

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002304.D
 Acq On : 14 Apr 2020 13:34
 Operator : SY/MD
 Sample : L2230-31
 Misc : 7.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:34:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	139959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	281392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	246628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	84637	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	79110	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	7.73	113	85373	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.18	98	343059	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.49	95	96887	41.90	ug/l	0.00
Spiked Amount			Recovery	=	83.80%	

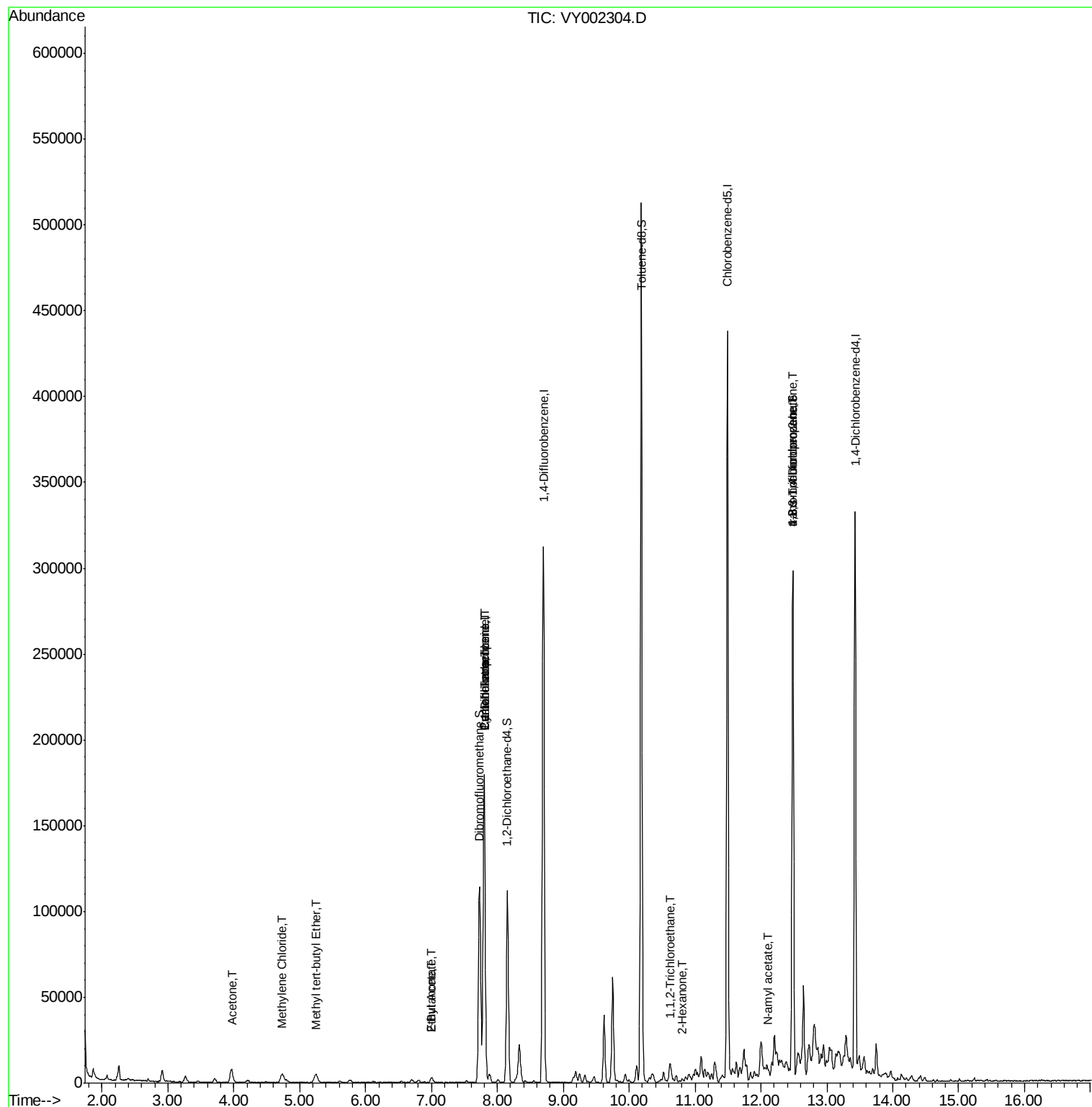
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	50	Below Cal	#	77
16) Acetone	3.97	43	14471	35.300	ug/l	91
19) Methyl tert-butyl Ether	5.25	73	5635	1.268	ug/l #	34
20) Methylene Chloride	4.73	84	3340	1.658	ug/l	87
25) 2-Butanone	7.00	43	4929	7.598	ug/l	99
31) Cyclohexane	7.80	56	3460	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10898	3.932	ug/l #	49
37) Ethyl Acetate	7.00	43	4929	3.113	ug/l #	67
38) Carbon Tetrachloride	7.80	117	13957	5.887	ug/l #	16
55) 1,1,2-Trichloroethane	10.63	97	3835	2.401	ug/l #	28
59) 2-Hexanone	10.80	43	1065	1.020	ug/l #	21
74) N-amyl acetate	12.11	43	1963	1.040	ug/l #	40
76) 1,2,3-Trichloropropane	12.48	75	46728	47.545	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	46728	92.474	ug/l #	19

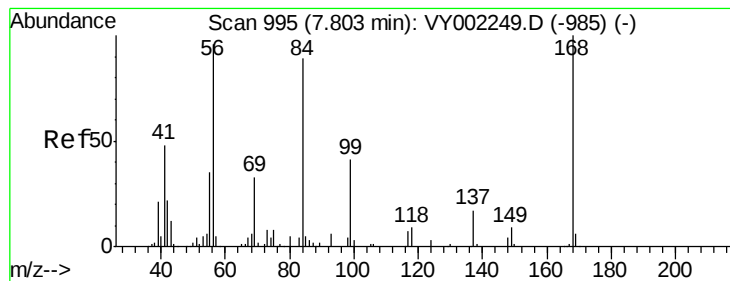
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

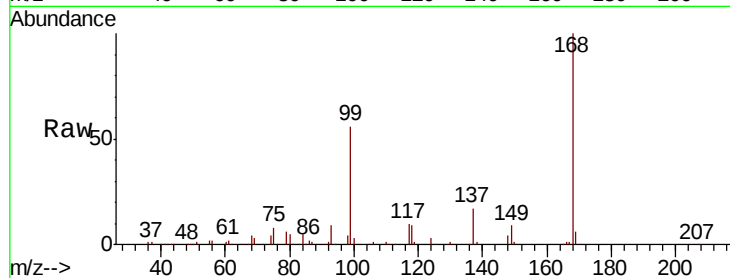
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 139959

Ion Ratio Lower Upper

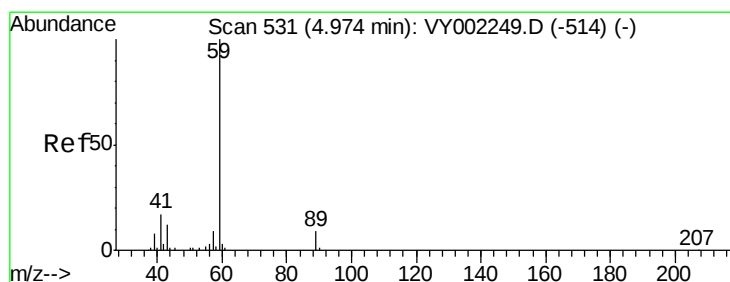
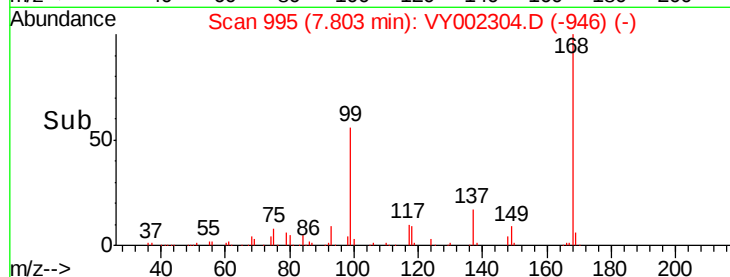
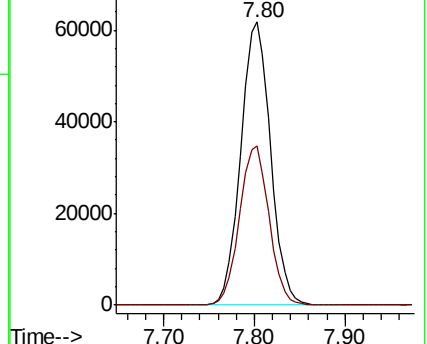
168 100

99 56.1 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.00 min

Lab File: VY002304.D

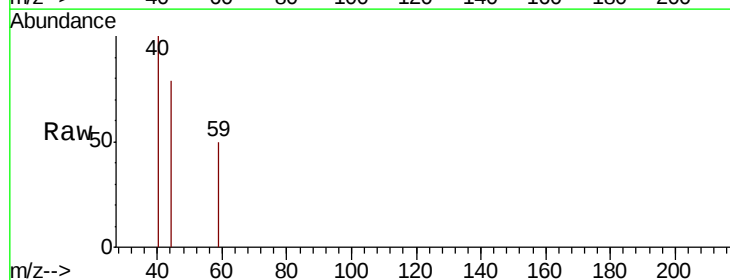
Acq: 14 Apr 2020 13:34

Tgt Ion: 59 Resp: 50

Ion Ratio Lower Upper

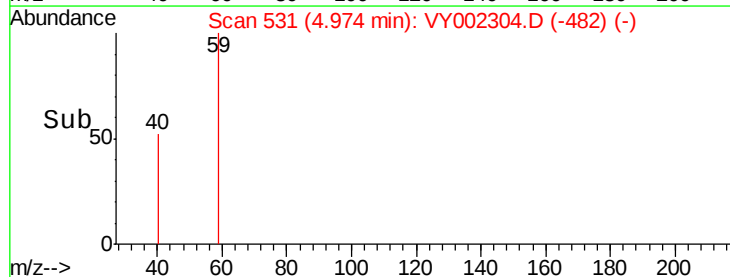
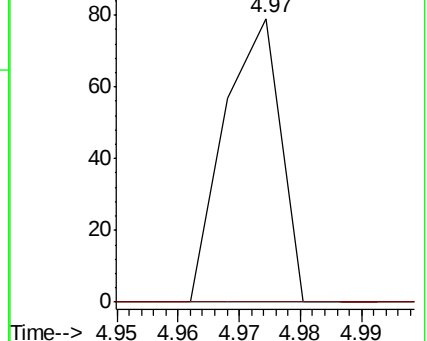
59 100

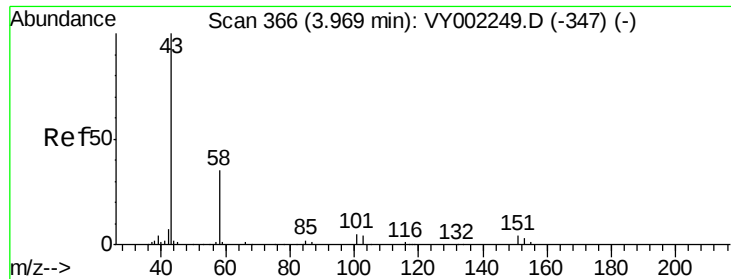
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 35.300 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

Instrument :

MSVOA_Y

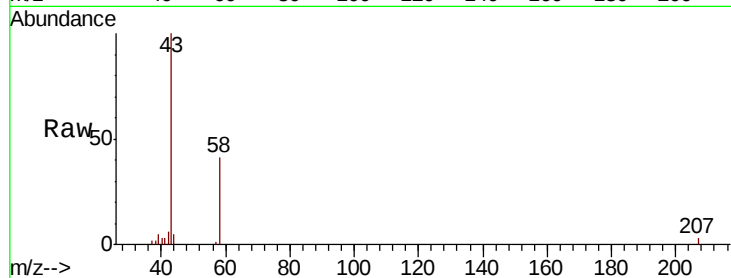
ClientSampled :

Tot Ion: 43 Resp: 14471

Ion Ratio Lower Upper

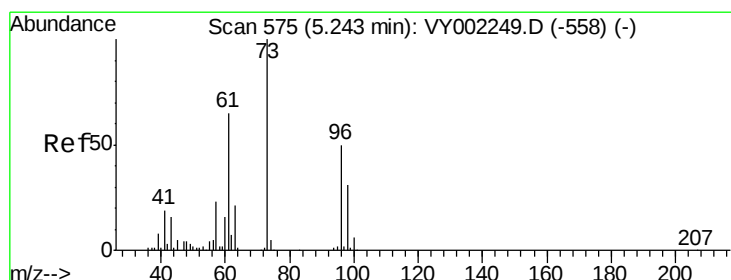
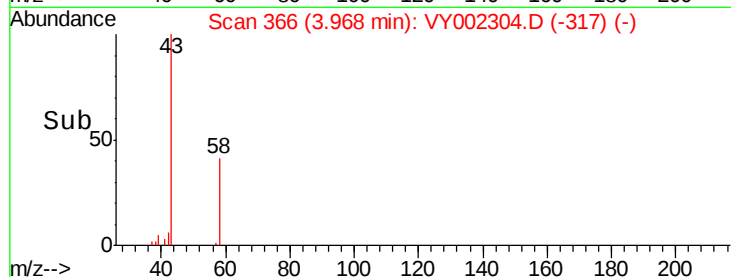
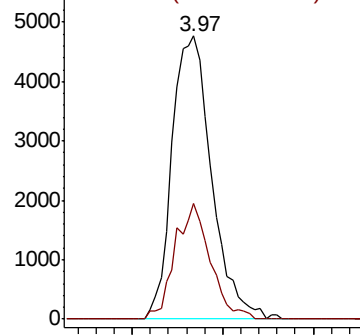
43 100

58 41.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#19

Methyl tert-butyl Ether

Concen: 1.268 ug/l

RT: 5.25 min Scan# 576

Delta R.T. 0.01 min

Lab File: VY002304.D

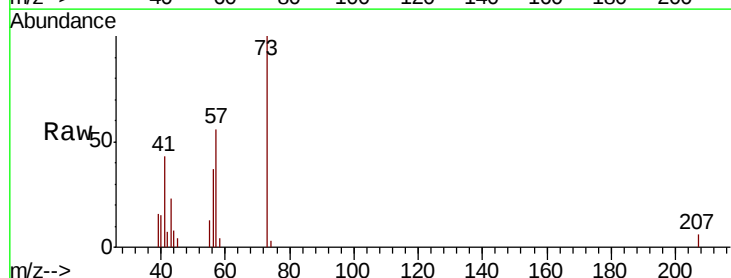
Acq: 14 Apr 2020 13:34

Tgt Ion: 73 Resp: 5635

Ion Ratio Lower Upper

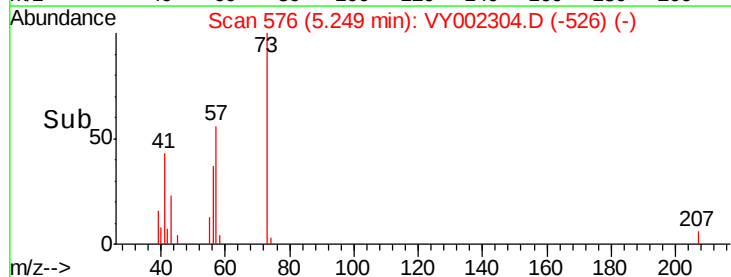
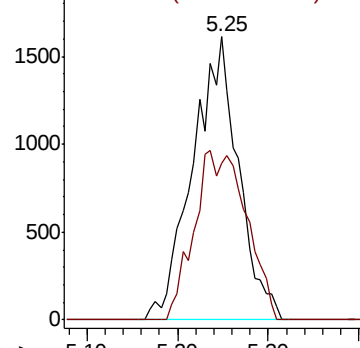
73 100

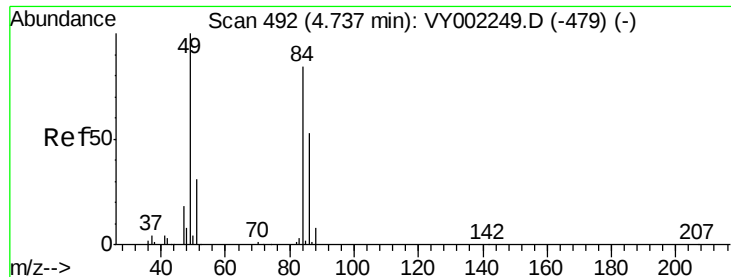
57 55.5 18.7 28.1#



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

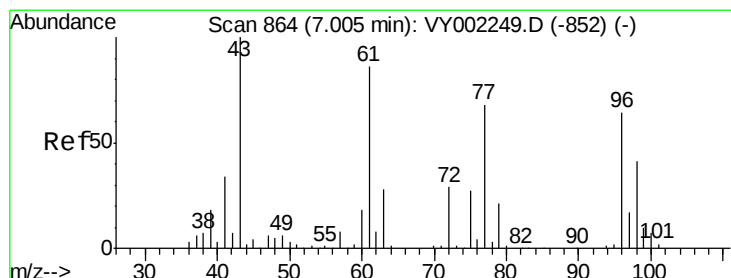
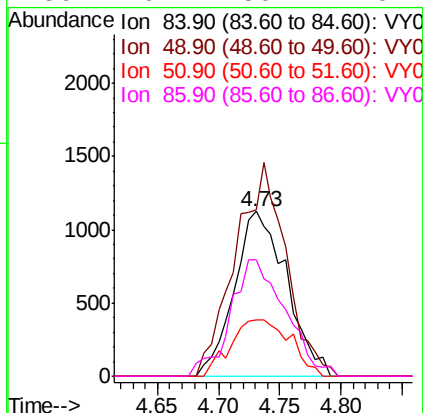
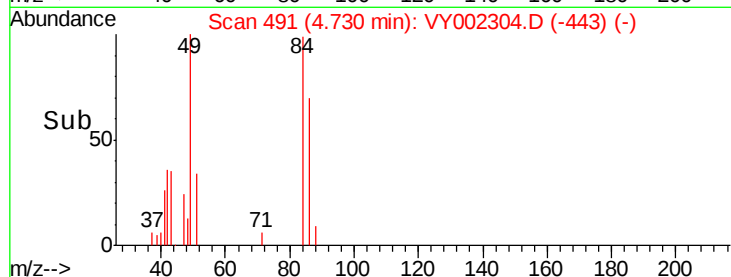
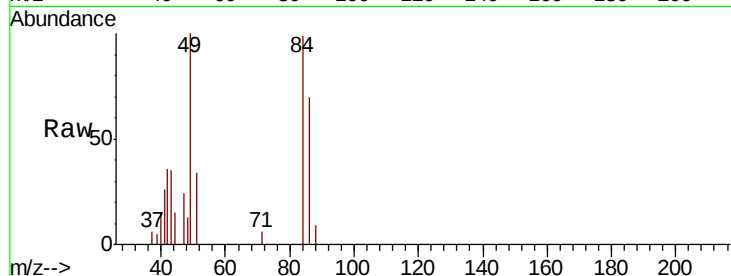




#20
Methvlene Chloride
Concen: 1.658 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

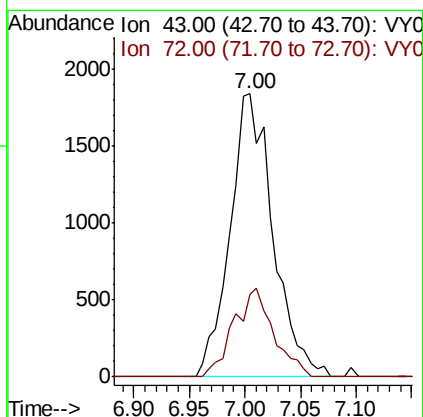
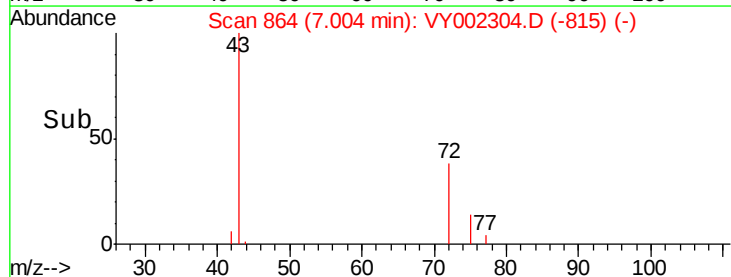
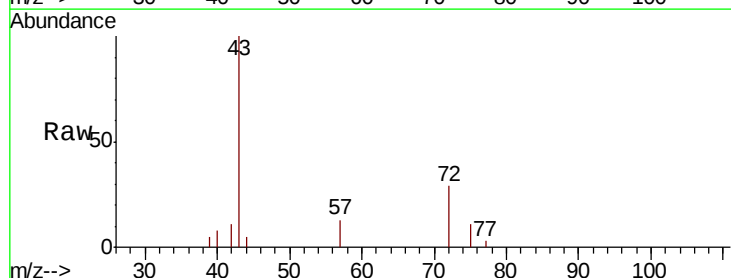
Instrument :
MSVOA_Y
ClientSampleId :

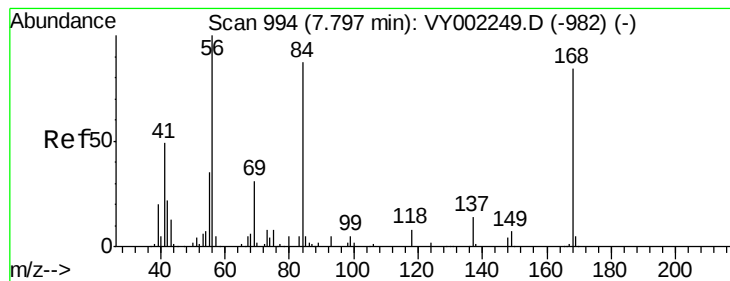
Tot Ion: 84 Resp: 3340
Ion Ratio Lower Upper
84 100
49 100.5 95.5 143.3
51 34.2 29.5 44.3
86 70.7 50.7 76.1



#25
2-Butanone
Concen: 7.598 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Tgt Ion: 43 Resp: 4929
Ion Ratio Lower Upper
43 100
72 29.3 23.2 34.8





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

Instrument :
MSVOA_Y
ClientSampled :

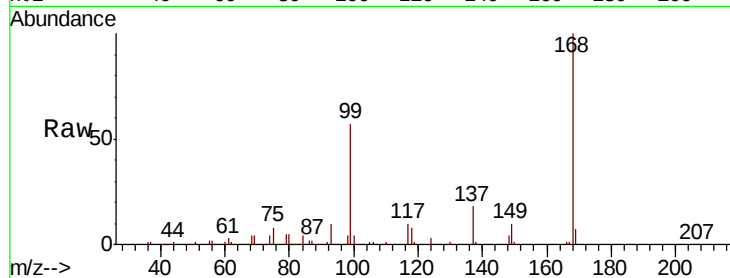
Tot Ion: 56 Resp: 3460

Ion Ratio Lower Upper

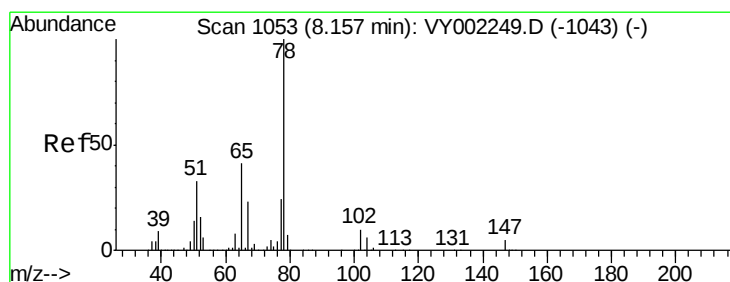
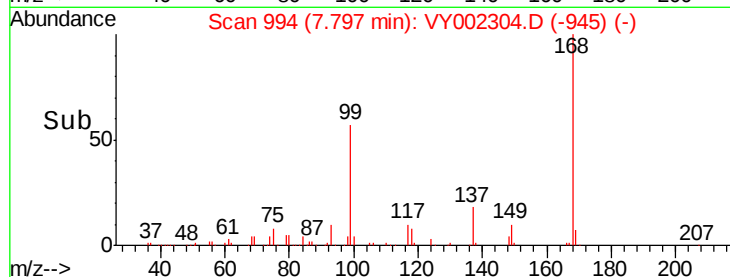
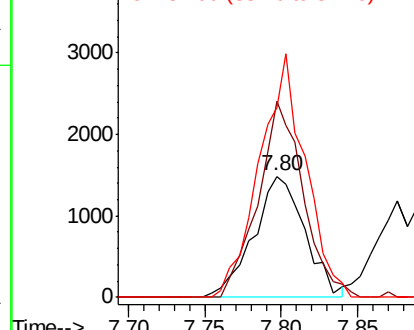
56 100

69 162.0 25.0 37.6#

84 157.0 69.7 104.5#



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: 50.827 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002304.D

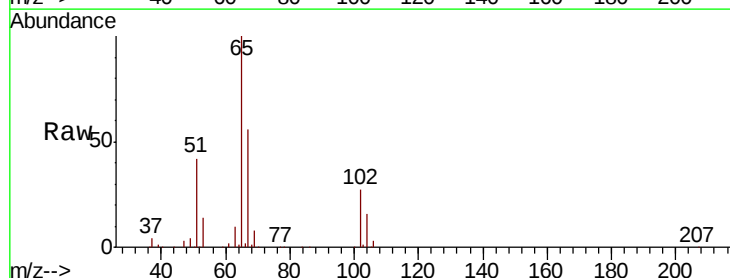
Acq: 14 Apr 2020 13:34

Tgt Ion: 65 Resp: 79110

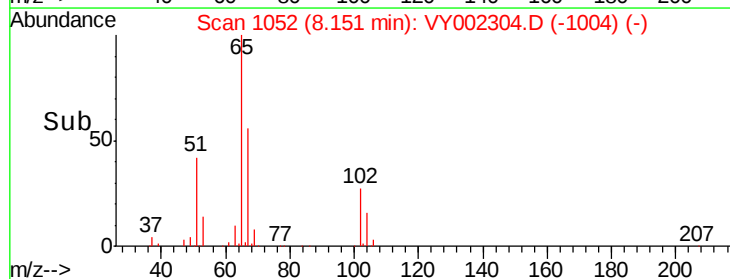
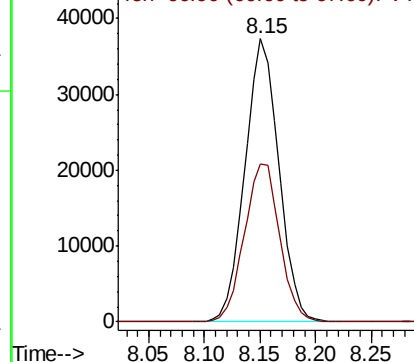
Ion Ratio Lower Upper

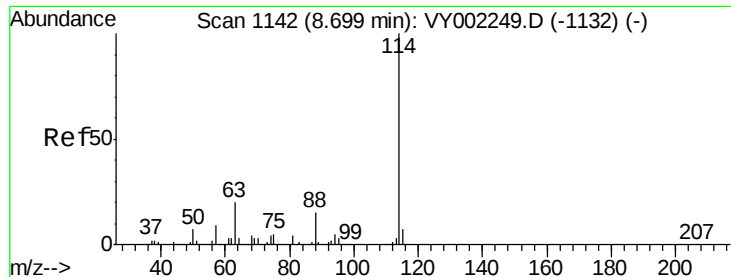
65 100

67 58.5 0.0 114.0



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

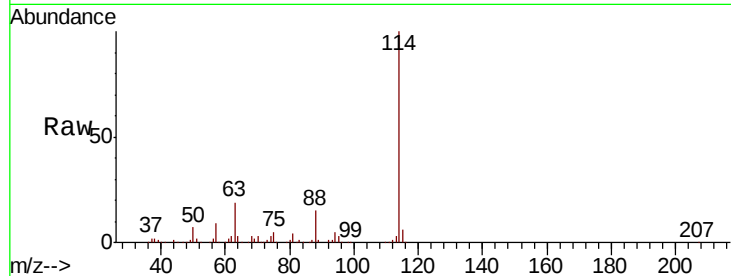




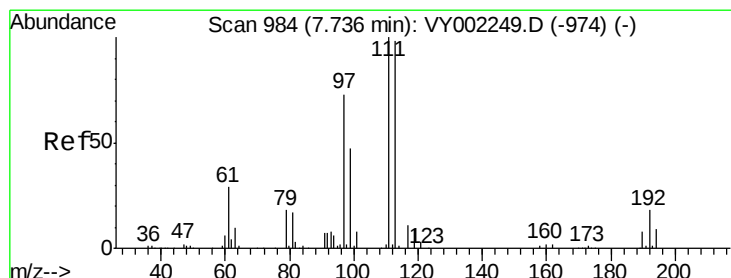
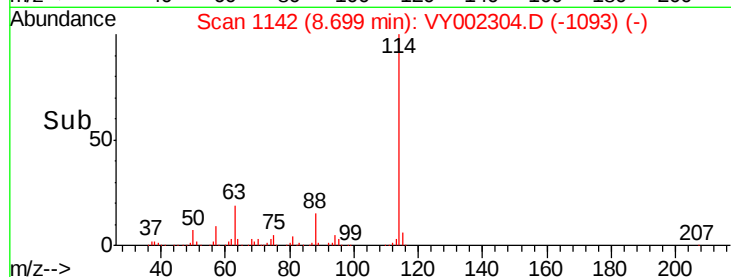
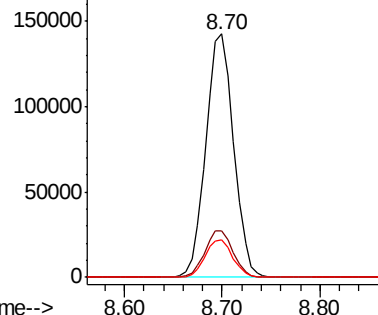
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY002304.D
 Acq: 14 Apr 2020 13:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.0
88	15.4	0.0	31.0

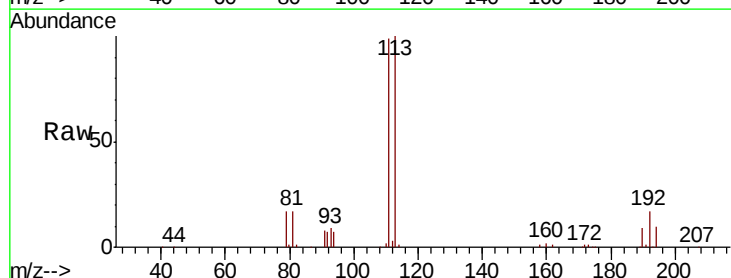


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

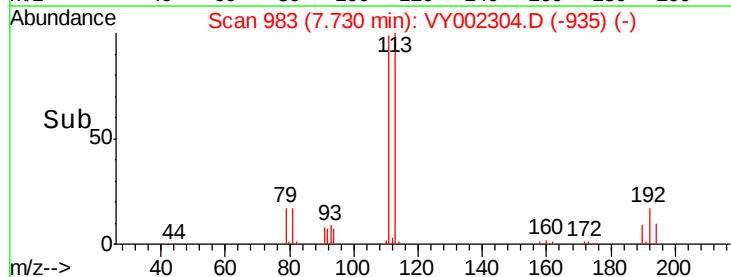
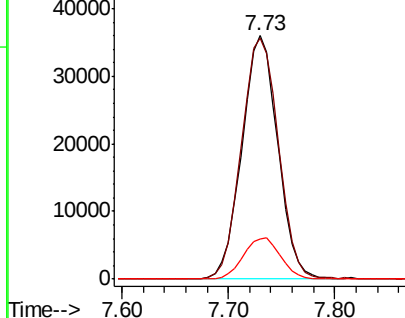


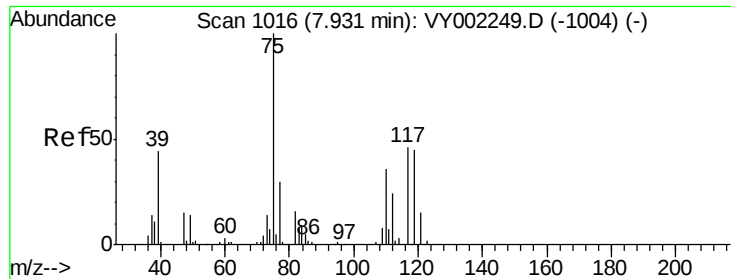
#35
 Dibromofluoromethane
 Concen: 50.988 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002304.D
 Acq: 14 Apr 2020 13:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	17.5	14.7	22.1



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

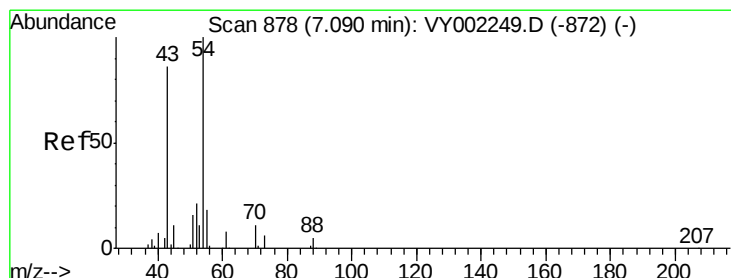
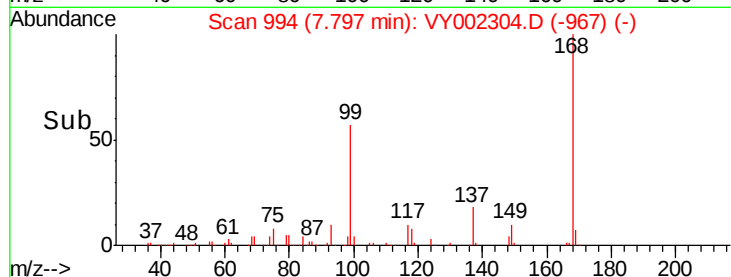
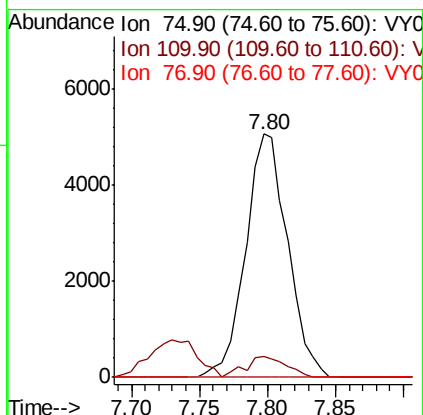
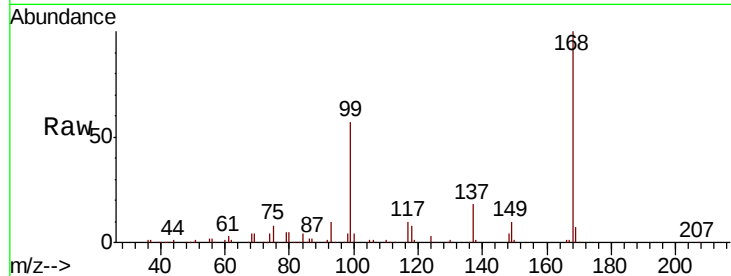




#36
 1,1-Dichloropropene
 Concen: 3.932 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002304.D
 Acq: 14 Apr 2020 13:34

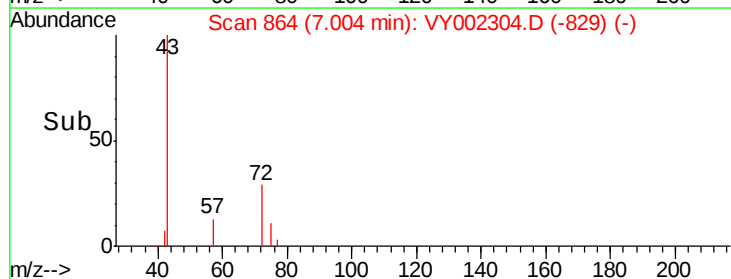
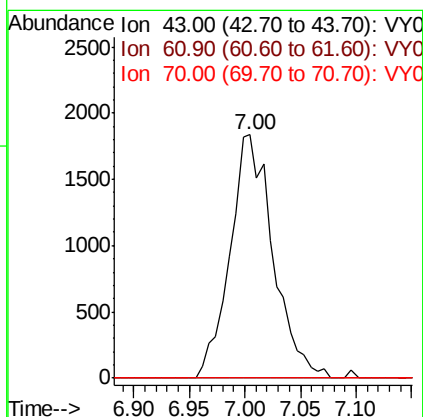
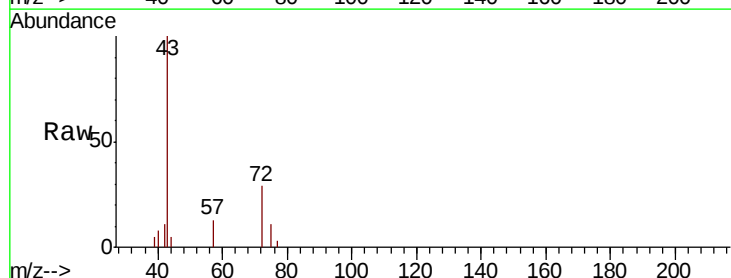
Instrument :
 MSVOA_Y
 ClientSampled :

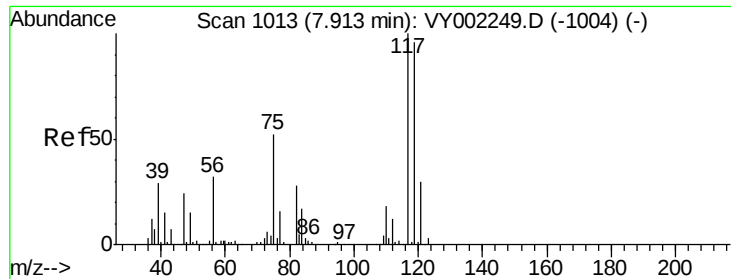
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 3.113 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.09 min
 Lab File: VY002304.D
 Acq: 14 Apr 2020 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	0.0	9.1	13.7#

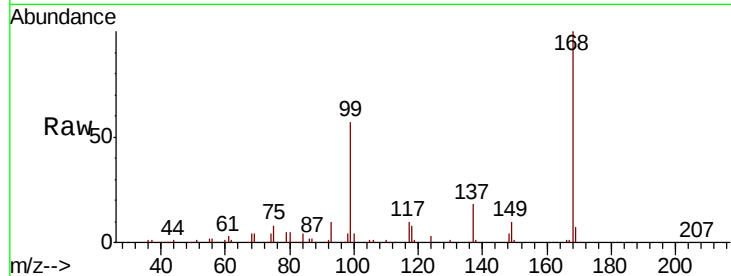




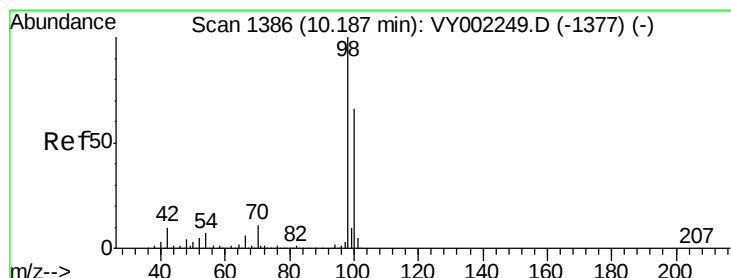
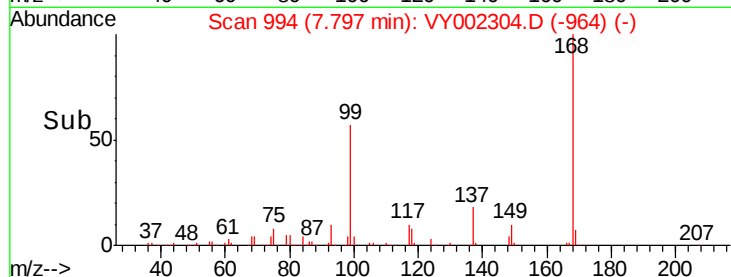
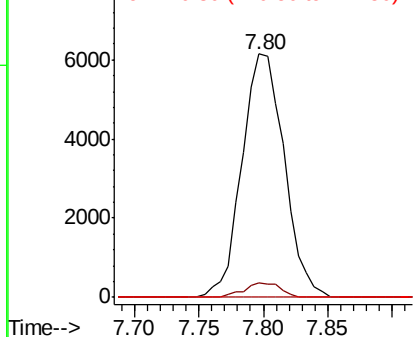
#38
Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13957
Ion Ratio Lower Upper
117 100
119 6.0 77.1 115.7#
121 0.0 23.9 35.9#

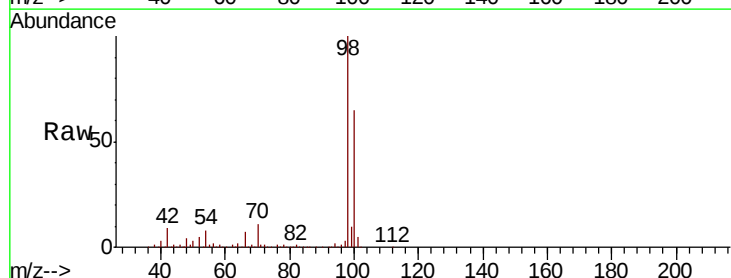


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

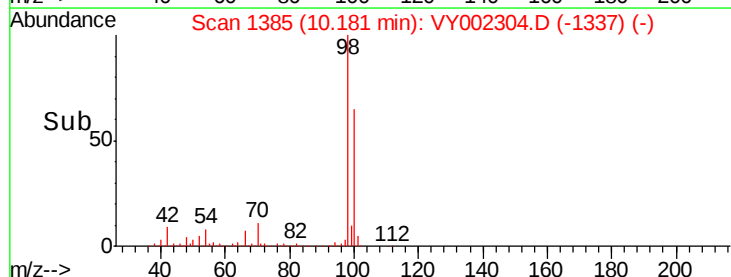
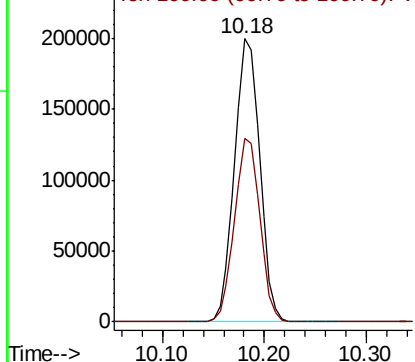


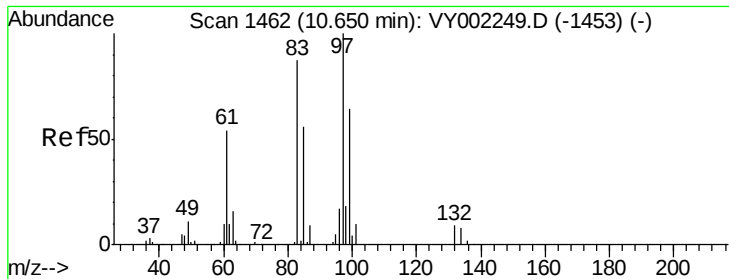
#50
Toluene-d8
Concen: 48.951 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Tgt Ion: 98 Resp: 343059
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





#55

1,1,2-Trichloroethane

Concen: 2.401 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.02 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 3835

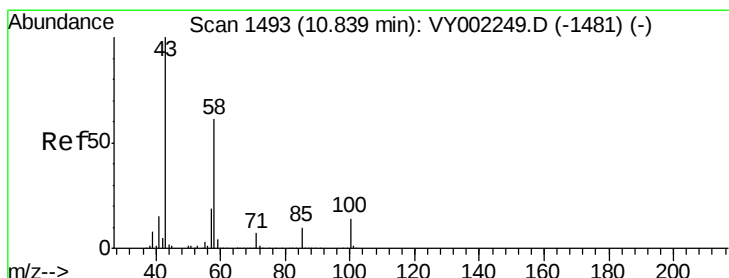
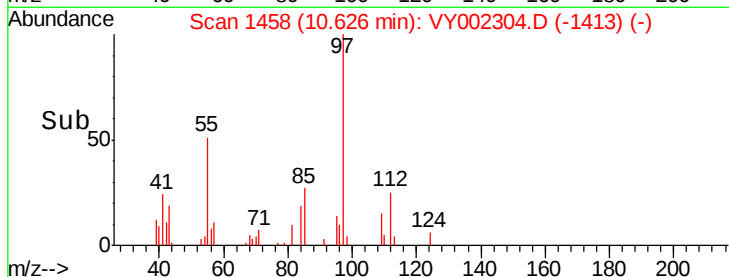
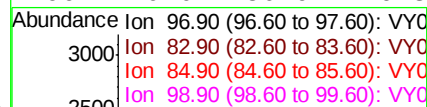
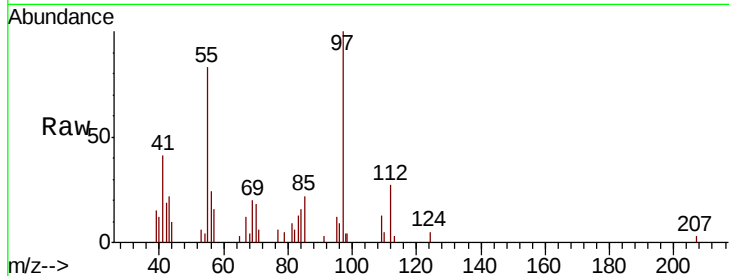
Ion Ratio Lower Upper

97 100

83 12.5 69.5 104.3#

85 22.5 45.2 67.8#

99 0.0 50.9 76.3#



#59

2-Hexanone

Concen: 1.020 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.04 min

Lab File: VY002304.D

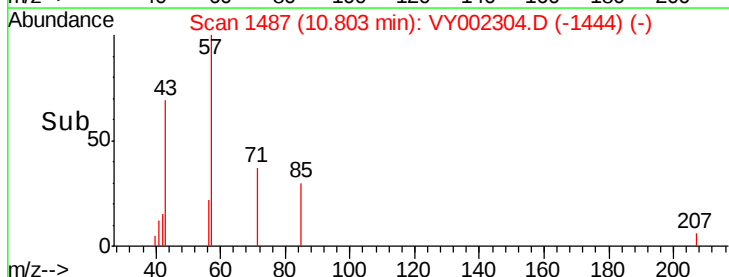
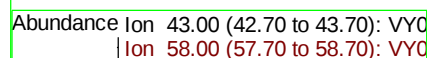
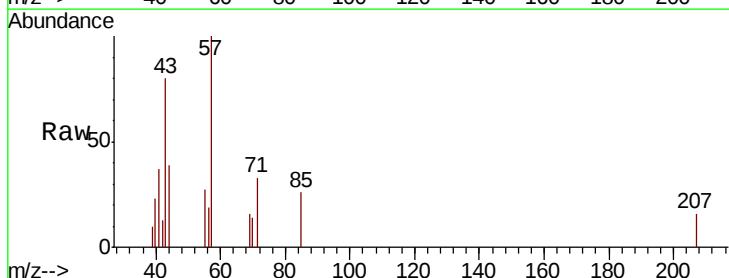
Acq: 14 Apr 2020 13:34

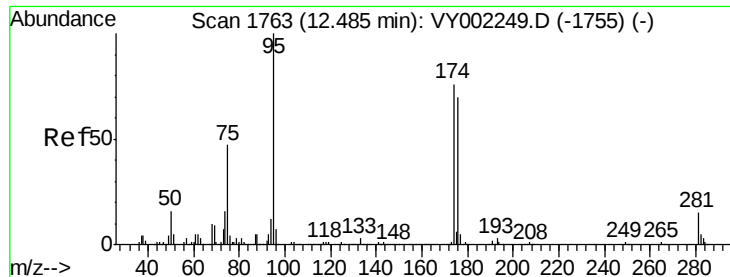
Tgt Ion: 43 Resp: 1065

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.3#

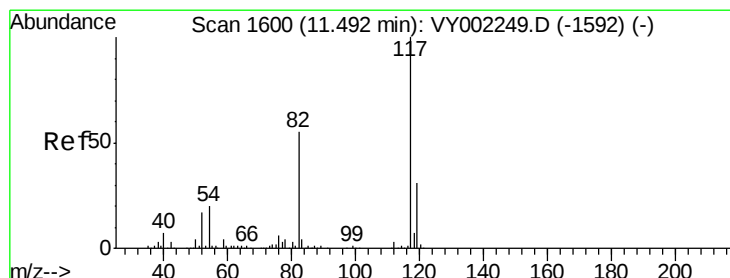
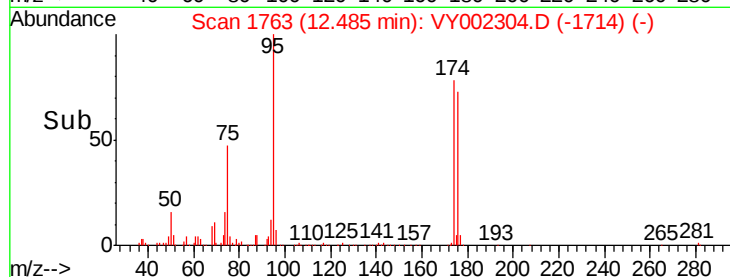
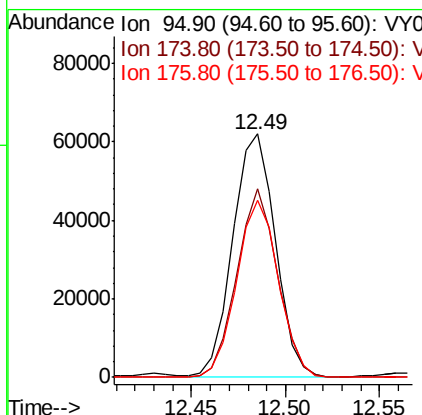
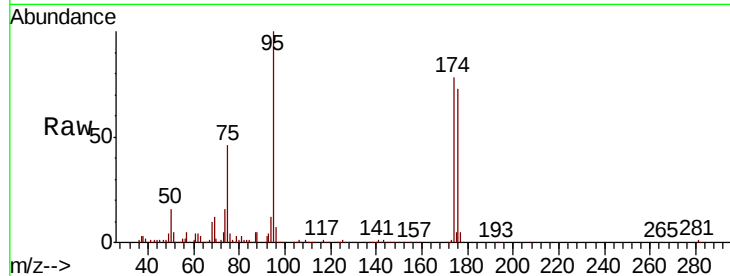




#62
4-Bromofluorobenzene
Concen: 41.904 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

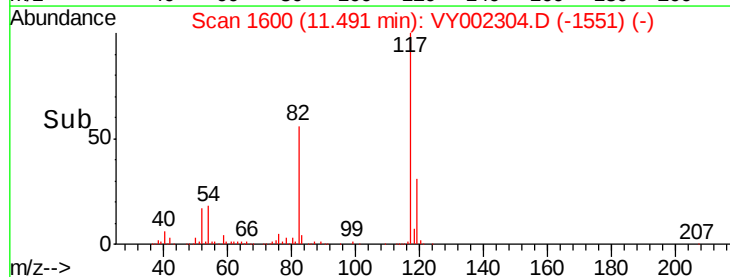
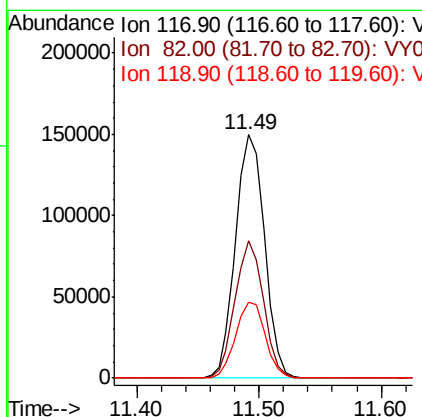
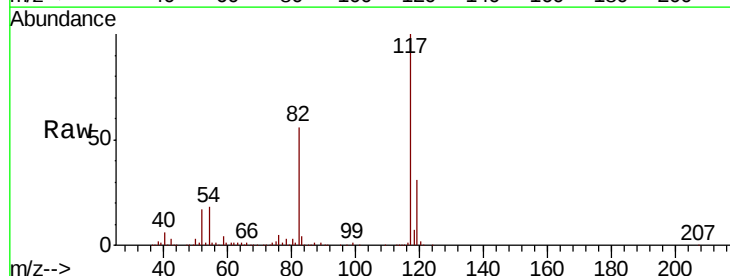
Instrument :
MSVOA_Y
ClientSampleId :

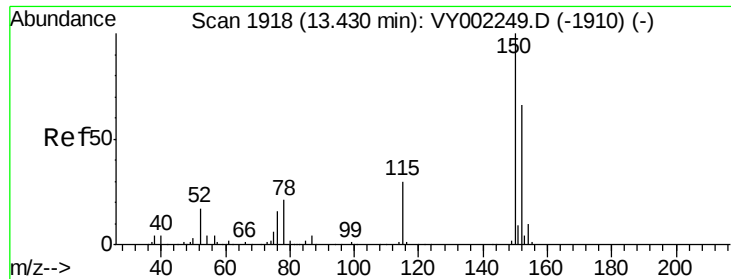
Tot Ion	95	Resp	96887
Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.6
176	71.7	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Tgt Ion	117	Resp	246628
Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.2	66.4
119	31.2	25.1	37.7



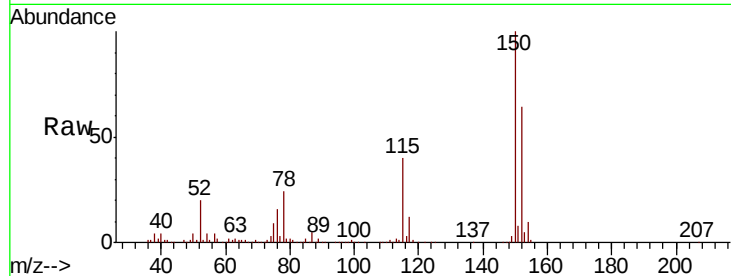


#72

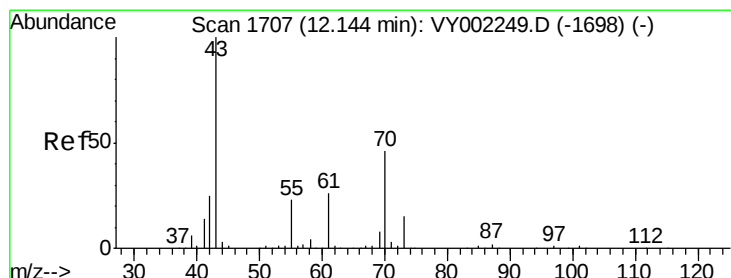
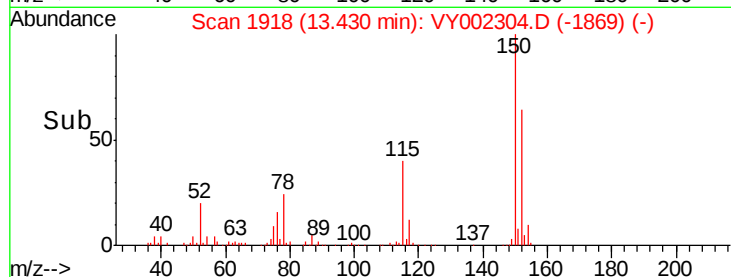
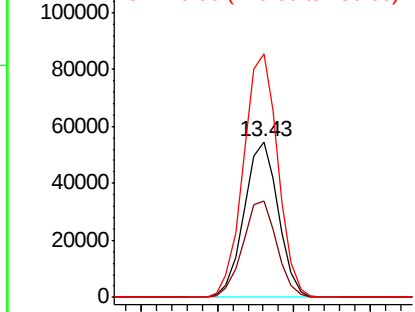
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.7	92.1
150	157.5	0.0	350.6



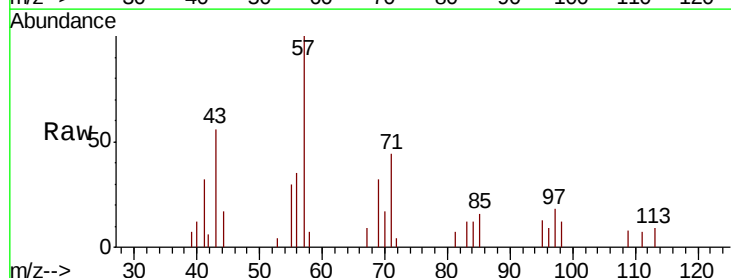
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



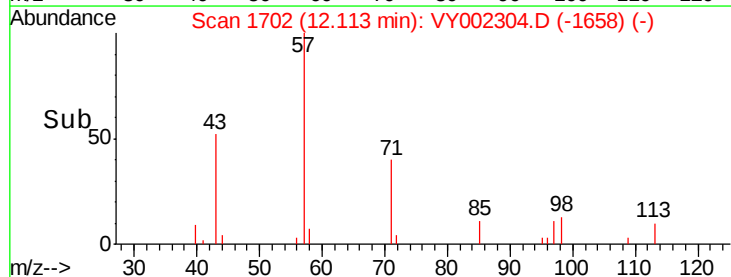
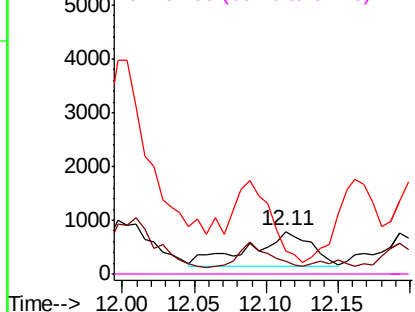
#74

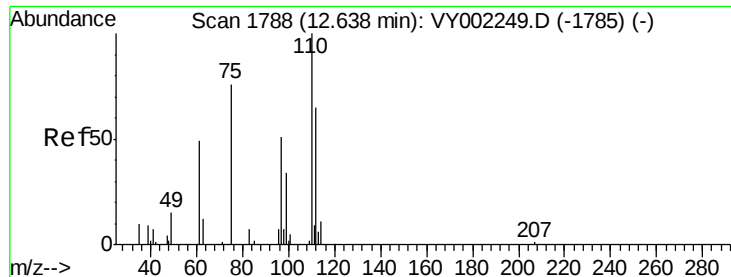
N-ethyl acetate
Concen: 1.040 ug/l
RT: 12.11 min Scan# 1702
Delta R.T. -0.03 min
Lab File: VY002304.D
Acq: 14 Apr 2020 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.5	56.3#
55	0.0	19.0	28.6#
61	0.0	21.6	32.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 70.00 (69.70 to 70.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 47.545 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

Instrument :

MSVOA_Y

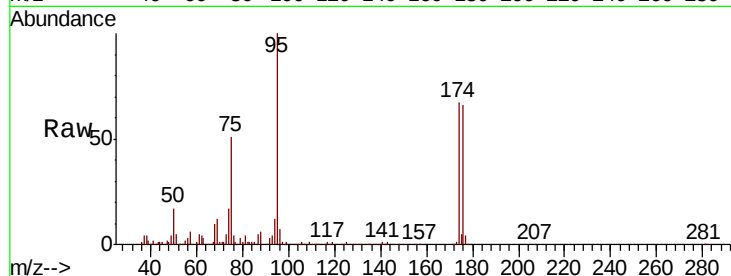
ClientSampleId :

Tot Ion: 75 Resp: 46728

Ion Ratio Lower Upper

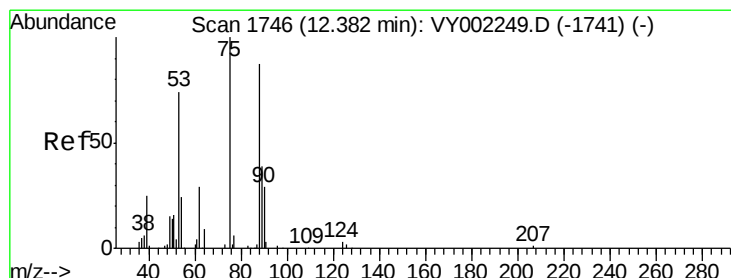
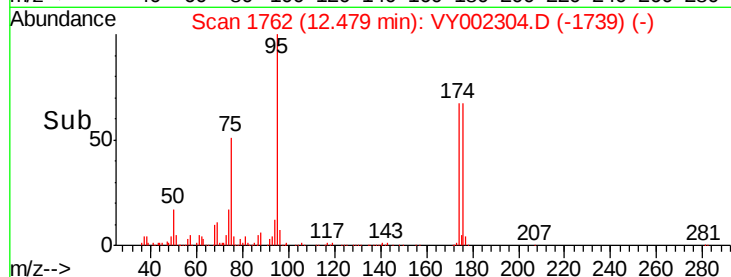
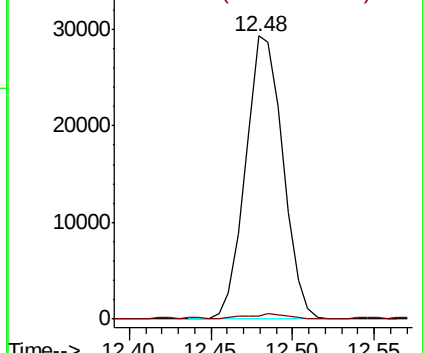
75 100

77 2.1 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: 92.474 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002304.D

Acq: 14 Apr 2020 13:34

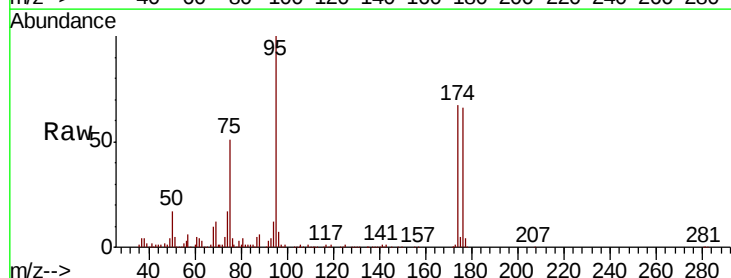
Tgt Ion: 75 Resp: 46728

Ion Ratio Lower Upper

75 100

53 0.5 59.8 89.8#

89 0.0 37.0 55.6#



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

