

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002369.D
 Acq On : 16 Apr 2020 16:02
 Operator : SY/MD
 Sample : L2277-01RE
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:06:12 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

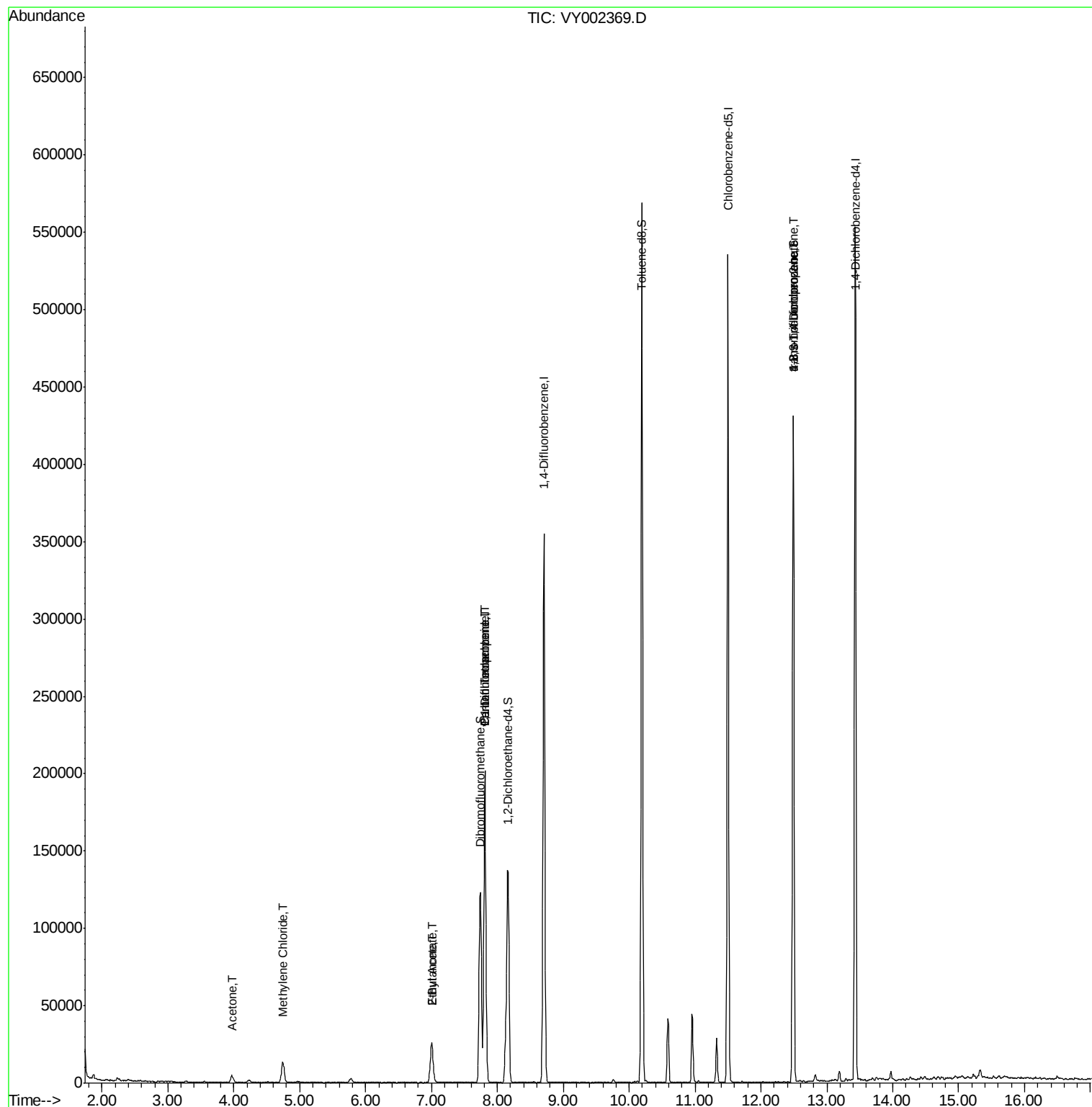
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	149482	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	311777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	136639	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	93274	56.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.22%	
35) Dibromofluoromethane	7.74	113	92262	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
50) Toluene-d8	10.19	98	377482	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.49	95	140752	54.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.88%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	1408	Below Cal	#	89
16) Acetone	3.98	43	8661	19.782	ug/l	96
20) Methylene Chloride	4.74	84	10666	4.956	ug/l	93
25) 2-Butanone	7.02	43	3322	4.794	ug/l	92
36) 1,1-Dichloropropene	7.81	75	12055	3.925	ug/l #	50
37) Ethyl Acetate	7.02	43	3322	1.894	ug/l #	69
38) Carbon Tetrachloride	7.81	117	15436	5.876	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	67002	42.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	67002	82.133	ug/l #	19

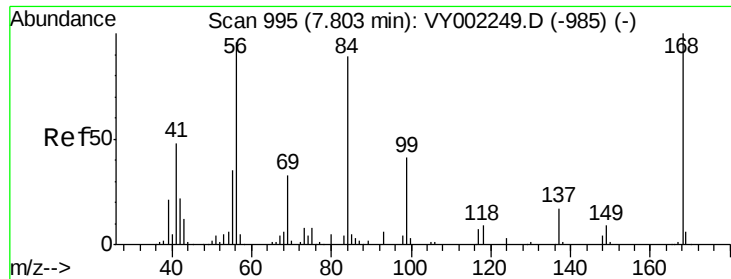
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 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: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

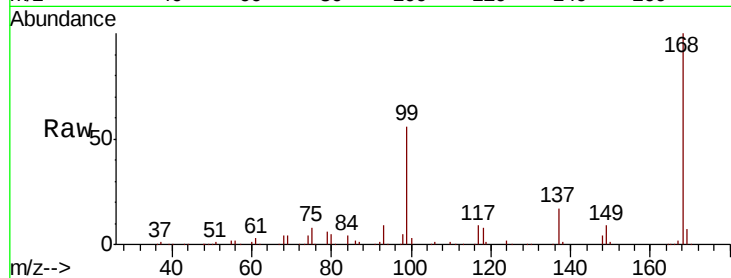
ClientSampleId :

Tot Ion:168 Resp: 149482

Ion Ratio Lower Upper

168 100

99 56.0 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) (-)

7.82

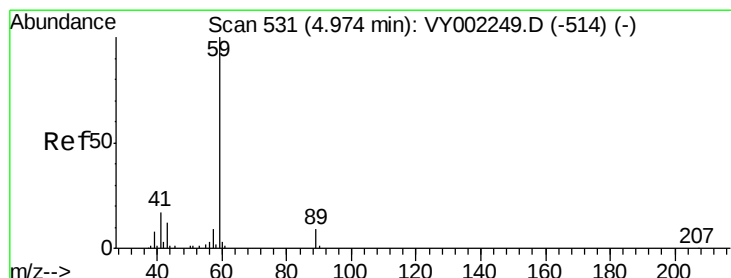
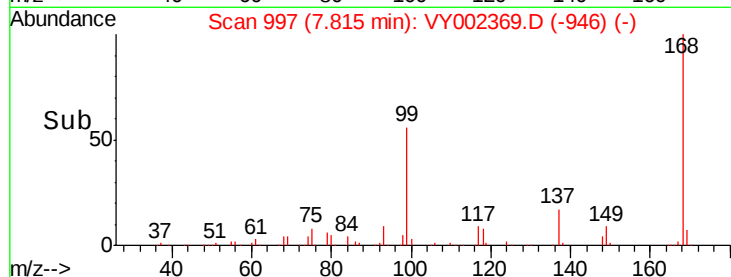
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002369.D

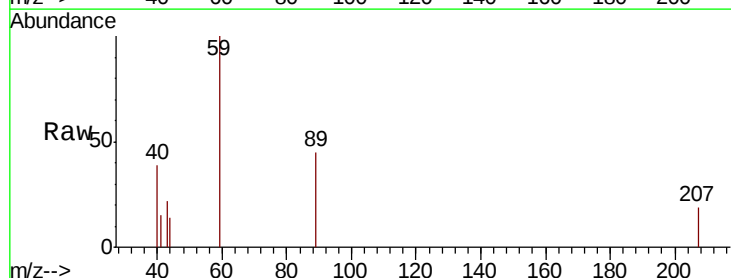
Acq: 16 Apr 2020 16:02

Tgt Ion: 59 Resp: 1408

Ion Ratio Lower Upper

59 100

57 4.3 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) (-)

4.97

400

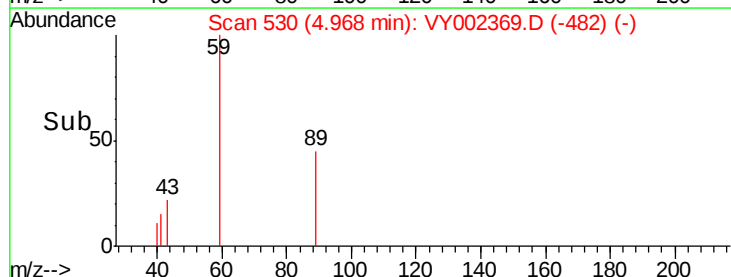
300

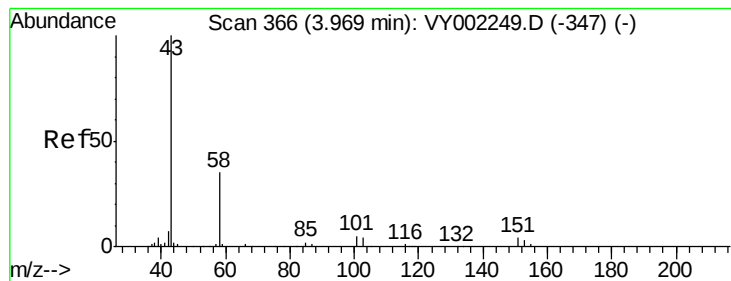
200

100

0

Time-->





#16

Acetone

Concen: 19.782 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

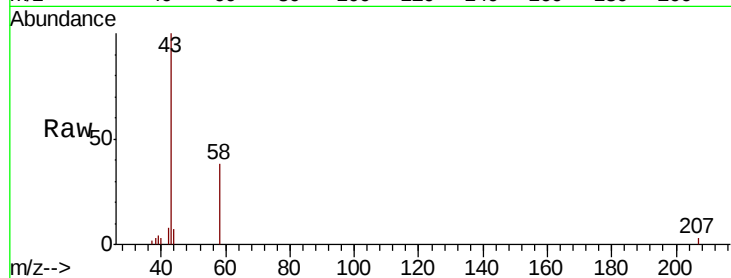
ClientSampleId :

Tot Ion: 43 Resp: 8661

Ion Ratio Lower Upper

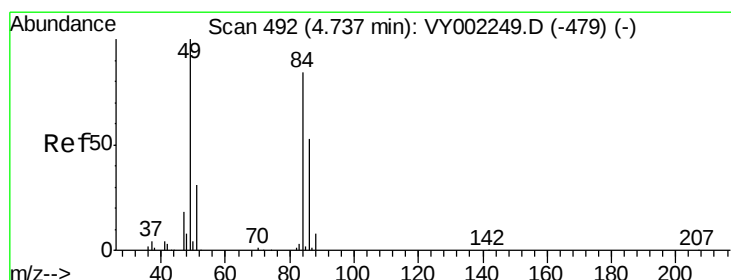
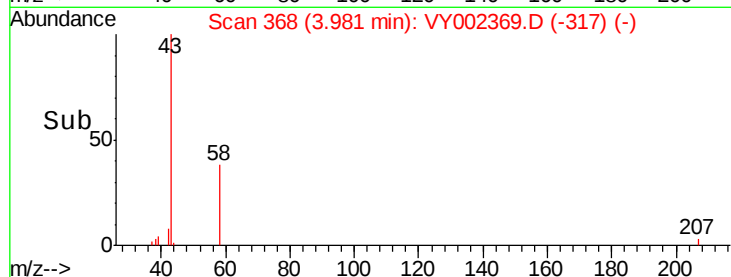
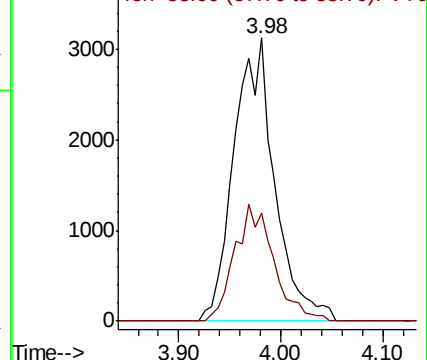
43 100

58 38.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)



#20

Methylene Chloride

Concen: 4.956 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Tgt Ion: 84 Resp: 10666

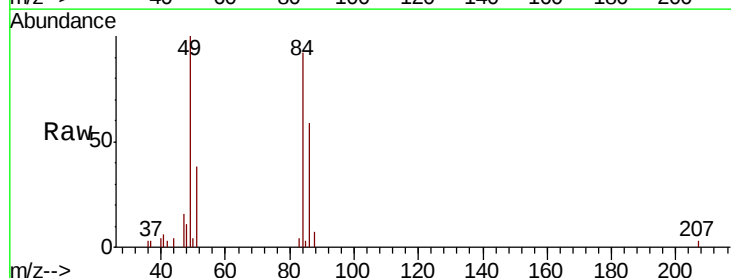
Ion Ratio Lower Upper

84 100

49 108.6 95.5 143.3

51 41.6 29.5 44.3

86 63.7 50.7 76.1

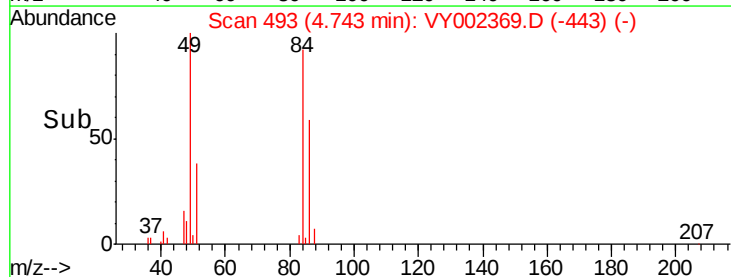
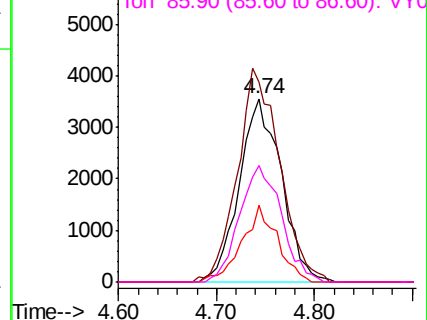


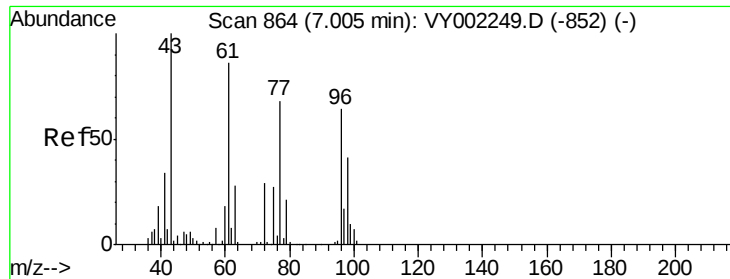
Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)





#25

2-Butanone

Concen: 4.794 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

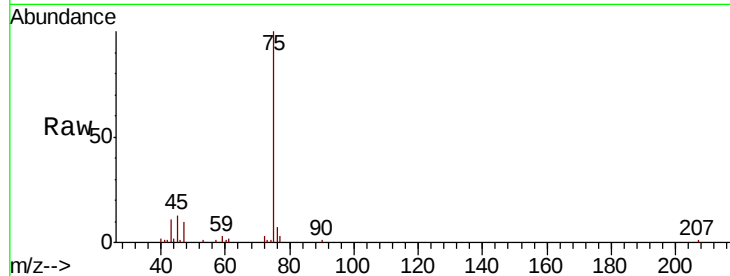
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 3322

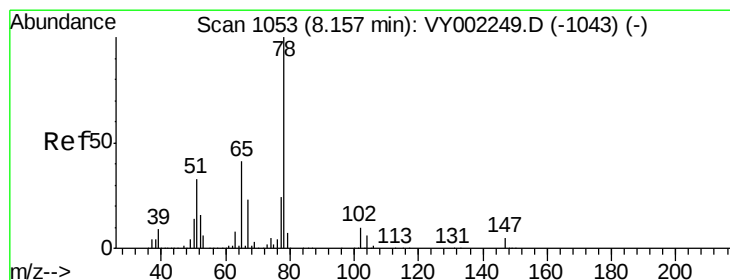
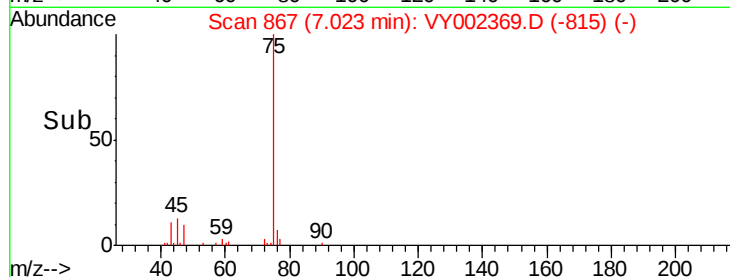
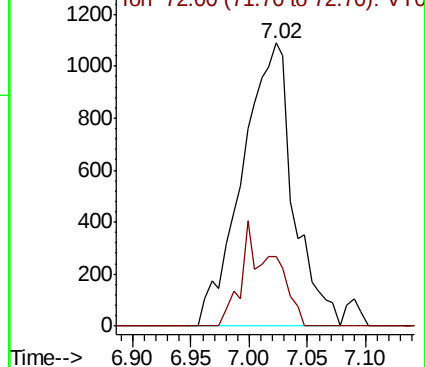
Ion Ratio Lower Upper

43 100

72 24.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.110 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002369.D

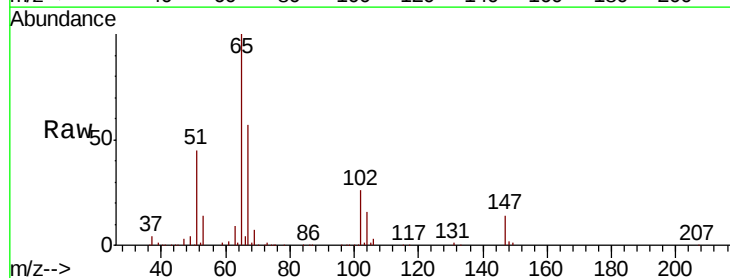
Acq: 16 Apr 2020 16:02

Tgt Ion: 65 Resp: 93274

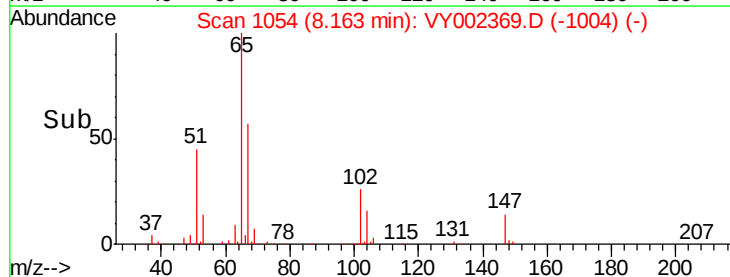
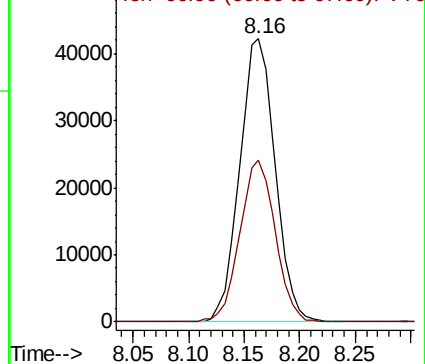
Ion Ratio Lower Upper

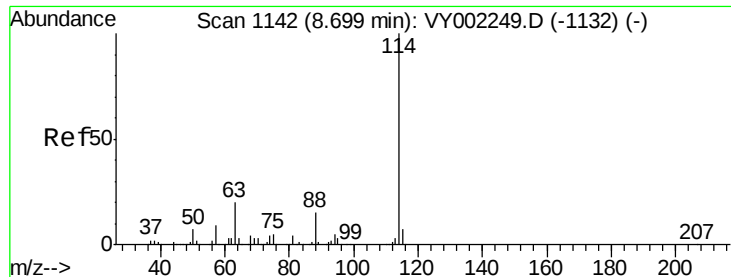
65 100

67 57.2 0.0 114.0



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

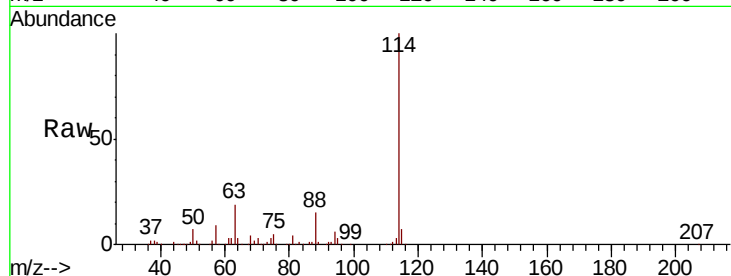




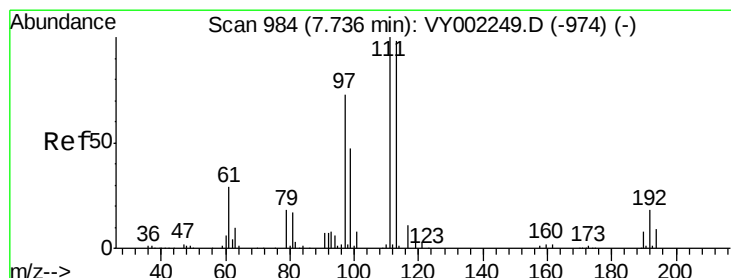
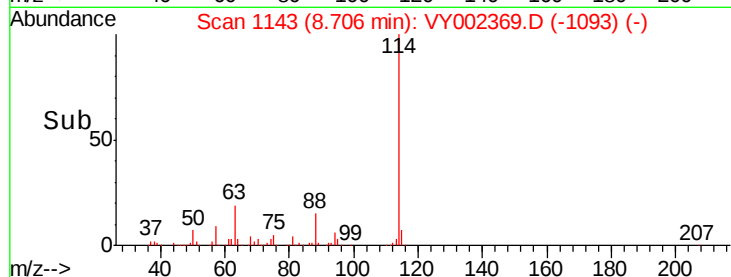
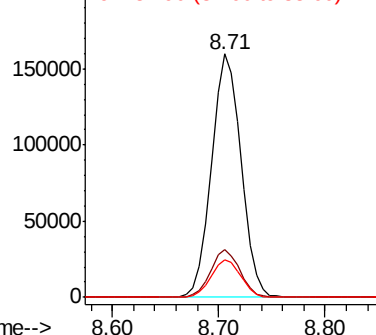
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VY002369.D
Acq: 16 Apr 2020 16:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 311777
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.0
88 15.4 0.0 31.0

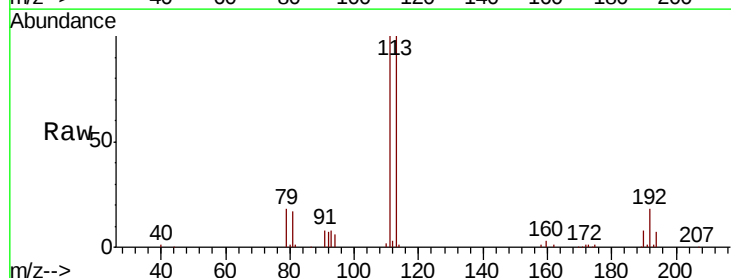


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

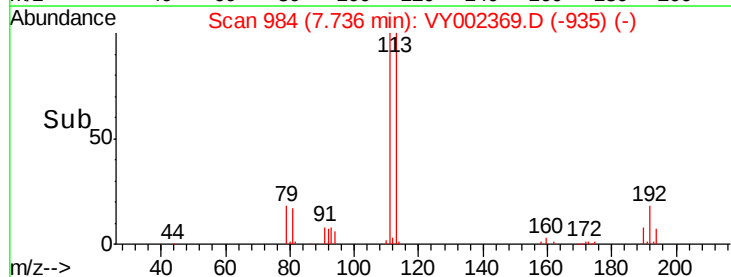
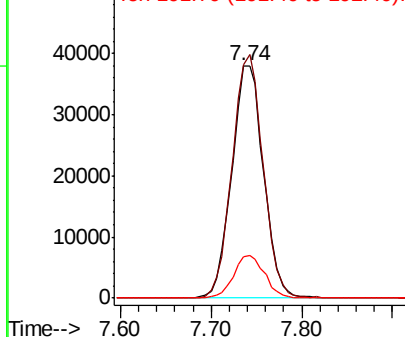


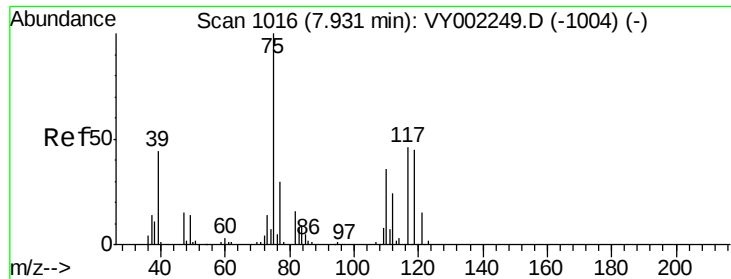
#35
Dibromofluoromethane
Concen: 49.732 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.00 min
Lab File: VY002369.D
Acq: 16 Apr 2020 16:02

Tgt Ion:113 Resp: 92262
Ion Ratio Lower Upper
113 100
111 102.3 83.5 125.3
192 17.9 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

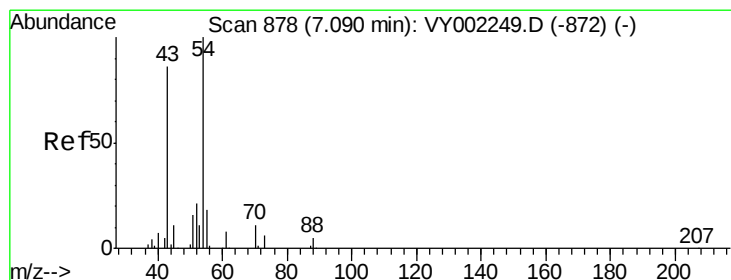
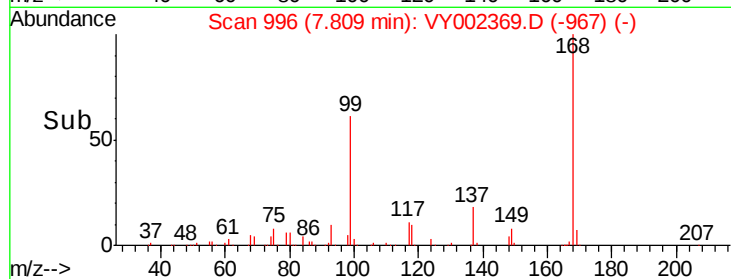
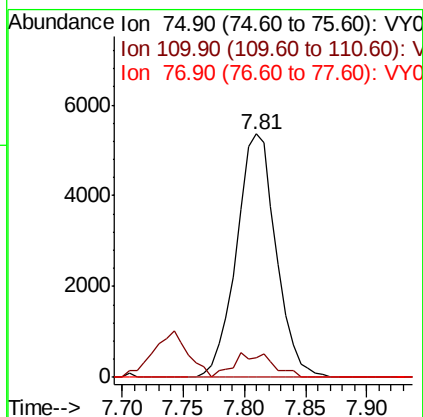
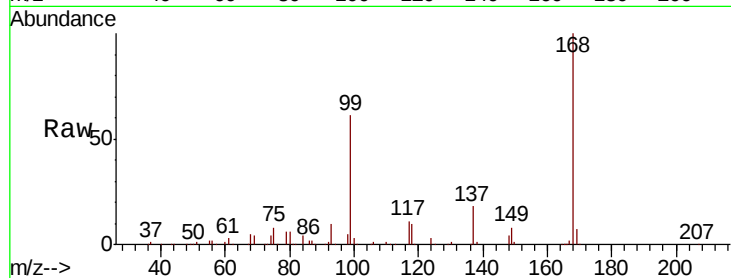




#36
 1,1-Dichloropropene
 Concen: 3.925 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002369.D
 Acq: 16 Apr 2020 16:02

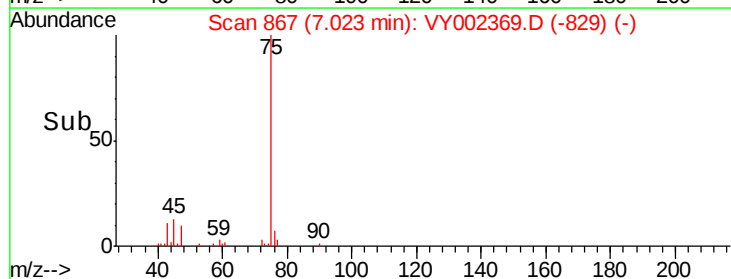
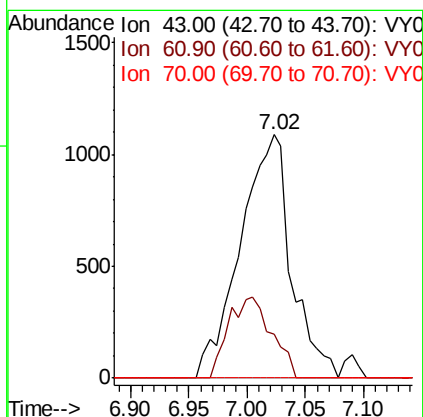
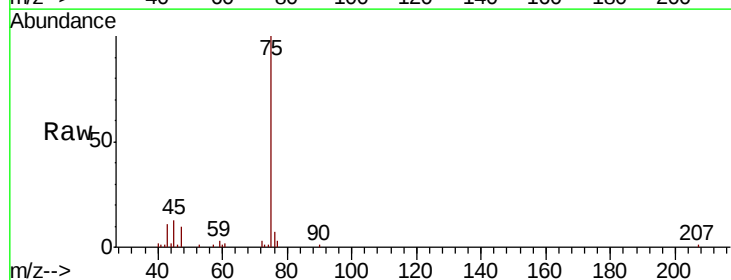
Instrument :
 MSVOA_Y
 ClientSampleId :

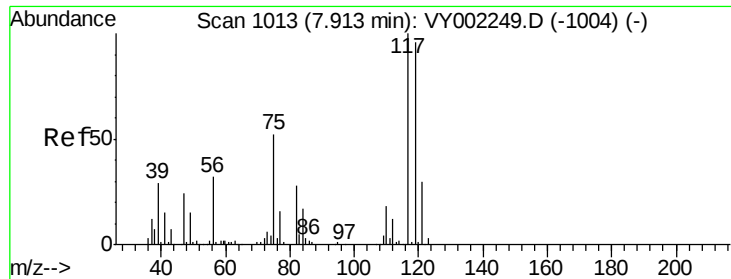
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.8	53.3#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 1.894 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VY002369.D
 Acq: 16 Apr 2020 16:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.9	11.8	17.6#
70	0.0	9.1	13.7#





#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

ClientSampled :

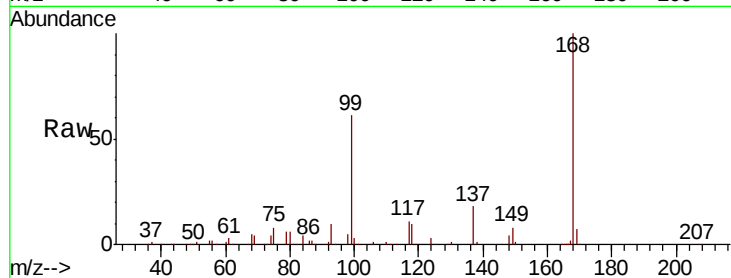
Tot Ion:117 Resp: 15436

Ion Ratio Lower Upper

117 100

119 3.8 77.1 115.7#

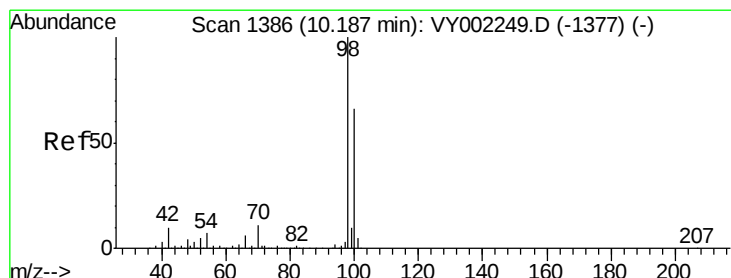
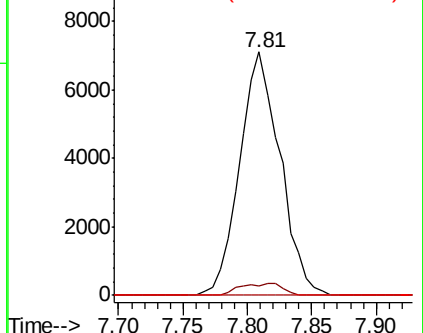
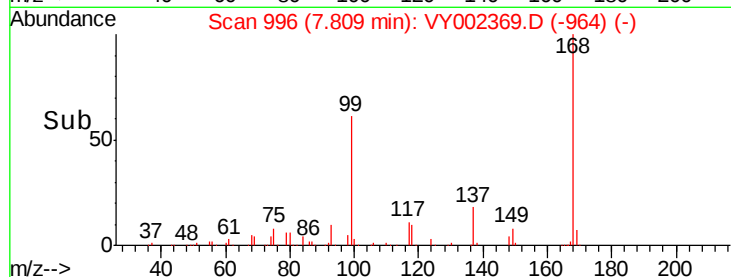
121 0.0 23.9 35.9#



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: 48.613 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002369.D

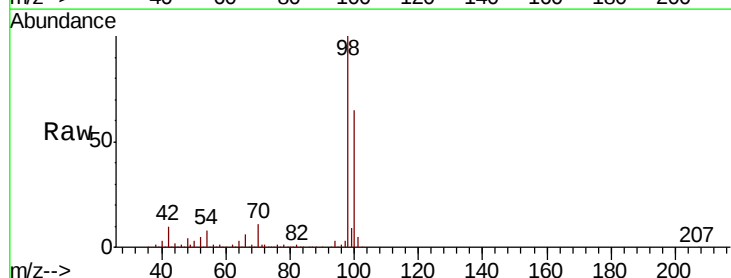
Acq: 16 Apr 2020 16:02

Tgt Ion: 98 Resp: 377482

Ion Ratio Lower Upper

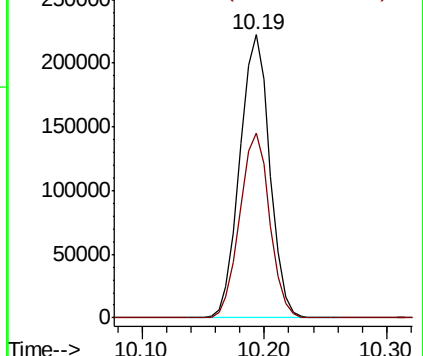
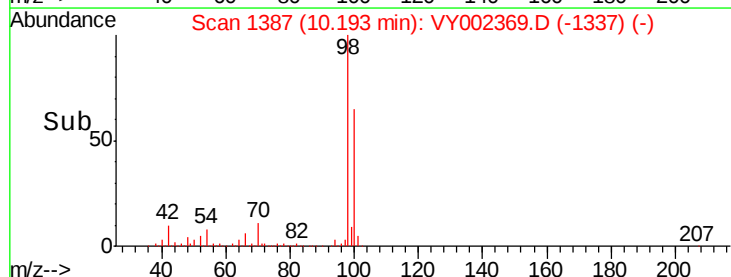
98 100

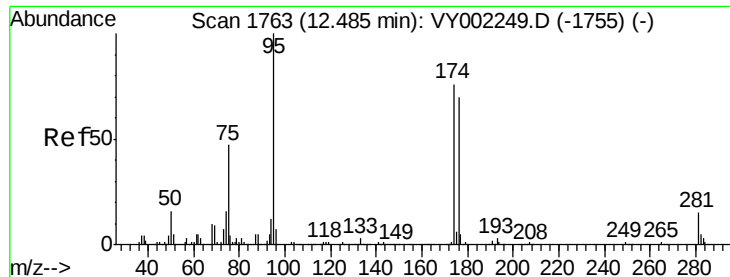
100 65.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 54.943 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

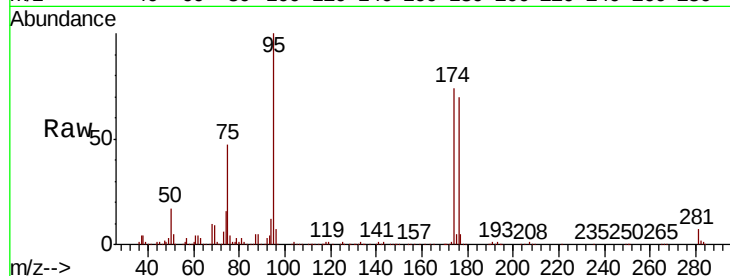
Tot Ion: 95 Resp: 140752

Ion Ratio Lower Upper

95 100

174 71.6 0.0 150.6

176 69.1 0.0 141.4



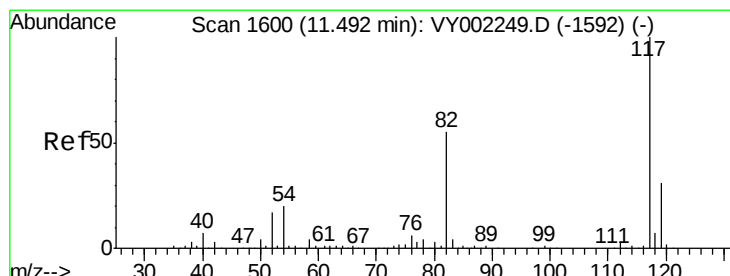
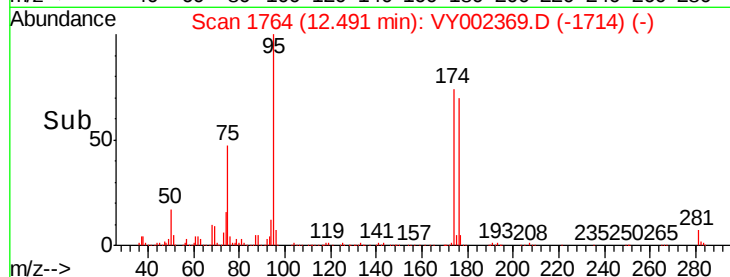
Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002249.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002249.D (-1755) (-)

12.49

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

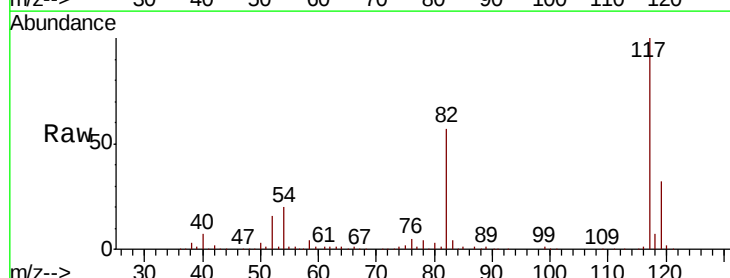
Tgt Ion: 117 Resp: 297728

Ion Ratio Lower Upper

117 100

82 57.0 44.2 66.4

119 32.3 25.1 37.7



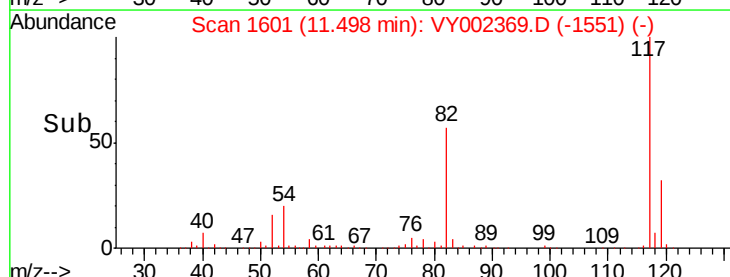
Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

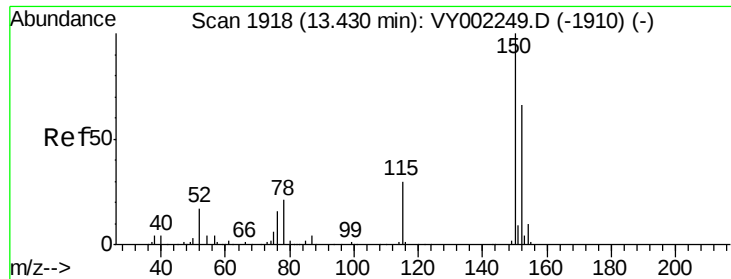
Ion 82.00 (81.70 to 82.70): VY002249.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002249.D (-1592) (-)

11.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

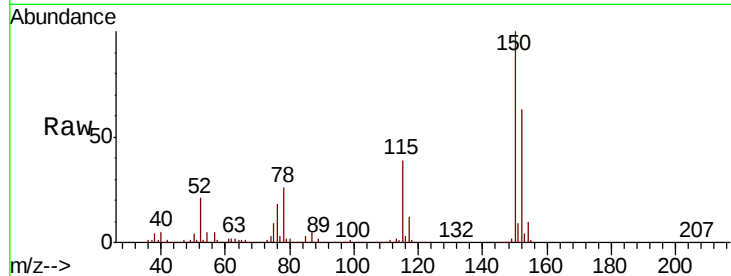
Tot Ion:152 Resp: 136639

Ion Ratio Lower Upper

152 100

115 61.8 30.7 92.1

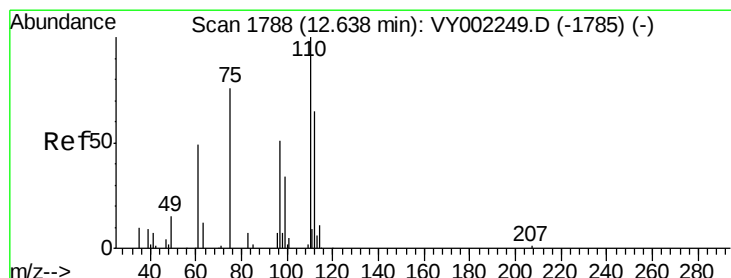
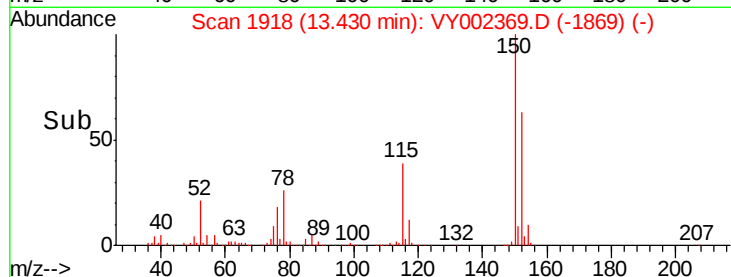
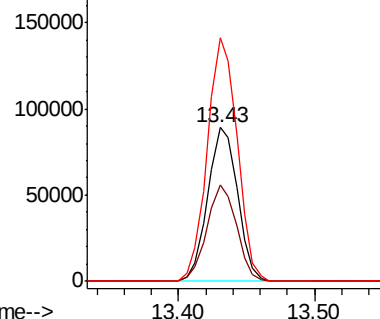
150 158.6 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 42.228 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002369.D

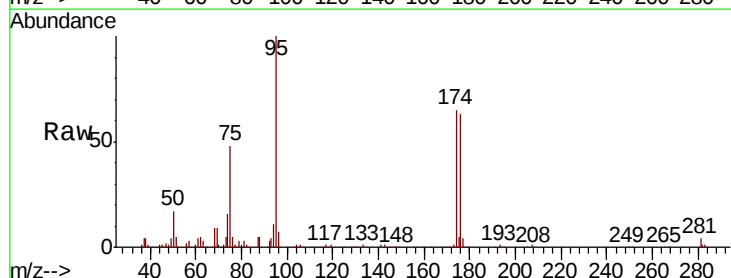
Acq: 16 Apr 2020 16:02

Tgt Ion: 75 Resp: 67002

Ion Ratio Lower Upper

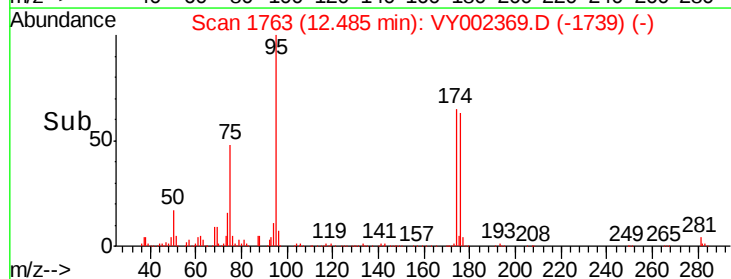
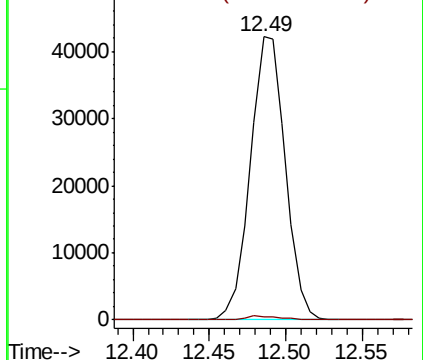
75 100

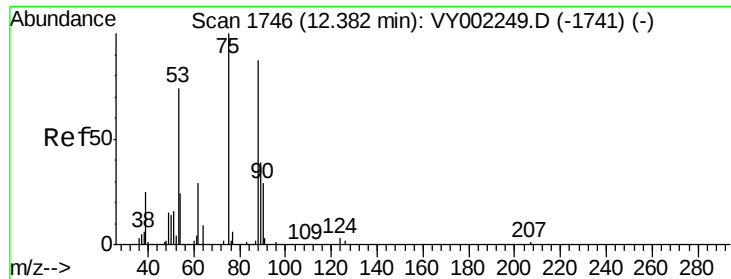
77 1.4 0.0 0.0#



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: 82.133 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002369.D

Acq: 16 Apr 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 67002

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#

