

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014566.D
 Acq On : 08 Jan 2020 18:07
 Operator : SY/VA
 Sample : L1056-07
 Misc : 7.27G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 00:56:00 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	609310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	938986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	647264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	200880	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	241841	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
35) Dibromofluoromethane	7.88	113	242490	45.19	ug/l	0.00
Spiked Amount			Recovery	=	90.38%	
50) Toluene-d8	10.32	98	922278	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	
62) 4-Bromofluorobenzene	12.62	95	223926	29.48	ug/l	0.00
Spiked Amount			Recovery	=	58.96%	

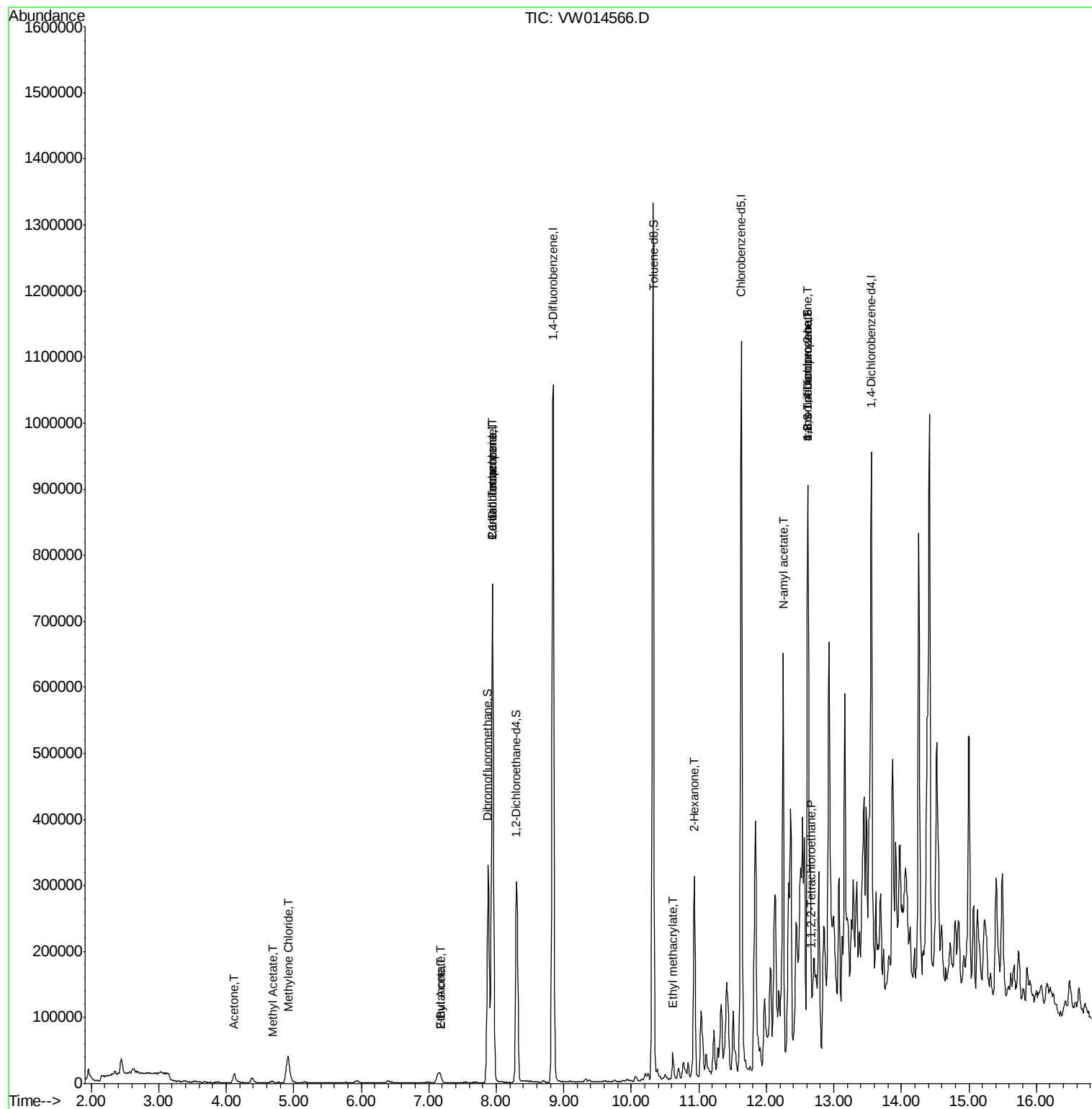
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	1478	Below Cal		99
16) Acetone	4.12	43	22703	15.093	ug/l	100
18) Methyl Acetate	4.68	43	5567	1.532	ug/l	97
20) Methylene Chloride	4.92	84	36111	1.558	ug/l	97
25) 2-Butanone	7.18	43	5798	3.003	ug/l #	85
36) 1,1-Dichloropropene	7.95	75	40696	4.496	ug/l #	49
37) Ethyl Acetate	7.18	43	5798	1.412	ug/l #	1
38) Carbon Tetrachloride	7.95	117	52670	6.707	ug/l #	16
56) Ethyl methacrylate	10.62	69	10992	1.867	ug/l #	83
59) 2-Hexanone	10.93	43	109744	41.137	ug/l #	27
74) N-amyl acetate	12.25	43	128540	38.894	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.68	83	10789	4.055	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	102341	53.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102341	120.055	ug/l #	20

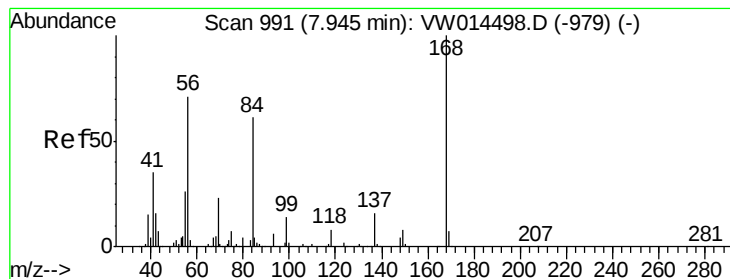
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010820\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
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: VW014566.D

Acq: 08 Jan 2020 18:07

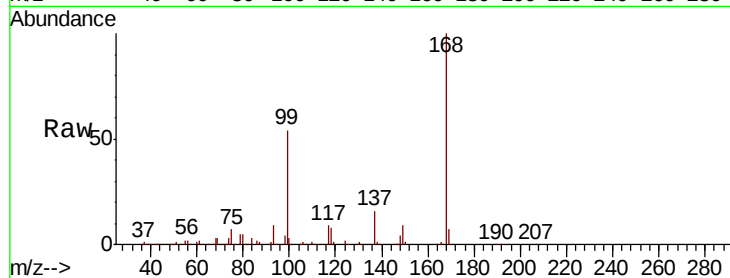
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 609310

Ion Ratio Lower Upper

168 100

99 53.6 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

250000

200000

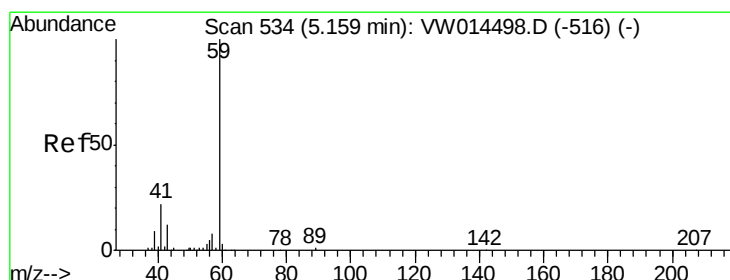
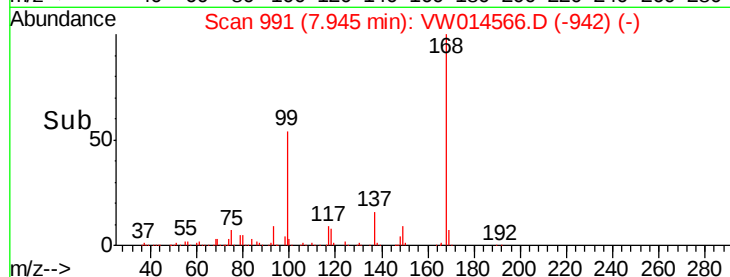
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014566.D

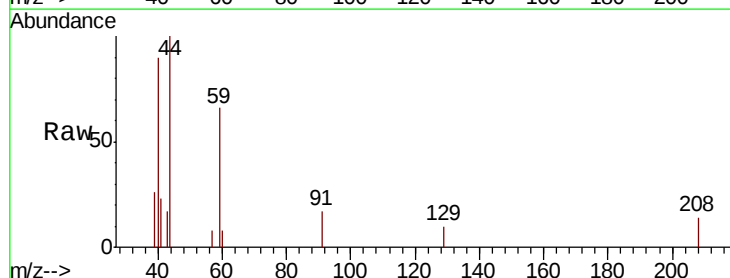
Acq: 08 Jan 2020 18:07

Tgt Ion: 59 Resp: 1478

Ion Ratio Lower Upper

59 100

57 9.3 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

500

400

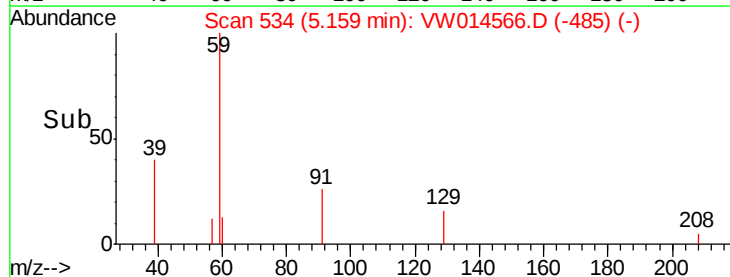
300

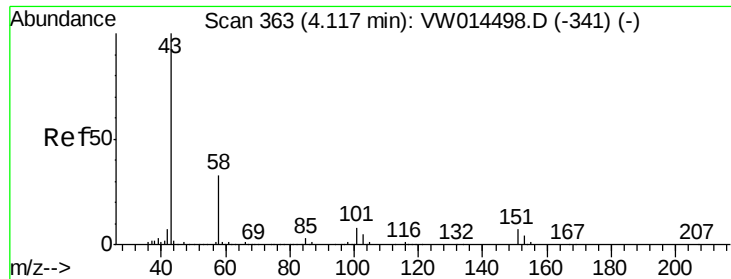
200

100

0

Time--> 5.05 5.10 5.15 5.20 5.25





#16

Acetone

Concen: 15.093 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :

MSVOA_W

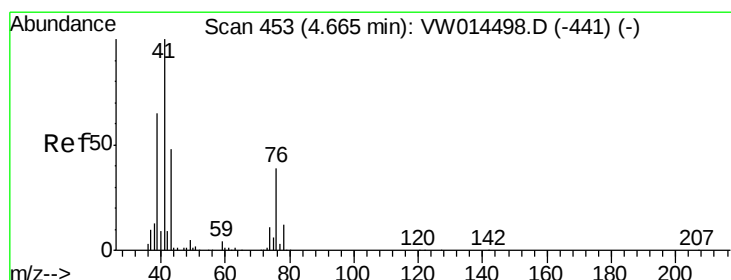
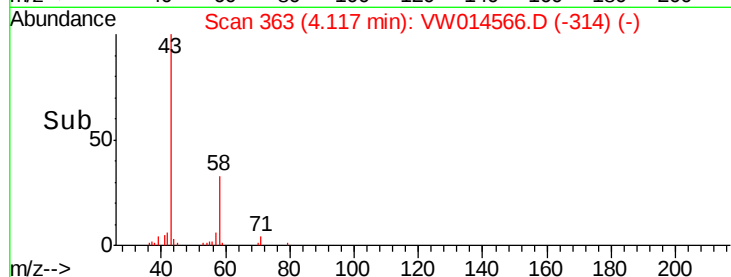
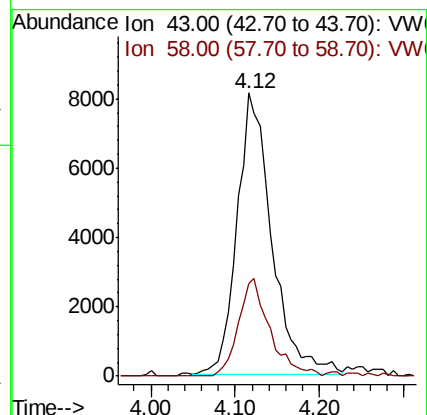
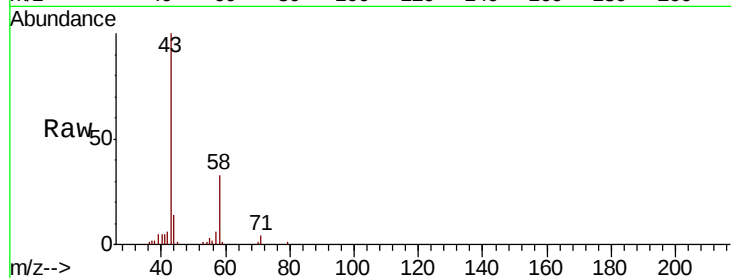
ClientSampleId :

Tot Ion: 43 Resp: 22703

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8



#18

Methyl Acetate

Concen: 1.532 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW014566.D

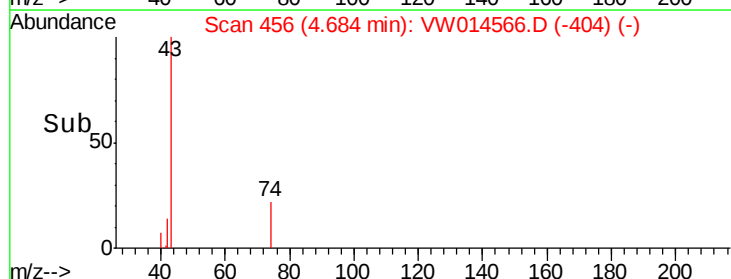
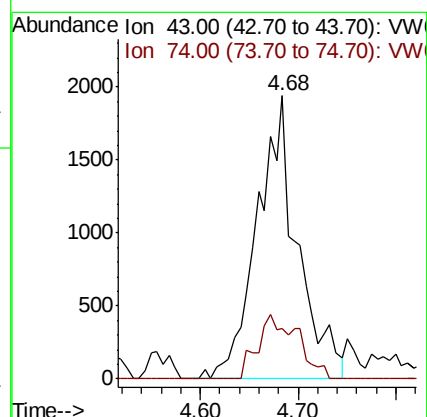
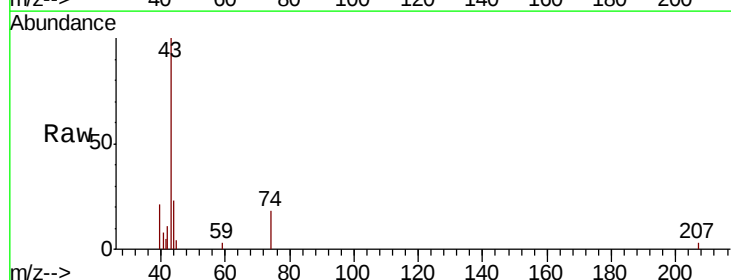
Acq: 08 Jan 2020 18:07

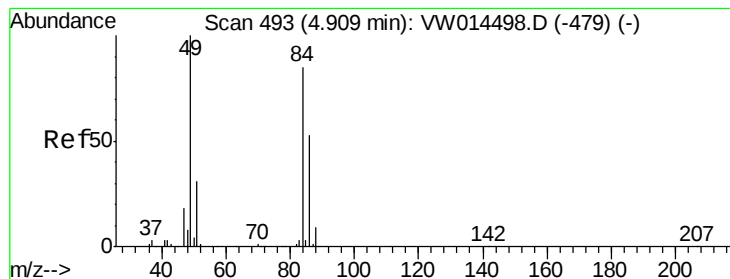
Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

43 100

74 22.5 19.3 28.9





#20

Methvlene Chloride

Concen: 1.558 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 36111

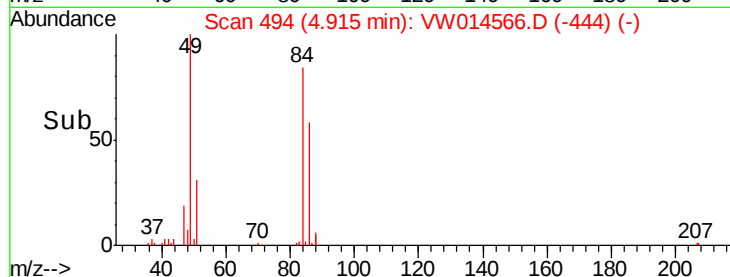
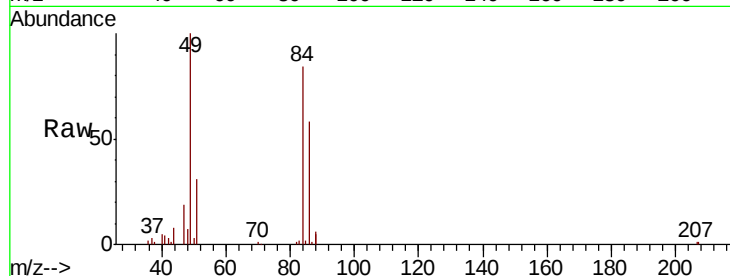
Ion Ratio Lower Upper

84 100

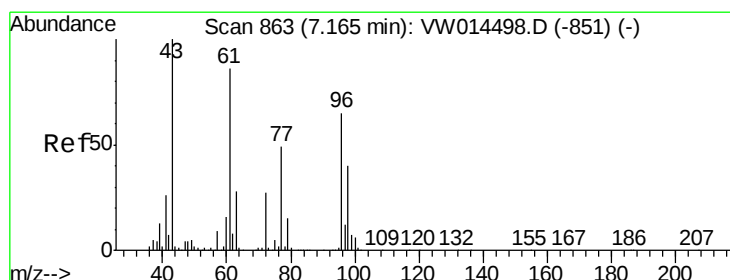
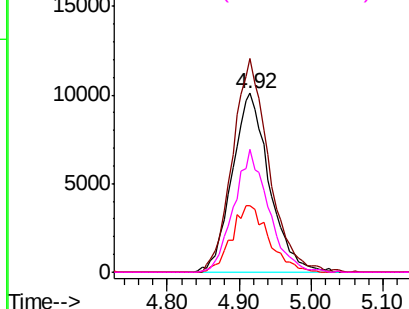
49 119.2 94.4 141.6

51 36.9 29.5 44.3

86 68.9 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



#25

2-Butanone

Concen: 3.003 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014566.D

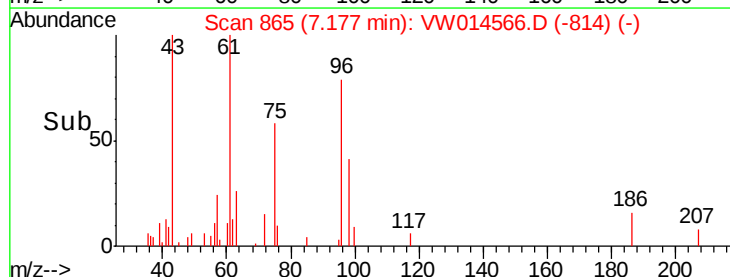
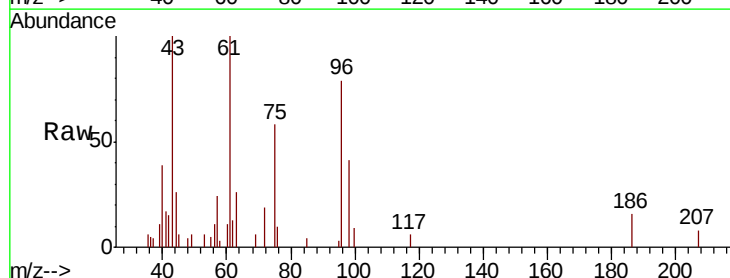
Acq: 08 Jan 2020 18:07

Tgt Ion: 43 Resp: 5798

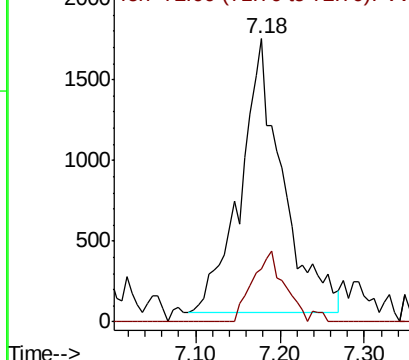
Ion Ratio Lower Upper

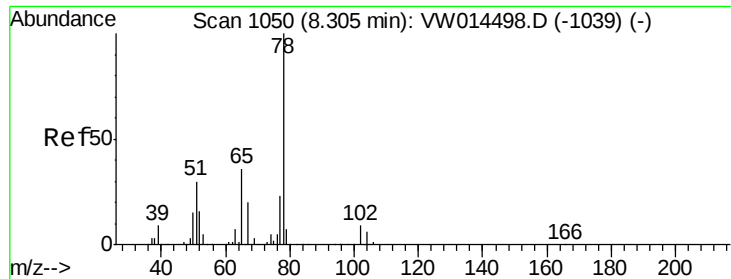
43 100

72 19.5 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

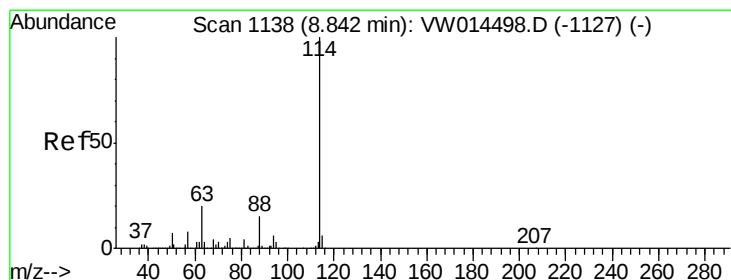
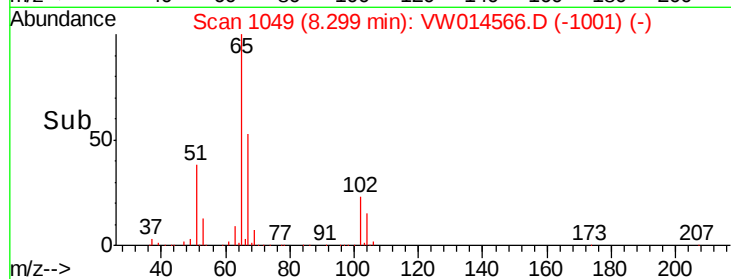
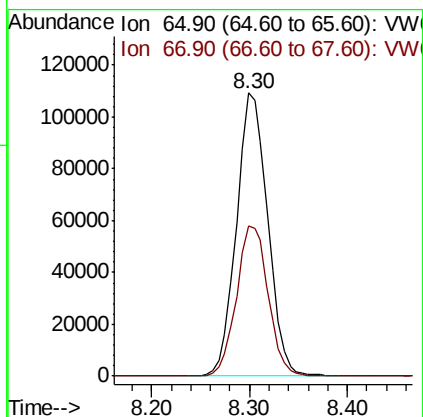
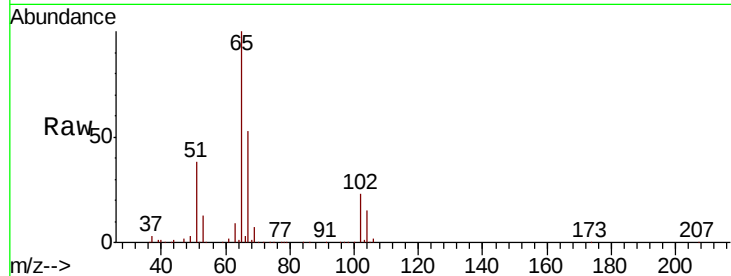




#33
 1,2-Dichloroethane-d4
 Concen: 45.397 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014566.D
 Acq: 08 Jan 2020 18:07

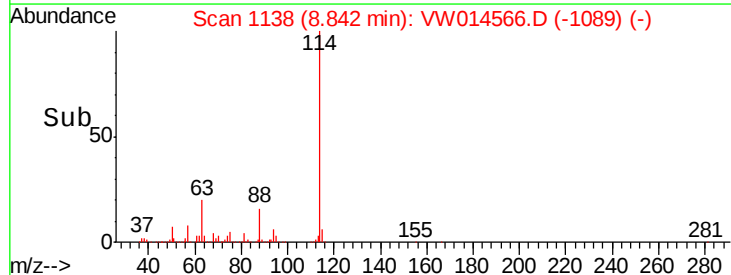
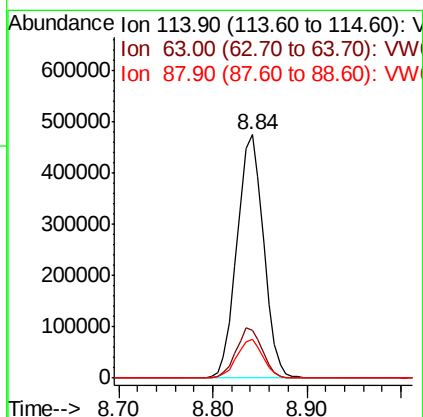
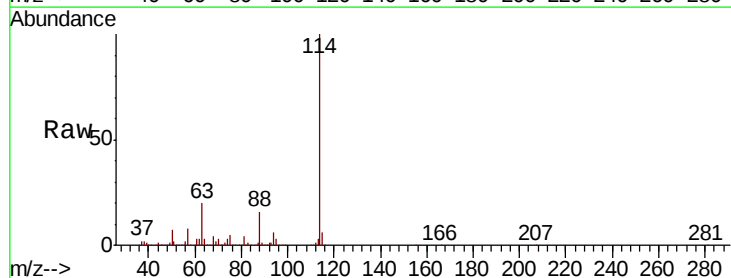
Instrument :
 MSVOA_W
 ClientSampleId :

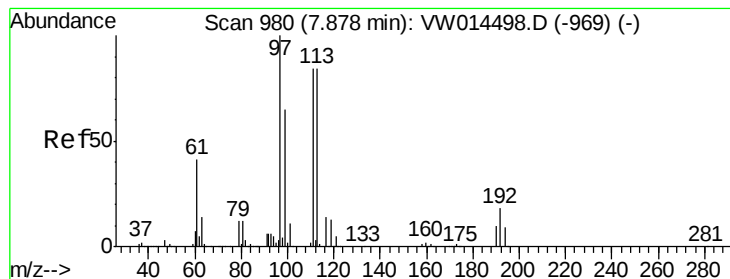
Tot Ion: 65 Resp: 241841
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014566.D
 Acq: 08 Jan 2020 18:07

Tgt Ion: 114 Resp: 938986
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.4
 88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.186 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :
MSVOA_W
ClientSampled :

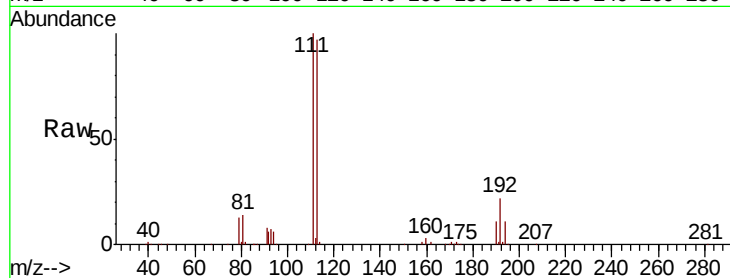
Tot Ion:113 Resp: 242490

Ion Ratio Lower Upper

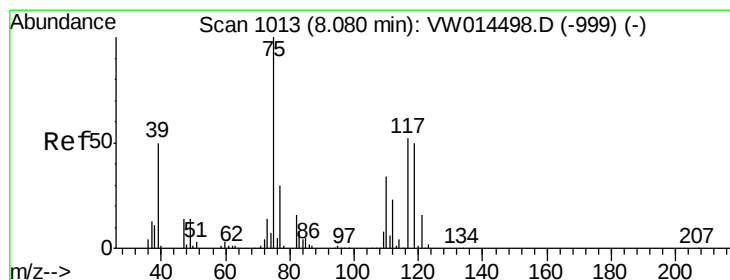
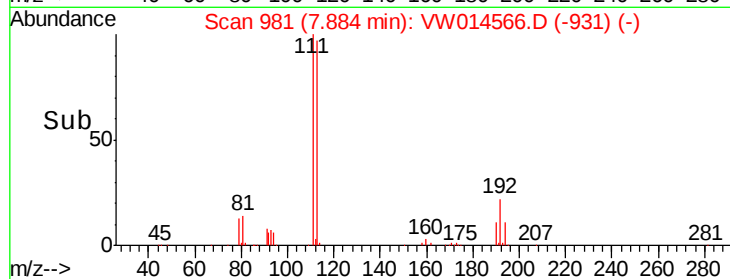
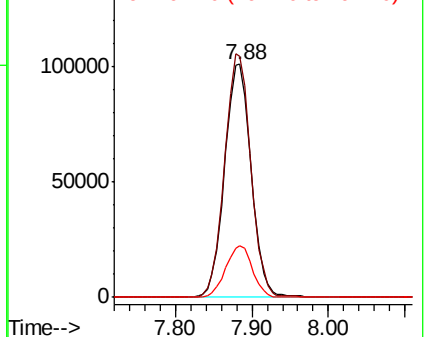
113 100

111 103.3 81.4 122.2

192 22.3 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: 4.496 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

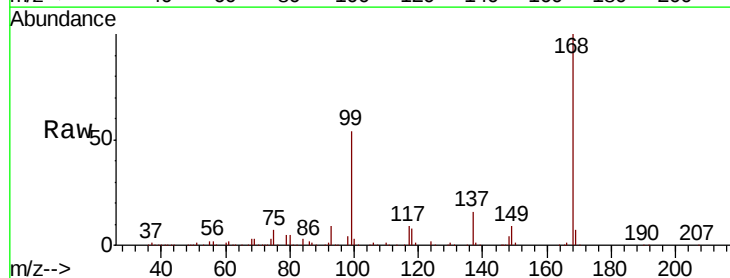
Tgt Ion: 75 Resp: 40696

Ion Ratio Lower Upper

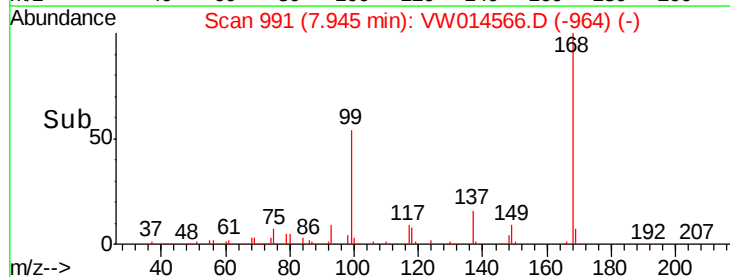
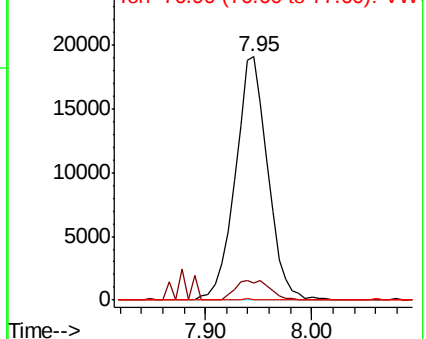
75 100

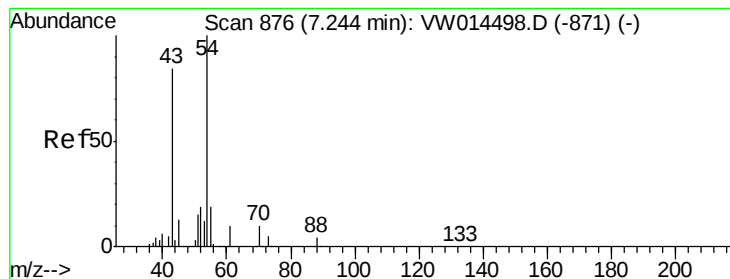
110 8.6 17.8 53.5#

77 0.1 24.7 37.1#



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: 1.412 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :

MSVOA_W

ClientSampled :

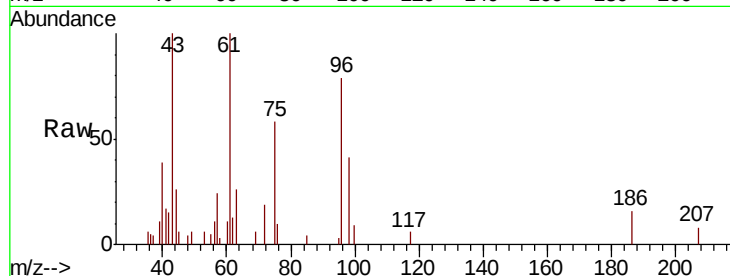
Tot Ion: 43 Resp: 5798

Ion Ratio Lower Upper

43 100

61 102.1 11.7 17.5#

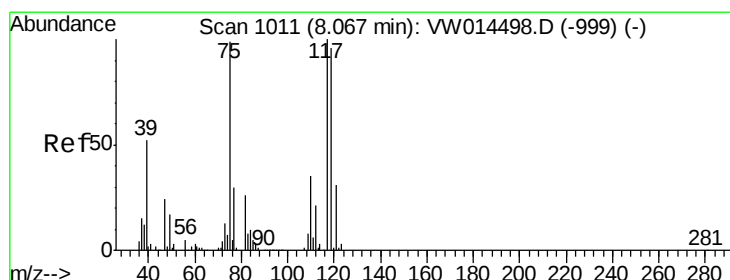
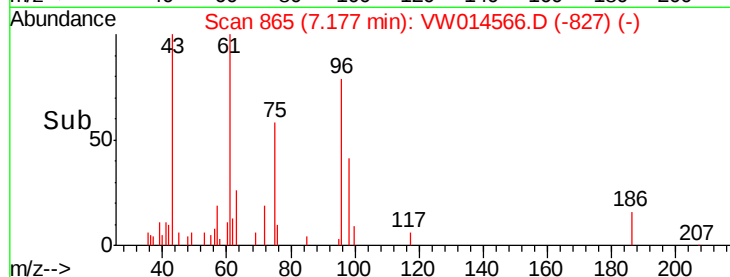
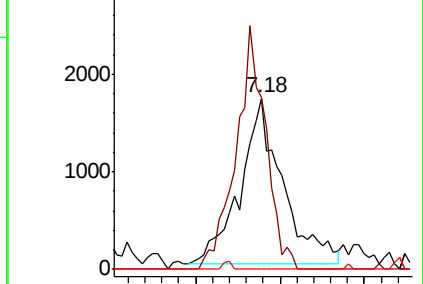
70 0.0 9.0 13.6#



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: 6.707 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

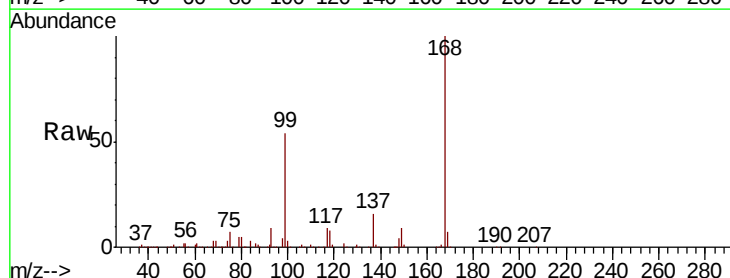
Tgt Ion: 117 Resp: 52670

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

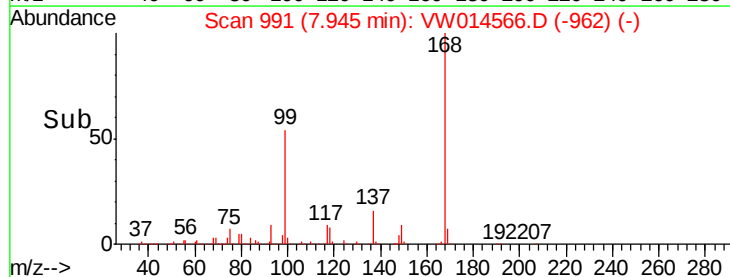
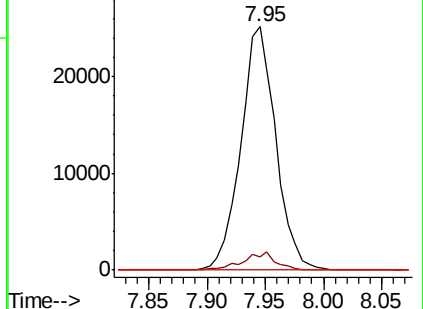
121 0.0 24.6 36.8#

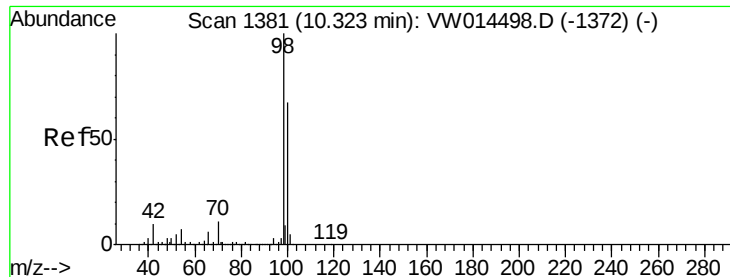


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 41.181 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :

MSVOA_W

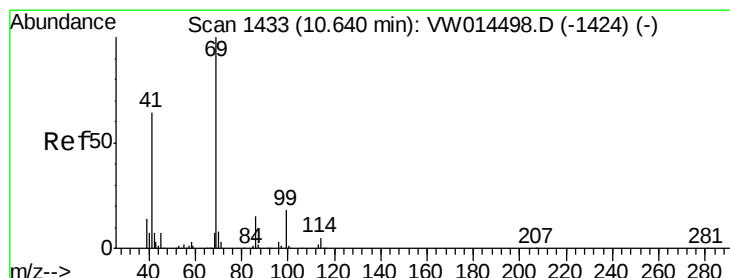
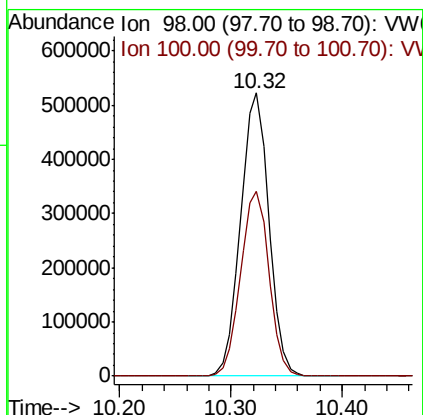
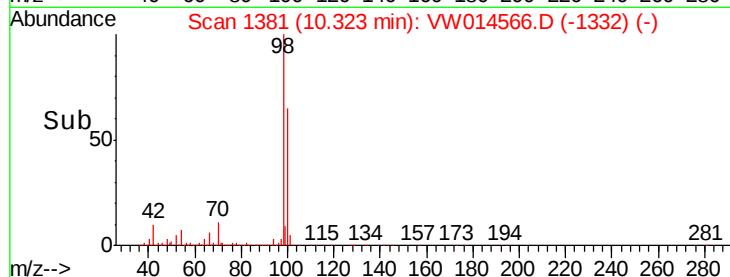
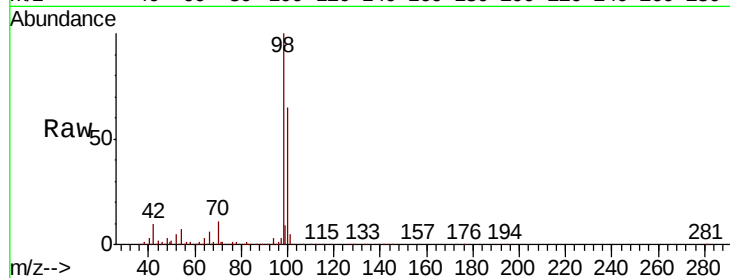
ClientSampleId :

Tot Ion: 98 Resp: 922278

Ion Ratio Lower Upper

98 100

100 65.7 53.8 80.6



#56

Ethyl methacrylate

Concen: 1.867 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. -0.02 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

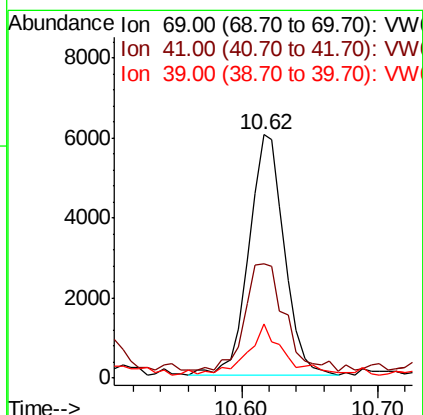
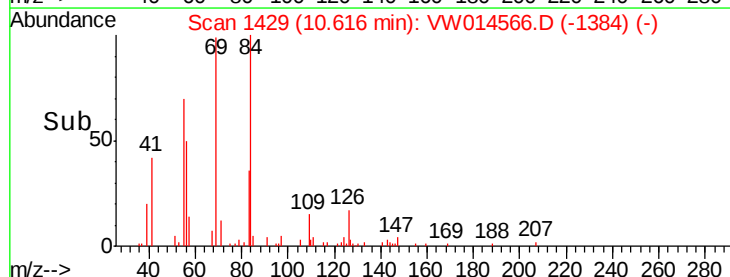
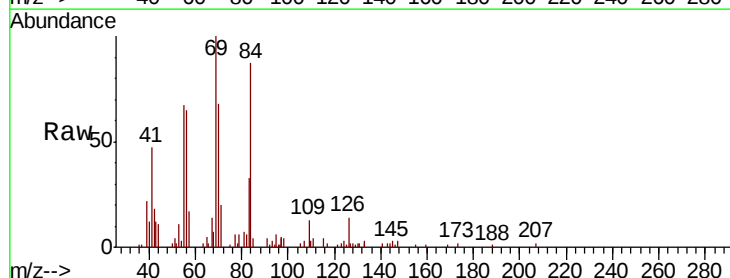
Tgt Ion: 69 Resp: 10992

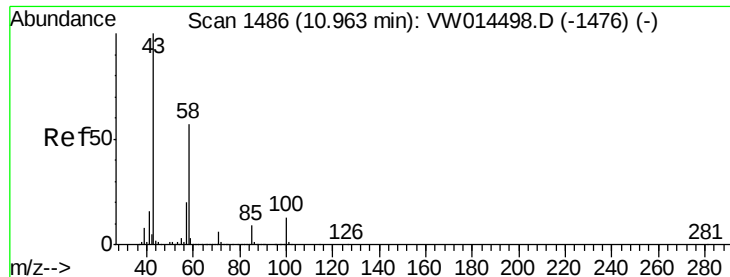
Ion Ratio Lower Upper

69 100

41 49.6 51.3 76.9#

39 19.4 21.0 31.6#

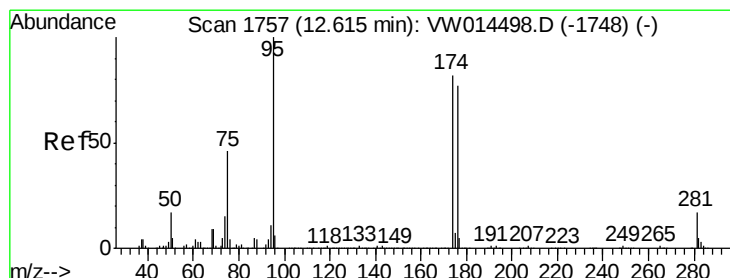
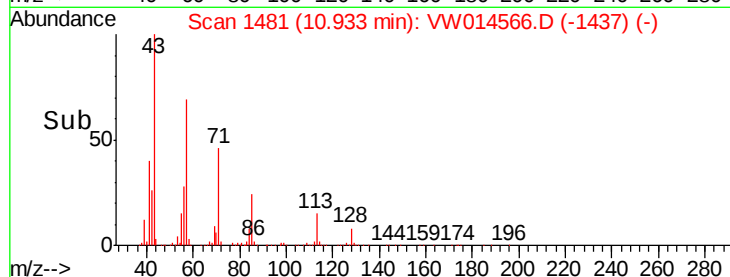
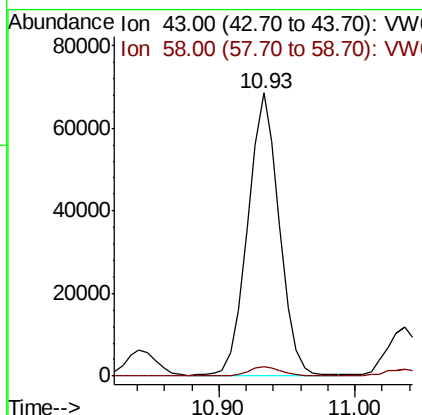
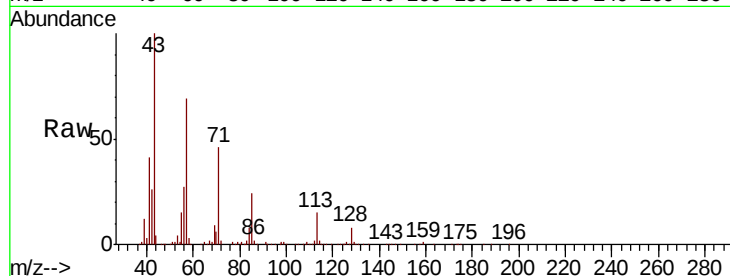




#59
2-Hexanone
Concen: 41.137 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014566.D
Acq: 08 Jan 2020 18:07

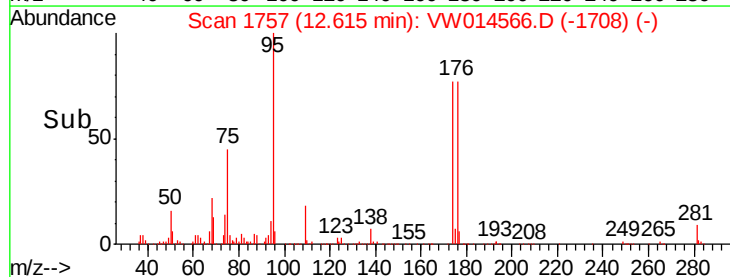
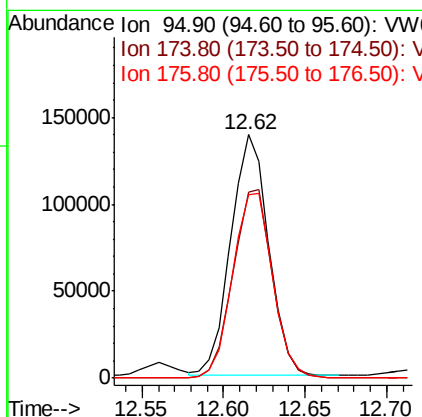
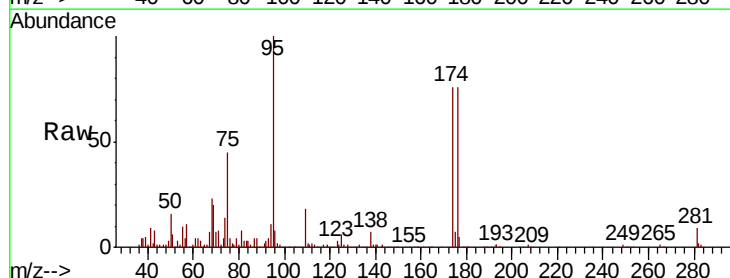
Instrument :
MSVOA_W
ClientSampleId :

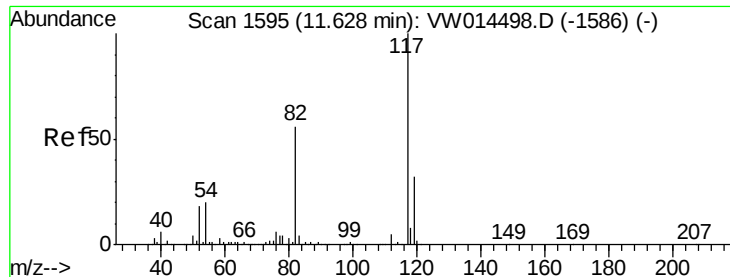
Tot Ion: 43 Resp: 109744
Ion Ratio Lower Upper
43 100
58 3.7 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 29.478 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014566.D
Acq: 08 Jan 2020 18:07

Tgt Ion: 95 Resp: 223926
Ion Ratio Lower Upper
95 100
174 81.8 0.0 168.6
176 81.3 0.0 162.0

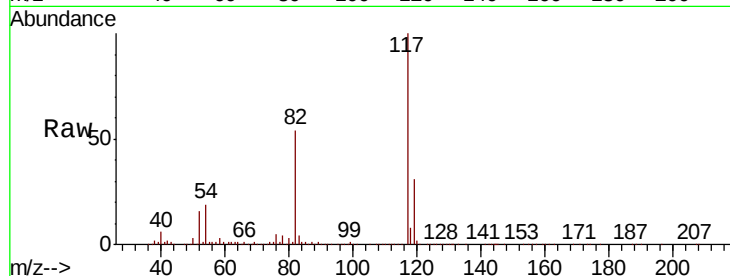




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014566.D
Acq: 08 Jan 2020 18:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	67.0
119	30.8	25.7	38.5

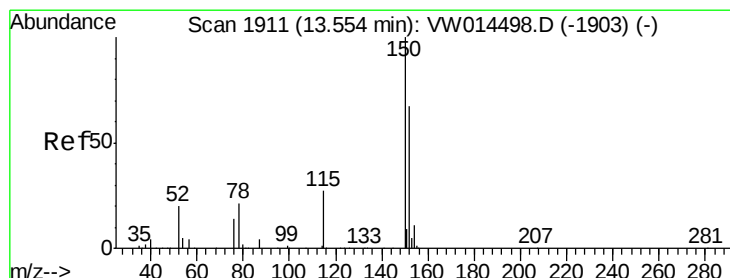
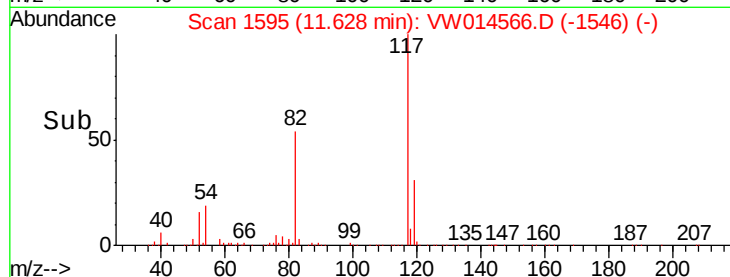
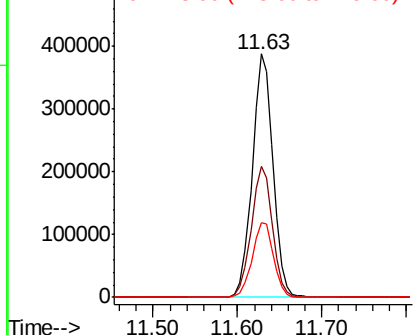


Abundance

Ion 116.90 (116.60 to 117.60): V

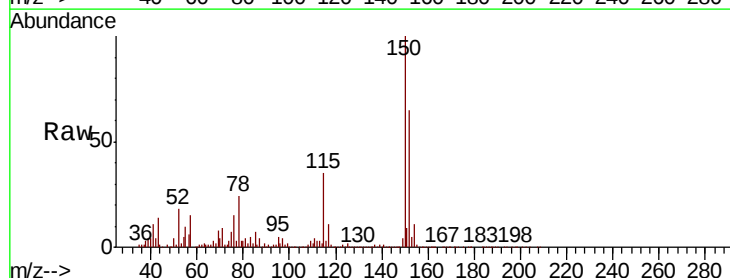
Ion 82.00 (81.70 to 82.70): V

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: VW014566.D
Acq: 08 Jan 2020 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	27.7	83.1
150	145.5	0.0	343.4

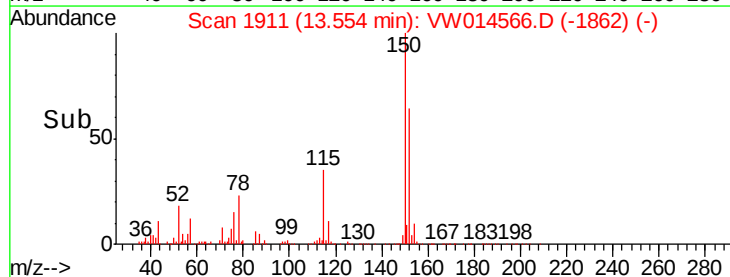
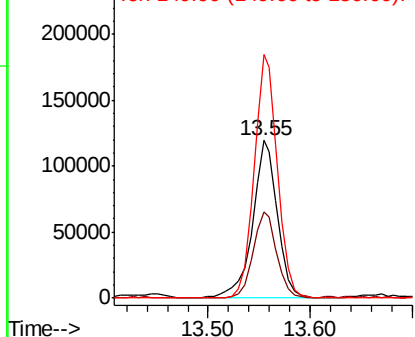


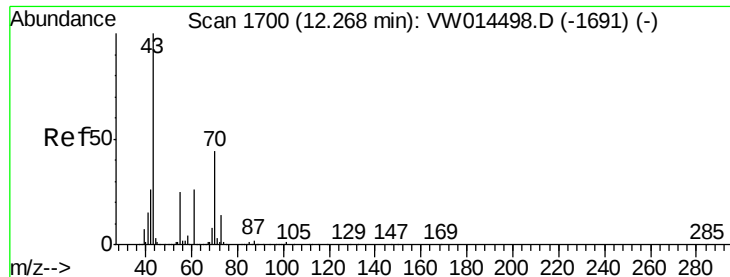
Abundance

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: 38.894 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 128540

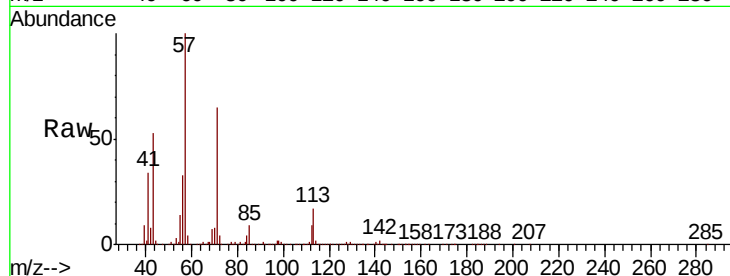
Ion Ratio Lower Upper

43 100

70 21.7 36.5 54.7#

55 38.5 20.9 31.3#

61 0.0 20.7 31.1#

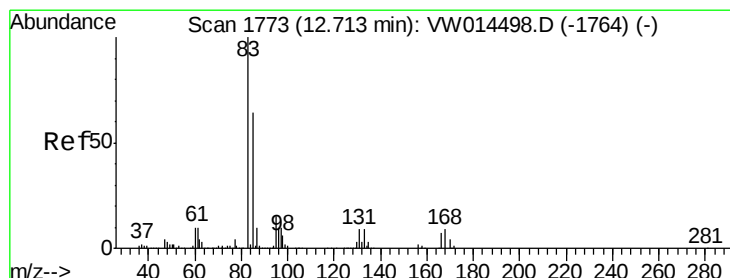
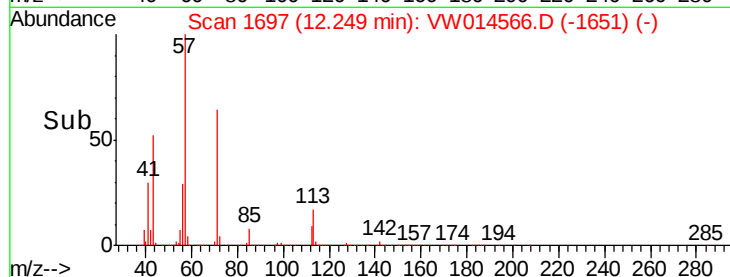
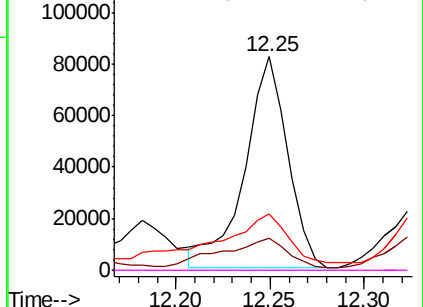


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.055 ug/l

RT: 12.68 min Scan# 1767

Delta R.T. -0.04 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

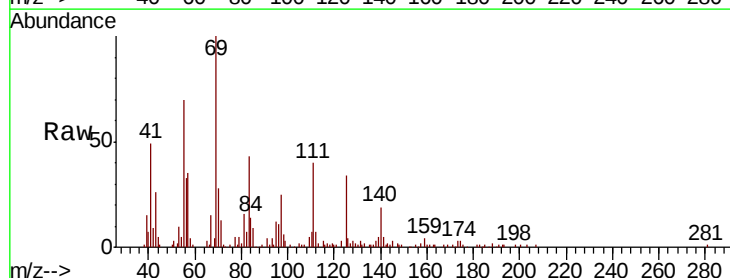
Tgt Ion: 83 Resp: 10789

Ion Ratio Lower Upper

83 100

131 2.4 5.1 15.4#

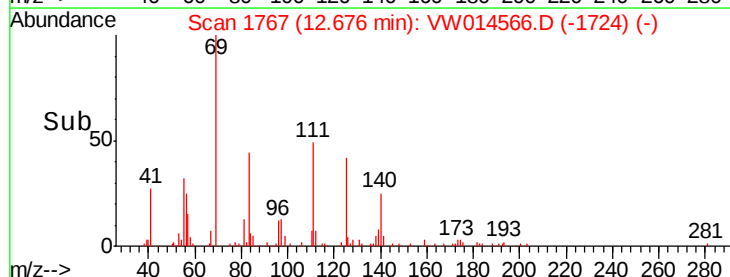
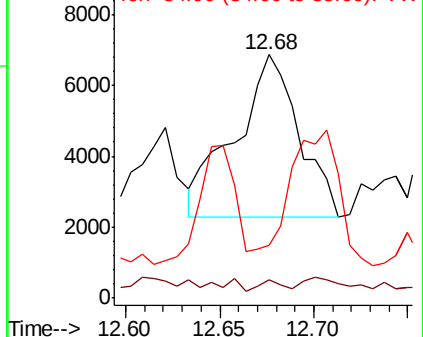
85 0.0 31.9 95.7#

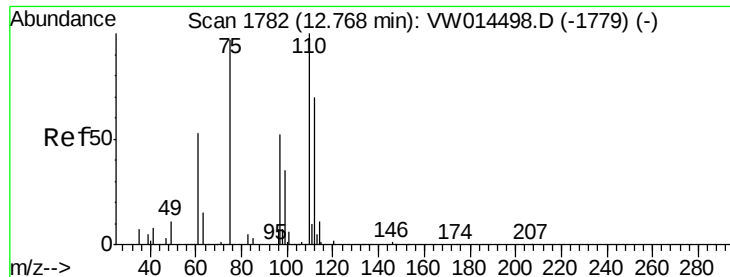


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 53.884 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

Instrument :

MSVOA_W

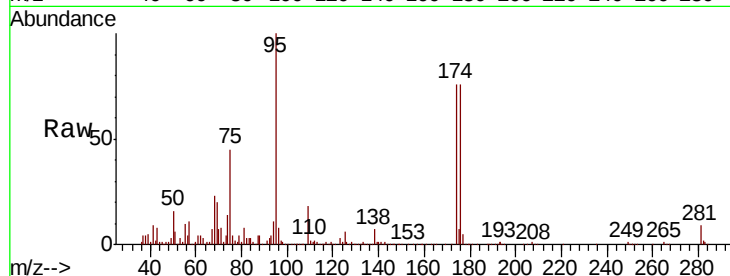
ClientSampleId :

Tot Ion: 75 Resp: 102341

Ion Ratio Lower Upper

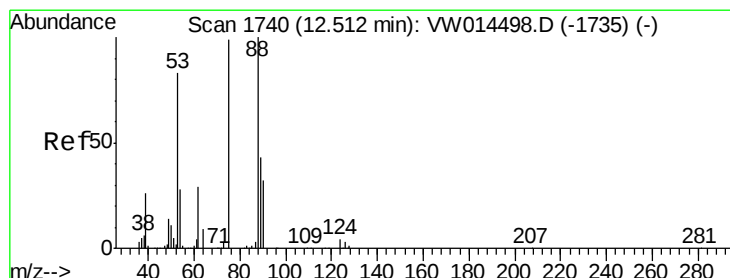
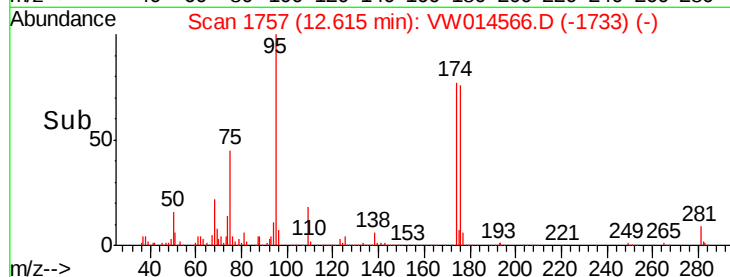
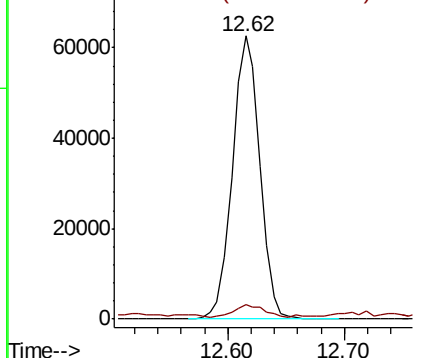
75 100

77 5.0 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: 120.055 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014566.D

Acq: 08 Jan 2020 18:07

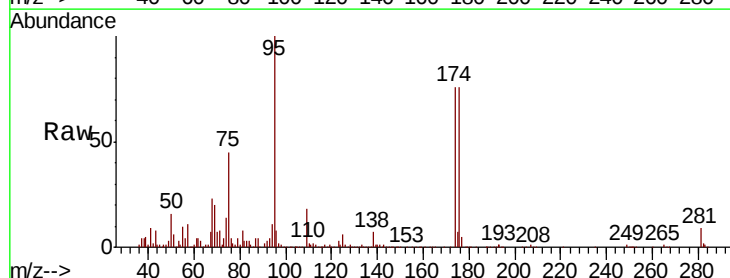
Tgt Ion: 75 Resp: 102341

Ion Ratio Lower Upper

75 100

53 8.1 70.9 106.3#

89 0.1 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

