

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014568.D
 Acq On : 08 Jan 2020 19:00
 Operator : SY/VA
 Sample : L1056-09
 Misc : 9.21G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 00:56:29 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

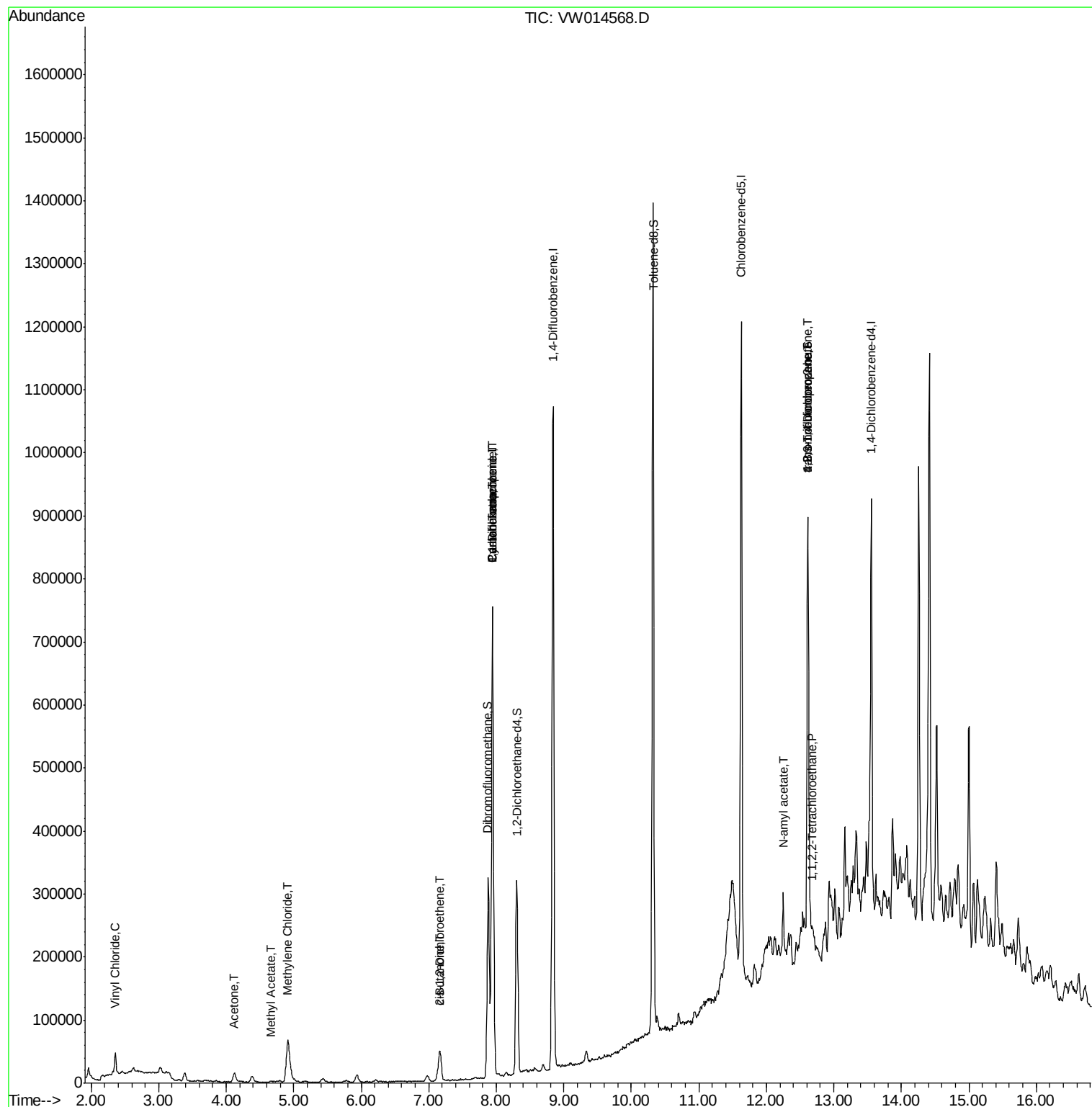
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	598773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	939722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	611044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	233536	44.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.22%	
35) Dibromofluoromethane	7.88	113	238332	44.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.76%	
50) Toluene-d8	10.32	98	900065	40.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.32%	
62) 4-Bromofluorobenzene	12.61	95	220041	28.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.88%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.35	62	24141	3.966	ug/l	100
11) Tert butyl alcohol	5.15	59	1752	Below Cal	#	86
16) Acetone	4.12	43	27458	18.575	ug/l	97
18) Methyl Acetate	4.67	43	3651	1.023	ug/l	91
20) Methylene Chloride	4.91	84	58885	5.860	ug/l	96
25) 2-Butanone	7.17	43	5302	2.795	ug/l #	84
27) cis-1,2-Dichloroethene	7.16	96	26494	3.985	ug/l	93
31) Cyclohexane	7.95	56	17274	1.546	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	41219	4.550	ug/l #	50
38) Carbon Tetrachloride	7.94	117	52280	6.652	ug/l #	16
74) N-amyl acetate	12.25	43	21567	7.501	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.68	83	5414	2.339	ug/l #	26
76) 1,2,3-Trichloropropane	12.61	75	90373	54.692	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	90373	121.856	ug/l #	19

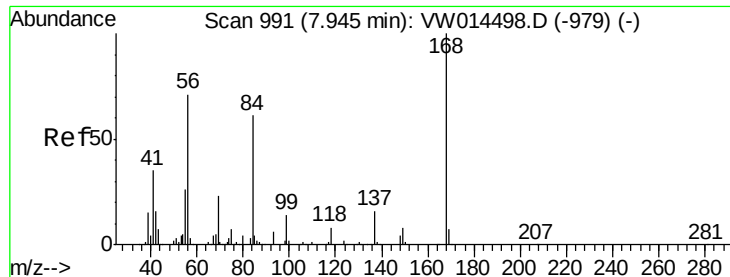
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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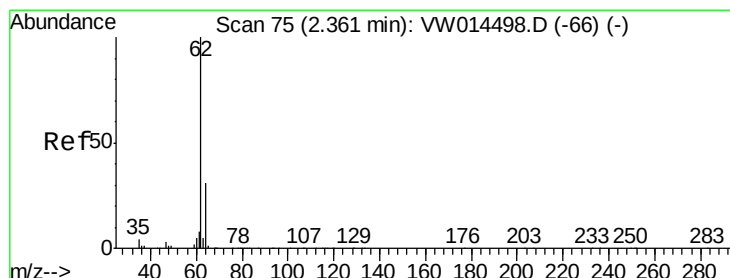
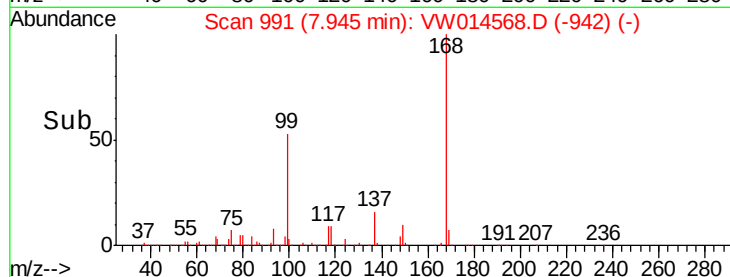
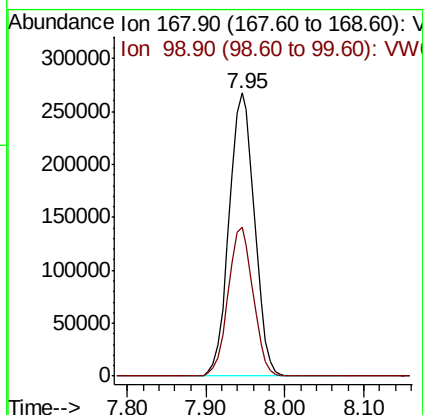
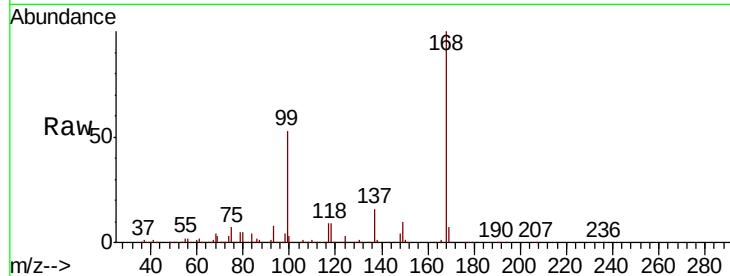




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

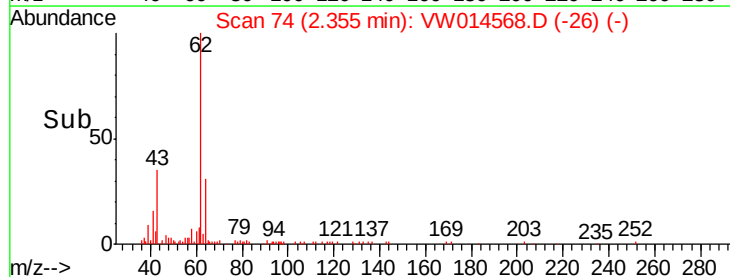
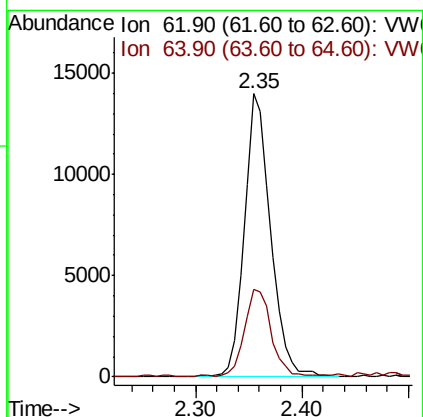
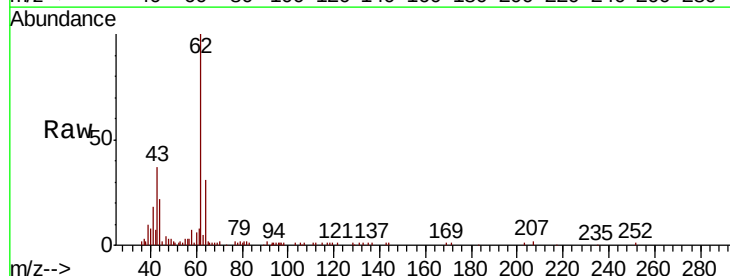
Instrument :
MSVOA_W
ClientSampleId :

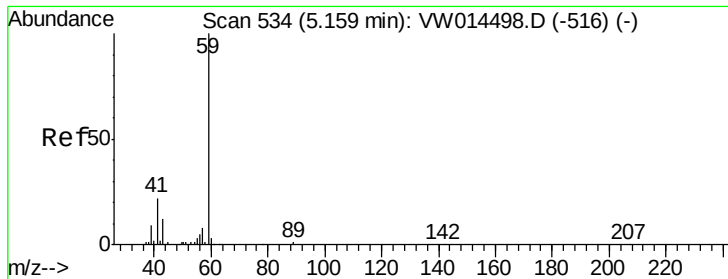
Tot Ion:168 Resp: 598773
Ion Ratio Lower Upper
168 100
99 52.7 41.1 61.7



#4
Vinyl Chloride
Concen: 3.966 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

Tgt Ion: 62 Resp: 24141
Ion Ratio Lower Upper
62 100
64 31.0 25.0 37.4



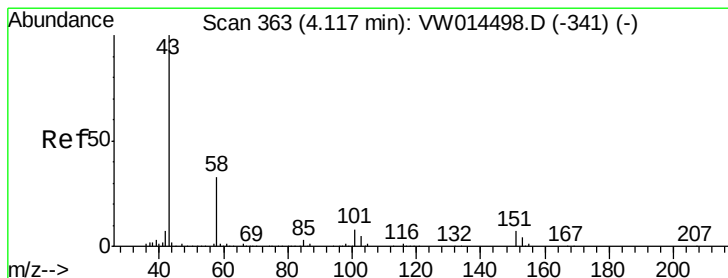
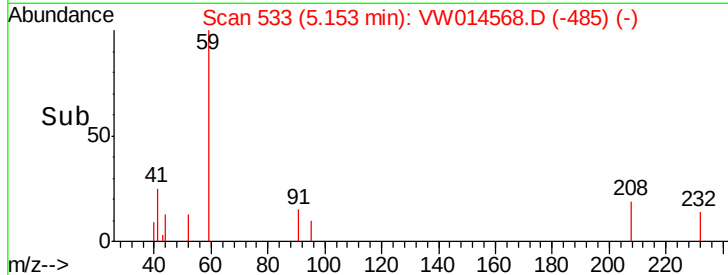
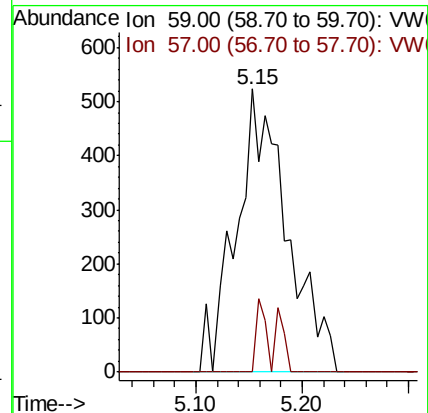
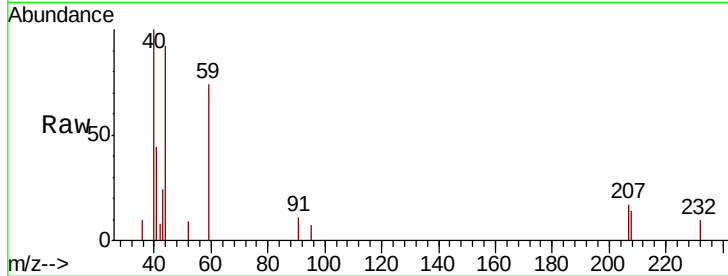


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

Instrument :
 MSVOA_W
 ClientSampleId :

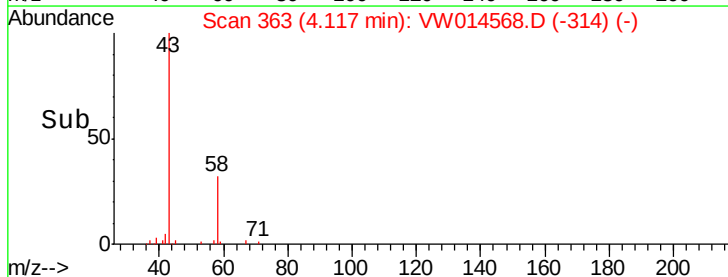
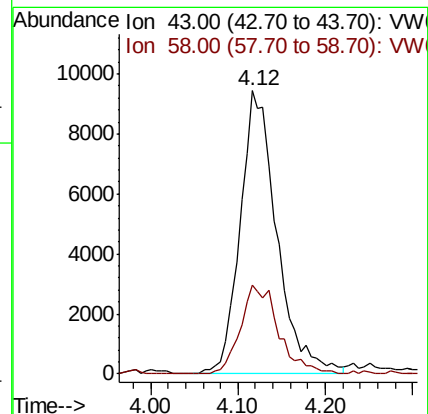
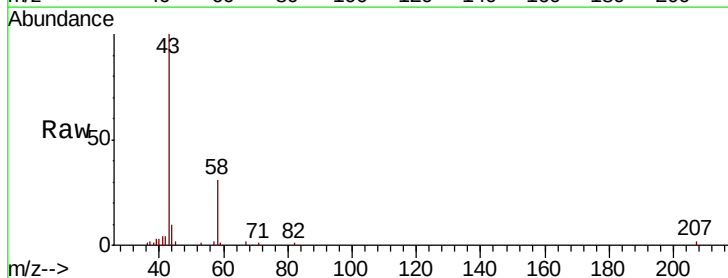
Tot Ion: 59 Resp: 1752
 Ion Ratio Lower Upper
 59 100
 57 4.8 7.8 11.8#

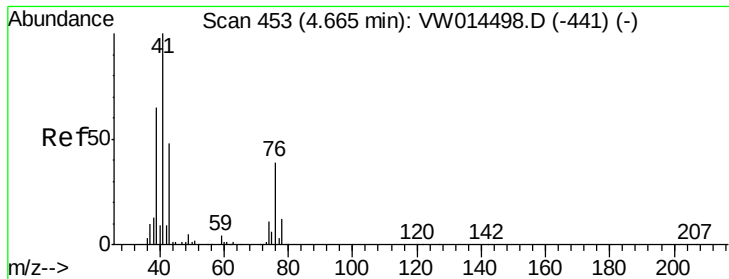


#16

Acetone
 Concen: 18.575 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

Tgt Ion: 43 Resp: 27458
 Ion Ratio Lower Upper
 43 100
 58 31.3 26.6 39.8

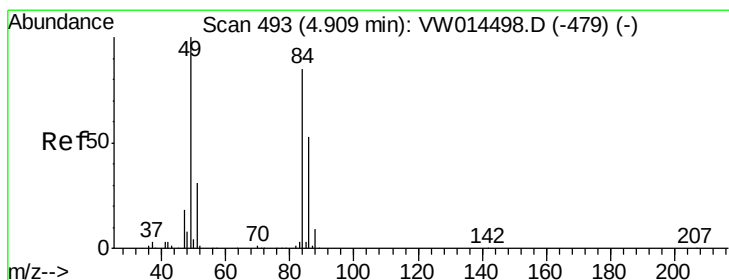
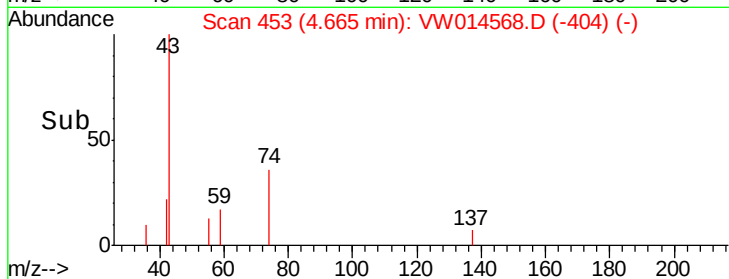
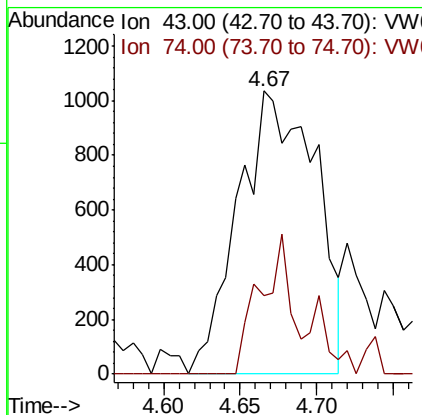
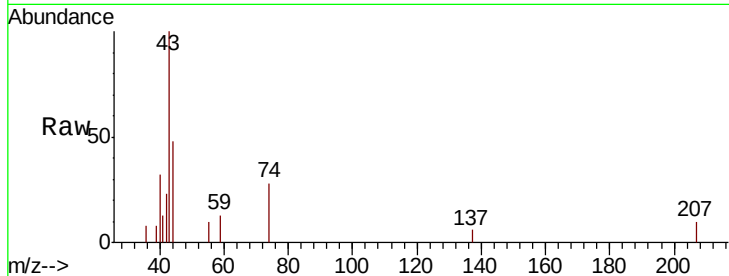




#18
Methyl Acetate
Concen: 1.023 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

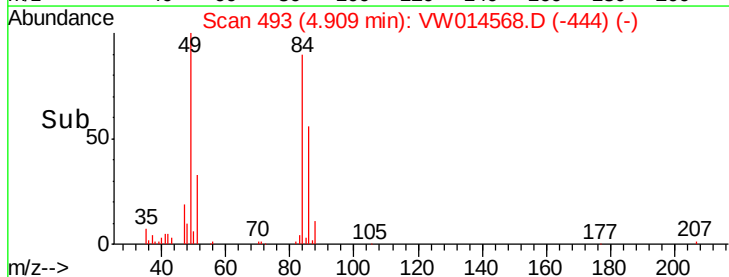
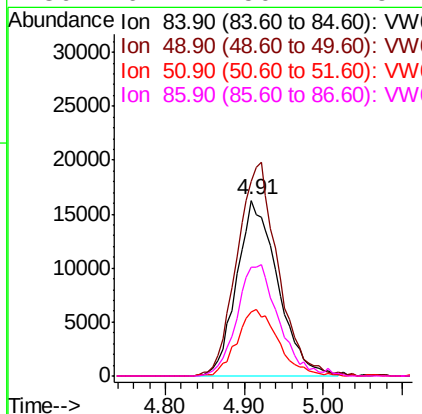
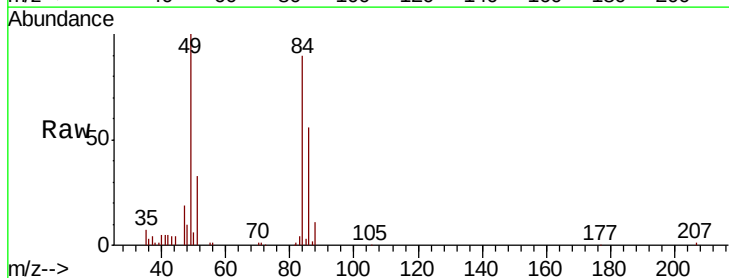
Instrument :
MSVOA_W
ClientSampled :

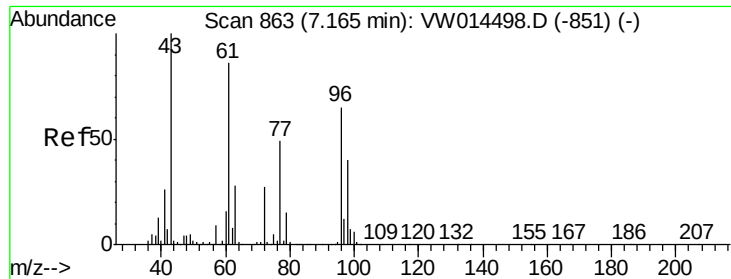
Tot Ion: 43 Resp: 3651
Ion Ratio Lower Upper
43 100
74 19.7 19.3 28.9



#20
Methylene Chloride
Concen: 5.860 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

Tgt Ion: 84 Resp: 58885
Ion Ratio Lower Upper
84 100
49 111.2 94.4 141.6
51 36.5 29.5 44.3
86 61.7 50.2 75.2





#25

2-Butanone

Concen: 2.795 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

Instrument :

MSVOA_W

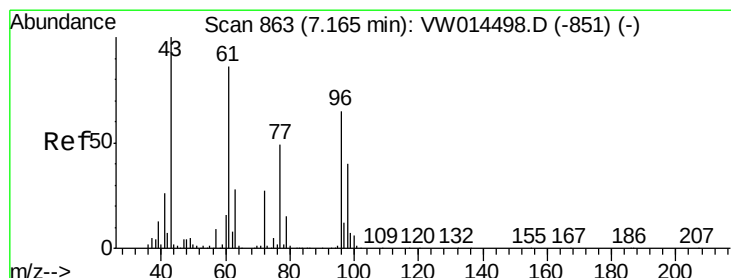
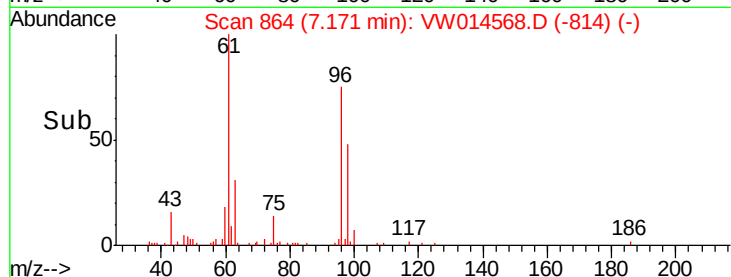
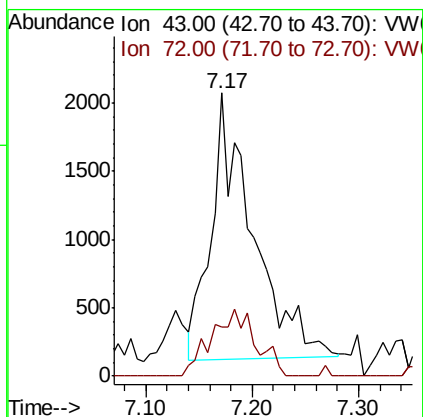
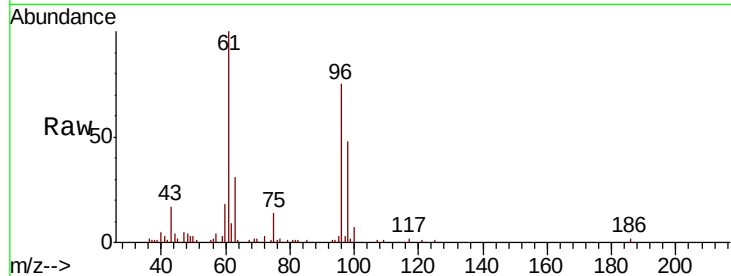
ClientSampled :

Tot Ion: 43 Resp: 5302

Ion Ratio Lower Upper

43 100

72 19.0 21.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 3.985 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

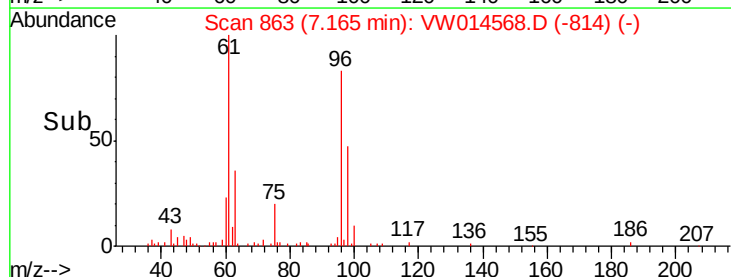
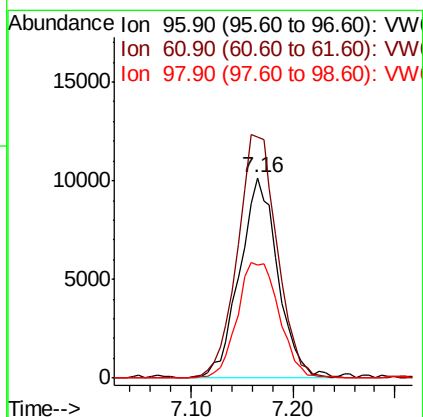
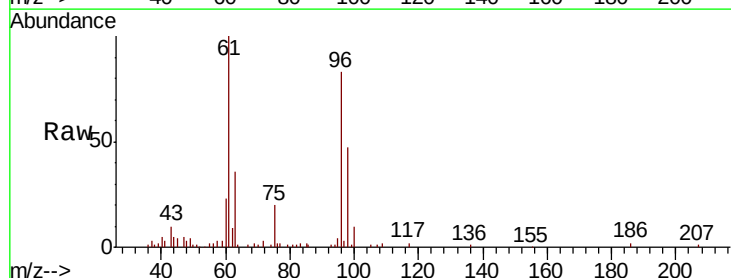
Tgt Ion: 96 Resp: 26494

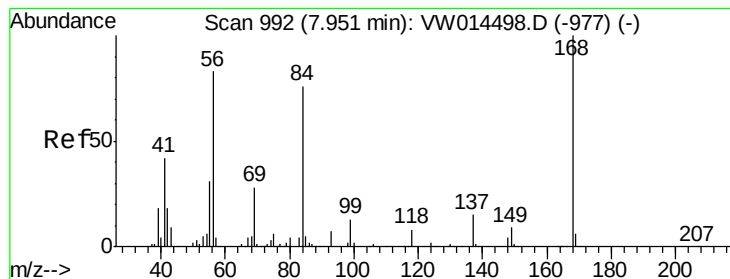
Ion Ratio Lower Upper

96 100

61 125.9 0.0 274.8

98 63.2 0.0 128.6





#31

Cyclohexane

Concen: 1.546 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

Instrument :

MSVOA_W

ClientSampled :

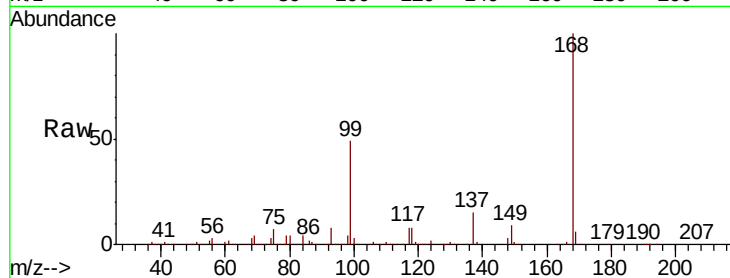
Tot Ion: 56 Resp: 17274

Ion Ratio Lower Upper

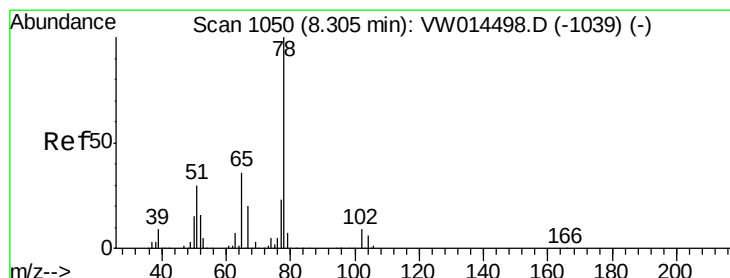
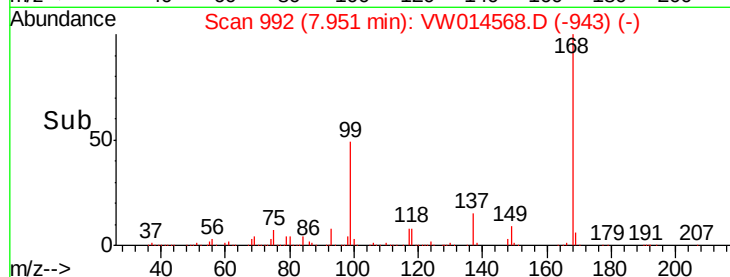
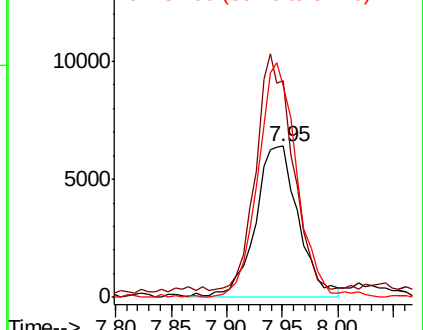
56 100

69 137.6 26.8 40.2#

84 139.1 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: 44.609 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW014568.D

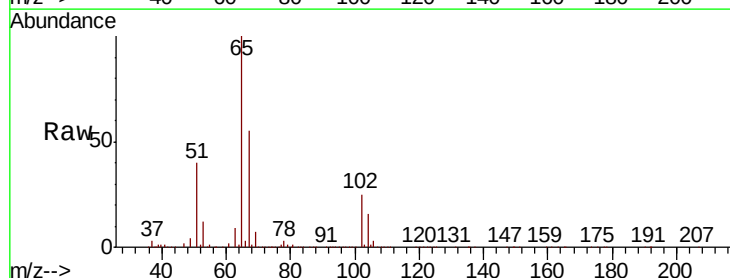
Acq: 08 Jan 2020 19:00

Tgt Ion: 65 Resp: 233536

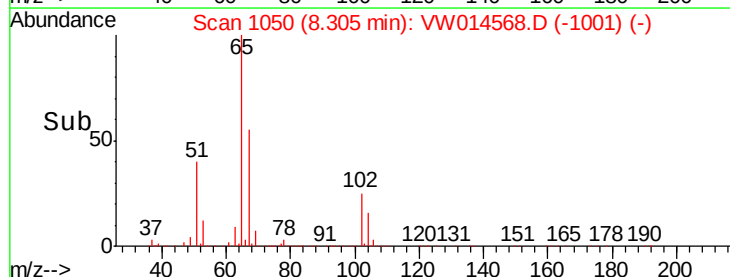
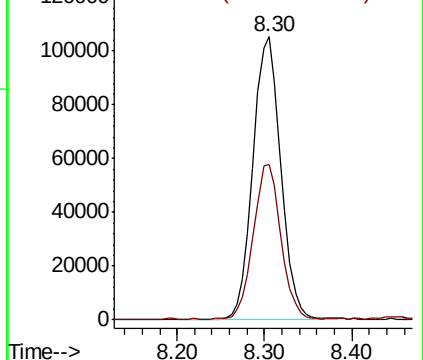
Ion Ratio Lower Upper

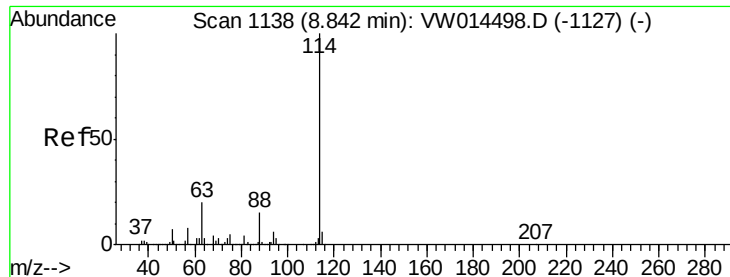
65 100

67 54.0 0.0 108.4



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

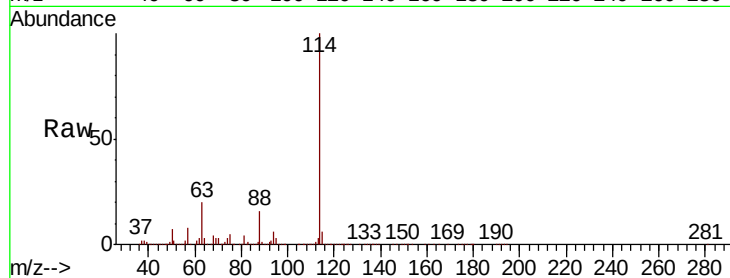




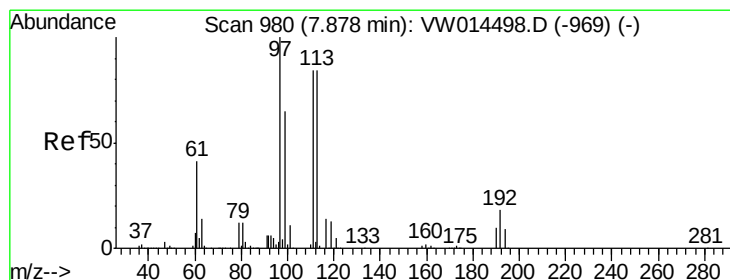
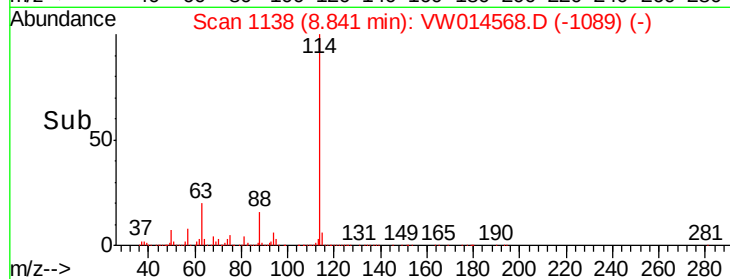
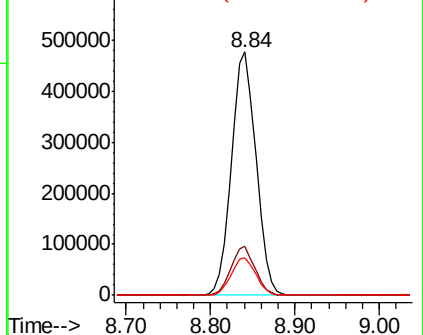
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 939722
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.4
 88 15.5 0.0 30.6

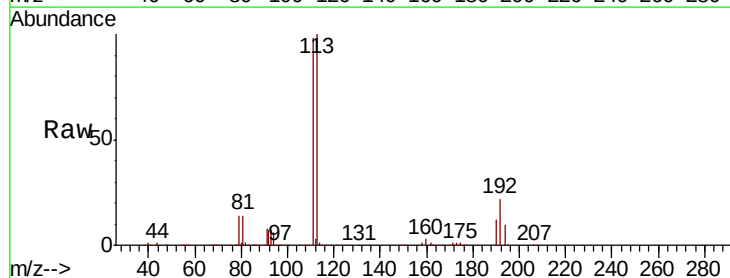


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

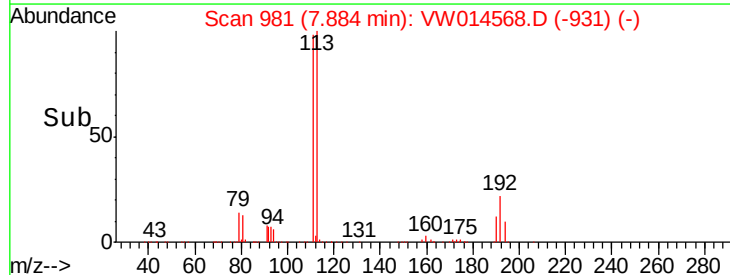
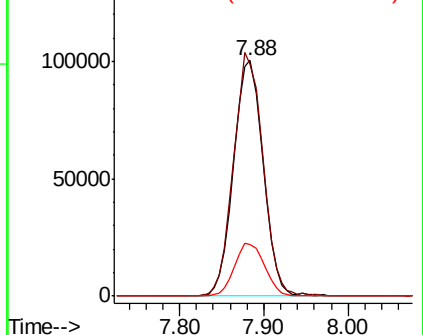


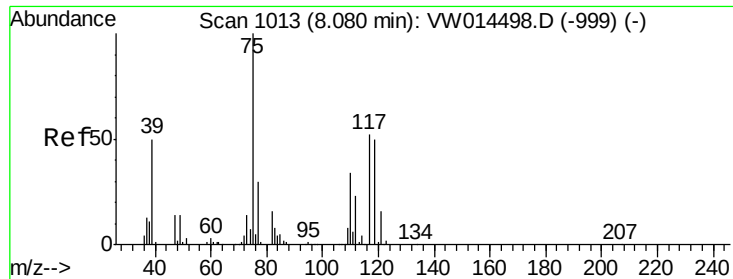
#35
 Dibromofluoromethane
 Concen: 44.377 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

Tgt Ion:113 Resp: 238332
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.4 122.2
 192 22.7 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

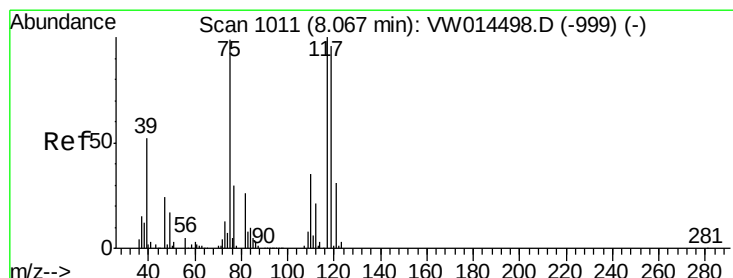
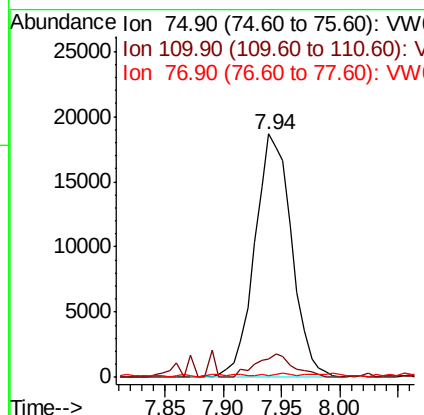
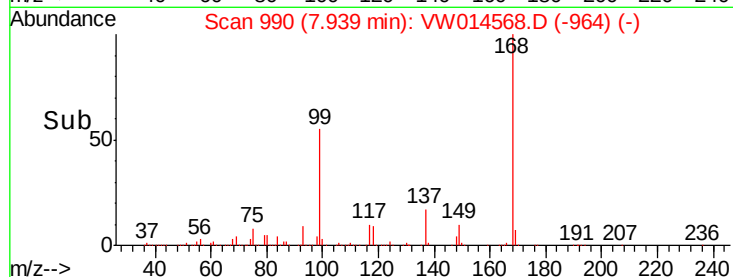
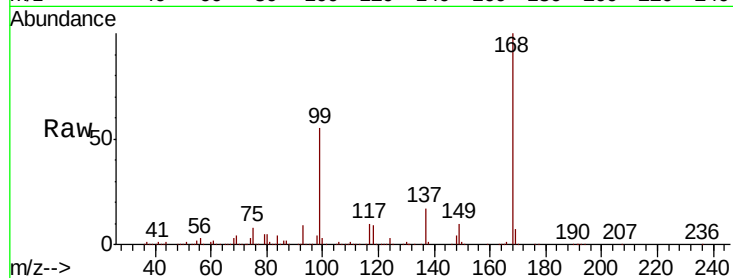




#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

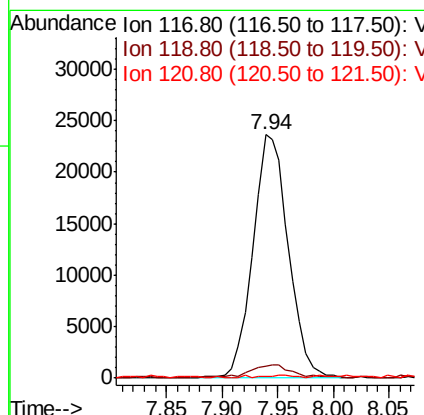
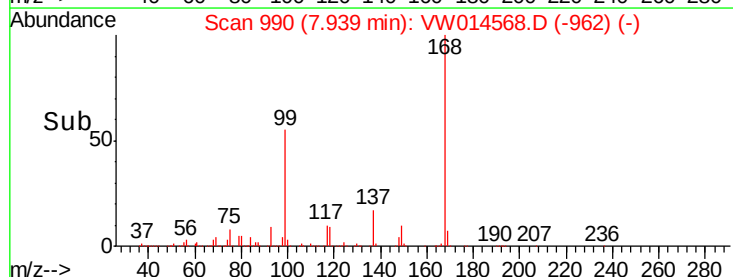
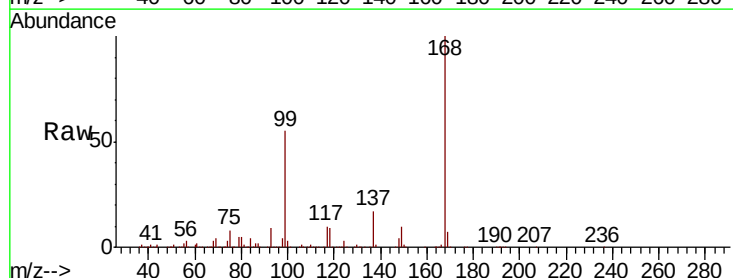
Instrument :
 MSVOA_W
 ClientSampleId :

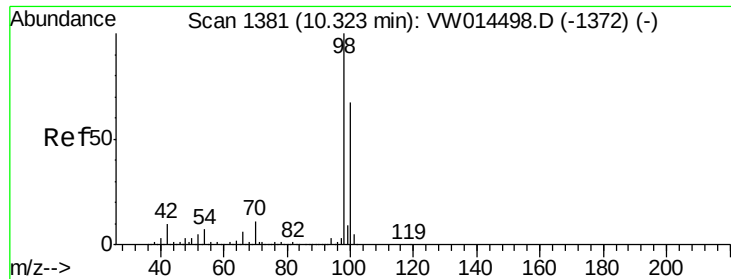
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.8	53.5#
77	0.6	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.652 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW014568.D
 Acq: 08 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.0	115.6#
121	0.2	24.6	36.8#





#50

Toluene-d8

Concen: 40.158 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

Instrument :

MSVOA_W

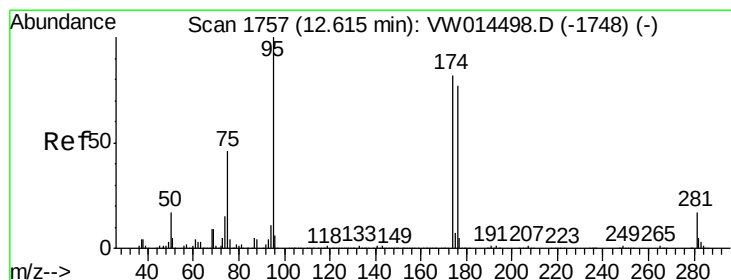
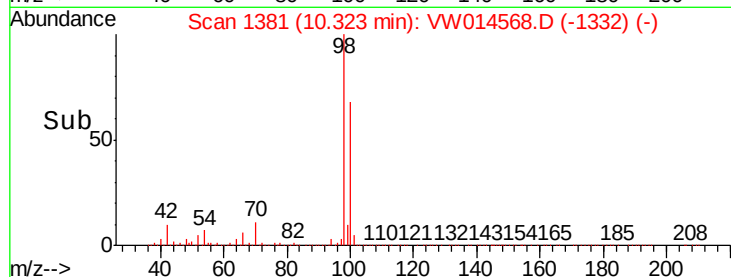
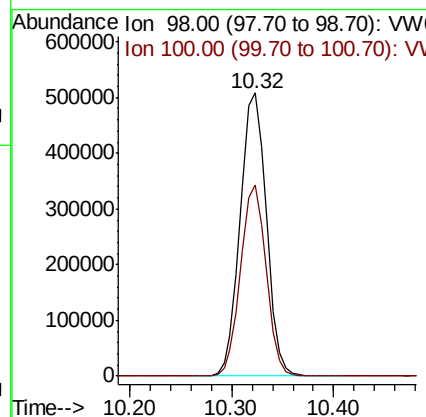
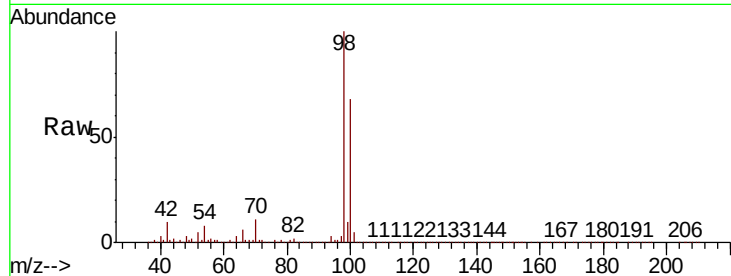
ClientSampleId :

Tot Ion: 98 Resp: 900065

Ion Ratio Lower Upper

98 100

100 66.2 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 28.944 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

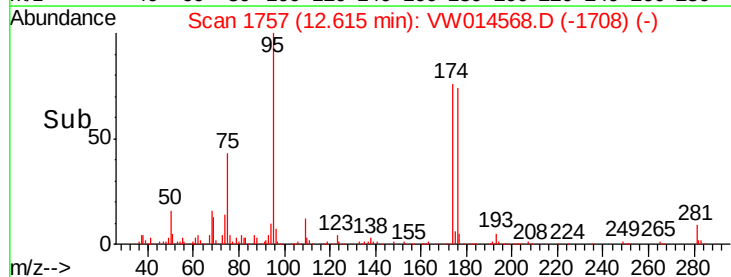
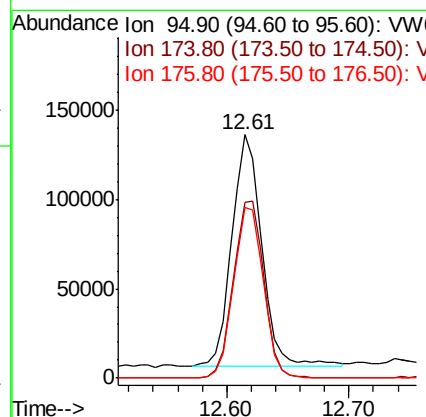
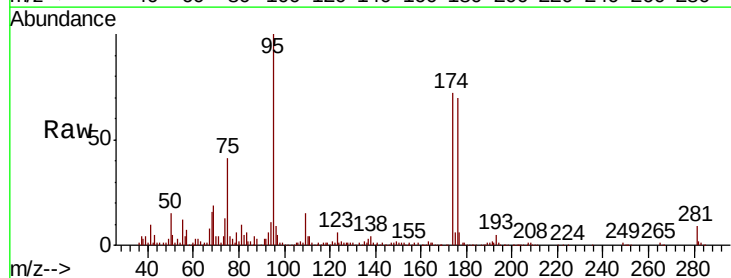
Tgt Ion: 95 Resp: 220041

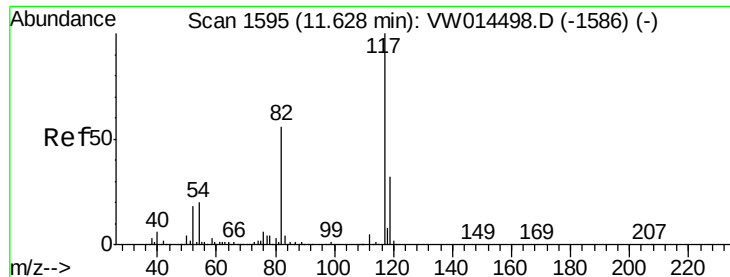
Ion Ratio Lower Upper

95 100

174 77.5 0.0 168.6

176 72.7 0.0 162.0

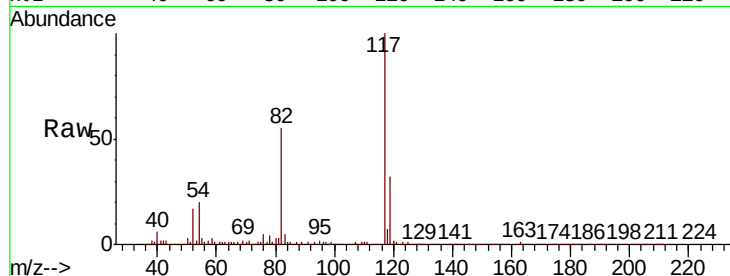




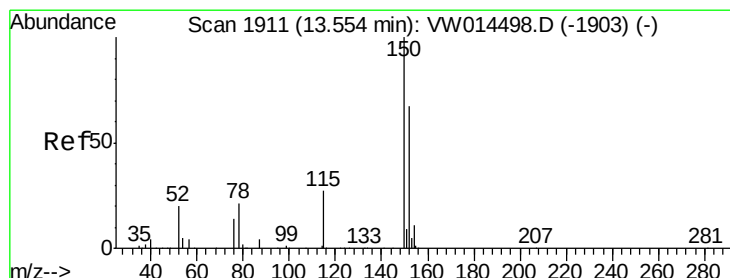
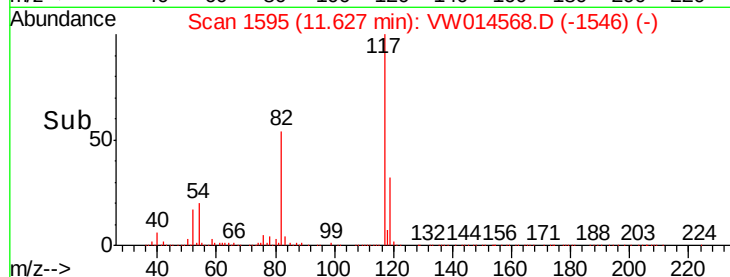
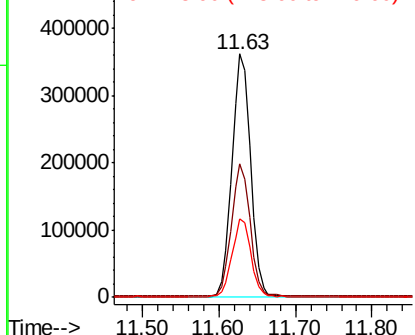
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 611044
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 31.8 25.7 38.5

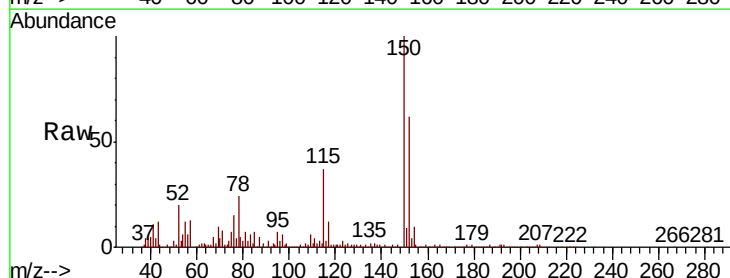


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

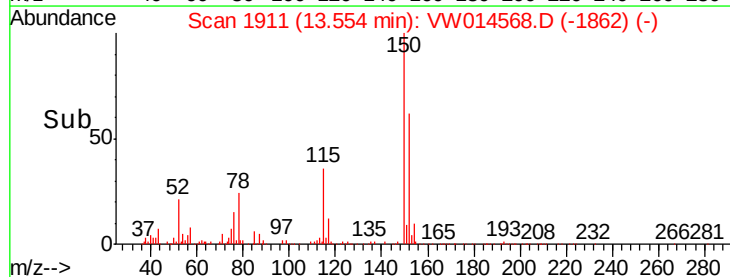
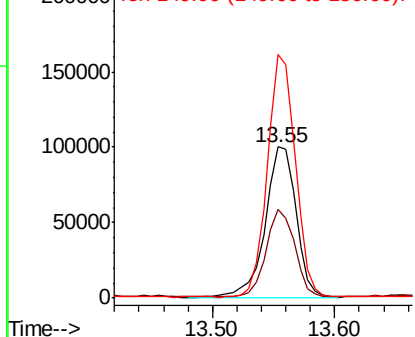


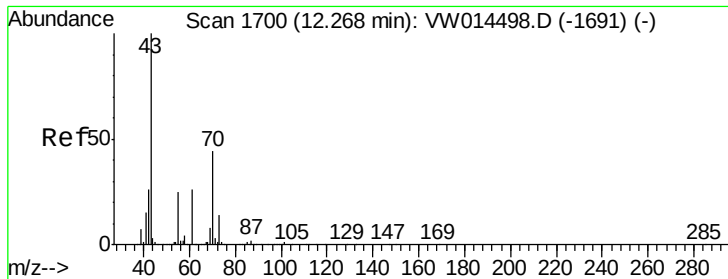
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014568.D
Acq: 08 Jan 2020 19:00

Tgt Ion:152 Resp: 174768
Ion Ratio Lower Upper
152 100
115 53.9 27.7 83.1
150 146.3 0.0 343.4



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





#74

N-amvl acetate

Concen: 7.501 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 21567

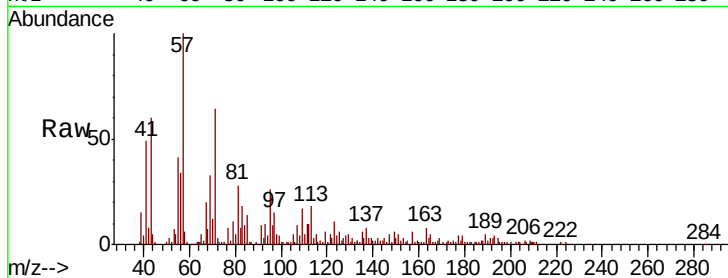
Ion Ratio Lower Upper

43 100

70 19.5 36.5 54.7#

55 32.9 20.9 31.3#

61 0.4 20.7 31.1#

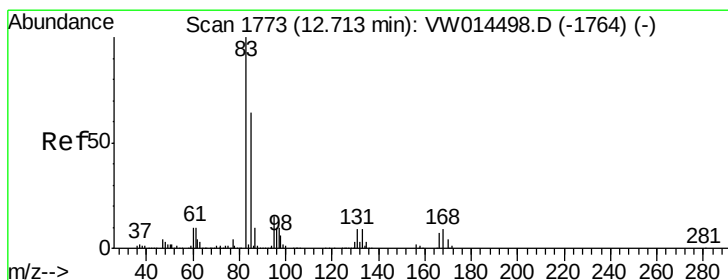
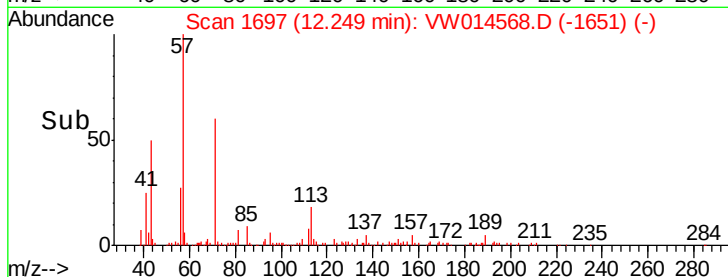
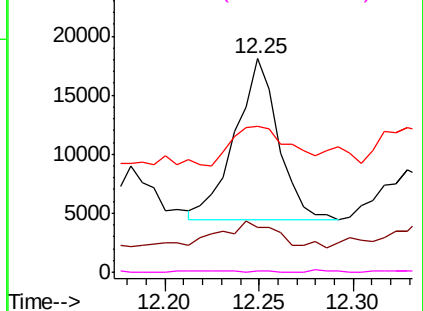


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 2.339 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

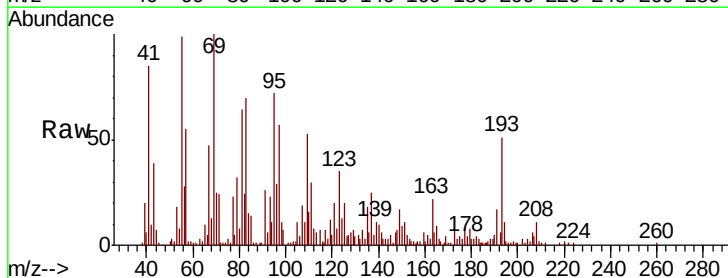
Tgt Ion: 83 Resp: 5414

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

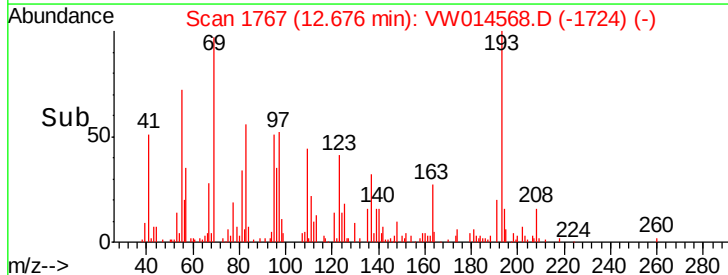
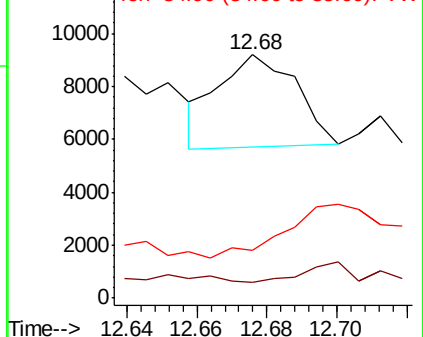
85 0.0 31.9 95.7#

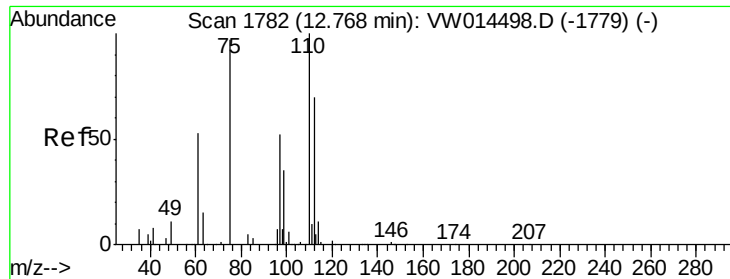


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 54.692 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

Instrument :

MSVOA_W

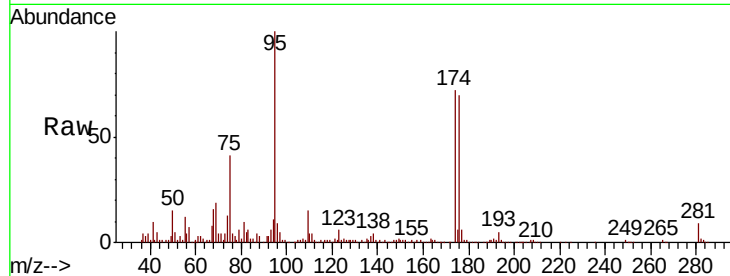
ClientSampleId :

Tot Ion: 75 Resp: 90373

Ion Ratio Lower Upper

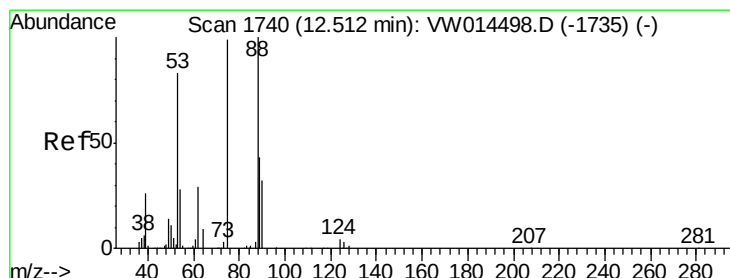
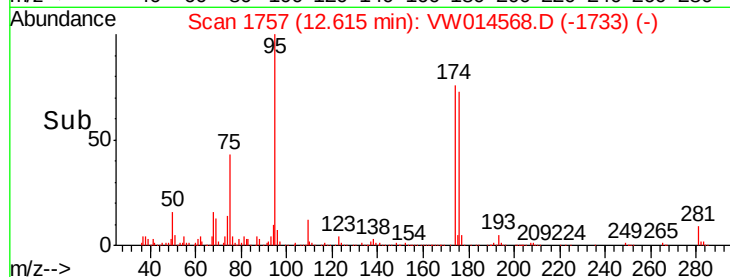
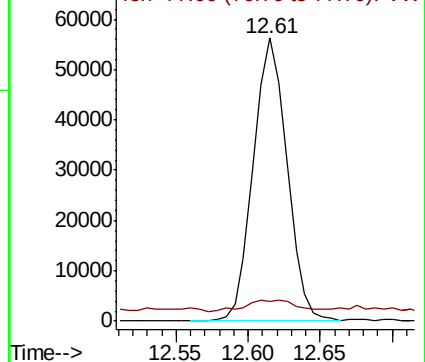
75 100

77 5.5 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: 121.856 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014568.D

Acq: 08 Jan 2020 19:00

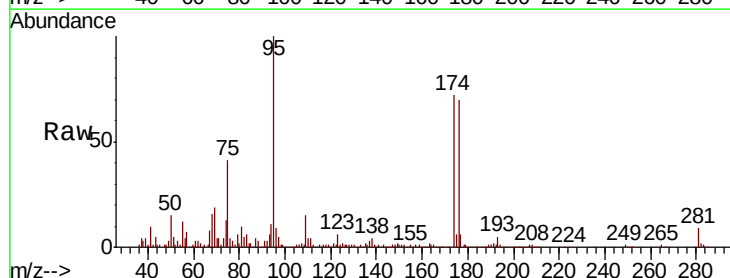
Tgt Ion: 75 Resp: 90373

Ion Ratio Lower Upper

75 100

53 6.9 70.9 106.3#

89 0.2 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

