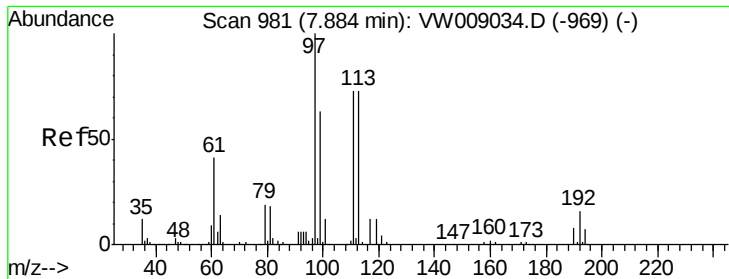
Tgt Ion: 65 Resp: 172072
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009095.D
 Acq: 11 Mar 2019 19:05

Tgt Ion: 114 Resp: 450955
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.2
 88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.482 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-A

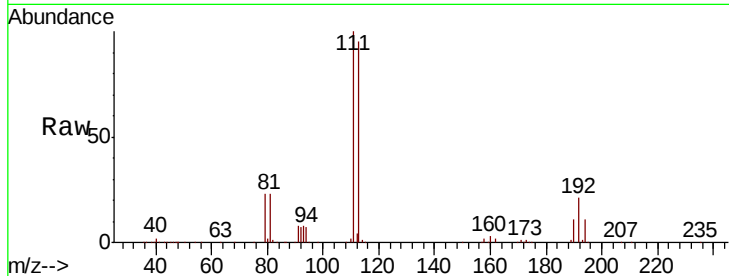
Tgt Ion: 113 Resp: 145211

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

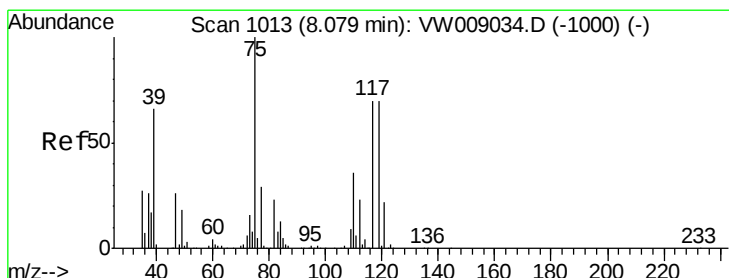
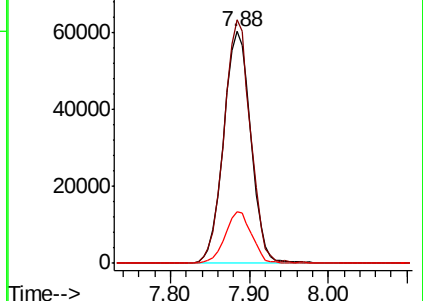
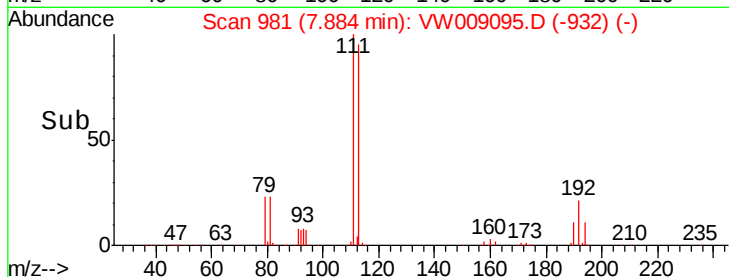
192 21.7 17.1 25.7



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: 4.749 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

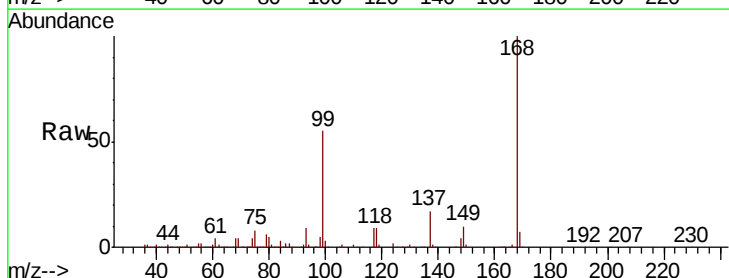
Tgt Ion: 75 Resp: 22395

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

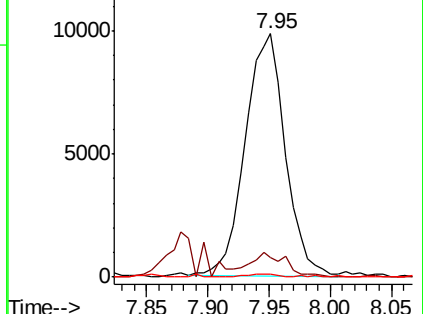
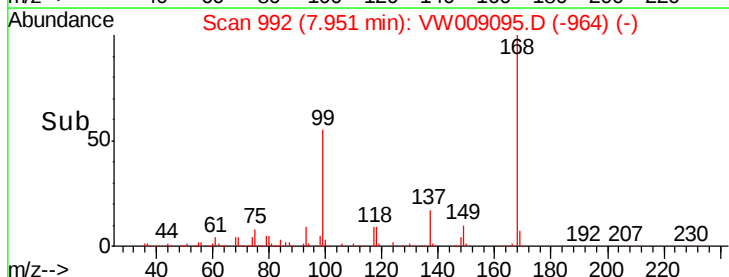
77 0.9 25.1 37.7#

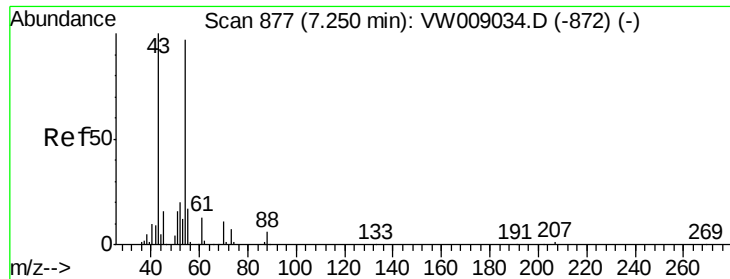


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 3.126 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-A

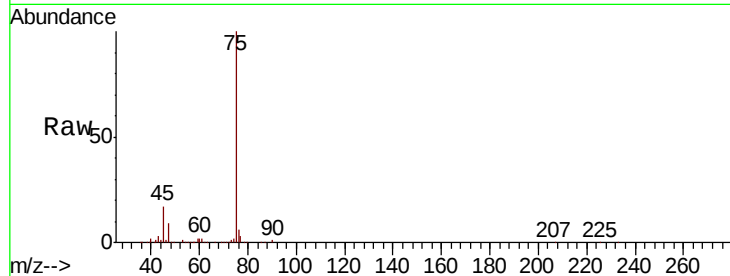
Tgt Ion: 43 Resp: 6924

Ion Ratio Lower Upper

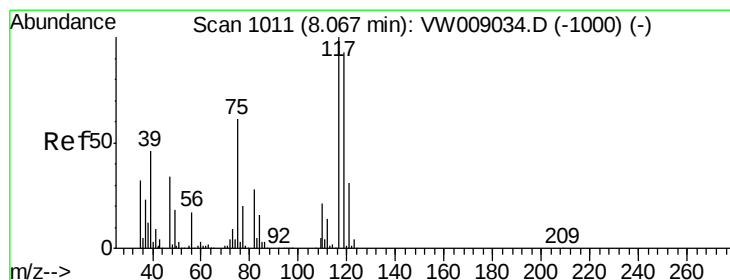
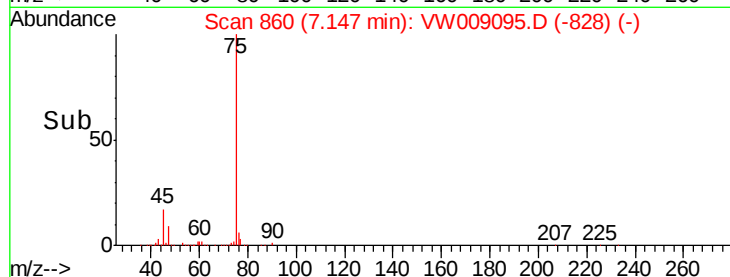
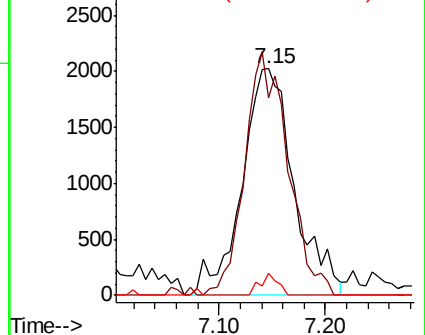
43 100

61 89.2 9.8 14.6#

70 3.4 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 5.594 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

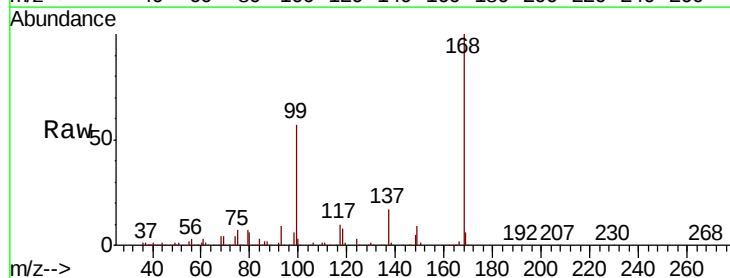
Tgt Ion: 117 Resp: 27243

Ion Ratio Lower Upper

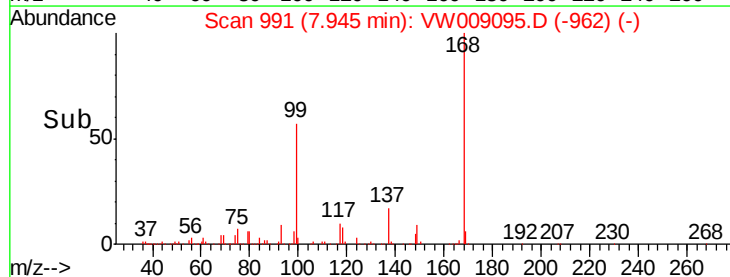
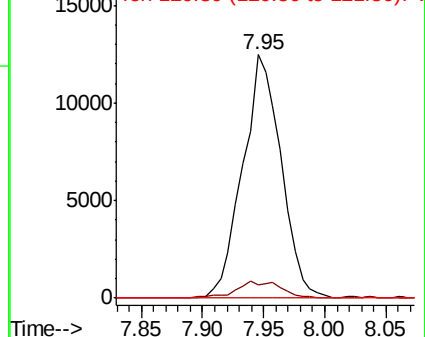
117 100

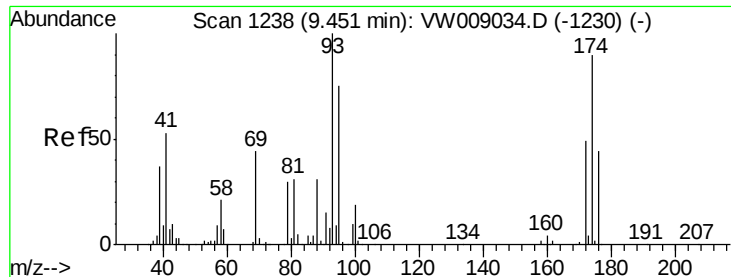
119 5.3 74.6 112.0#

121 0.0 24.7 37.1#



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

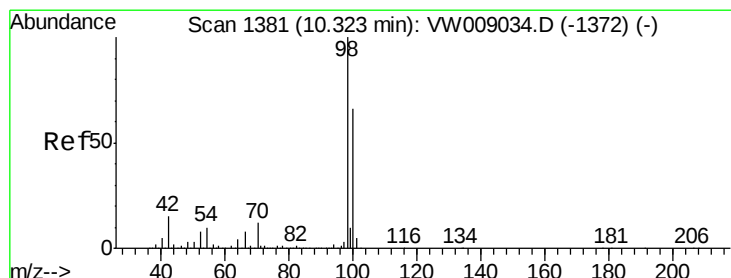
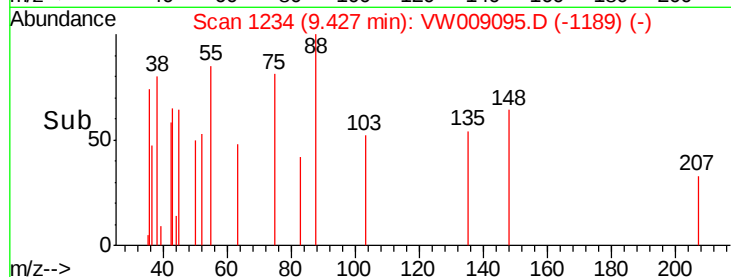
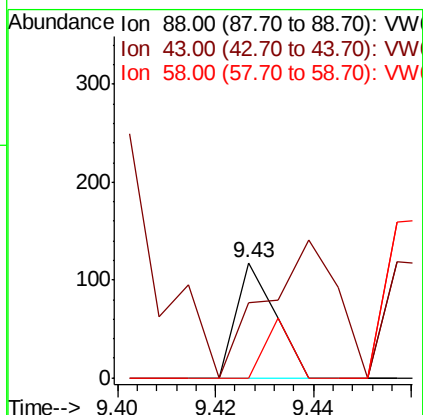
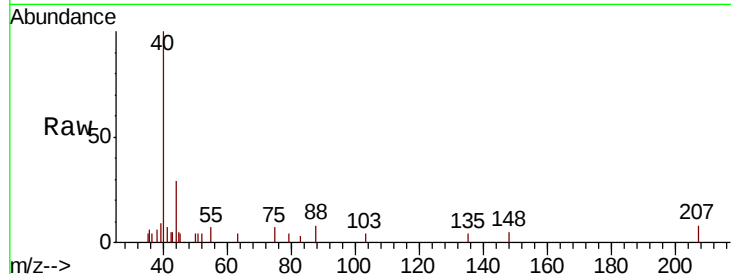




#49
1,4-Dioxane
Concen: 2.636 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

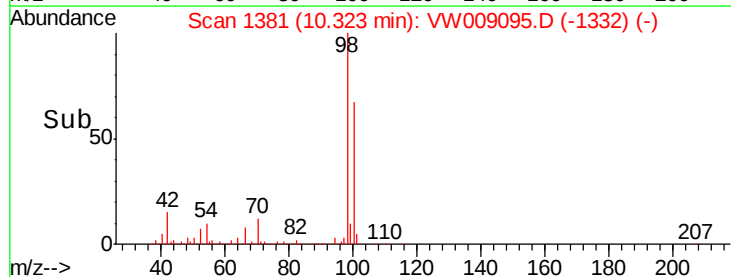
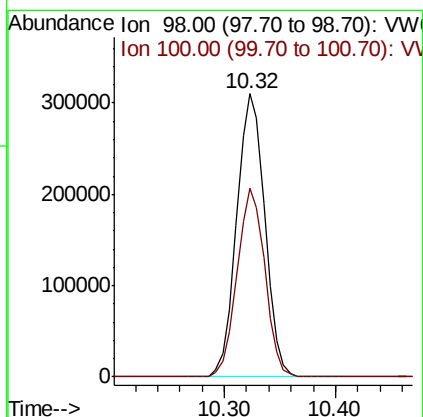
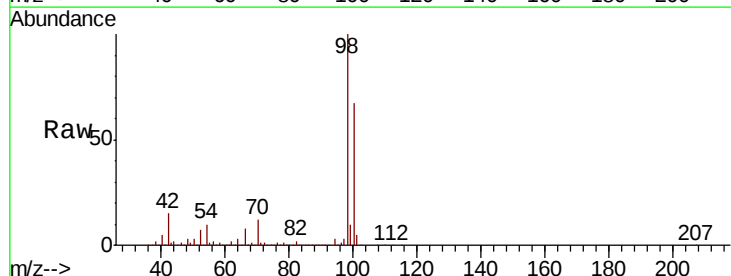
Instrument :
MSVOA_W
ClientSampleId :
CL-02-030819-A

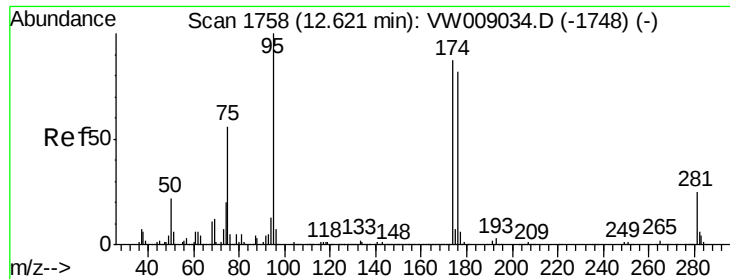
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 218.5 29.0 43.4#
58 33.8 59.2 88.8#



#50
Toluene-d8
Concen: 48.585 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009095.D
Acq: 11 Mar 2019 19:05

Tgt Ion: 98 Resp: 541794
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 39.174 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-A

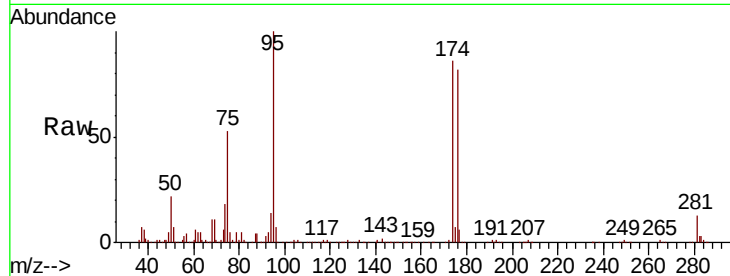
Tgt Ion: 95 Resp: 171972

Ion Ratio Lower Upper

95 100

174 86.1 0.0 167.0

176 81.9 0.0 159.4

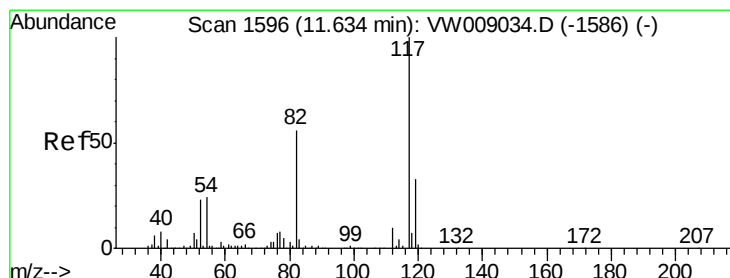
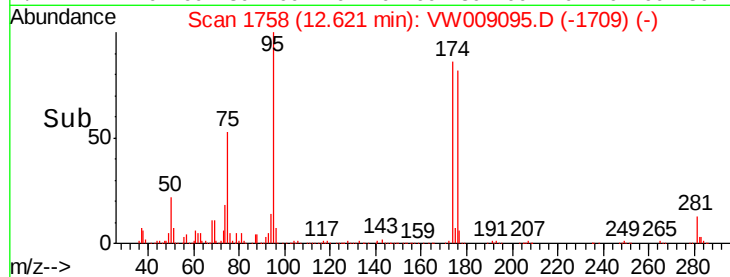
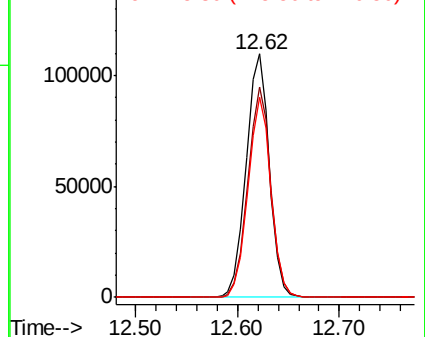


Abundance

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# 1596

Delta R.T. -0.00 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

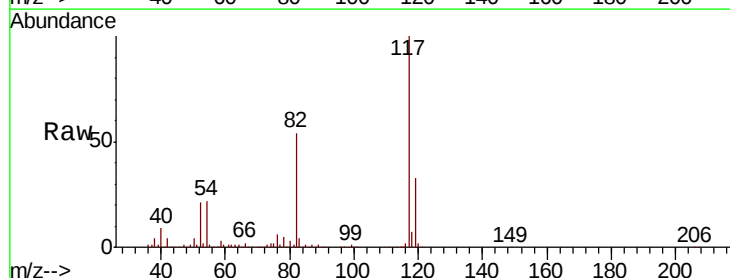
Tgt Ion: 117 Resp: 398207

Ion Ratio Lower Upper

117 100

82 53.9 45.0 67.6

119 32.7 26.6 39.8

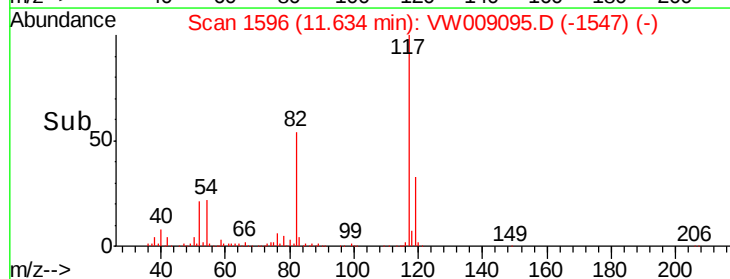
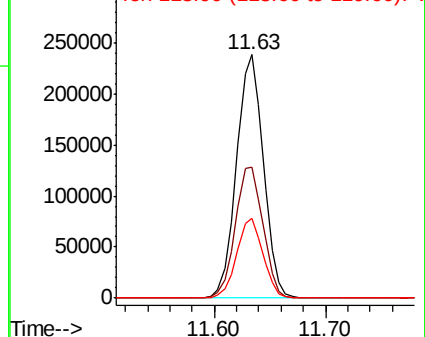


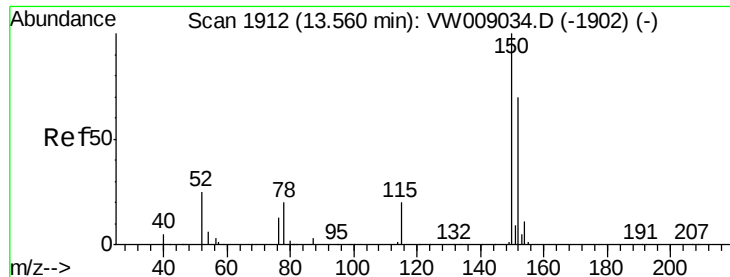
Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-A

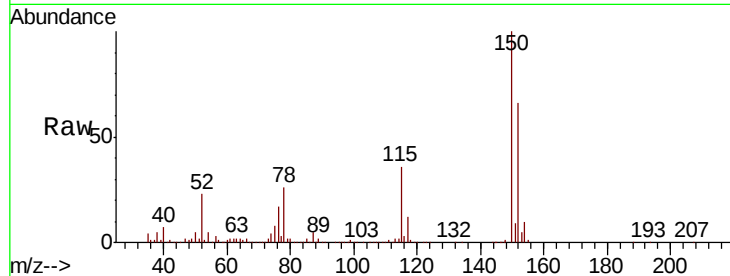
Tgt Ion:152 Resp: 164193

Ion Ratio Lower Upper

152 100

115 56.4 28.9 86.7

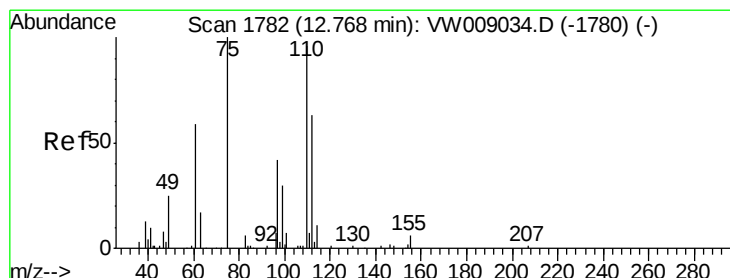
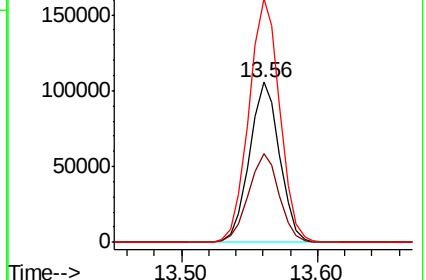
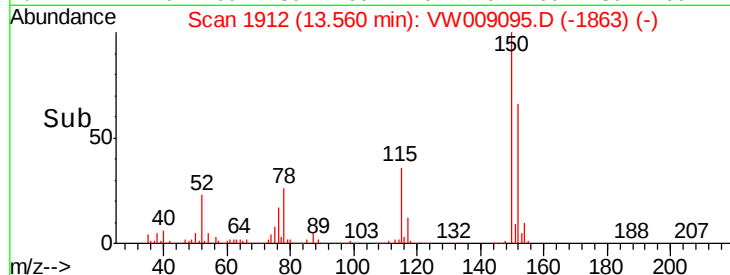
150 155.6 0.0 349.2



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: 71.357 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009095.D

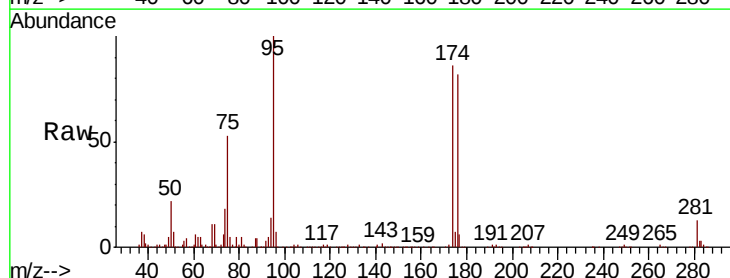
Acq: 11 Mar 2019 19:05

Tgt Ion: 75 Resp: 92568

Ion Ratio Lower Upper

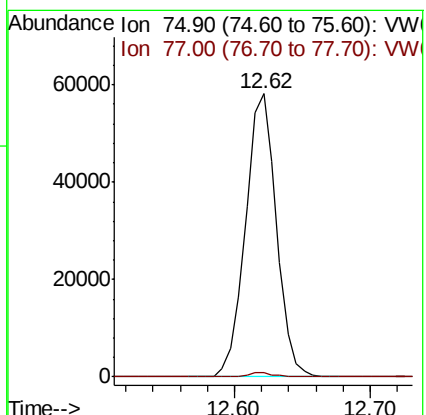
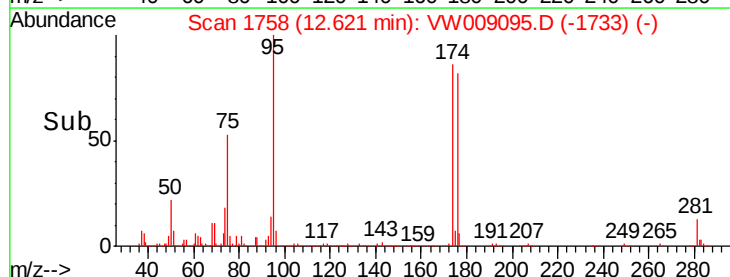
75 100

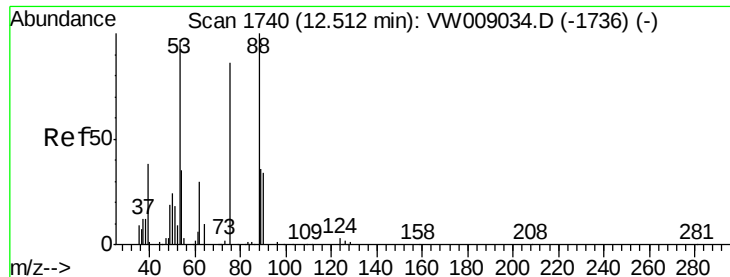
77 1.4 186.7 560.0#



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: 159.606 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009095.D

Acq: 11 Mar 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

CL-02-030819-A

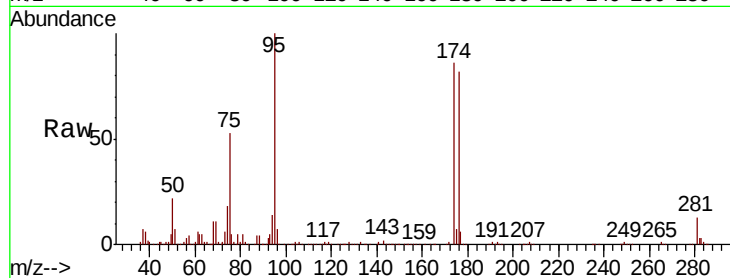
Tgt Ion: 75 Resp: 92568

Ion Ratio Lower Upper

75 100

53 0.5 90.5 135.7#

89 0.2 37.5 56.3#



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

