

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003109.D
 Acq On : 06 Jul 2020 13:37
 Operator : SY/MD
 Sample : L3202-01
 Misc : 5.38G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-COMP

Quant Time: Jul 07 07:03:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	446838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	426864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	196312	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	155716	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
35) Dibromofluoromethane	7.72	113	149476	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.18	98	550143	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.48	95	188356	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

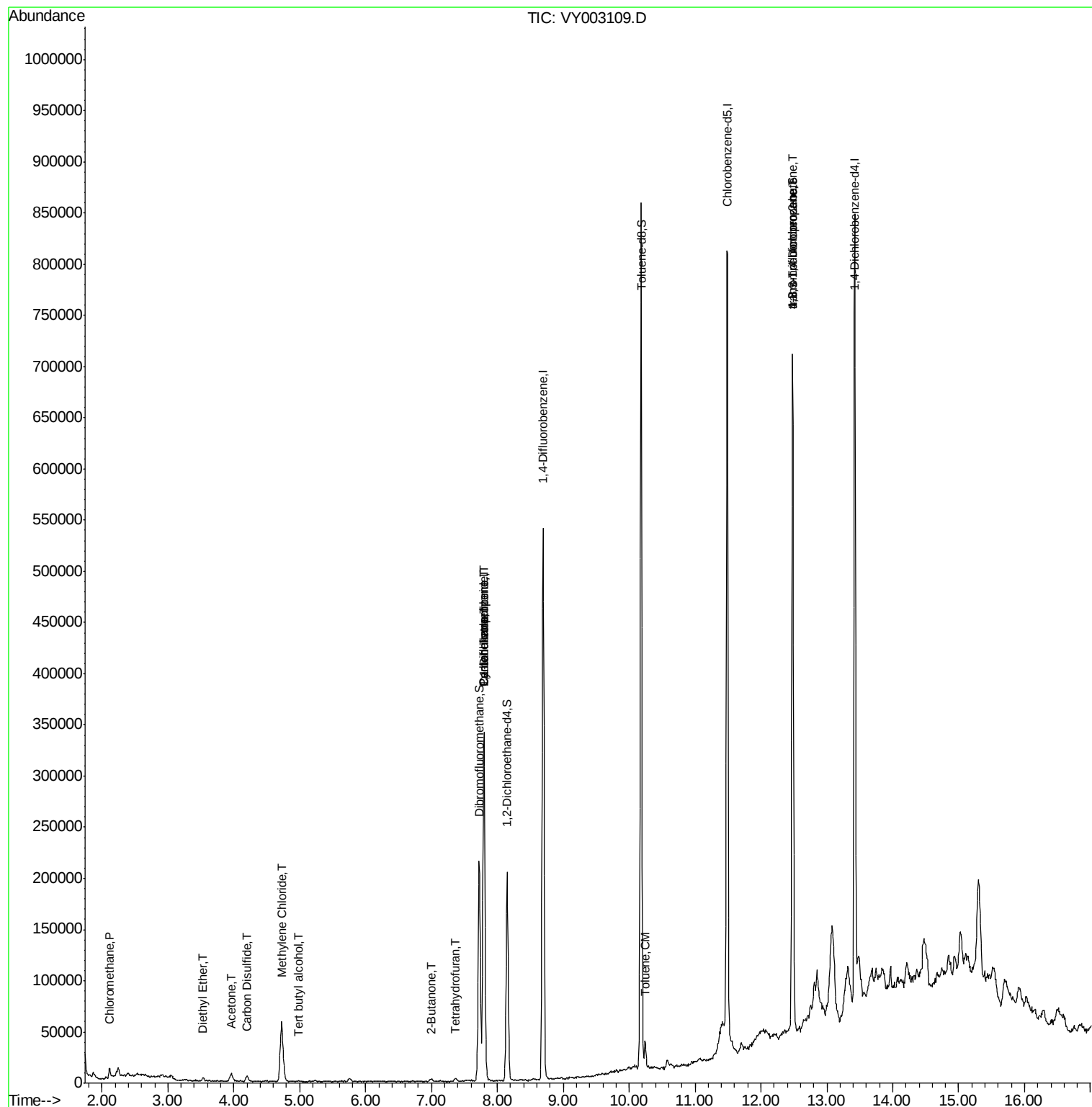
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	7367	2.348	ug/l	98
8) Diethyl Ether	3.53	74	2012	1.359	ug/l	99
11) Tert butyl alcohol	4.98	59	448	1.565	ug/l #	73
16) Acetone	3.96	43	14253	21.510	ug/l	94
17) Carbon Disulfide	4.20	76	10365	1.322	ug/l	98
20) Methylene Chloride	4.72	84	43316	8.923	ug/l	95
25) 2-Butanone	7.00	43	1508	1.433	ug/l	98
29) Tetrahydrofuran	7.36	42	2488	3.554	ug/l	94
31) Cyclohexane	7.80	56	5232	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	18928	4.398	ug/l #	52
38) Carbon Tetrachloride	7.80	117	24783	5.534	ug/l #	17
52) Toluene	10.24	92	10051	1.355	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	97310	50.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	97310	97.445	ug/l #	12

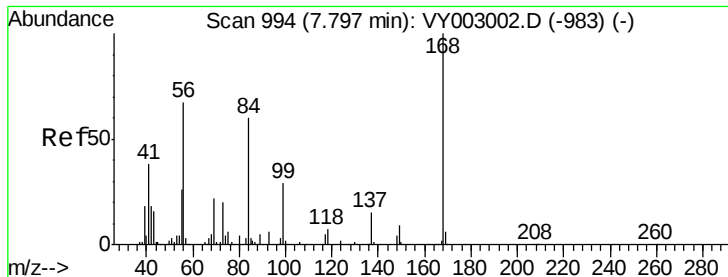
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

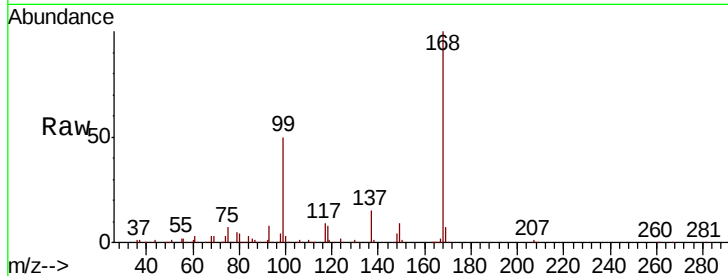
RO-COMP

Tot Ion:168 Resp: 282875

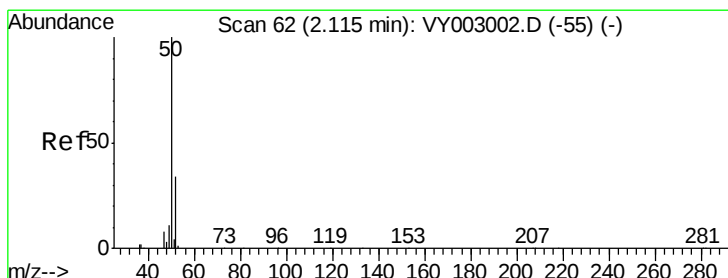
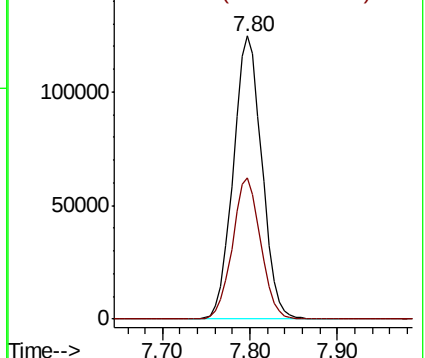
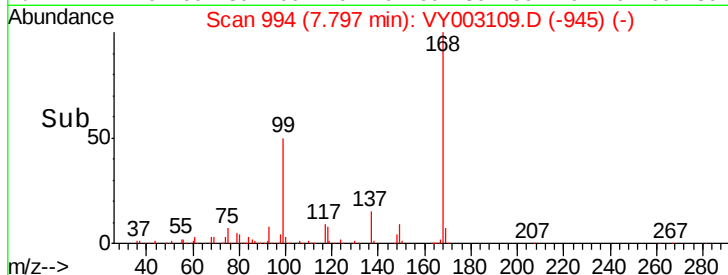
Ion Ratio Lower Upper

168 100

99 50.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003109.D (-945) (-)



#3

Chloromethane

Concen: 2.348 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY003109.D

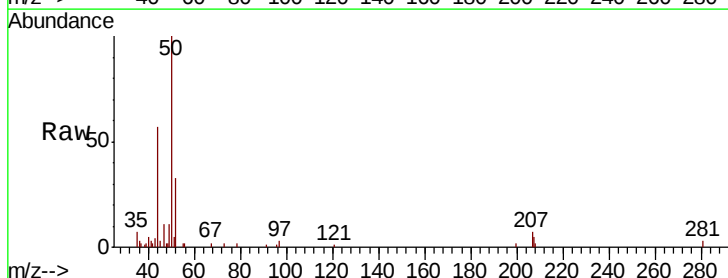
Acq: 06 Jul 2020 13:37

Tgt Ion: 50 Resp: 7367

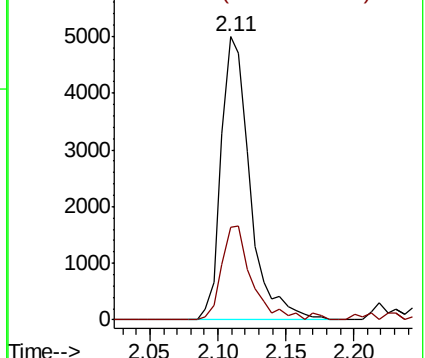
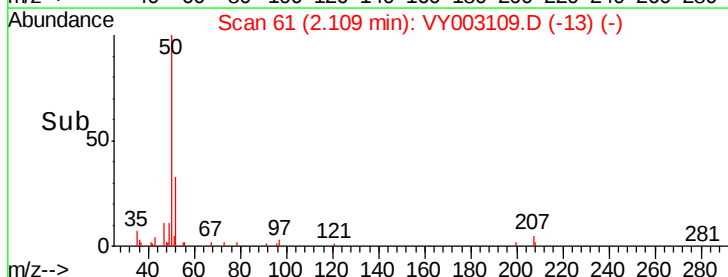
Ion Ratio Lower Upper

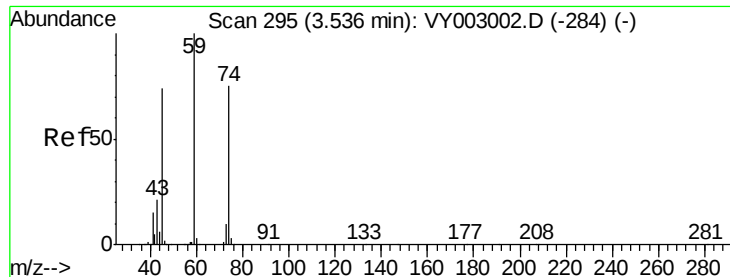
50 100

52 32.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003109.D (-13) (-)





#8

Diethyl Ether

Concen: 1.359 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

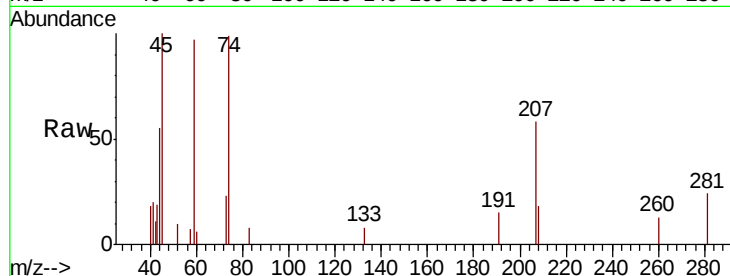
RO-COMP

Tot Ion: 74 Resp: 2012

Ion Ratio Lower Upper

74 100

45 99.9 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

3.53

1000

800

600

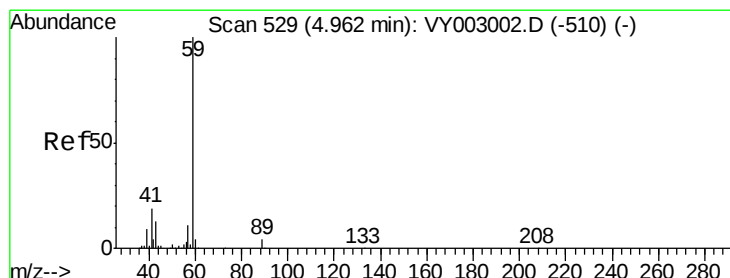
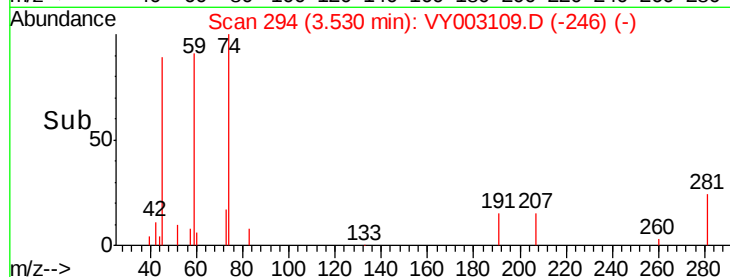
400

200

0

3.45 3.50 3.55 3.60

Time-->



#11

Tert butyl alcohol

Concen: 1.565 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.02 min

Lab File: VY003109.D

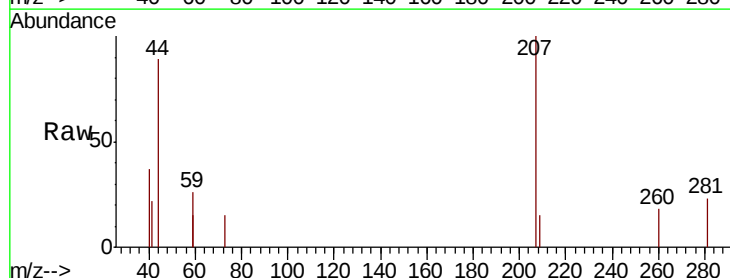
Acq: 06 Jul 2020 13:37

Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.98

200

150

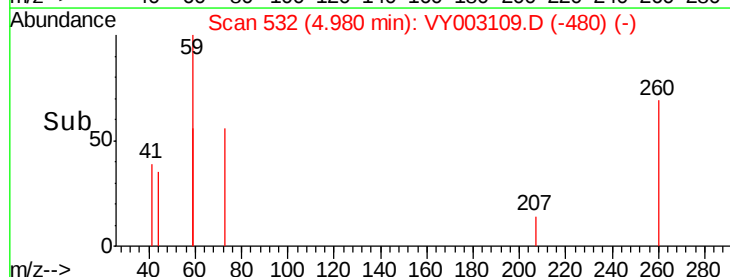
100

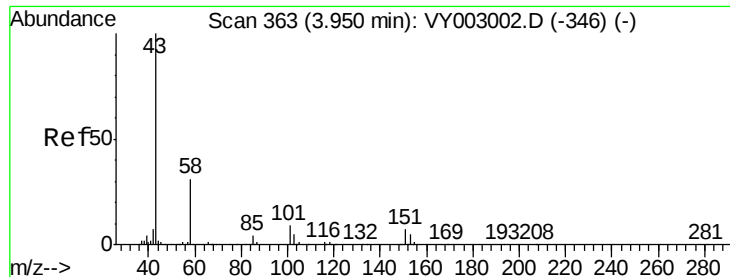
50

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 21.510 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

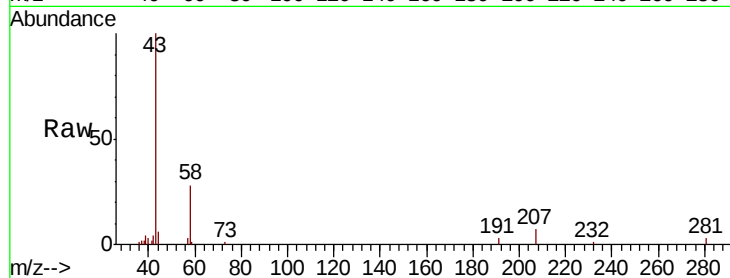
RO-COMP

Tot Ion: 43 Resp: 14253

Ion Ratio Lower Upper

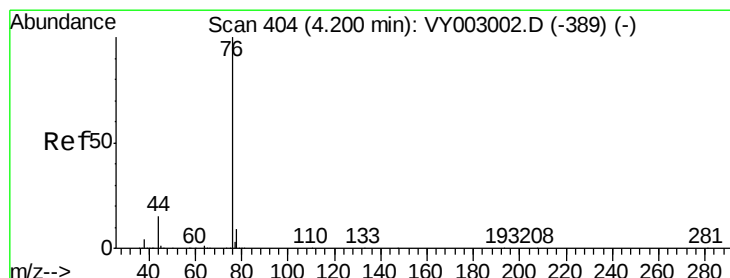
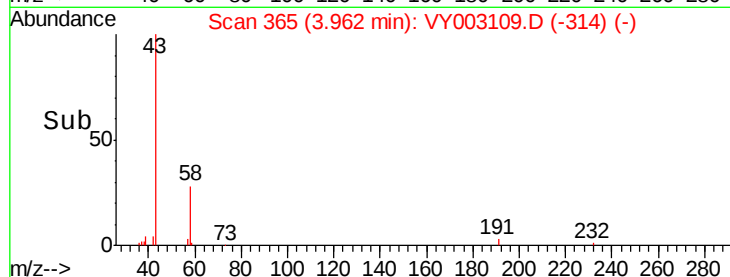
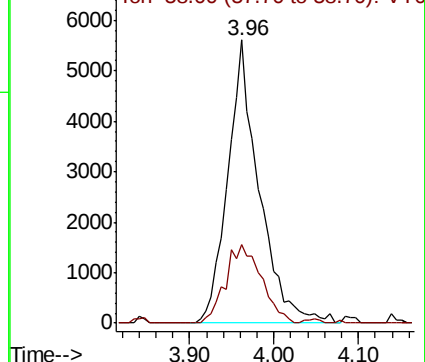
43 100

58 27.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY003109.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VY003109.D (-365) (-)



#17

Carbon Disulfide

Concen: 1.322 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003109.D

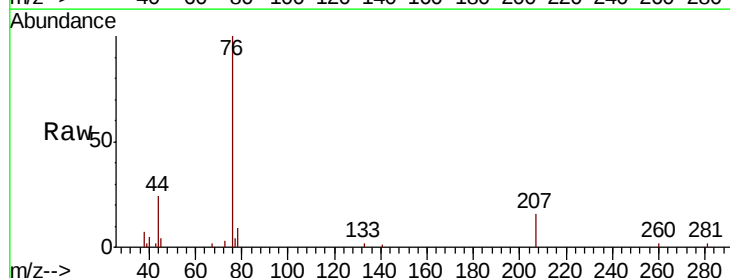
Acq: 06 Jul 2020 13:37

Tgt Ion: 76 Resp: 10365

Ion Ratio Lower Upper

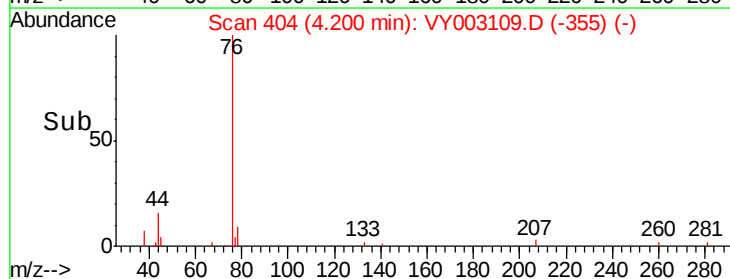
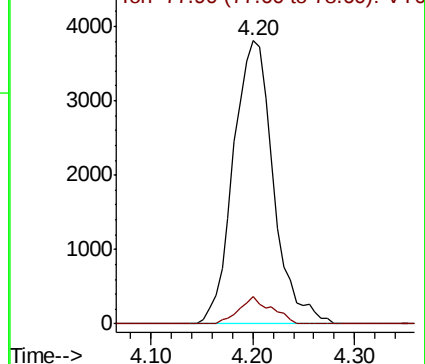
76 100

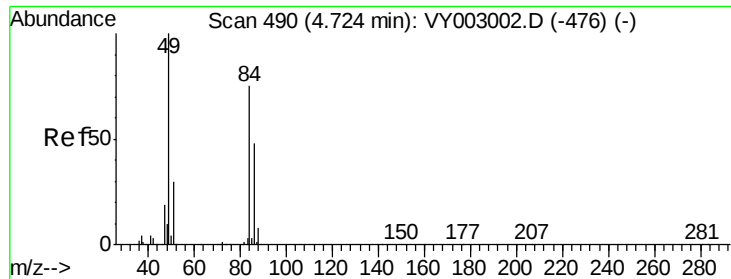
78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY003109.D (-404) (-)

Ion 77.90 (77.60 to 78.60): VY003109.D (-404) (-)

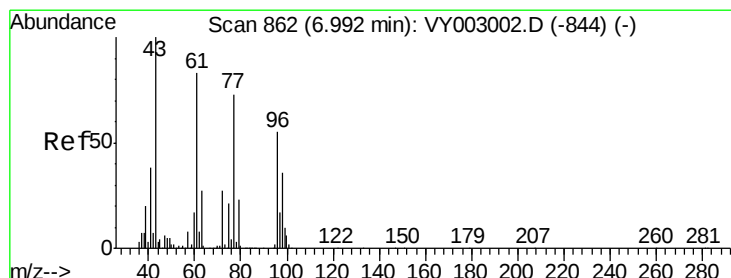
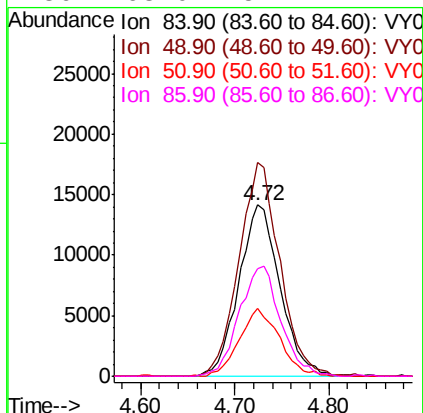
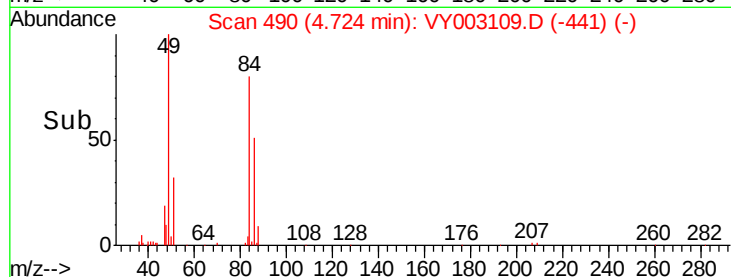
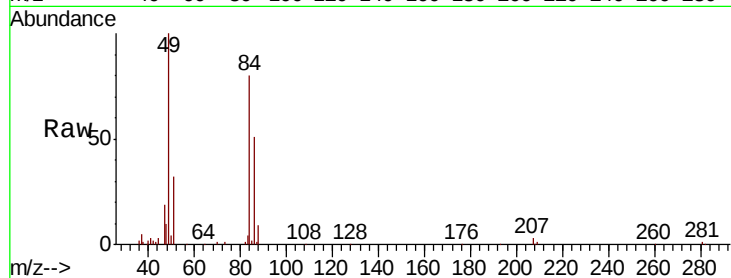




#20
Methvlene Chloride
Concen: 8.923 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003109.D
Acq: 06 Jul 2020 13:37

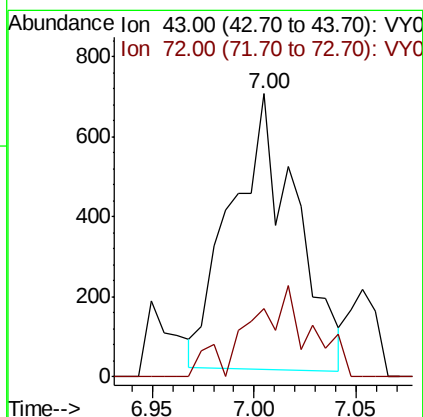
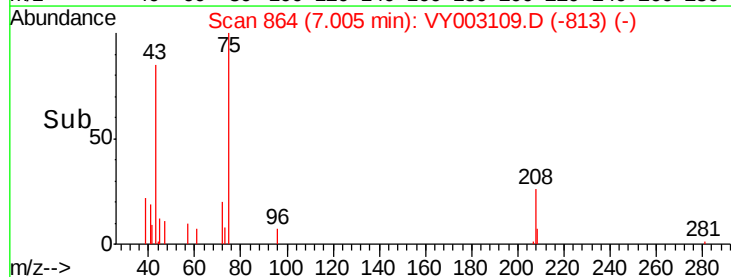
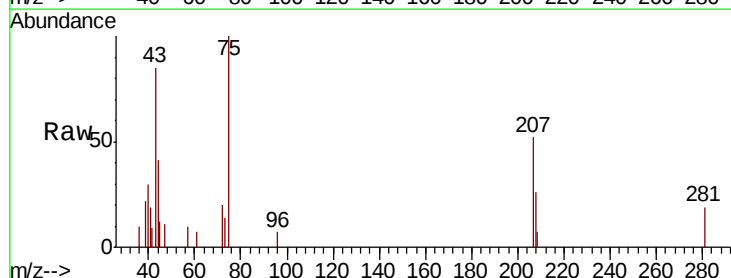
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

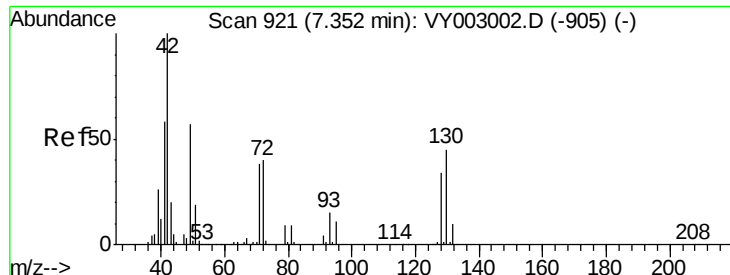
Tot Ion: 84 Resp: 43316
Ion Ratio Lower Upper
84 100
49 124.7 106.8 160.2
51 39.5 32.0 48.0
86 63.0 51.4 77.2



#25
2-Butanone
Concen: 1.433 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003109.D
Acq: 06 Jul 2020 13:37

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.0





#29

Tetrahydrofuran

Concen: 3.554 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

RO-COMP

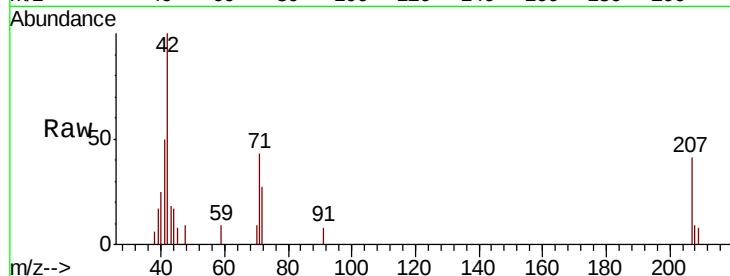
Tot Ion: 42 Resp: 2488

Ion Ratio Lower Upper

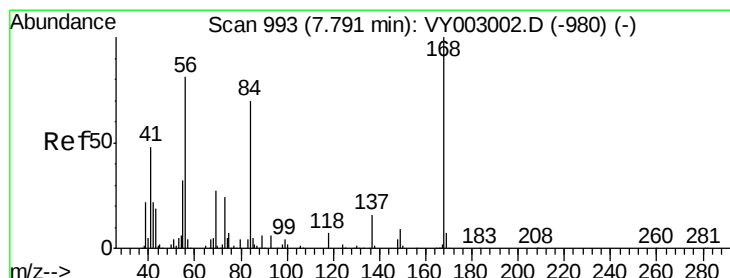
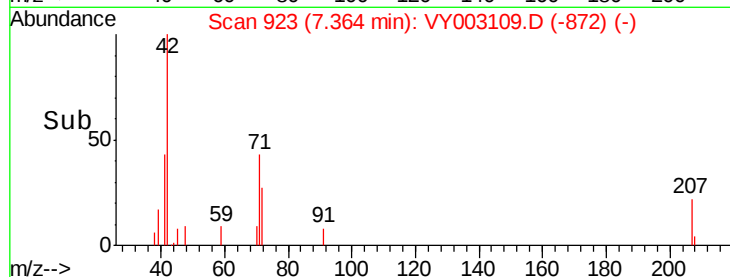
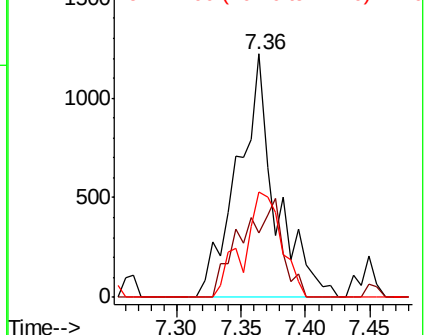
42 100

72 44.3 32.9 49.3

71 43.2 31.2 46.8



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: 1.059 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

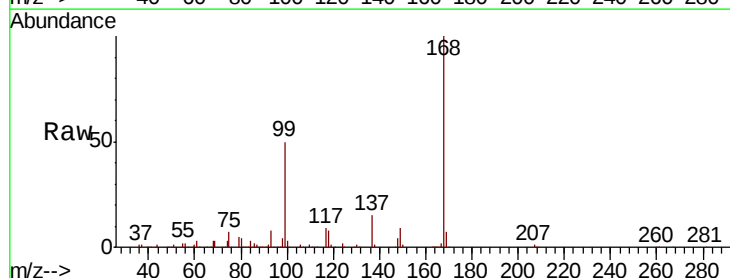
Tgt Ion: 56 Resp: 5232

Ion Ratio Lower Upper

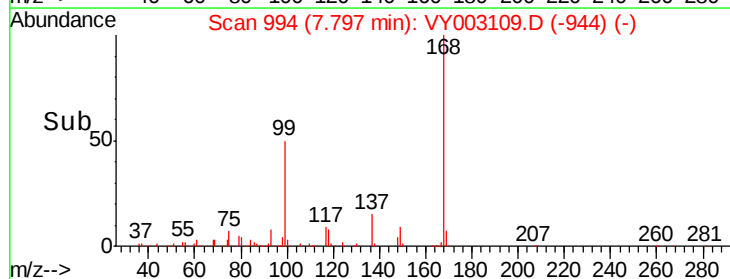
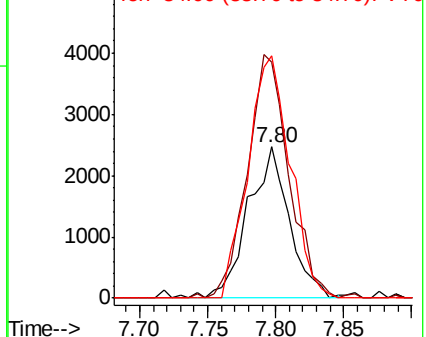
56 100

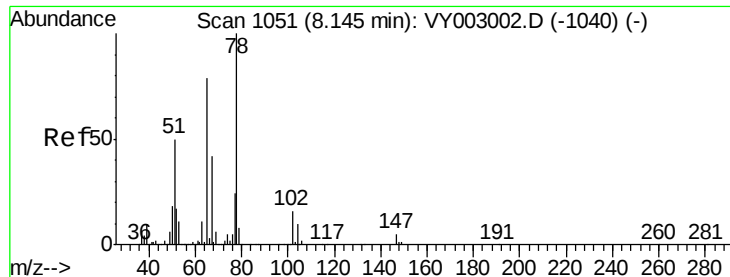
69 155.9 27.0 40.4#

84 160.0 68.1 102.1#



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

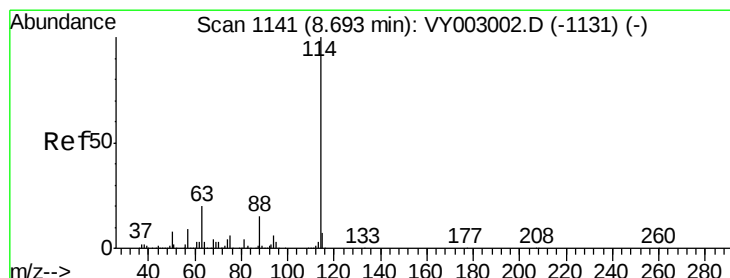
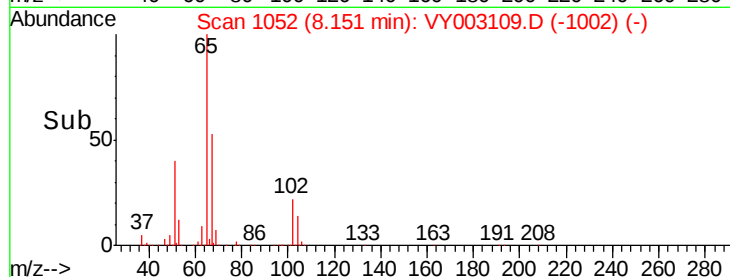
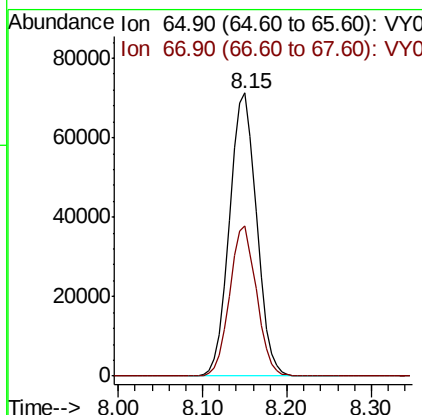
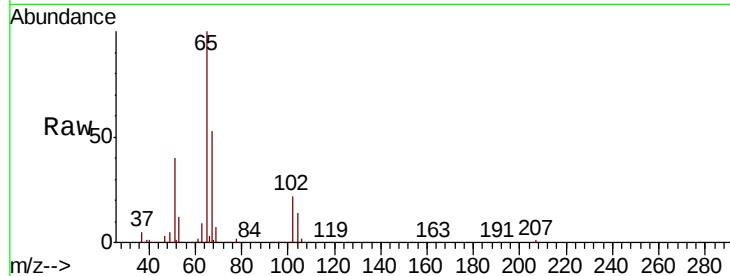




#33
 1,2-Dichloroethane-d4
 Concen: 55.424 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003109.D
 Acq: 06 Jul 2020 13:37

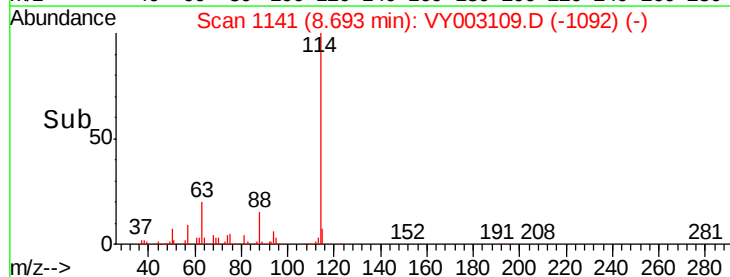
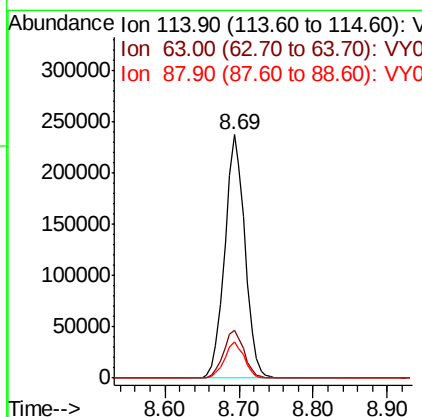
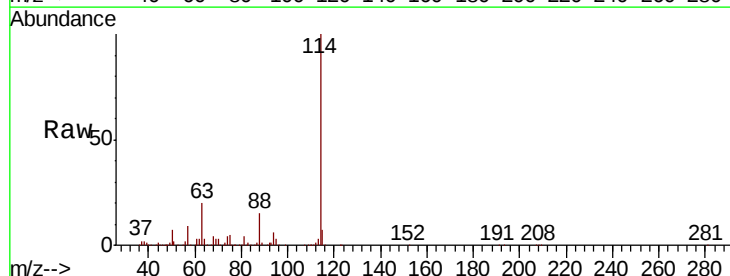
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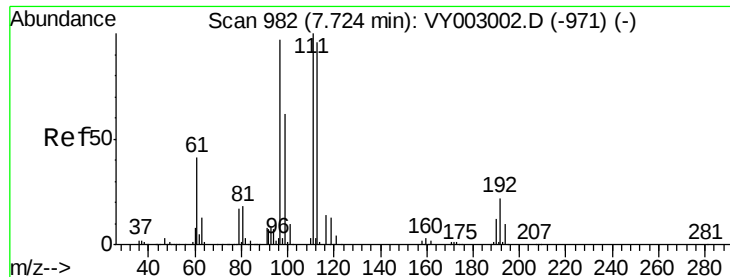
Tot Ion: 65 Resp: 155716
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003109.D
 Acq: 06 Jul 2020 13:37

Tgt Ion: 114 Resp: 446838
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 15.1 0.0 30.0

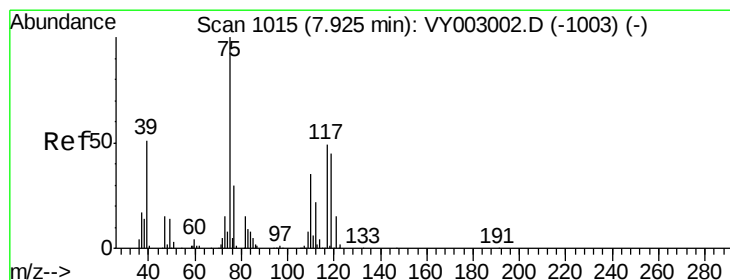
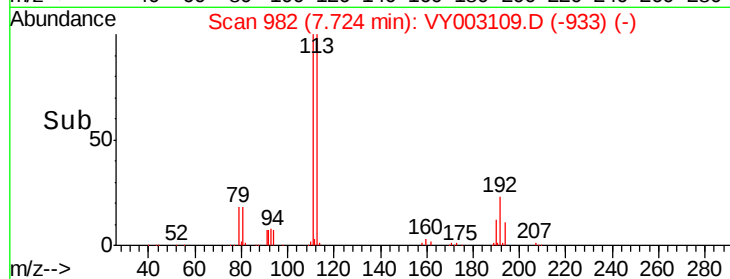
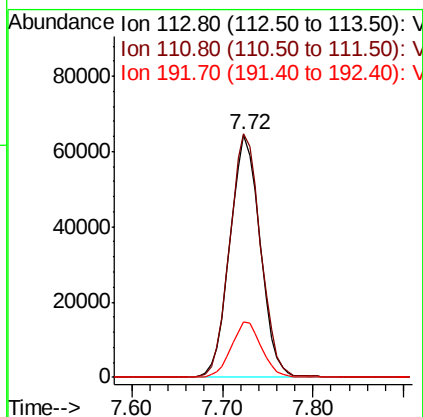
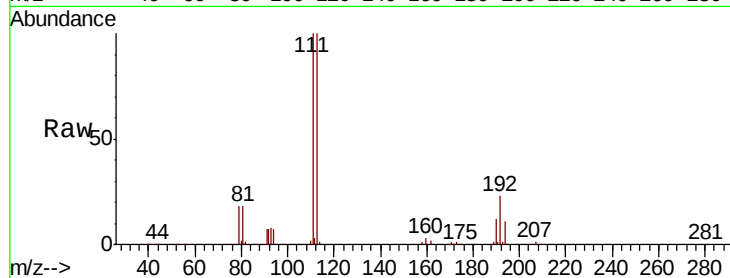




#35
 Dibromofluoromethane
 Concen: 53.625 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003109.D
 Acq: 06 Jul 2020 13:37

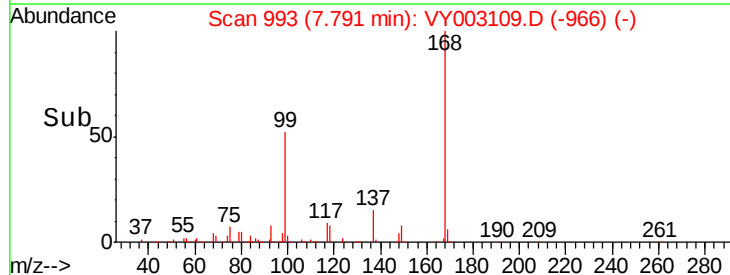
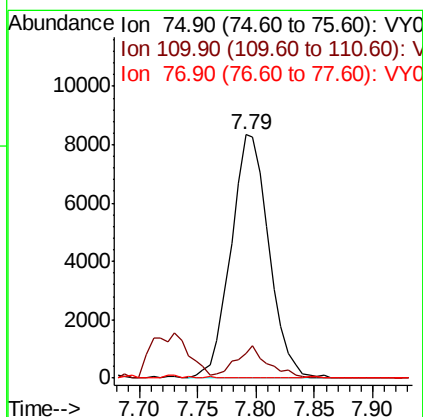
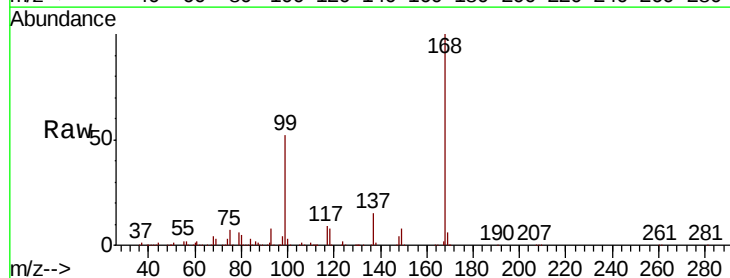
Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-COMP

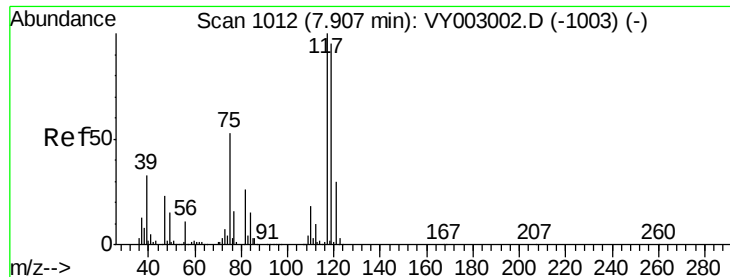
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	22.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.398 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003109.D
 Acq: 06 Jul 2020 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.2#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.534 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

RO-COMP

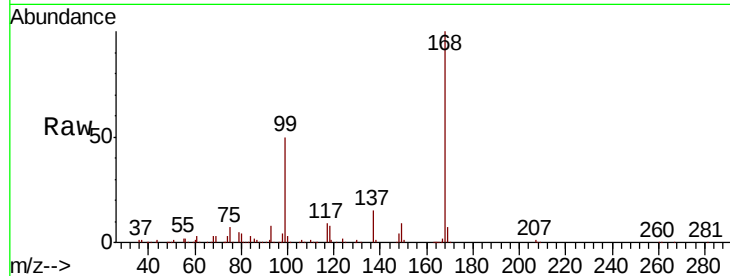
Tot Ion:117 Resp: 24783

Ion Ratio Lower Upper

117 100

119 5.8 75.7 113.5#

121 0.6 23.9 35.9#

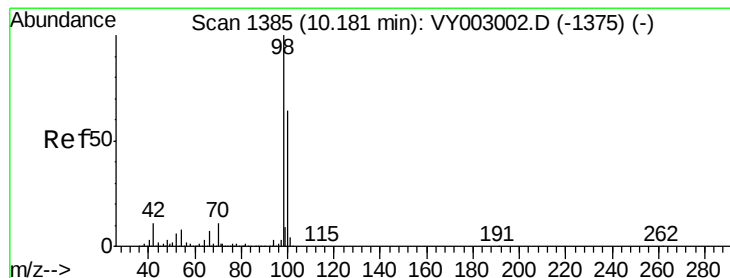
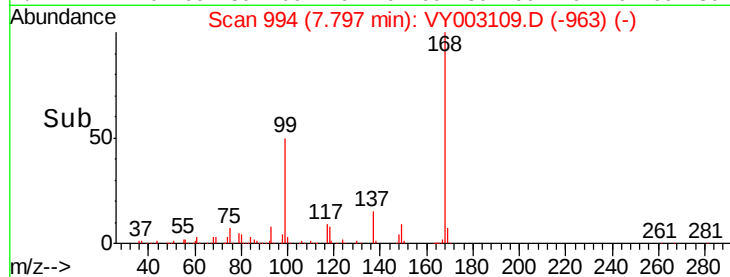
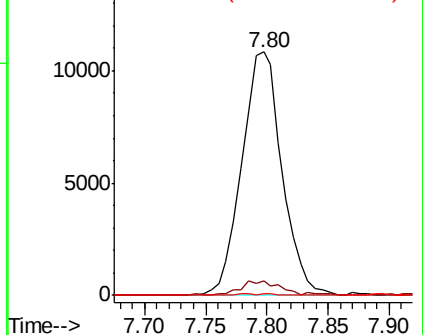


Abundance

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: 52.977 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003109.D

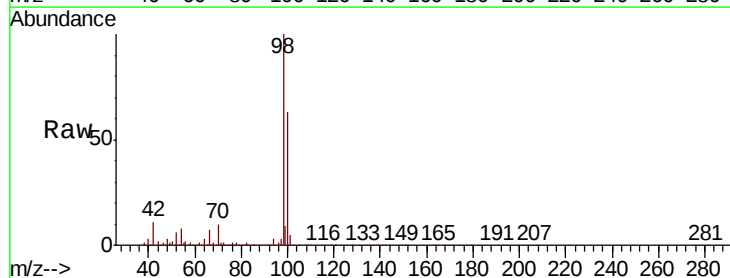
Acq: 06 Jul 2020 13:37

Tgt Ion: 98 Resp: 550143

Ion Ratio Lower Upper

98 100

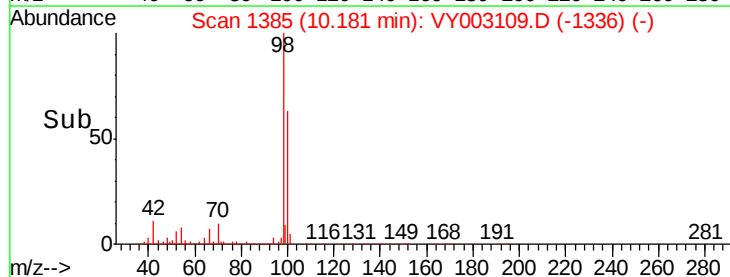
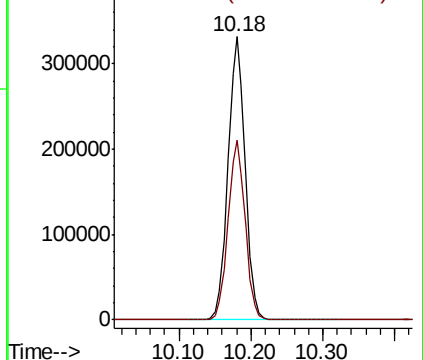
100 63.3 51.1 76.7

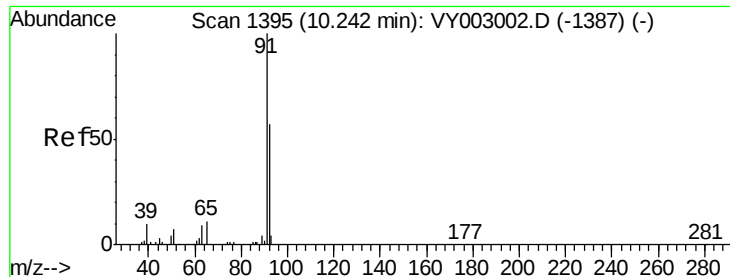


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#52

Toluene

Concen: 1.355 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

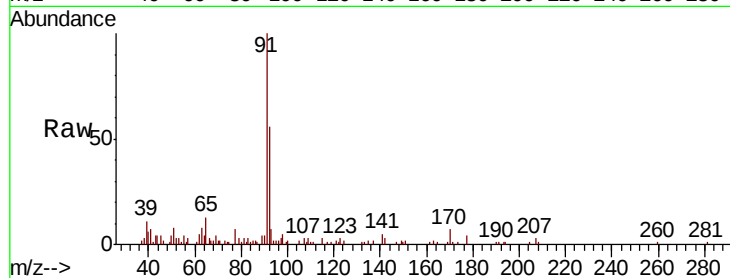
RO-COMP

Tot Ion: 92 Resp: 10051

Ion Ratio Lower Upper

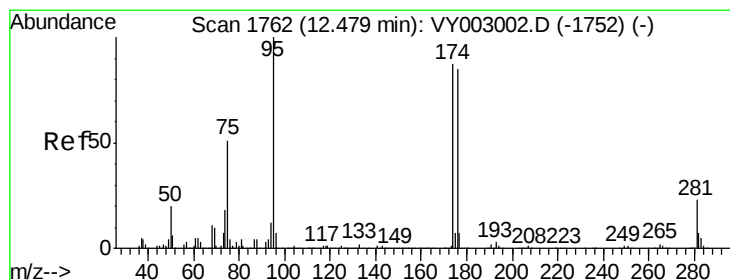
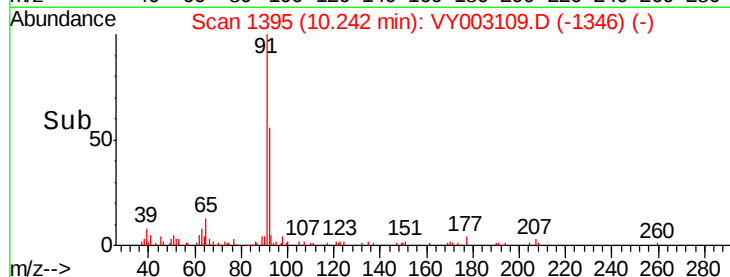
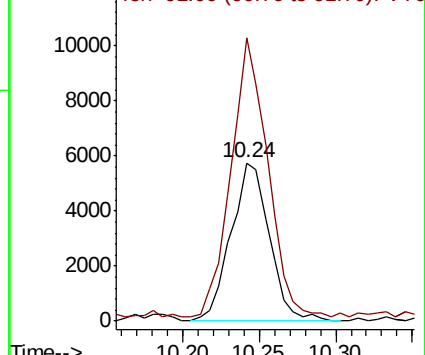
92 100

91 166.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



#62

4-Bromofluorobenzene

Concen: 51.529 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

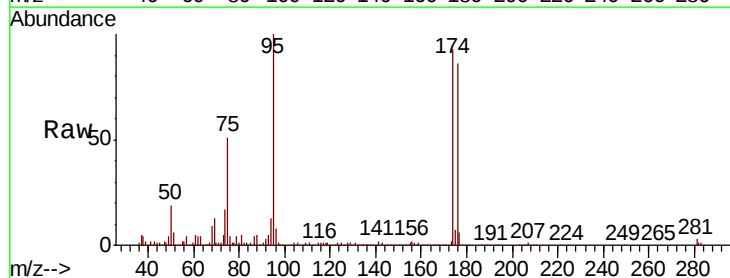
Tgt Ion: 95 Resp: 188356

Ion Ratio Lower Upper

95 100

174 95.4 0.0 184.8

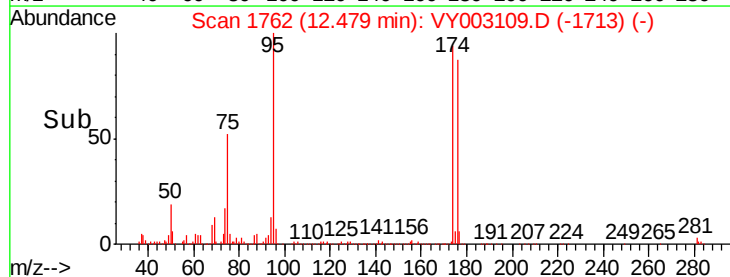
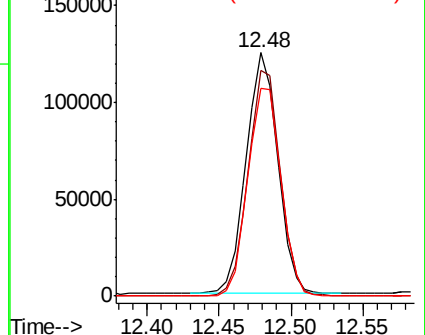
176 90.9 0.0 183.0

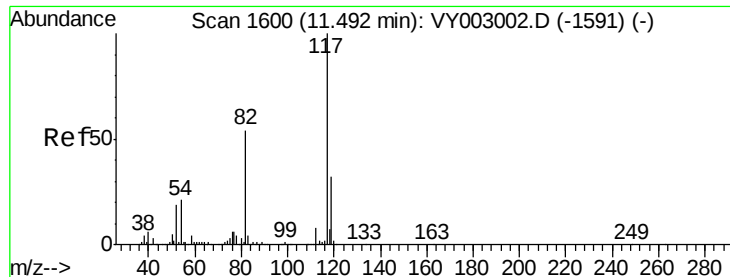


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

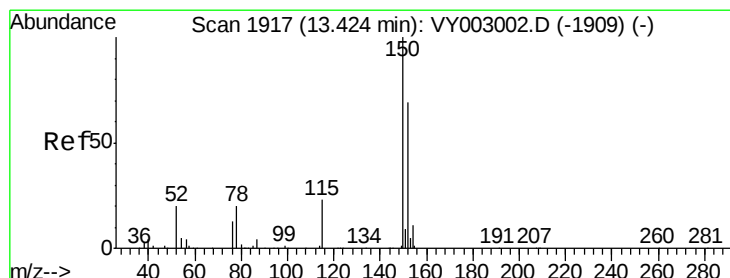
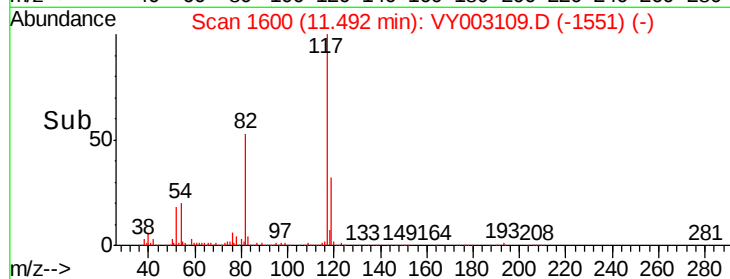
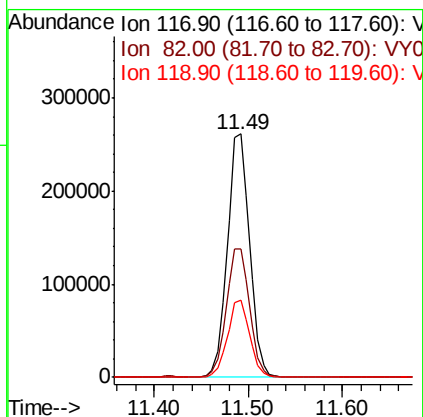
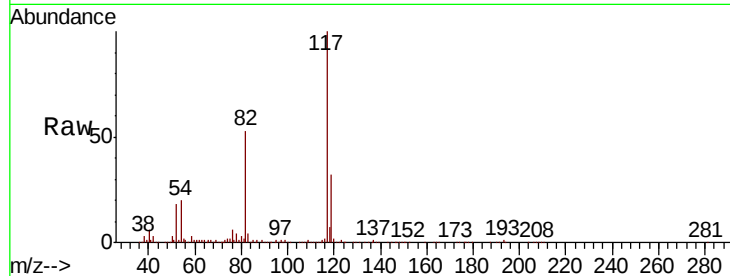




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003109.D
Acq: 06 Jul 2020 13:37

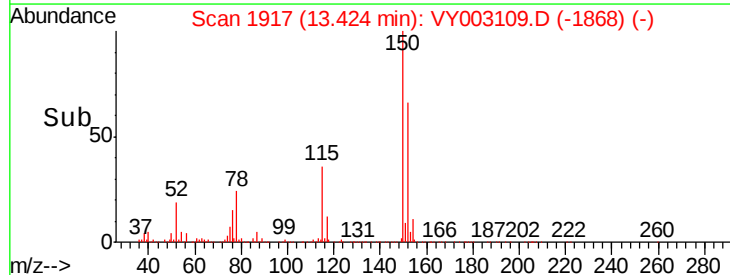
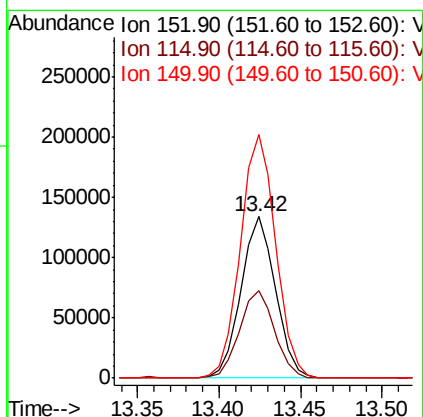
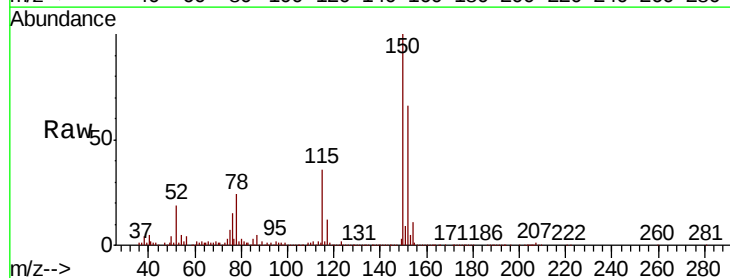
Instrument :
MSVOA_Y
ClientSampleId :
RO-COMP

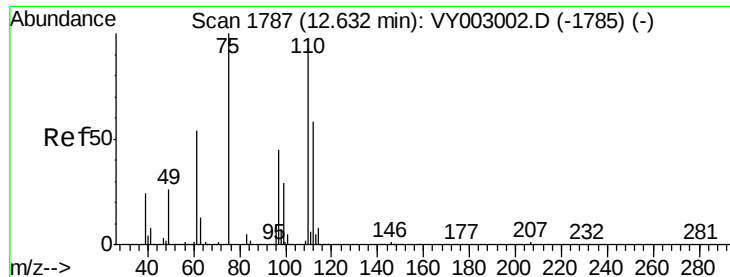
Tot Ion:117 Resp: 426864
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003109.D
Acq: 06 Jul 2020 13:37

Tgt Ion:152 Resp: 196312
Ion Ratio Lower Upper
152 100
115 54.9 27.3 81.9
150 155.2 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 50.085 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

Instrument :

MSVOA_Y

ClientSampleId :

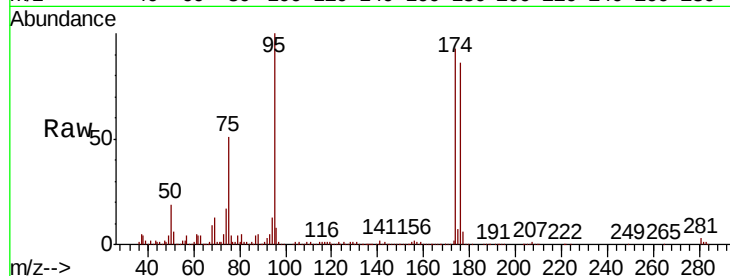
RO-COMP

Tot Ion: 75 Resp: 97310

Ion Ratio Lower Upper

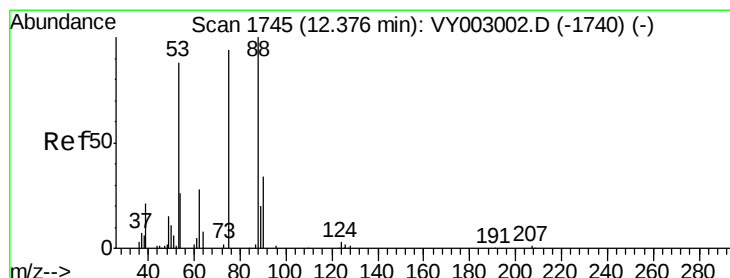
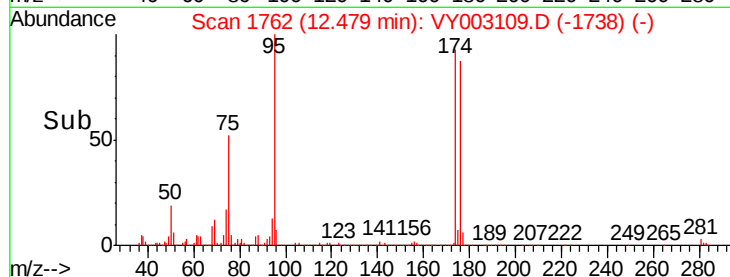
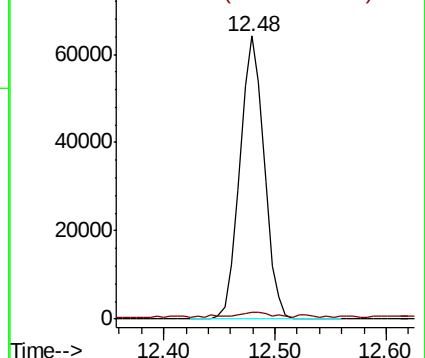
75 100

77 1.9 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: 97.445 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003109.D

Acq: 06 Jul 2020 13:37

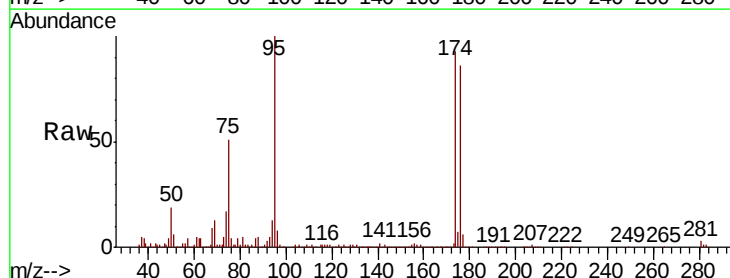
Tgt Ion: 75 Resp: 97310

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.1 37.5 56.3#



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

