

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013400.D
 Acq On : 03 Oct 2019 02:27
 Operator : SY/VA
 Sample : VW1002SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 08:03:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

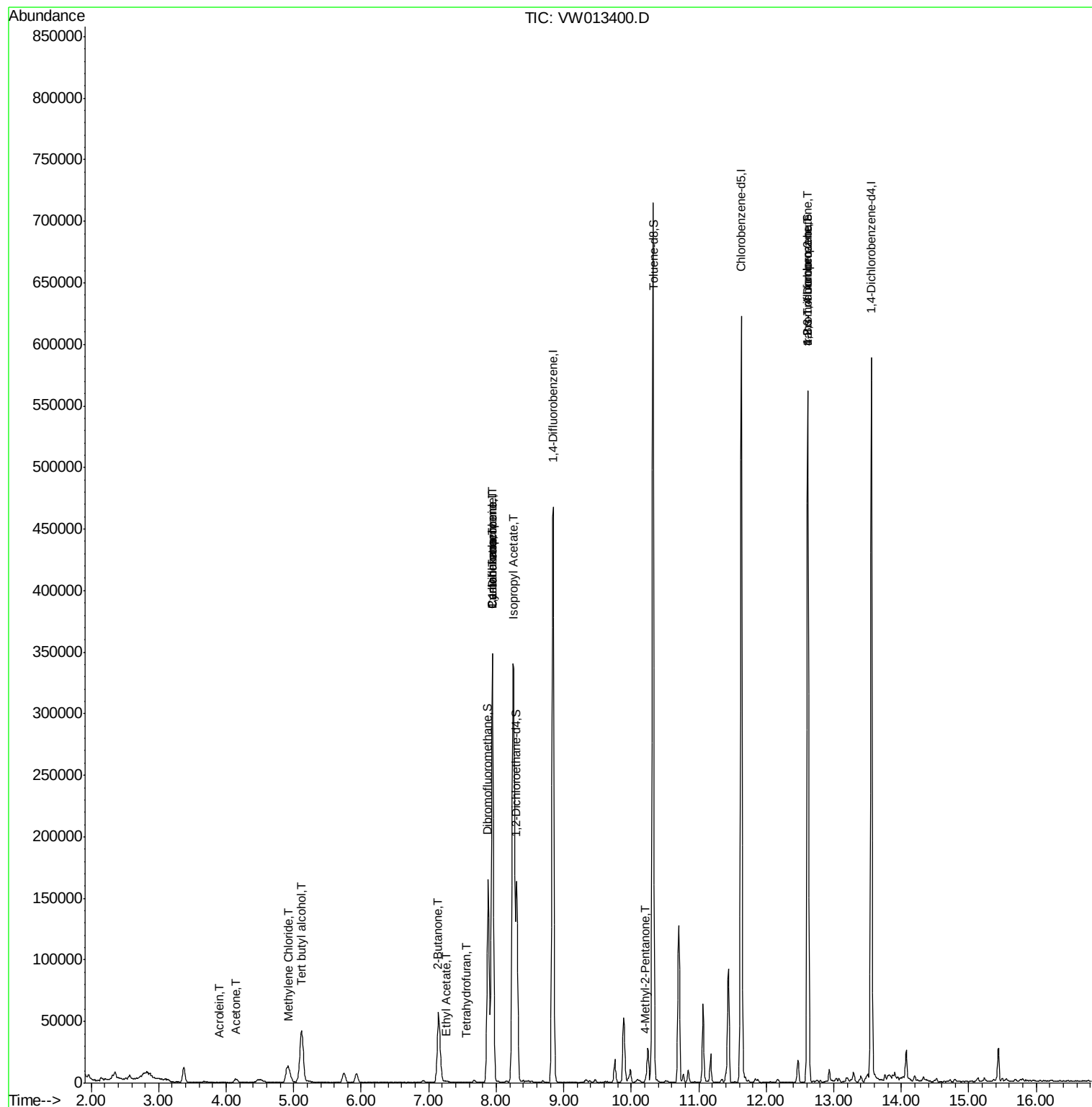
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	168605	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	124039	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	7.88	113	120459	53.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.32%	
50) Toluene-d8	10.32	98	497153	53.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	163237	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.12	59	40074	218.161	ug/l #	77
13) Acrolein	3.90	56	119	11.088	ug/l #	36
16) Acetone	4.15	43	6633	9.804	ug/l	91
20) Methylene Chloride	4.92	84	11239	2.270	ug/l	91
25) 2-Butanone	7.13	43	3587	4.143	ug/l #	78
26) 2,2-Dichloropropane	7.14	77	4250	Below Cal	#	52
29) Tetrahydrofuran	7.56	42	47	9.783	ug/l #	34
31) Cyclohexane	7.94	56	5223	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19061	4.797	ug/l #	48
37) Ethyl Acetate	7.25	43	1676	1.103	ug/l #	84
38) Carbon Tetrachloride	7.94	117	24584	7.142	ug/l #	18
43) Isopropyl Acetate	8.24	43	7688	2.329	ug/l #	34
51) 4-Methyl-2-Pentanone	10.21	43	2081	1.200	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	75296	50.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75296	102.075	ug/l #	12

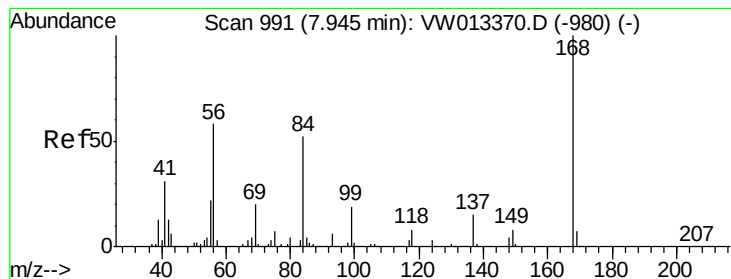
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
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Quant Title : SW846 8260
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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: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

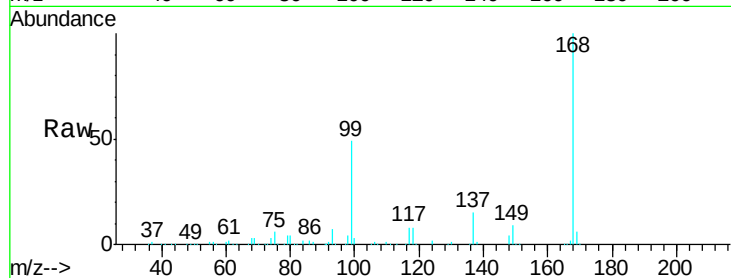
ClientSampleId :

Tgt Ion:168 Resp: 295611

Ion Ratio Lower Upper

168 100

99 49.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

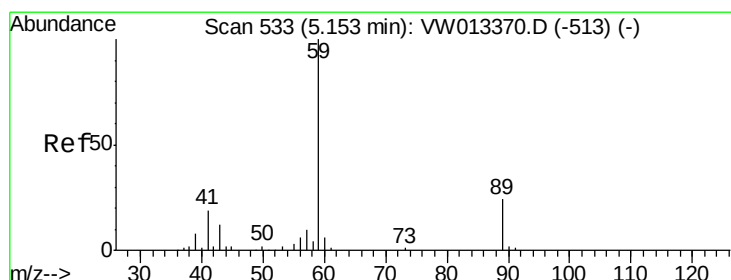
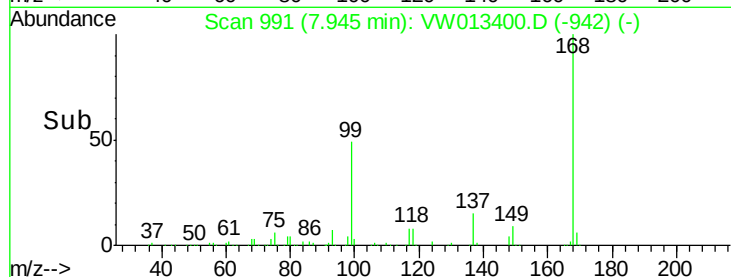
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 218.161 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013400.D

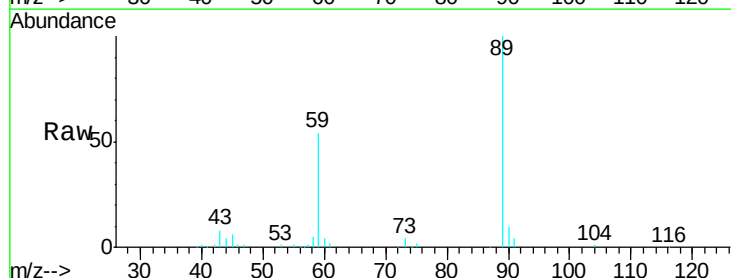
Acq: 03 Oct 2019 02:27

Tgt Ion: 59 Resp: 40074

Ion Ratio Lower Upper

59 100

57 1.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

12000

10000

8000

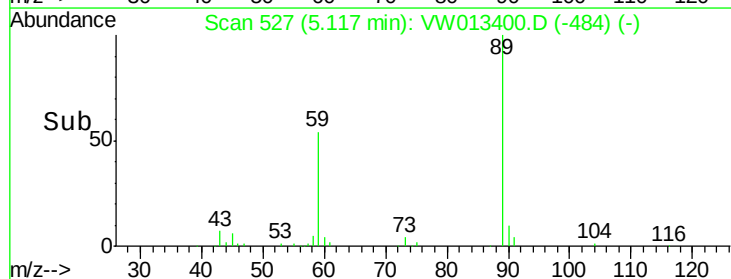
6000

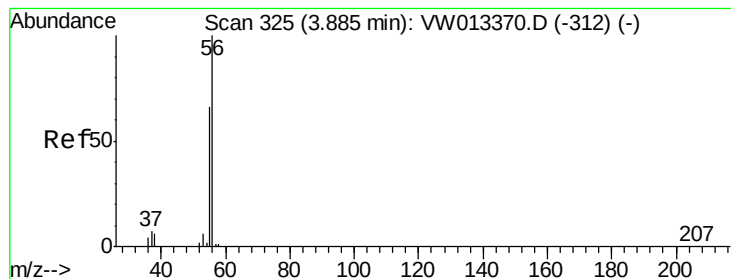
4000

2000

0

Time-->





#13

Acrolein

Concen: 11.088 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

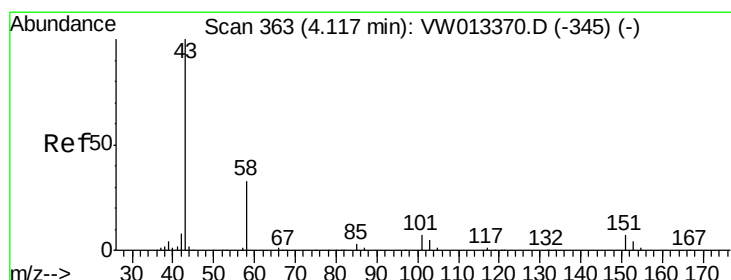
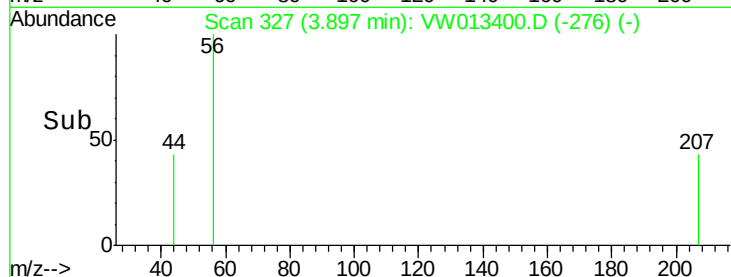
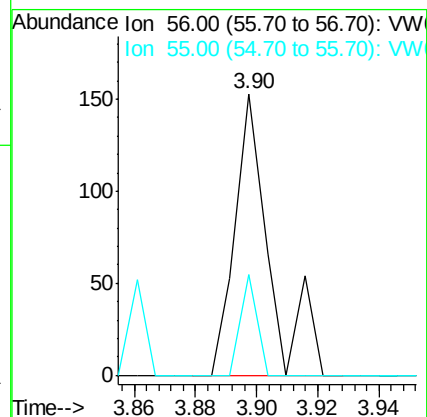
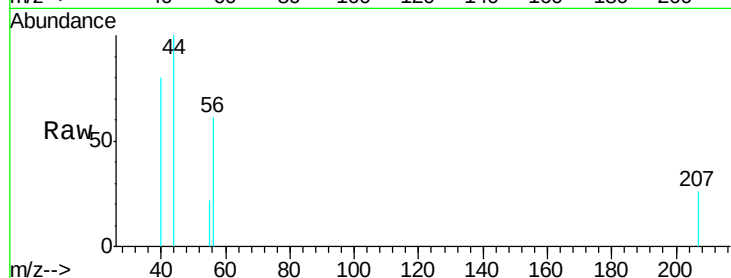
ClientSampleId :

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 16.8 55.4 83.0#



#16

Acetone

Concen: 9.804 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013400.D

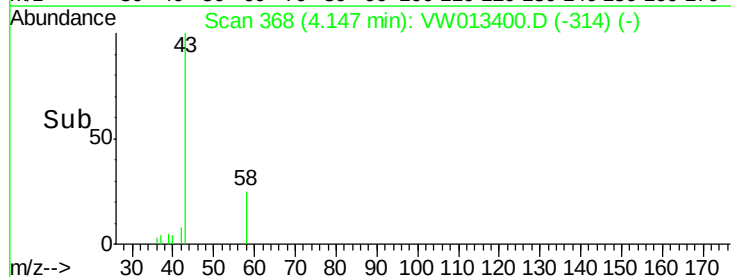
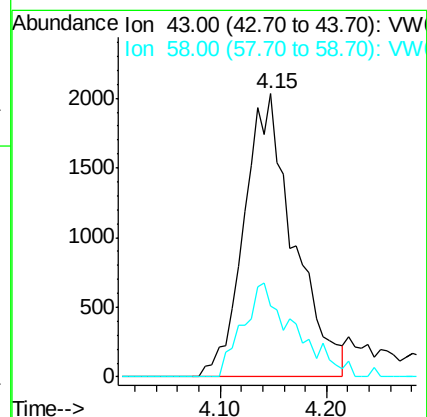
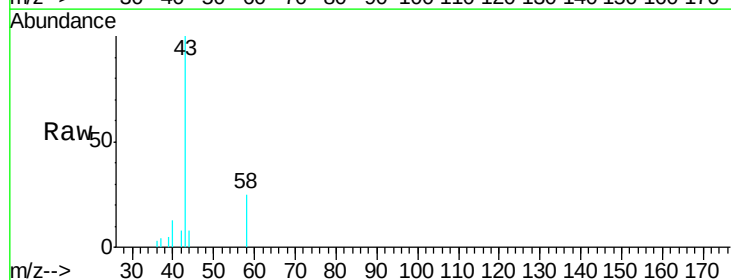
Acq: 03 Oct 2019 02:27

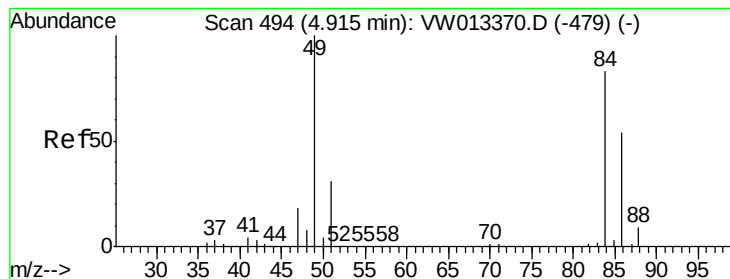
Tgt Ion: 43 Resp: 6633

Ion Ratio Lower Upper

43 100

58 25.1 24.1 36.1





#20

Methylene Chloride

Concen: 2.270 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

ClientSampled :

Tgt Ion: 84 Resp: 11239

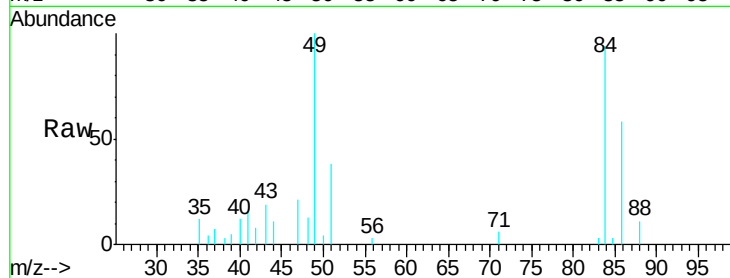
Ion Ratio Lower Upper

84 100

49 106.4 97.6 146.4

51 40.3 30.2 45.2

86 61.8 50.6 76.0



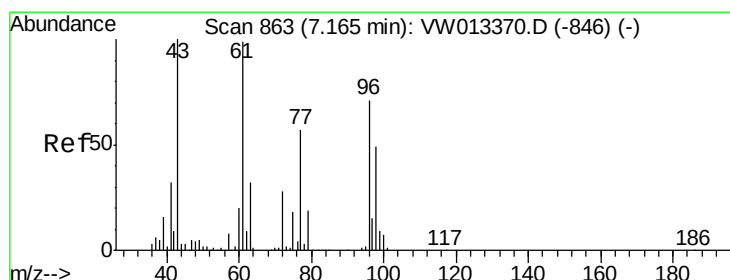
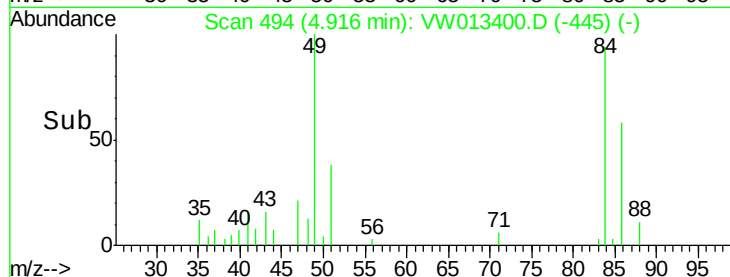
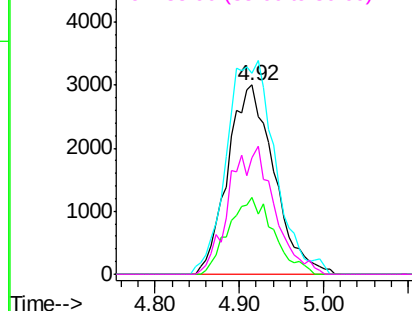
Abundance

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



#25

2-Butanone

Concen: 4.143 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW013400.D

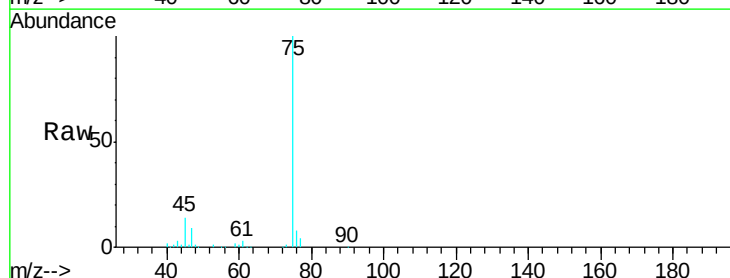
Acq: 03 Oct 2019 02:27

Tgt Ion: 43 Resp: 3587

Ion Ratio Lower Upper

43 100

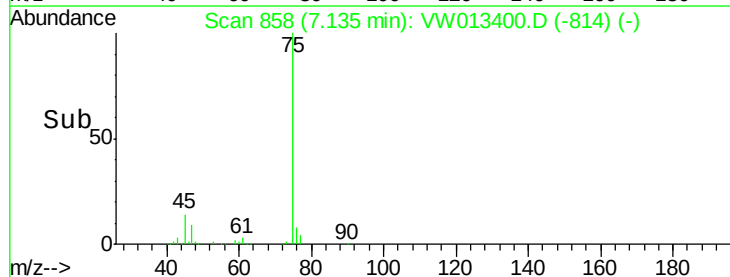
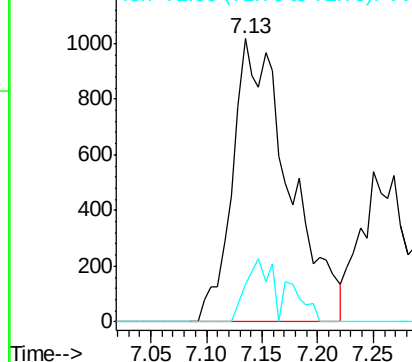
72 13.3 19.4 29.0#

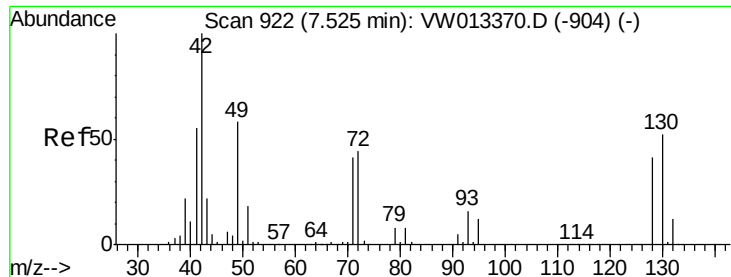


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 9.783 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.04 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

ClientSampleId :

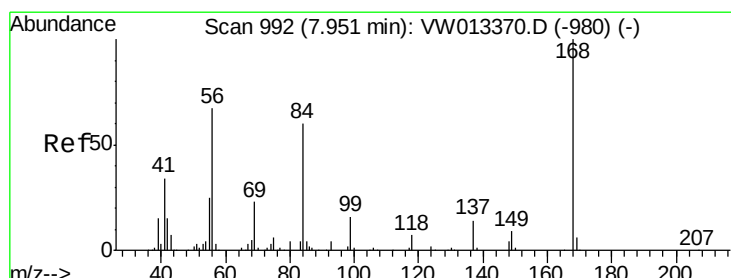
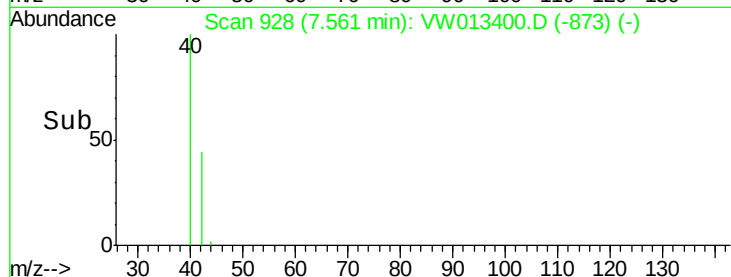
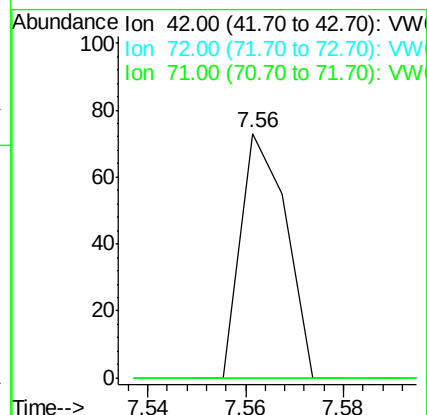
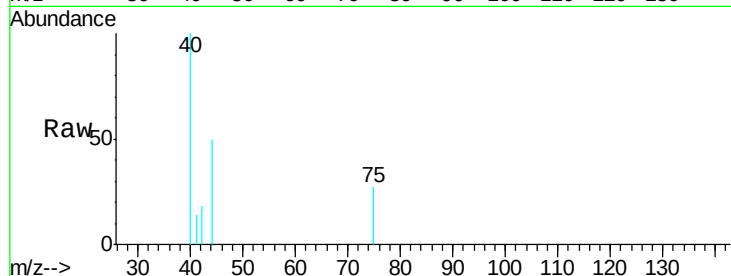
Tgt Ion: 42 Resp: 47

Ion Ratio Lower Upper

42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

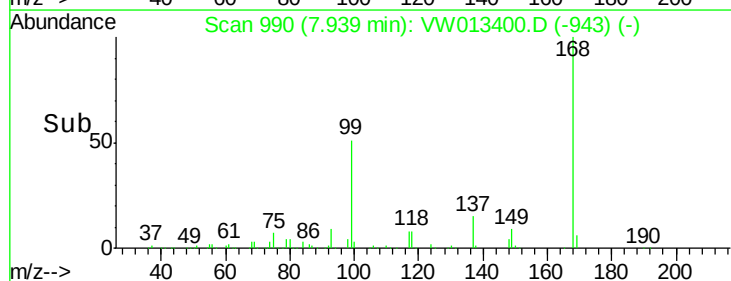
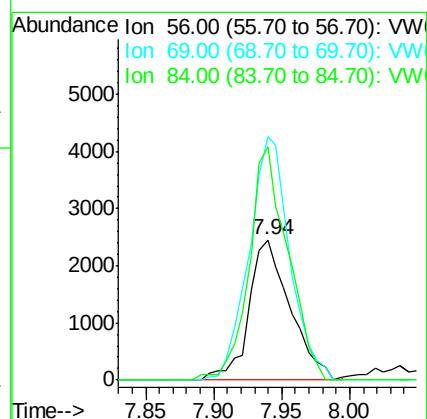
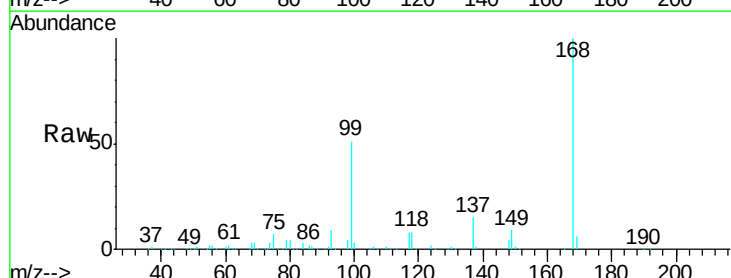
Tgt Ion: 56 Resp: 5223

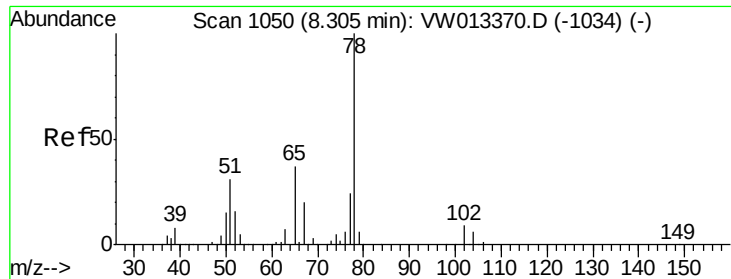
Ion Ratio Lower Upper

56 100

69 173.9 27.2 40.8#

84 166.4 70.8 106.2#

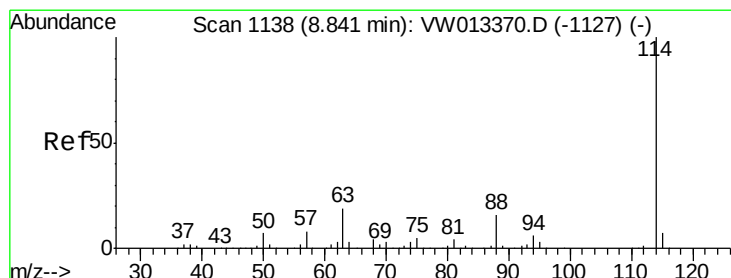
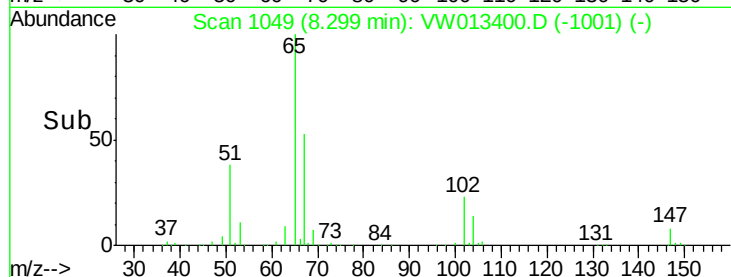
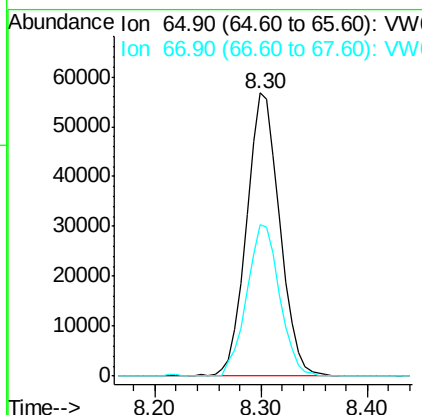
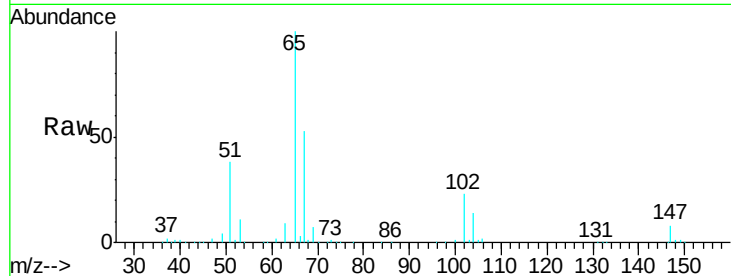




#33
 1,2-Dichloroethane-d4
 Concen: 56.196 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013400.D
 Acq: 03 Oct 2019 02:27

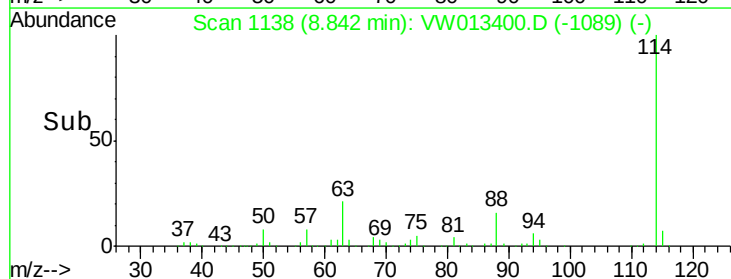
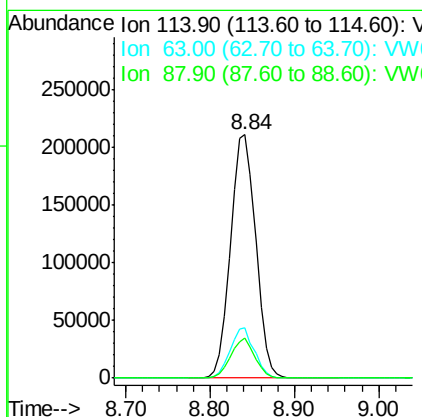
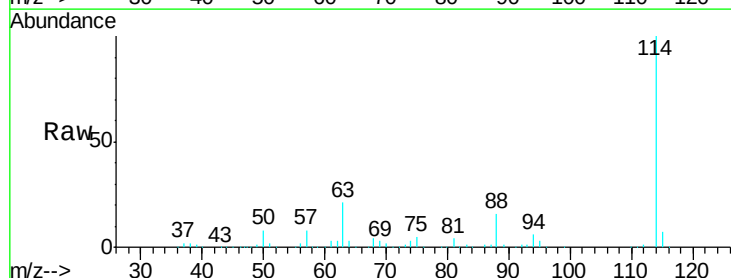
Instrument :
 MSVOA_W
 ClientSampled :

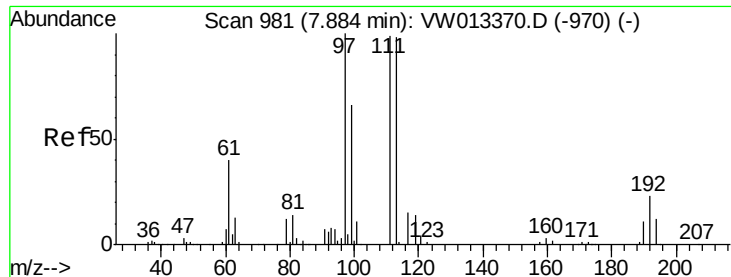
Tgt Ion: 65 Resp: 124039
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013400.D
 Acq: 03 Oct 2019 02:27

Tgt Ion: 114 Resp: 427818
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 16.5 0.0 32.0

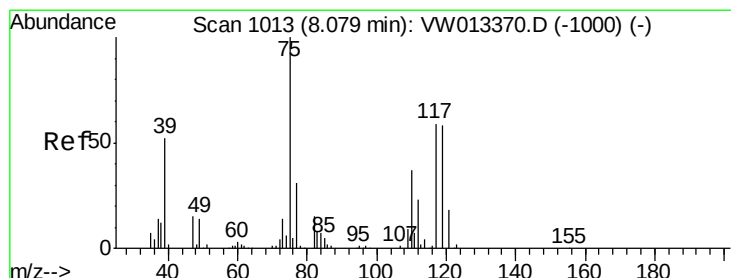
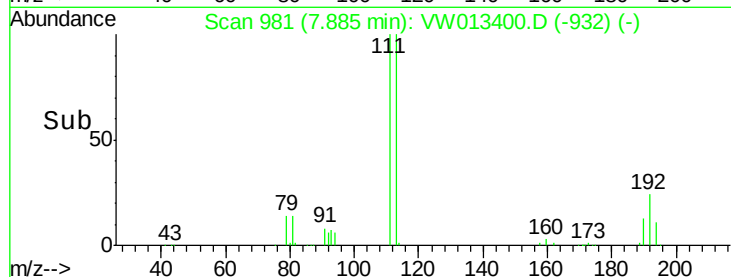
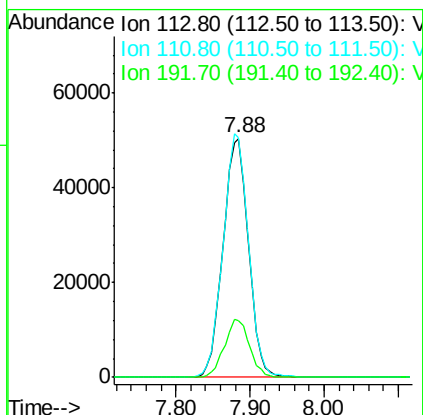
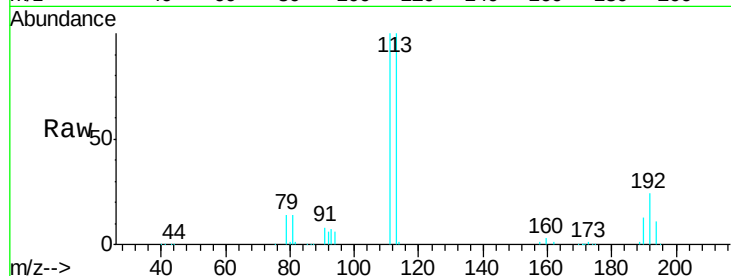




#35
 Dibromofluoromethane
 Concen: 53.660 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013400.D
 Acq: 03 Oct 2019 02:27

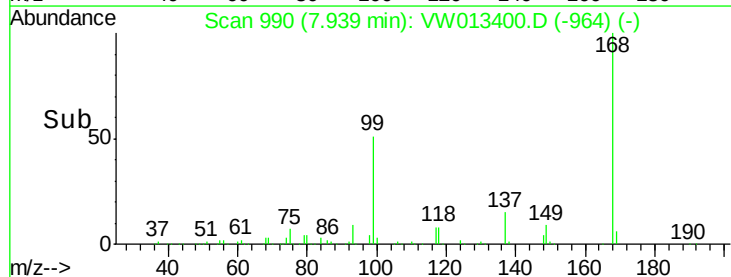
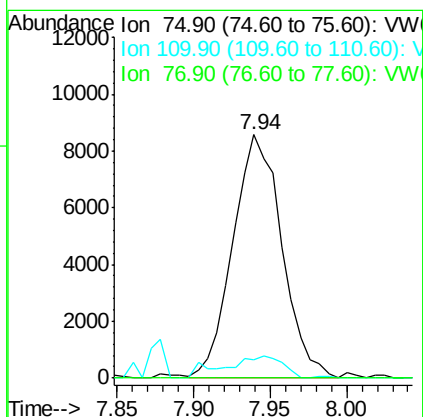
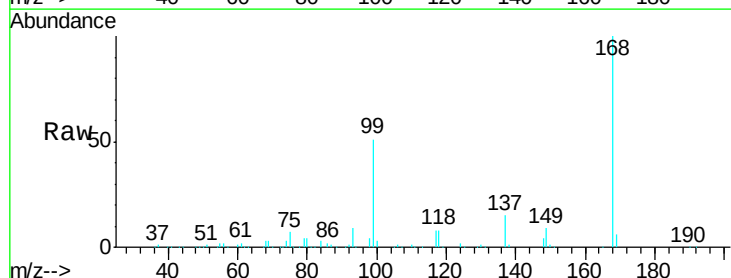
Instrument :
 MSVOA_W
 ClientSampleId :

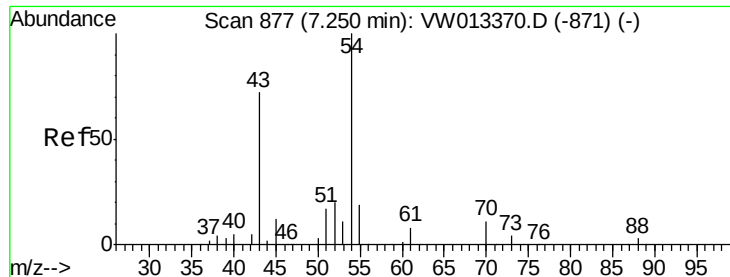
Tgt Ion:113 Resp: 120459
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.9 122.9
 192 23.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013400.D
 Acq: 03 Oct 2019 02:27

Tgt Ion: 75 Resp: 19061
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.3#
 77 0.0 25.8 38.6#

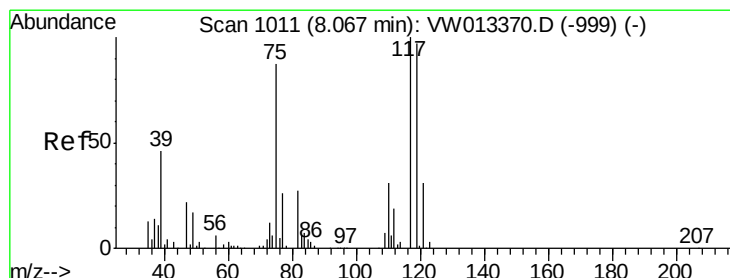
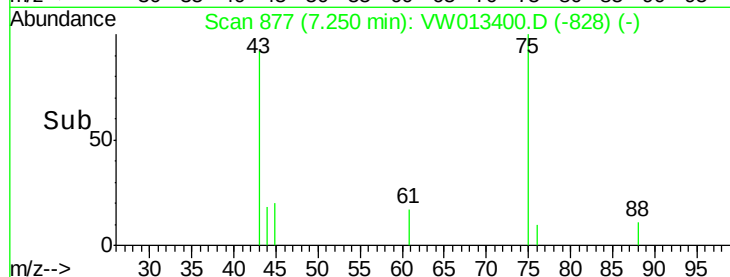
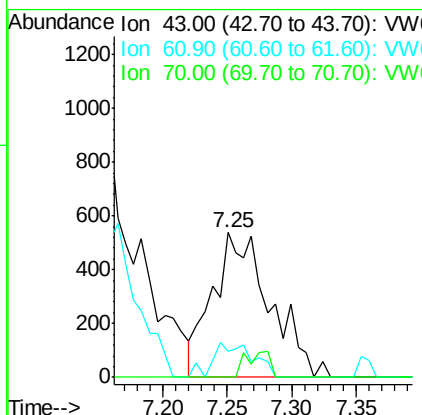
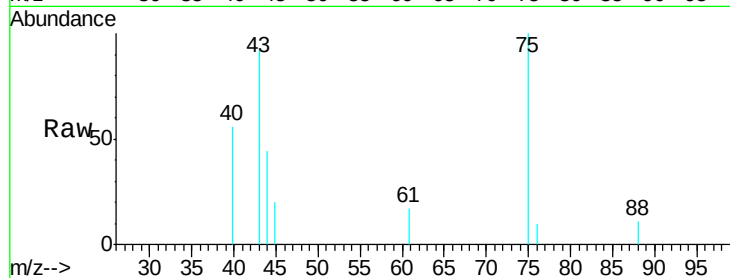




#37
Ethyl Acetate
Concen: 1.103 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

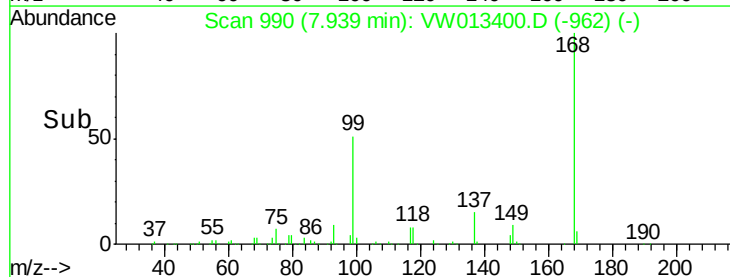
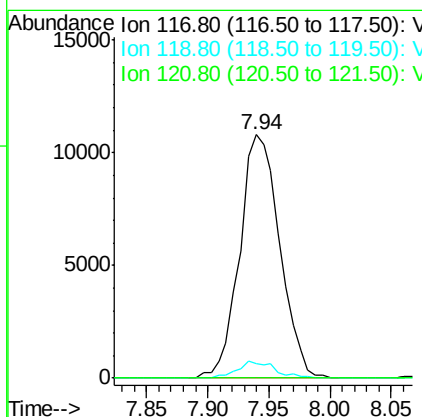
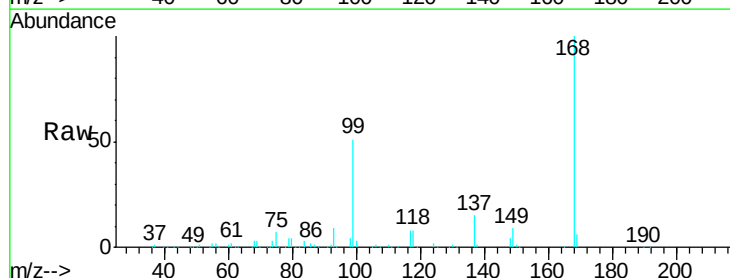
Instrument :
MSVOA_W
ClientSampled :

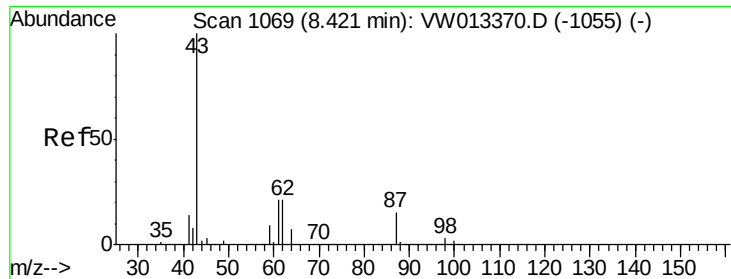
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
61 16.6 10.9 16.3#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 7.142 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

Tgt Ion: 117 Resp: 24584
Ion Ratio Lower Upper
117 100
119 5.7 73.5 110.3#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.329 ug/l

RT: 8.24 min Scan# 1040

Delta R.T. -0.18 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

ClientSampleId :

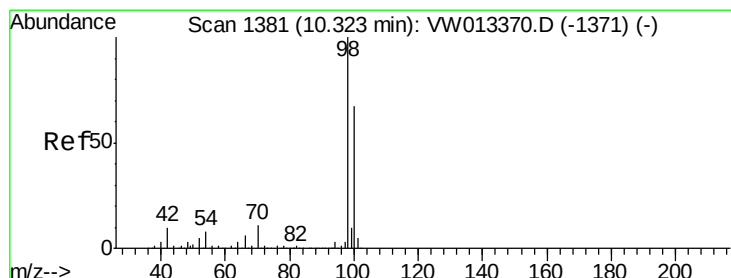
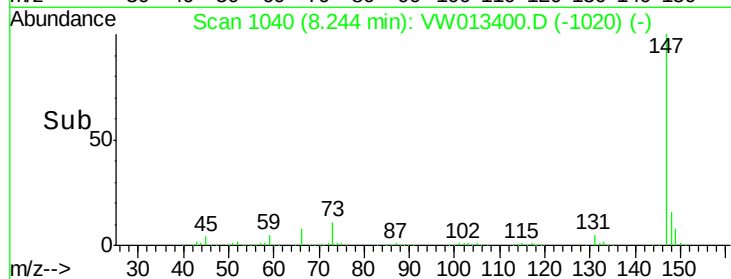
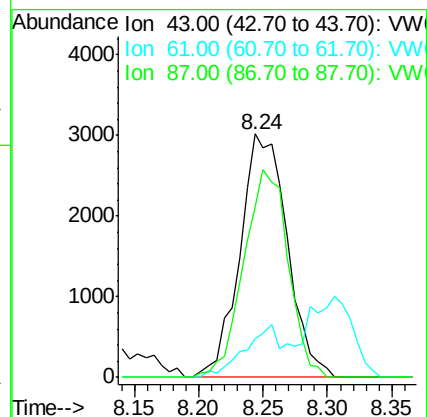
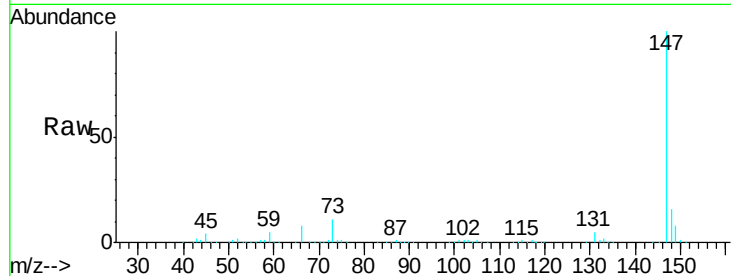
Tgt Ion: 43 Resp: 7688

Ion Ratio Lower Upper

43 100

61 18.8 25.5 38.3#

87 79.9 11.0 16.4#



#50

Toluene-d8

Concen: 53.367 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013400.D

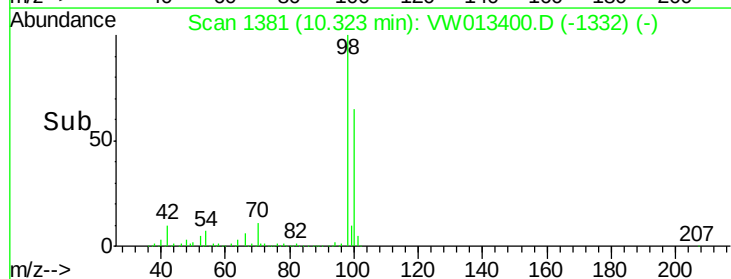
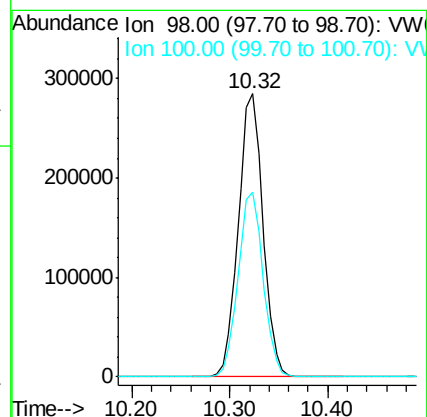
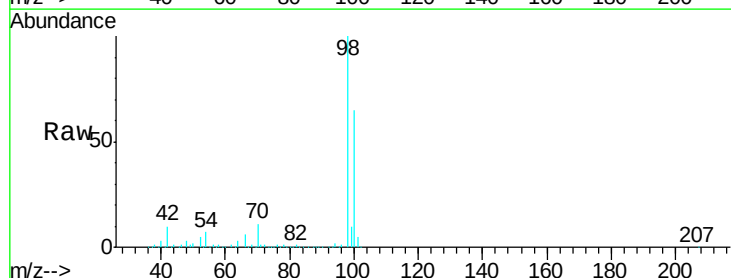
Acq: 03 Oct 2019 02:27

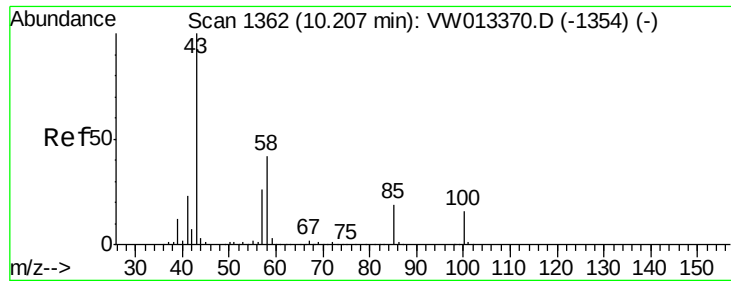
Tgt Ion: 98 Resp: 497153

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3

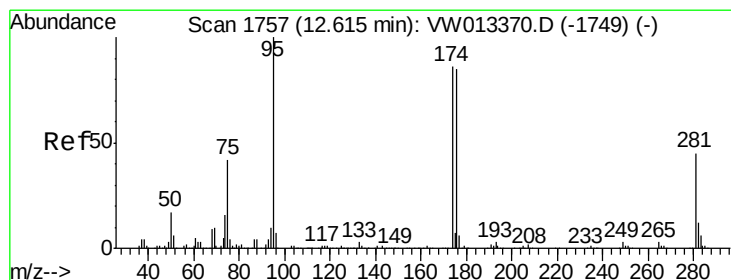
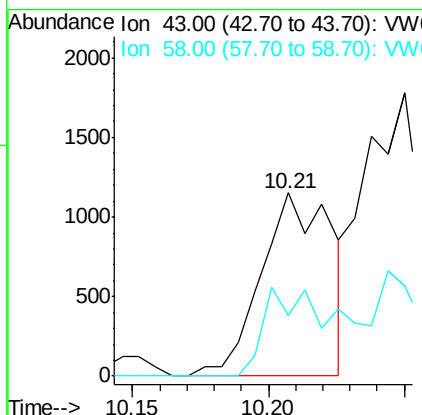
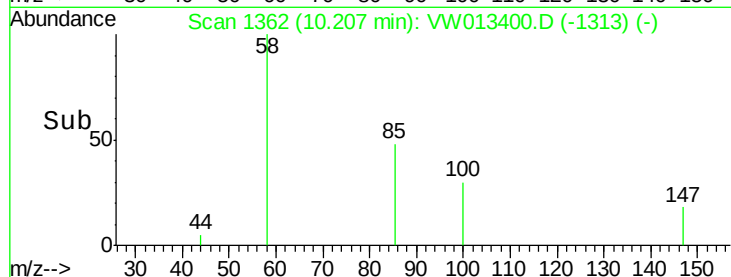
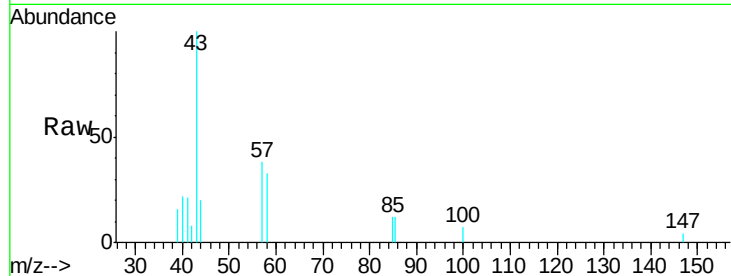




#51
4-Methyl-2-Pentanone
Concen: 1.200 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

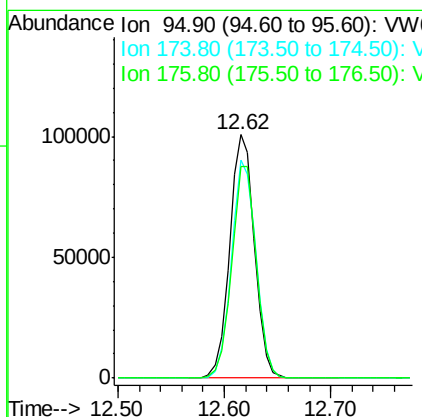
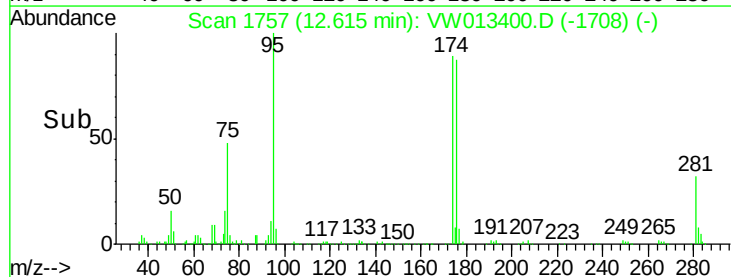
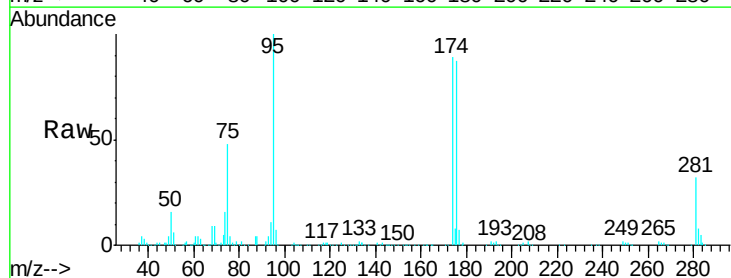
Instrument :
MSVOA_W
ClientSampled :

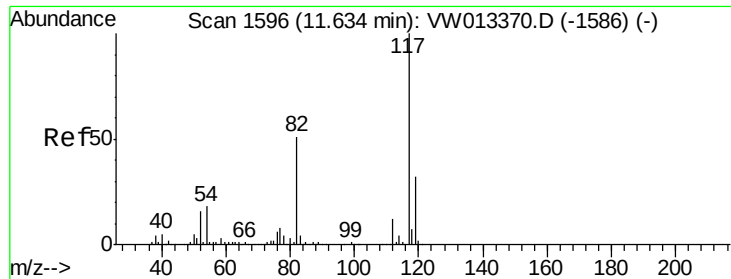
Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 46.9 31.7 47.5



#62
4-Bromofluorobenzene
Concen: 52.473 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

Tgt Ion: 95 Resp: 163237
Ion Ratio Lower Upper
95 100
174 89.3 0.0 178.4
176 87.4 0.0 172.2

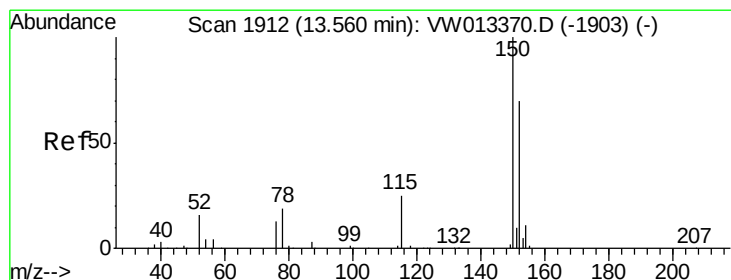
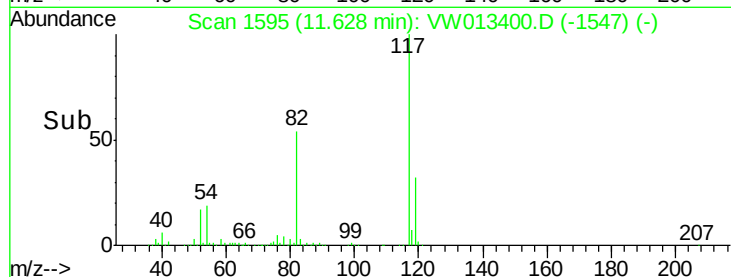
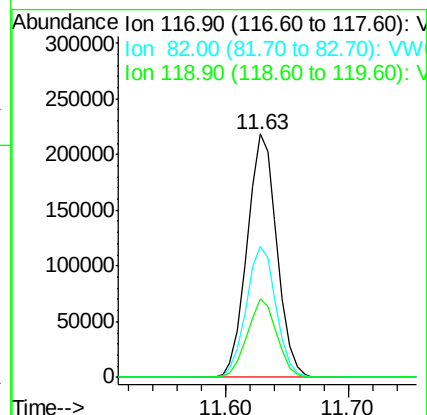
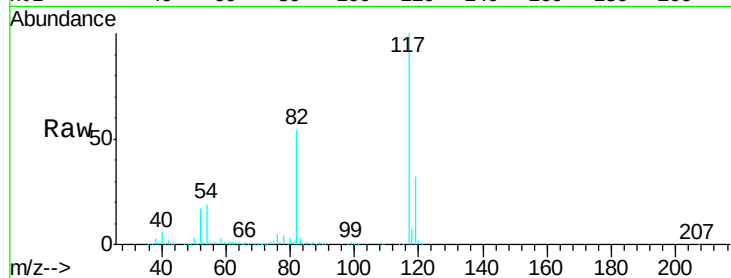




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

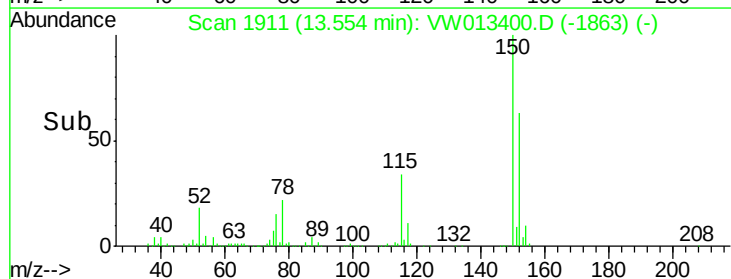
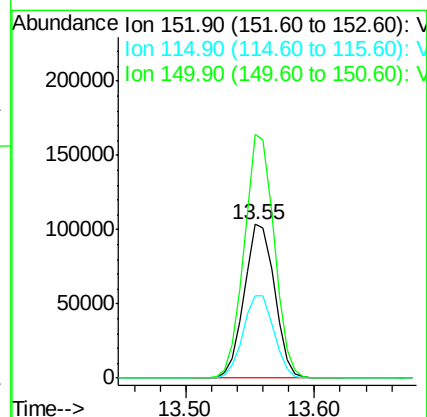
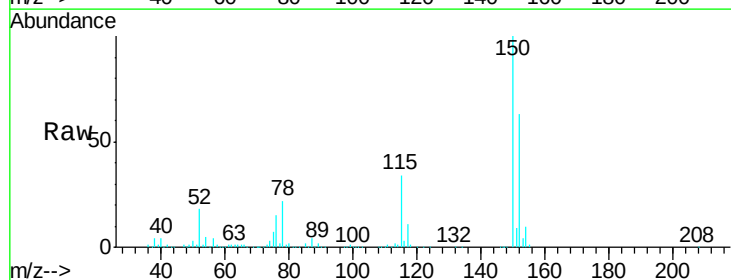
Instrument :
MSVOA_W
ClientSampled :

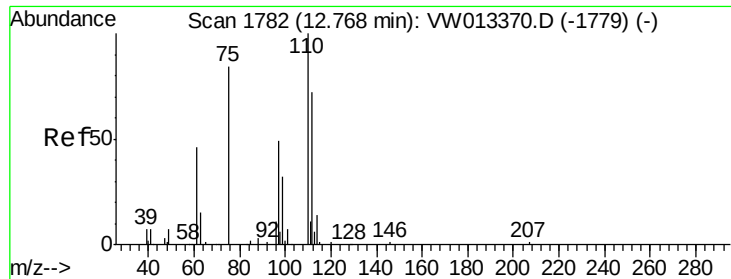
Tgt Ion:117 Resp: 367294
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013400.D
Acq: 03 Oct 2019 02:27

Tgt Ion:152 Resp: 168605
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 156.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 50.247 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

Instrument :

MSVOA_W

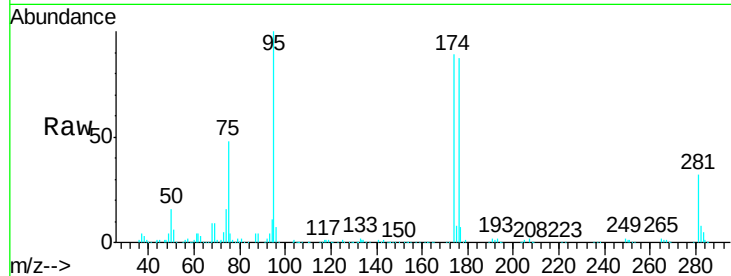
ClientSampled :

Tgt Ion: 75 Resp: 75296

Ion Ratio Lower Upper

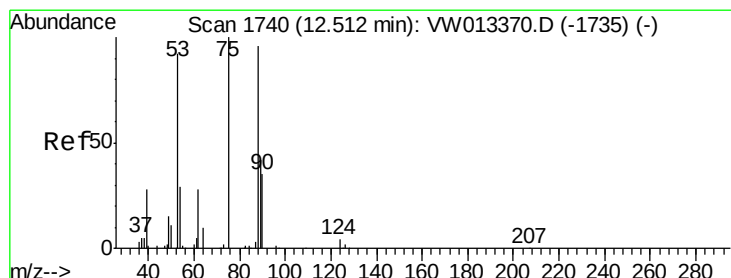
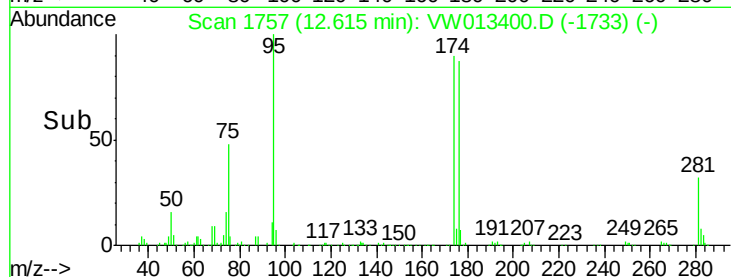
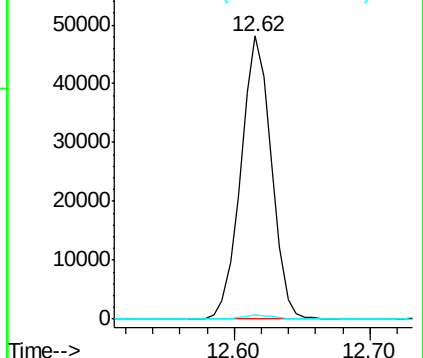
75 100

77 1.5 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: 102.075 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013400.D

Acq: 03 Oct 2019 02:27

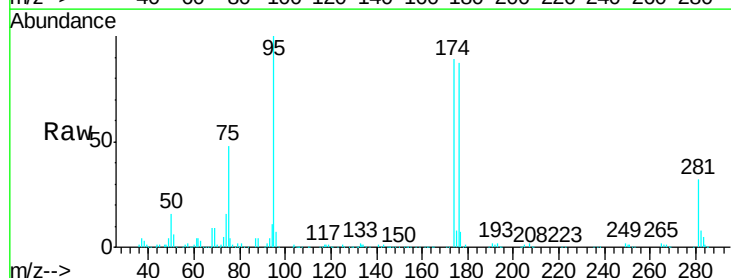
Tgt Ion: 75 Resp: 75296

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.2 33.5 50.3#



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

