

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
 Data File : VY001602.D
 Acq On : 11 Feb 2020 16:21
 Operator : SY/MD
 Sample : L1488-06
 Misc : 6.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 07:55:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	166399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	301343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	266413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	117790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	100868	60.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.42%	
35) Dibromofluoromethane	7.74	113	85510	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
50) Toluene-d8	10.19	98	360494	54.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.66%	
62) 4-Bromofluorobenzene	12.48	95	120862	46.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.34%	

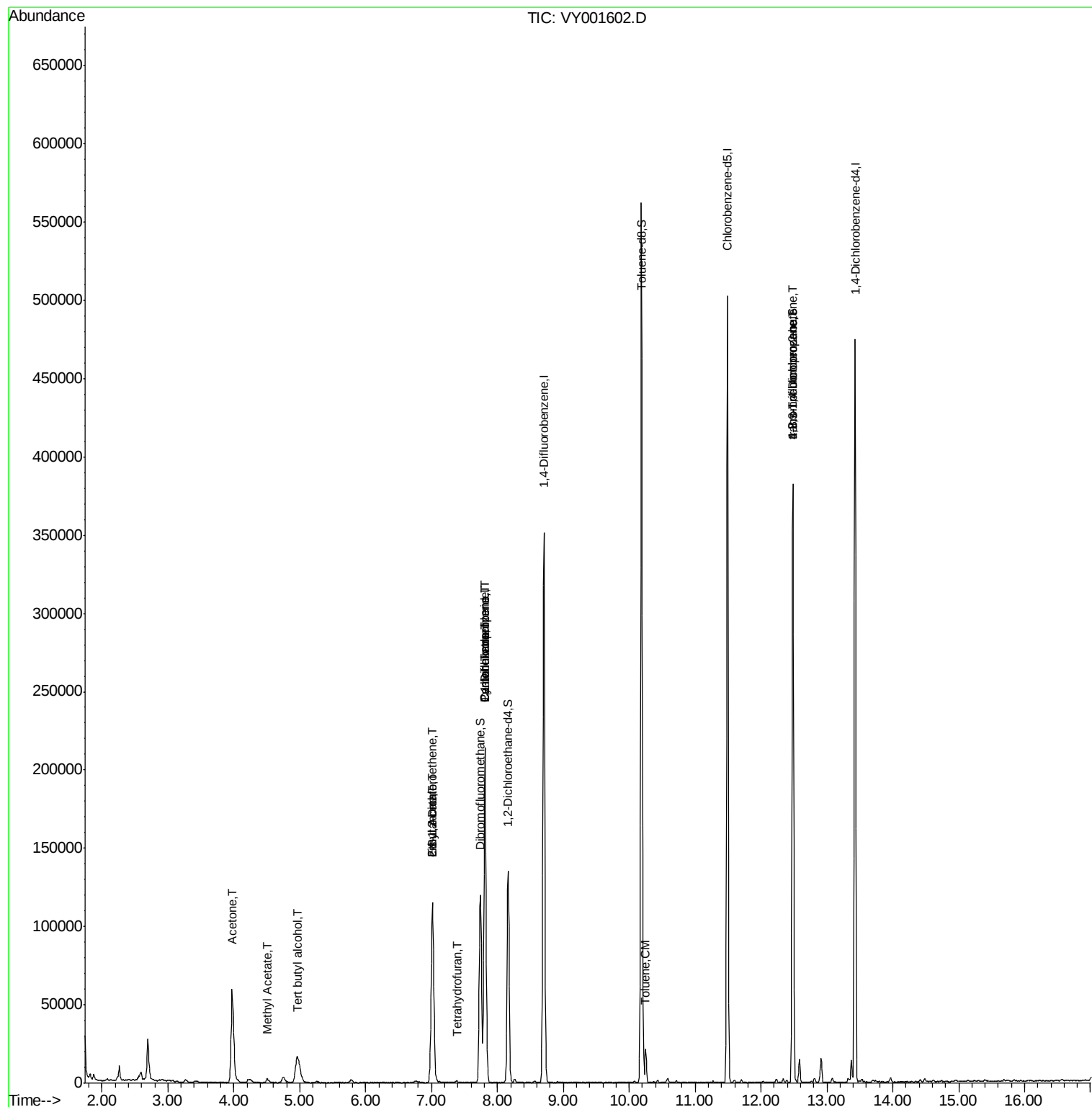
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	28184	133.889	ug/l #	92
16) Acetone	3.97	43	104120	214.846	ug/l	98
18) Methyl Acetate	4.51	43	4856	4.695	ug/l #	75
20) Methylene Chloride	4.74	84	2622	Below Cal		90
25) 2-Butanone	7.02	43	9635	15.325	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	48905	23.023	ug/l	92
29) Tetrahydrofuran	7.38	42	757	2.009	ug/l #	72
31) Cyclohexane	7.82	56	3939	1.207	ug/l #	23
36) 1,1-Dichloropropene	7.81	75	13366	4.849	ug/l #	49
37) Ethyl Acetate	7.02	43	9635	7.220	ug/l #	1
38) Carbon Tetrachloride	7.81	117	16096	6.035	ug/l #	15
52) Toluene	10.25	92	8420	1.688	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	60007	47.372	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	60007	91.663	ug/l #	16

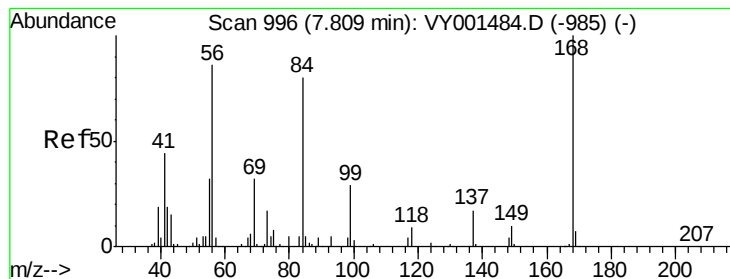
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY021120\
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Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

Instrument :

MSVOA_Y

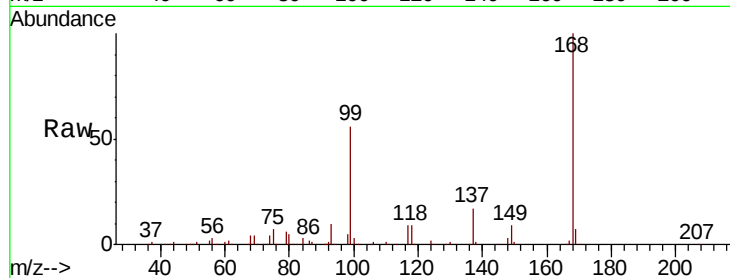
ClientSampleId :

Tot Ion:168 Resp: 166399

Ion Ratio Lower Upper

168 100

99 55.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

80000

60000

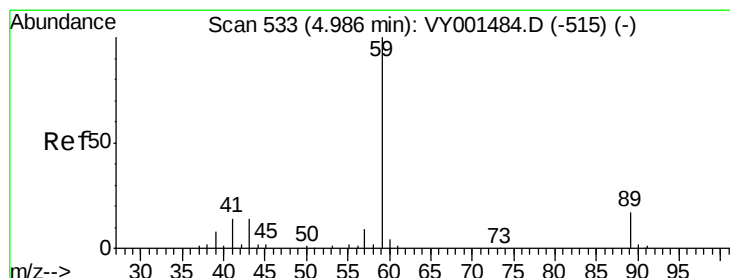
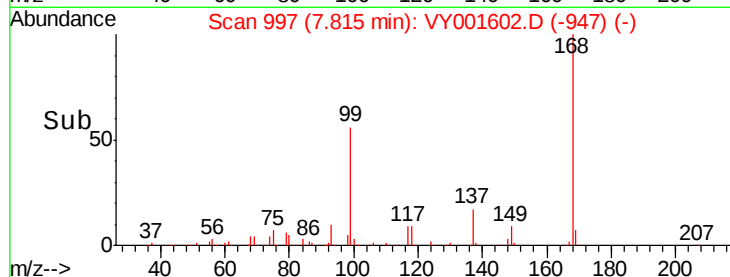
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 133.889 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY001602.D

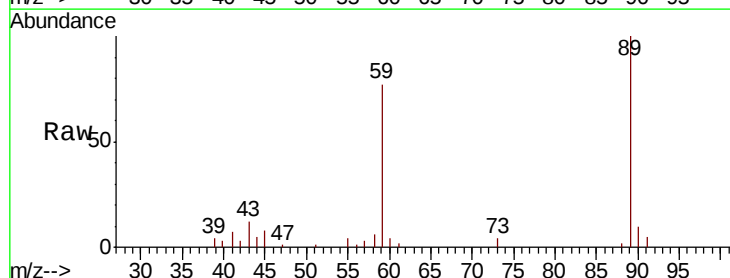
Acq: 11 Feb 2020 16:21

Tgt Ion: 59 Resp: 28184

Ion Ratio Lower Upper

59 100

57 6.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001484.D (-515) (-)

Ion 57.00 (56.70 to 57.70): VY001484.D (-515) (-)

4.97

5000

4000

3000

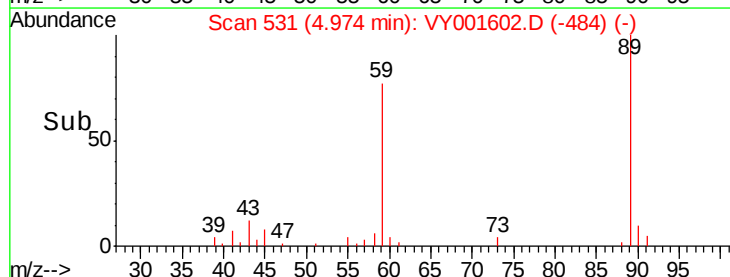
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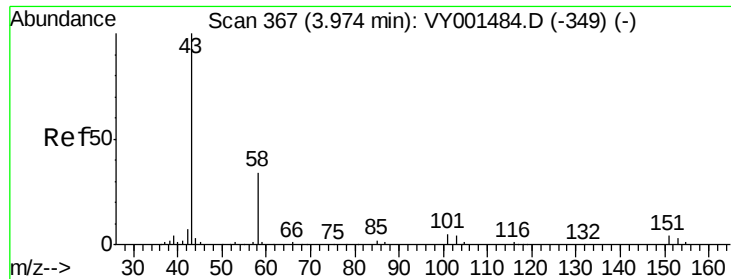
1000

0

4.80 4.90 5.00 5.10 5.20

Time-->

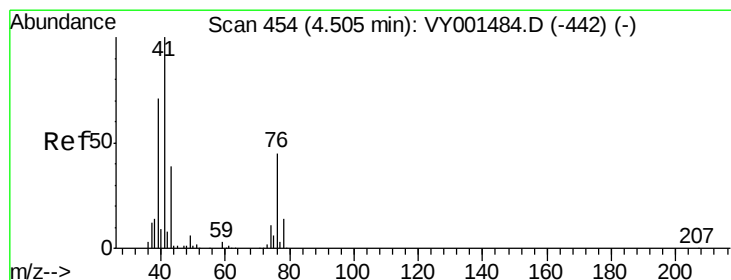
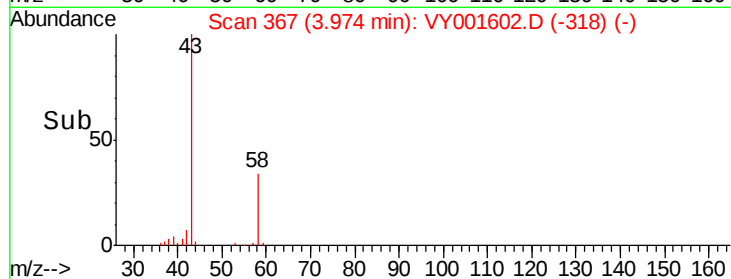
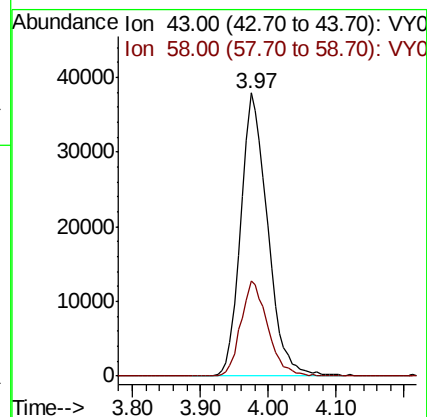
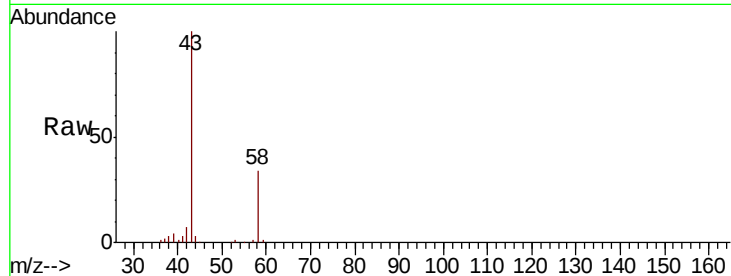




#16
Acetone
Concen: 214.846 ug/l
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

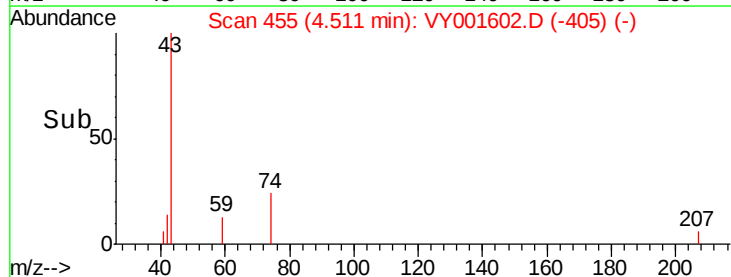
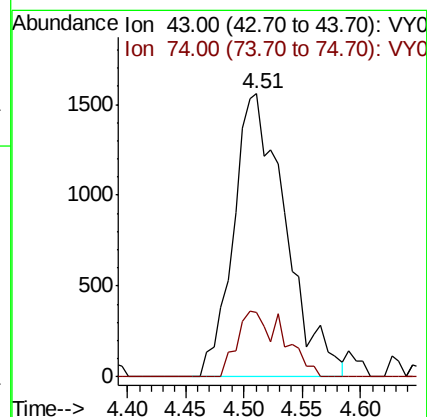
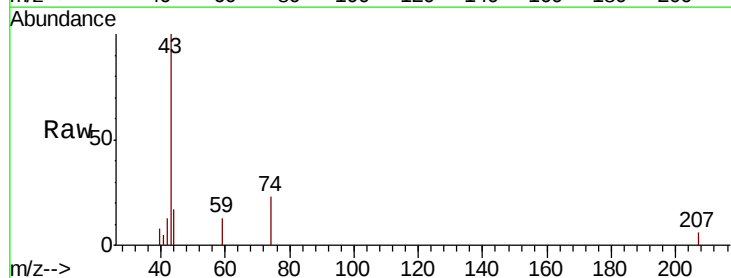
Instrument :
MSVOA_Y
ClientSampled :

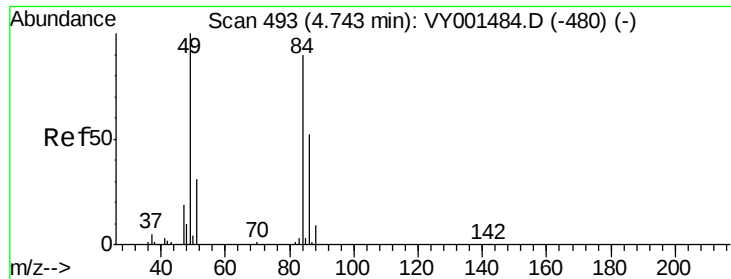
Tot Ion: 43 Resp: 104120
Ion Ratio Lower Upper
43 100
58 33.5 27.5 41.3



#18
Methyl Acetate
Concen: 4.695 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Tgt Ion: 43 Resp: 4856
Ion Ratio Lower Upper
43 100
74 13.3 21.0 31.6#



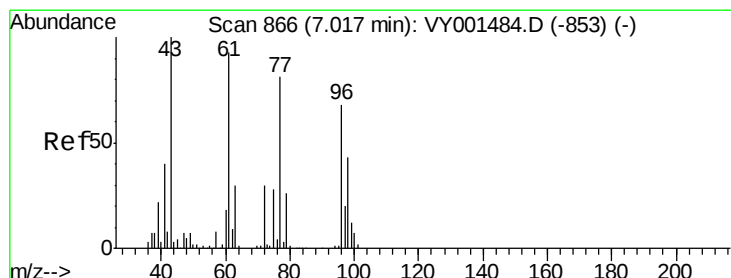
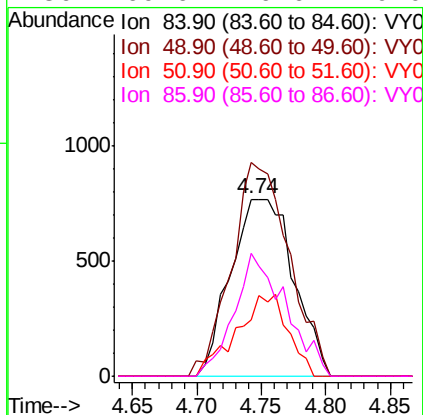
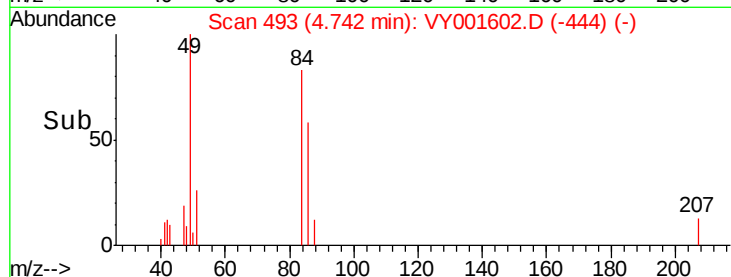
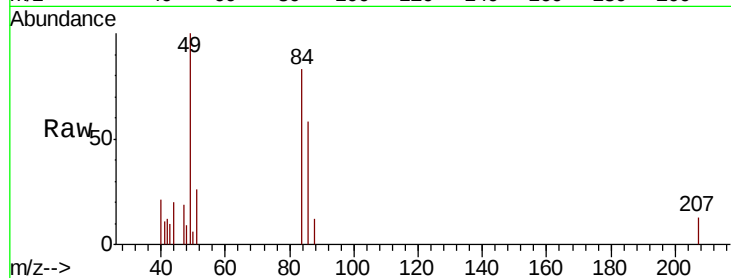


#20
Methvlene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 2622

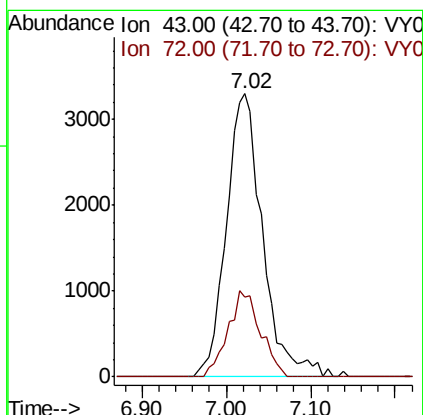
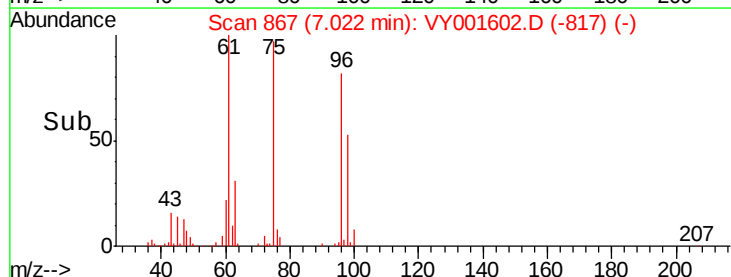
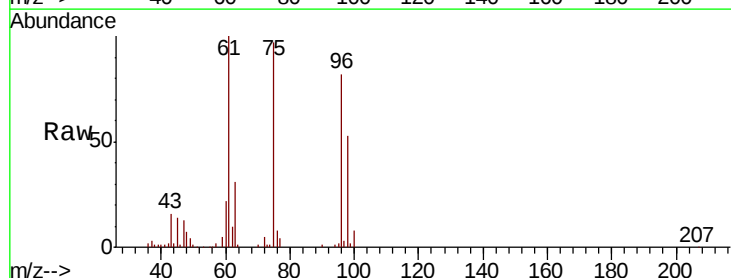
Ion	Ratio	Lower	Upper
84	100		
49	120.5	89.0	133.6
51	31.4	27.4	41.2
86	69.6	46.6	70.0

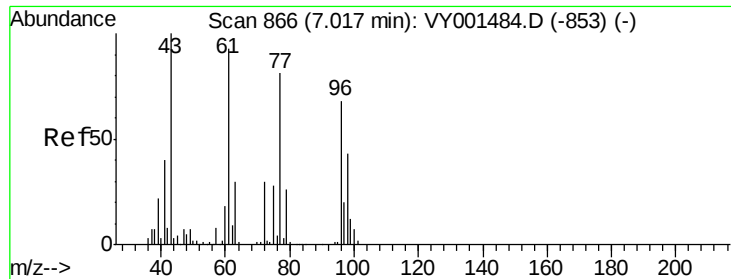


#25
2-Butanone
Concen: 15.325 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Tgt Ion: 43 Resp: 9635

Ion	Ratio	Lower	Upper
43	100		
72	28.4	23.8	35.8



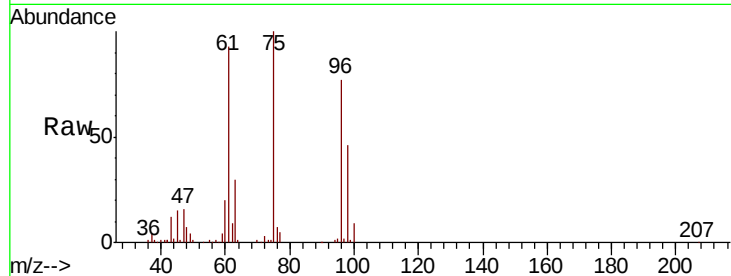


#27

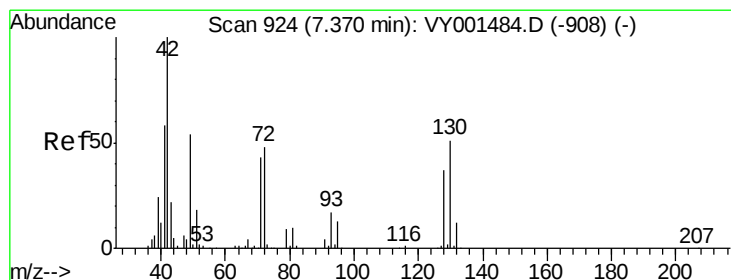
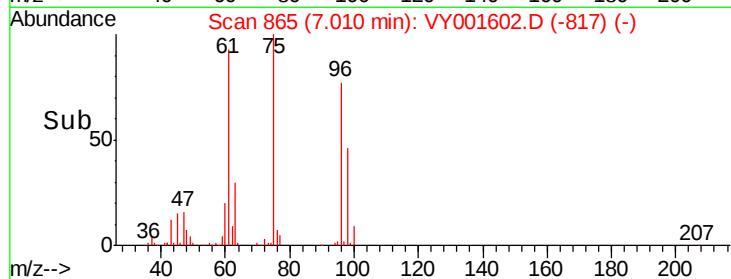
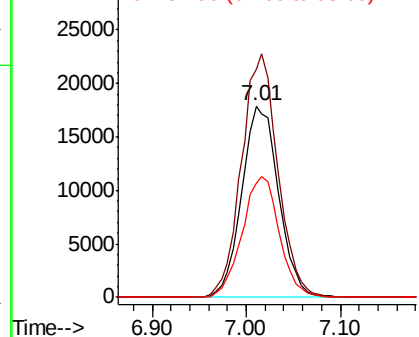
cis-1,2-Dichloroethene
Concen: 23.023 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 48905
Ion Ratio Lower Upper
96 100
61 125.7 0.0 278.8
98 63.6 0.0 128.8



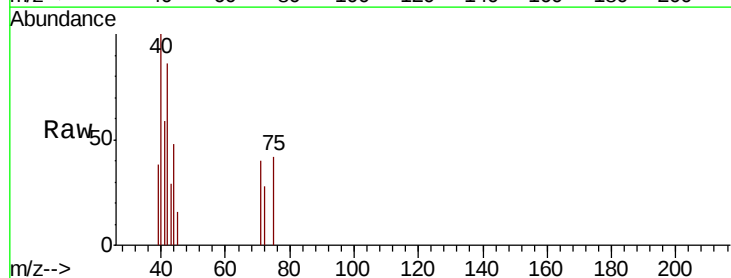
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



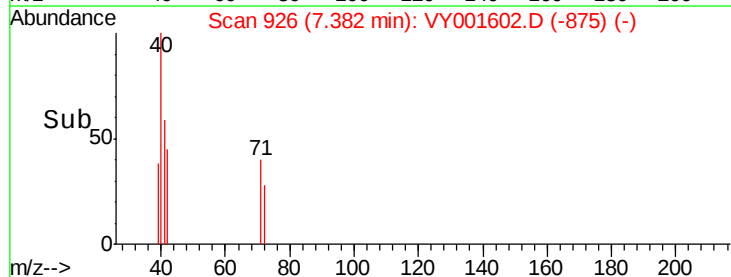
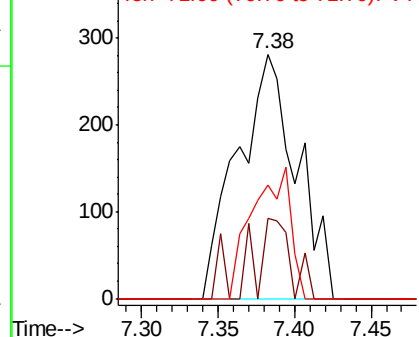
#29

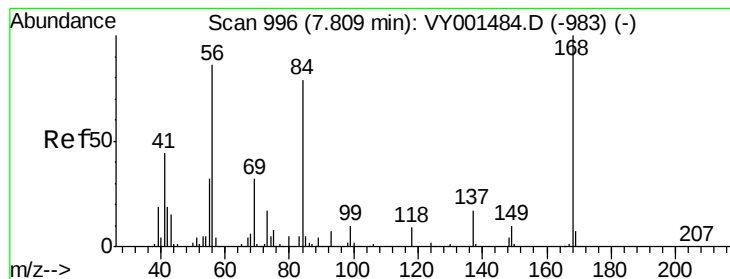
Tetrahydrofuran
Concen: 2.009 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Tgt Ion: 42 Resp: 757
Ion Ratio Lower Upper
42 100
72 19.2 37.8 56.6#
71 35.1 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

Instrument :
MSVOA_Y
ClientSampleId :

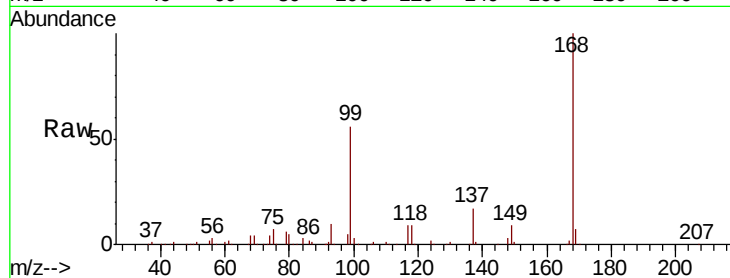
Tot Ion: 56 Resp: 3939

Ion Ratio Lower Upper

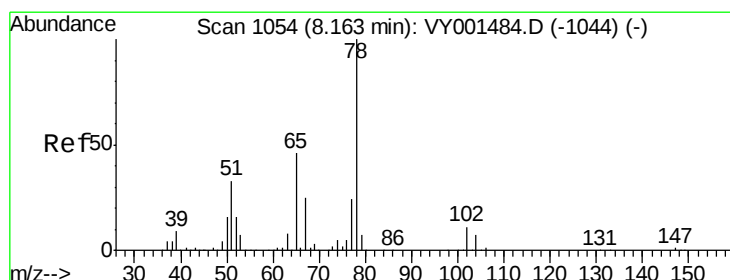
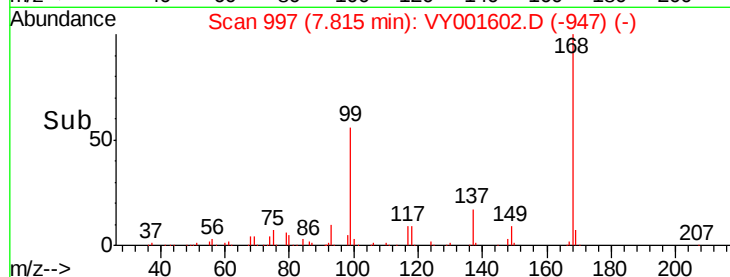
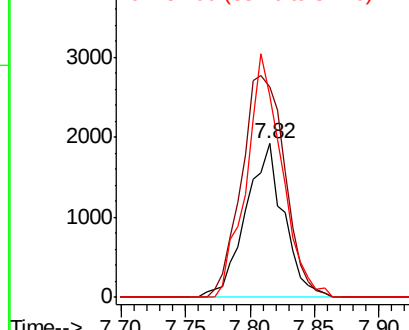
56 100

69 137.0 29.6 44.4#

84 130.9 73.6 110.4#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 60.205 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY001602.D

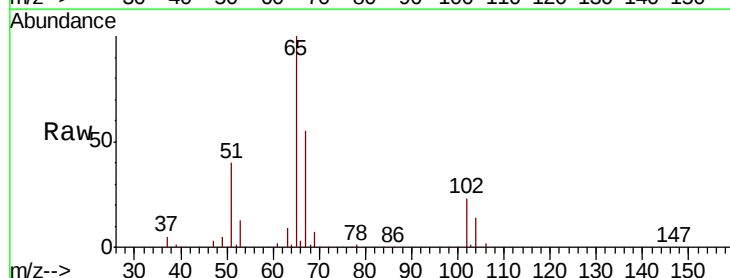
Acq: 11 Feb 2020 16:21

Tgt Ion: 65 Resp: 100868

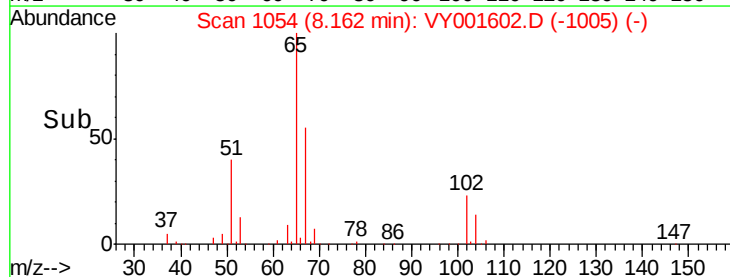
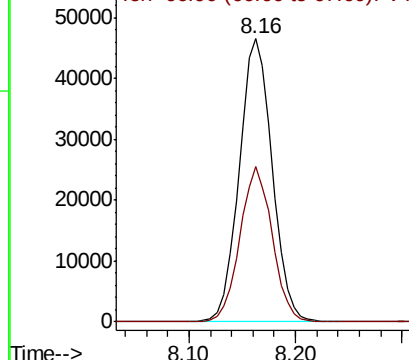
Ion Ratio Lower Upper

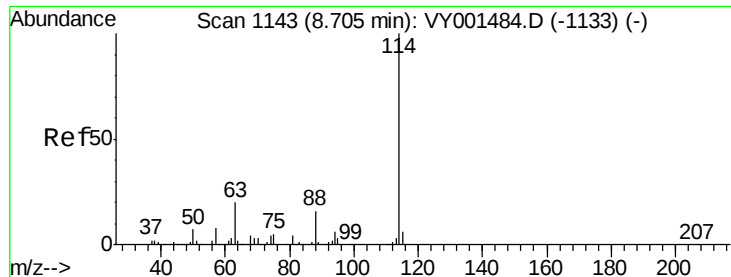
65 100

67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

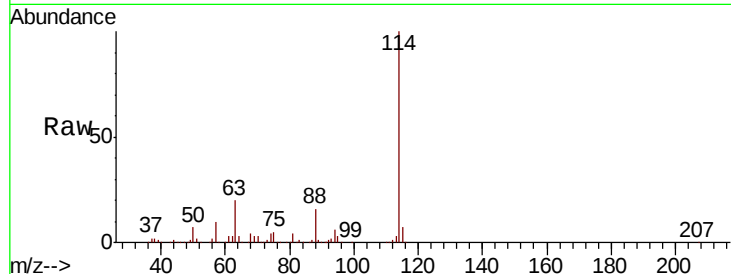




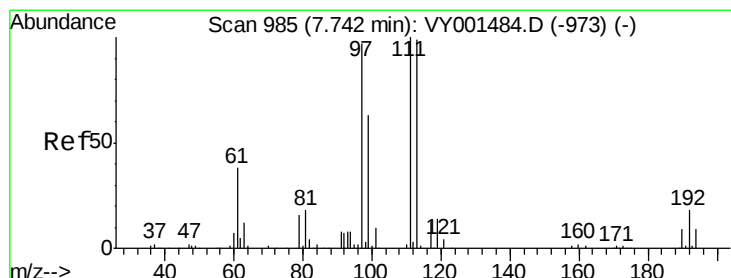
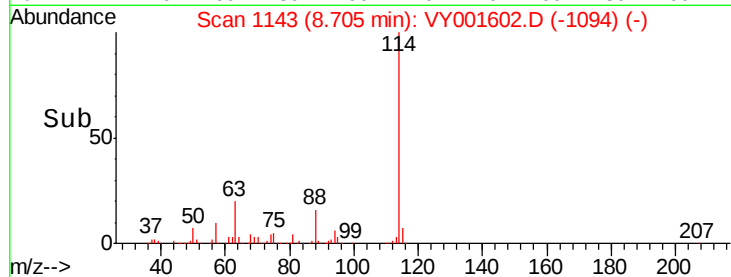
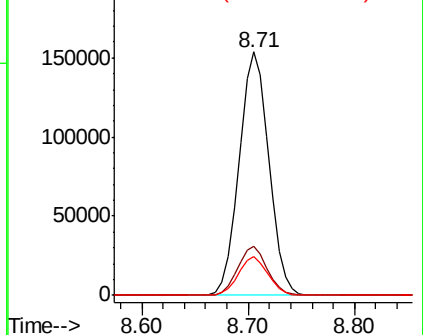
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY001602.D
 Acq: 11 Feb 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.8
88	16.0	0.0	32.6

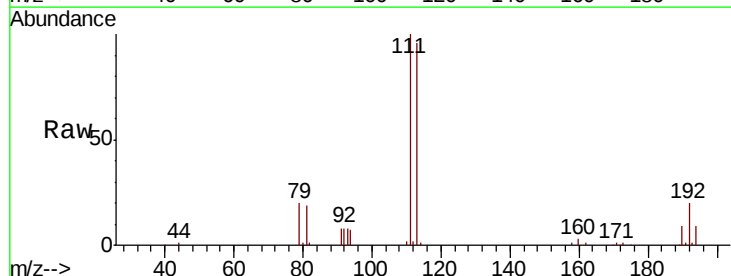


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

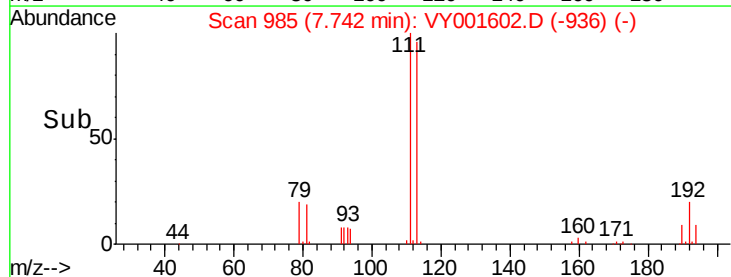
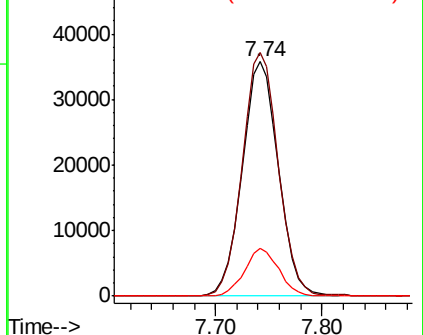


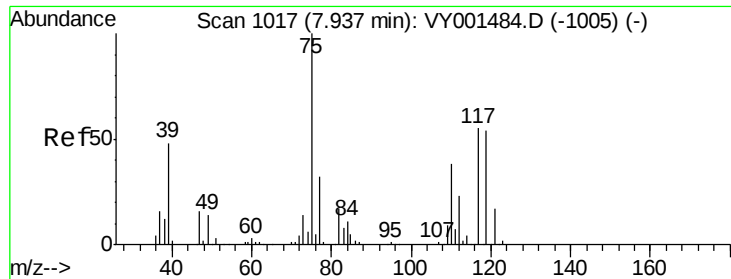
#35
 Dibromofluoromethane
 Concen: 49.209 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VY001602.D
 Acq: 11 Feb 2020 16:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	19.4	14.6	22.0



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

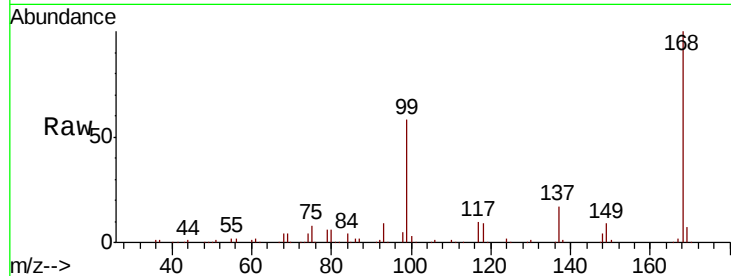




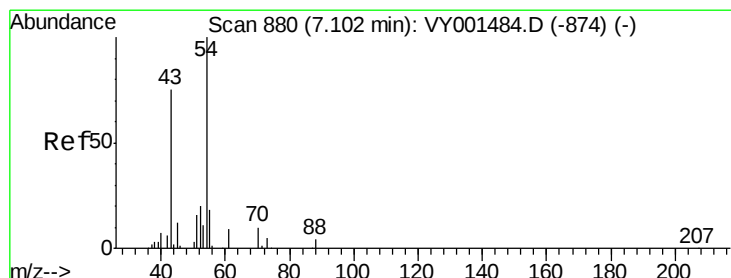
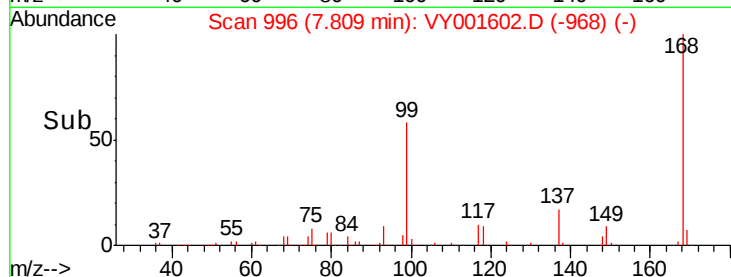
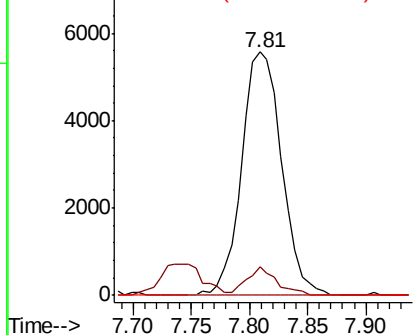
#36
 1,1-Dichloropropene
 Concen: 4.849 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001602.D
 Acq: 11 Feb 2020 16:21

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	75	Resp	13366
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	25.0	37.4#

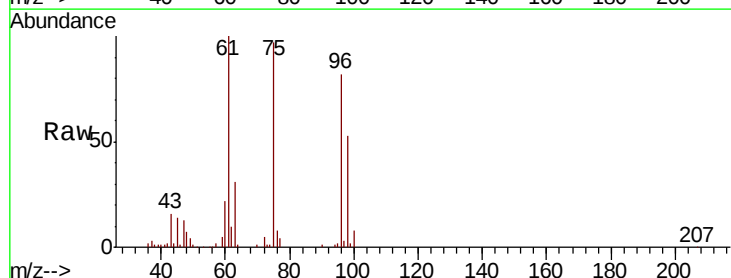


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

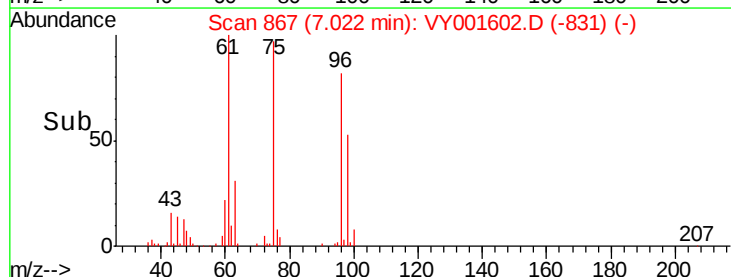
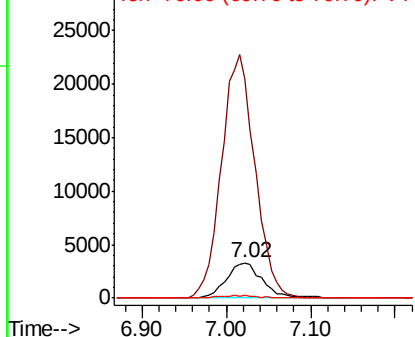


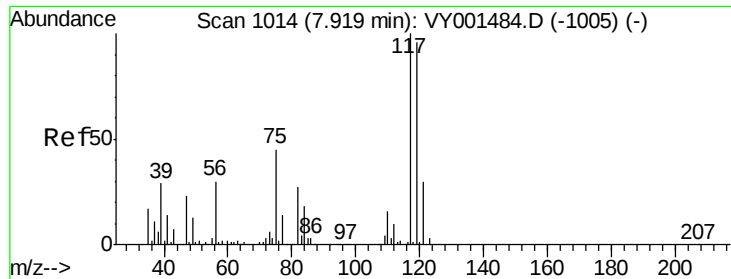
#37
 Ethyl Acetate
 Concen: 7.220 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.08 min
 Lab File: VY001602.D
 Acq: 11 Feb 2020 16:21

Tgt Ion	43	Resp	9635
Ion Ratio	100	Lower	Upper
43	100		
61	638.2	12.0	18.0#
70	7.5	10.2	15.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 70.00 (69.70 to 70.70): VY0





#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

Instrument :

MSVOA_Y

ClientSampleId :

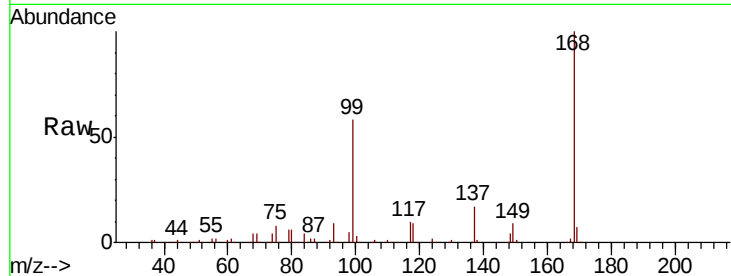
Tot Ion:117 Resp: 16096

Ion Ratio Lower Upper

117 100

119 3.8 76.4 114.6#

121 0.0 24.2 36.4#

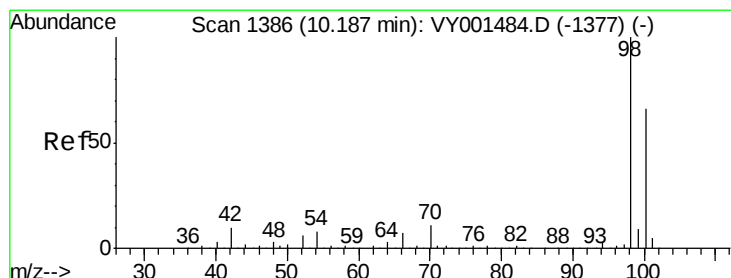
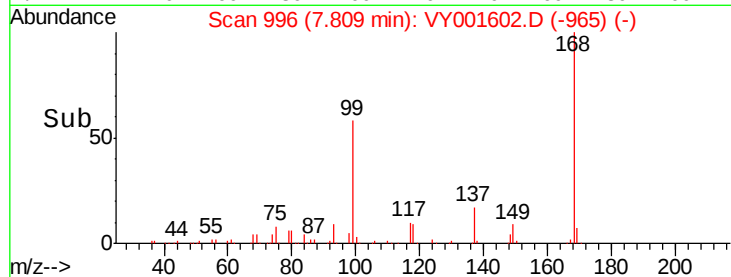
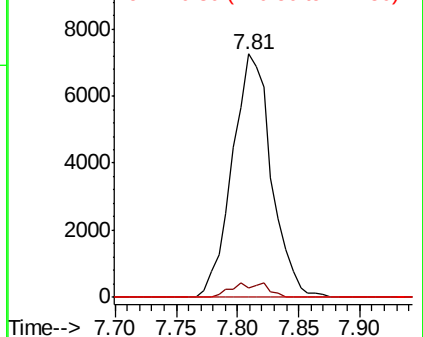


Abundance

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: 54.833 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001602.D

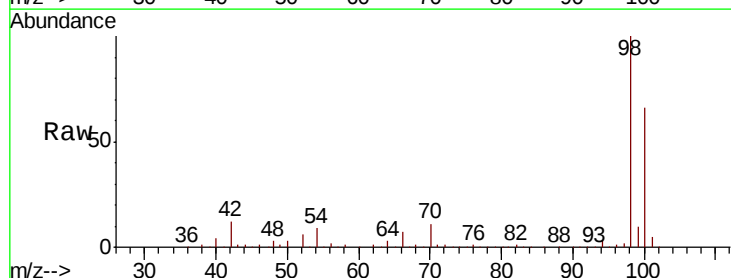
Acq: 11 Feb 2020 16:21

Tgt Ion: 98 Resp: 360494

Ion Ratio Lower Upper

98 100

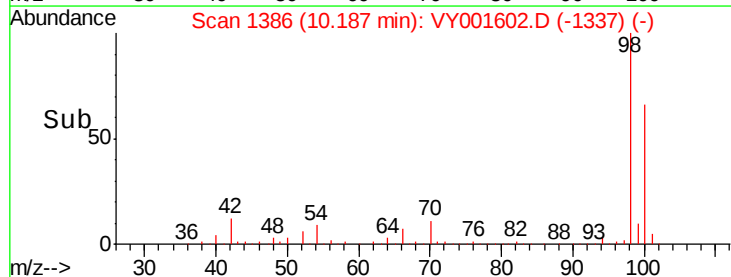
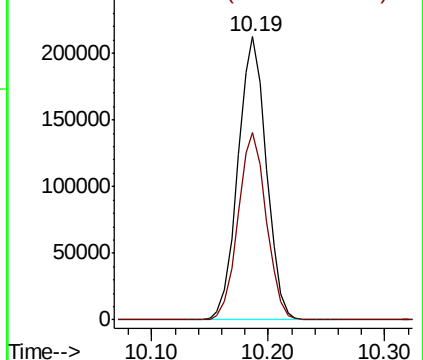
100 65.7 53.0 79.6

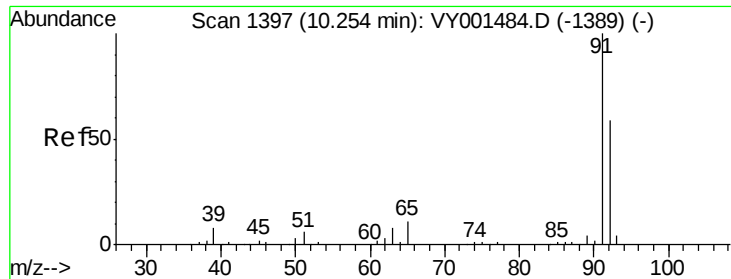


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.688 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

Instrument :

MSVOA_Y

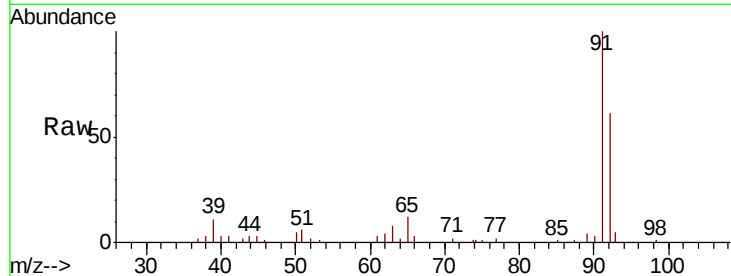
ClientSampleId :

Tot Ion: 92 Resp: 8420

Ion Ratio Lower Upper

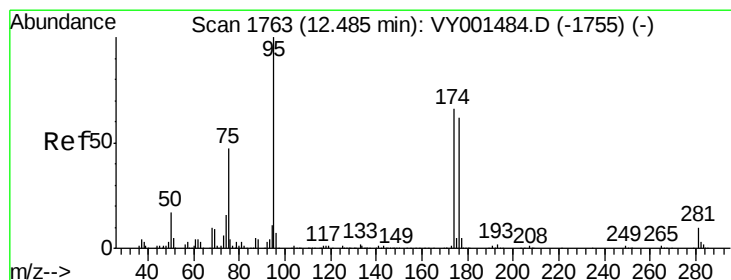
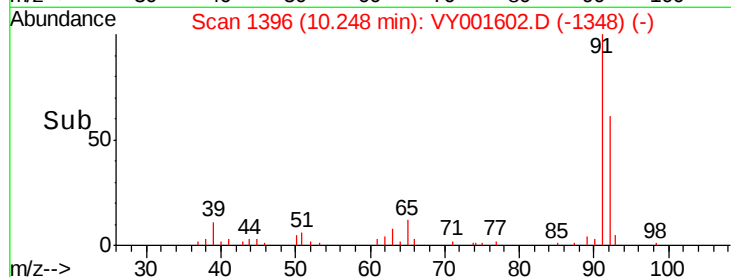
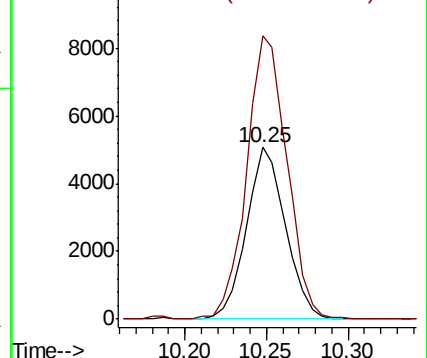
92 100

91 170.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#62

4-Bromofluorobenzene

Concen: 46.665 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

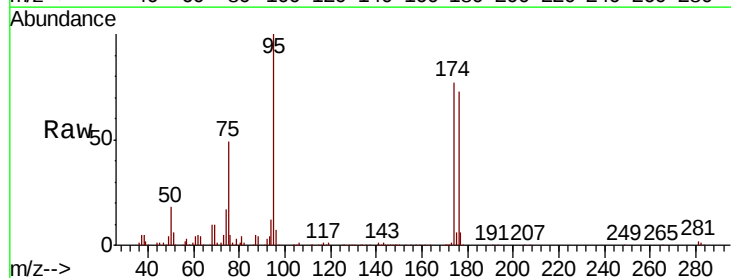
Tgt Ion: 95 Resp: 120862

Ion Ratio Lower Upper

95 100

174 75.9 0.0 141.4

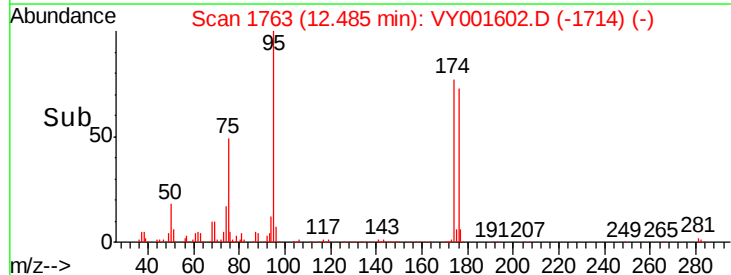
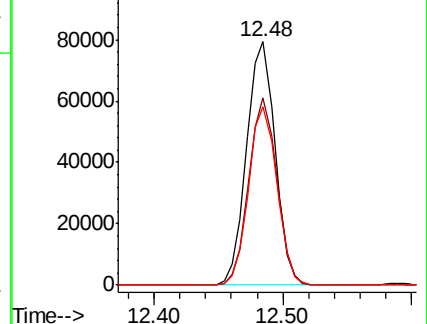
176 72.8 0.0 135.4

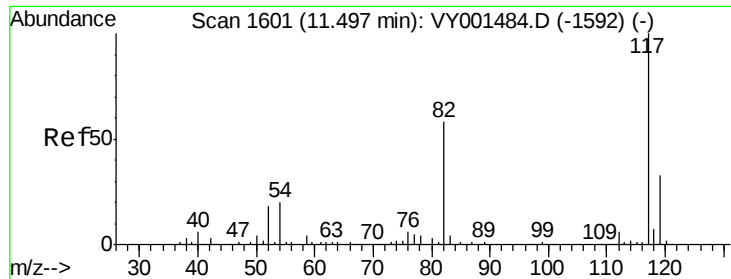


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

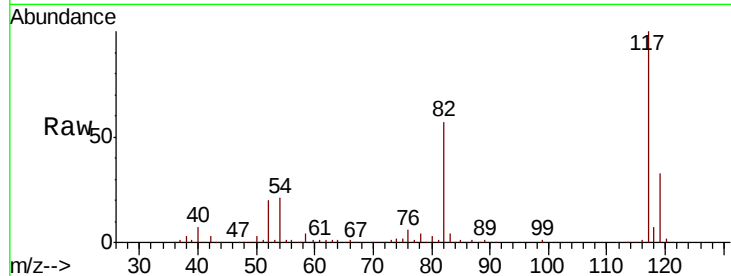




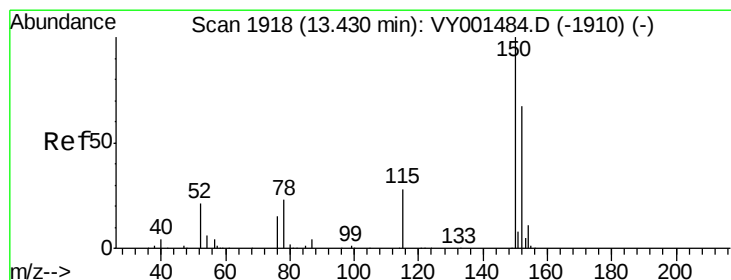
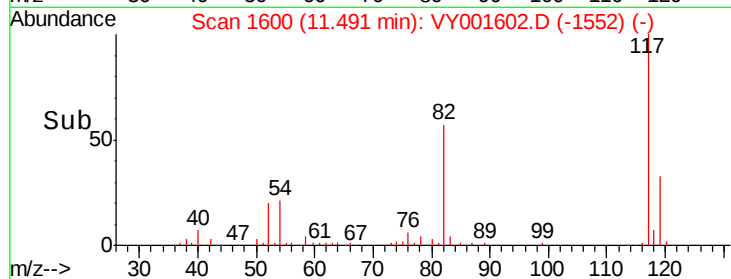
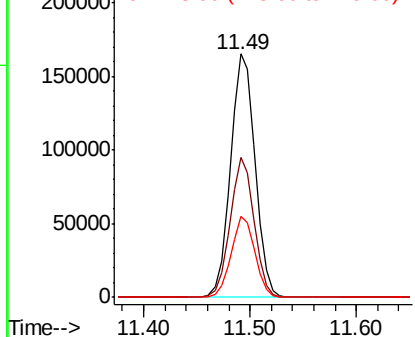
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 266413
Ion Ratio Lower Upper
117 100
82 57.5 46.1 69.1
119 33.1 26.1 39.1

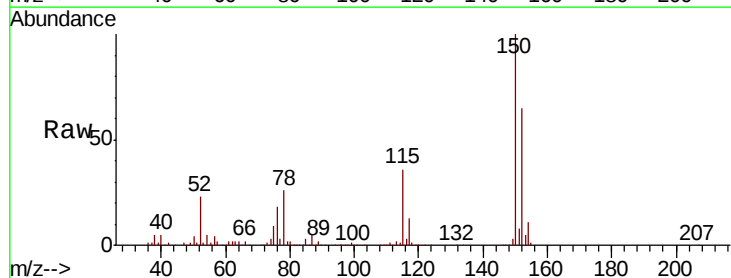


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

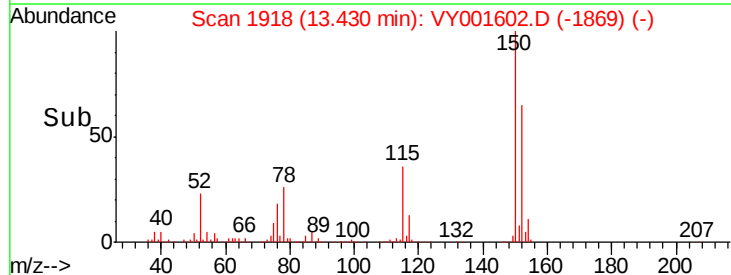
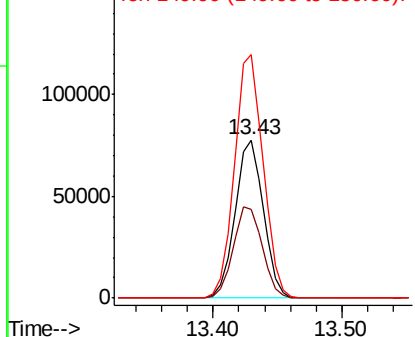


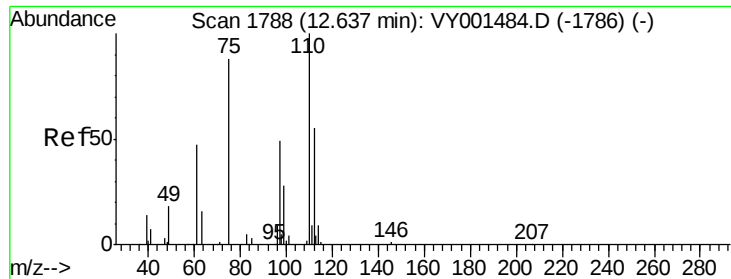
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001602.D
Acq: 11 Feb 2020 16:21

Tgt Ion:152 Resp: 117790
Ion Ratio Lower Upper
152 100
115 59.4 31.4 94.3
150 156.7 0.0 346.8



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: 47.372 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

Instrument :

MSVOA_Y

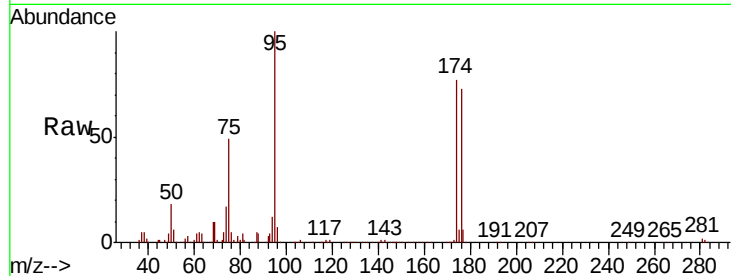
ClientSampled :

Tot Ion: 75 Resp: 60007

Ion Ratio Lower Upper

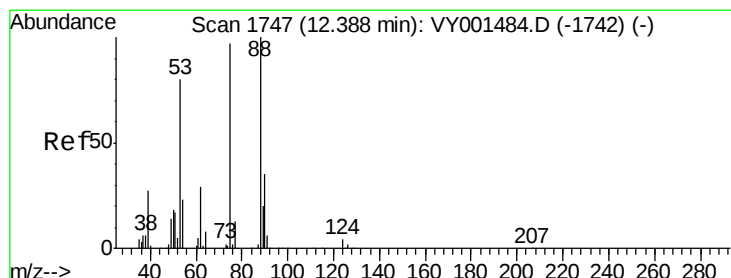
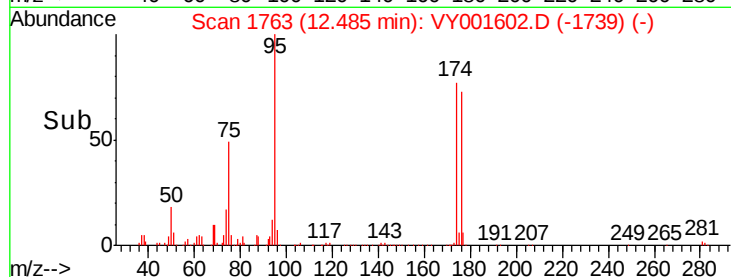
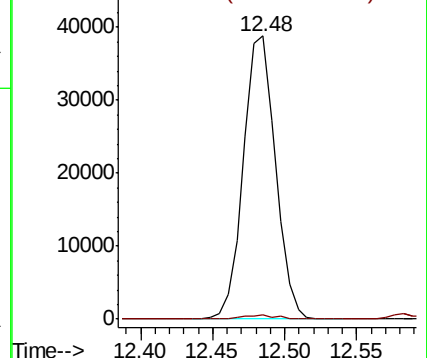
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 91.663 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001602.D

Acq: 11 Feb 2020 16:21

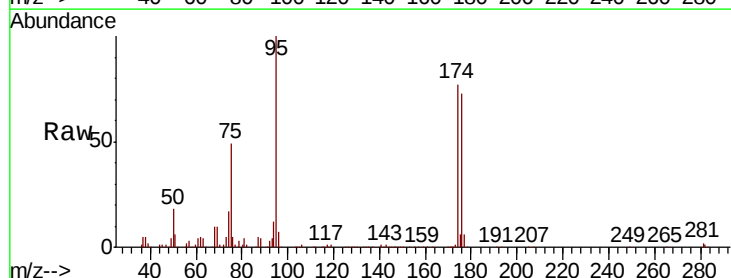
Tgt Ion: 75 Resp: 60007

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

