

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002260.D
 Acq On : 08 Apr 2020 19:09
 Operator : SY/MD
 Sample : L2199-08
 Misc : 6.77G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-37-36

Quant Time: Apr 09 01:56:57 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	146613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	294192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	261133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	91748	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	90803	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	7.73	113	78996	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
50) Toluene-d8	10.19	98	353845	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.49	95	111849	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

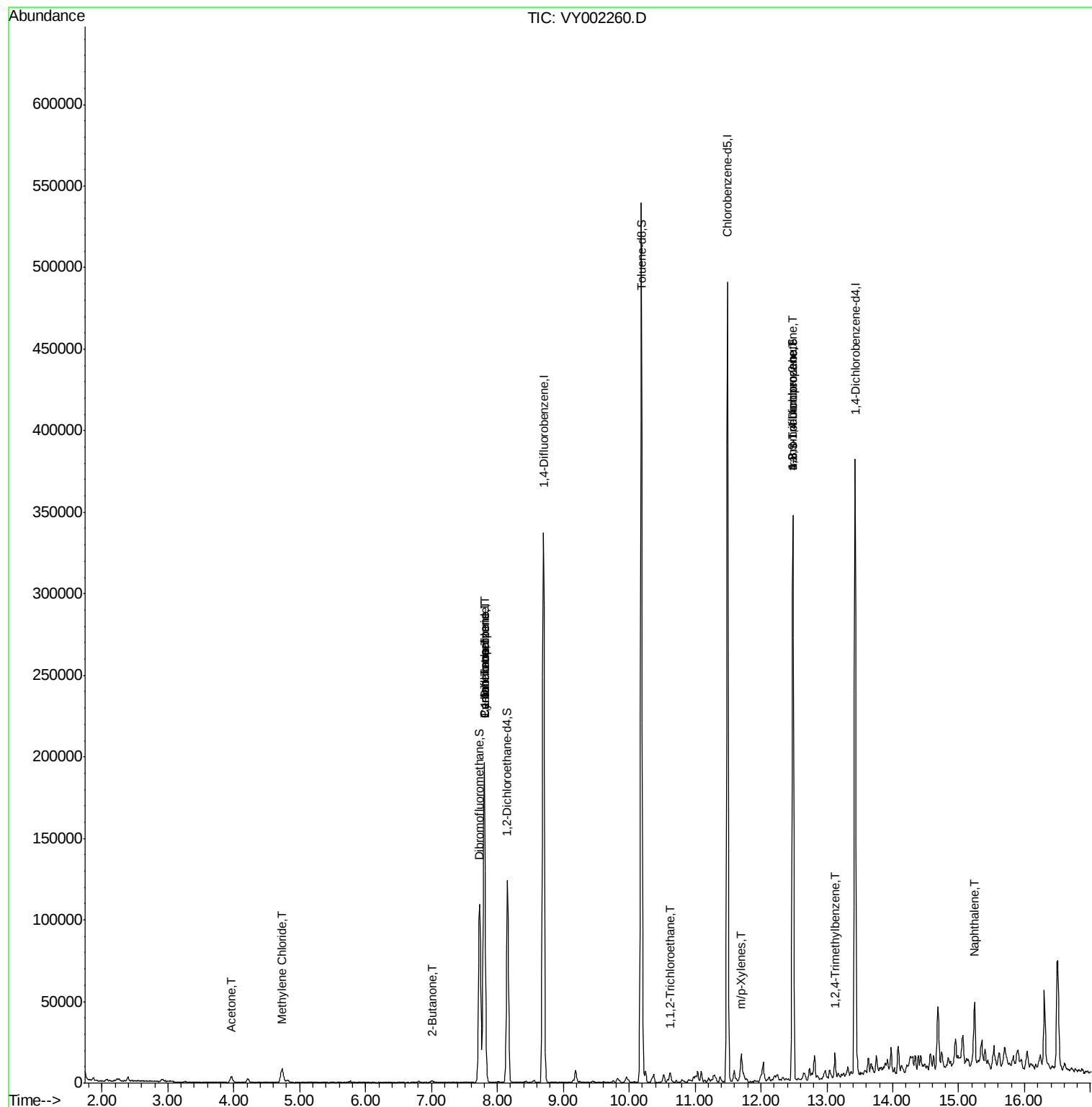
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	6510	15.160	ug/l	92
20) Methylene Chloride	4.73	84	6683	3.166	ug/l	90
25) 2-Butanone	7.00	43	1621	2.385	ug/l #	80
31) Cyclohexane	7.80	56	4031	1.174	ug/l #	7
36) 1,1-Dichloropropene	7.80	75	12734	4.394	ug/l #	49
38) Carbon Tetrachloride	7.80	117	14848	5.990	ug/l #	17
55) 1,1,2-Trichloroethane	10.63	97	2623	1.571	ug/l #	21
68) m/p-Xylenes	11.70	106	4855	1.304	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	56832	53.343	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56832	103.752	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	7804	1.311	ug/l	96
95) Naphthalene	15.24	128	30200	7.556	ug/l	97

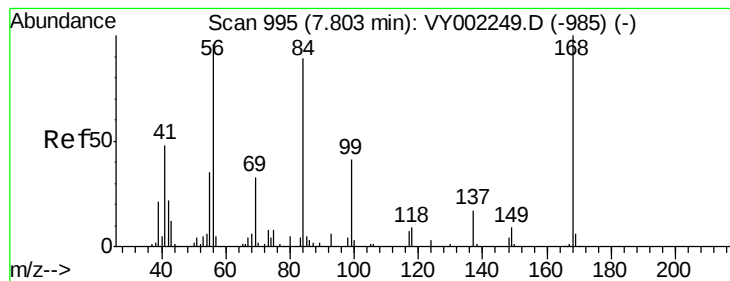
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampled :

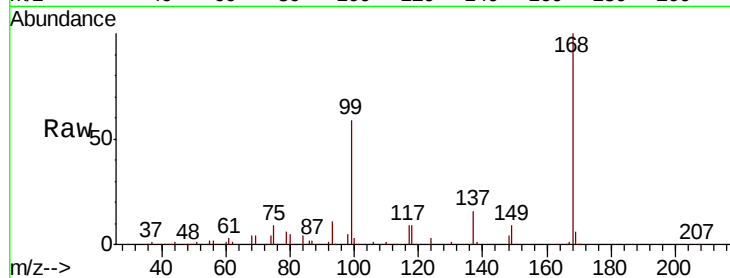
TP-37-36

Tot Ion:168 Resp: 146613

Ion Ratio Lower Upper

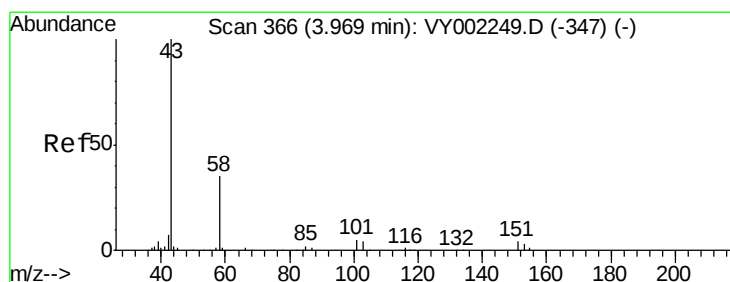
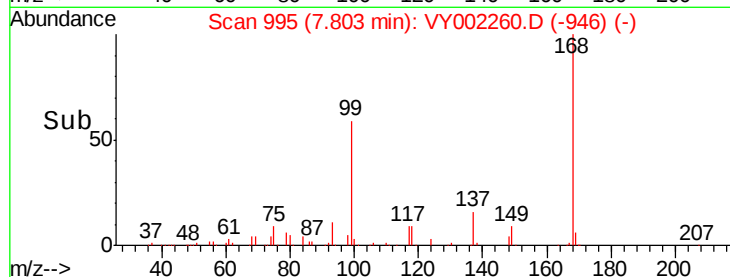
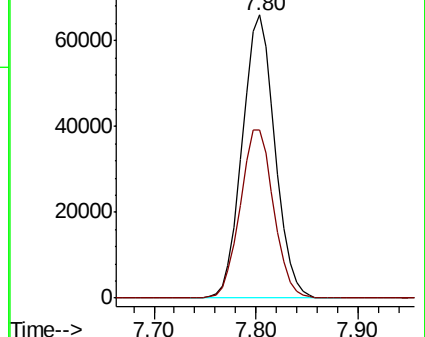
168 100

99 59.5 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) (-)



#16

Acetone

Concen: 15.160 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002260.D

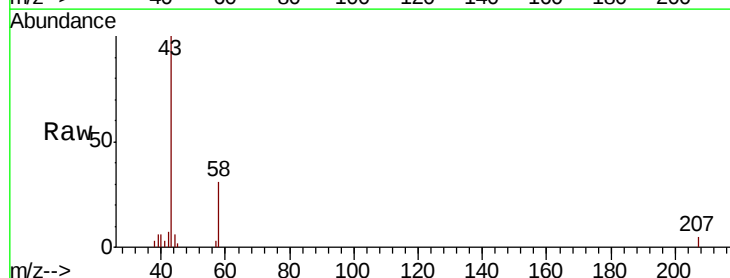
Acq: 08 Apr 2020 19:09

Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

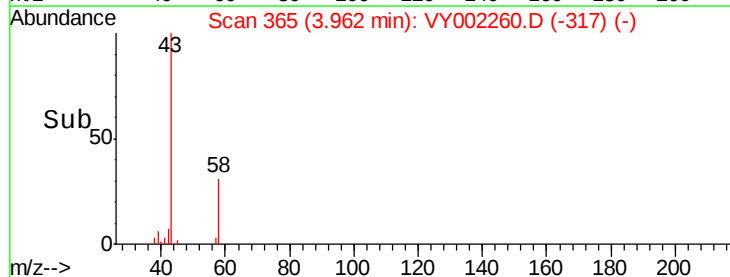
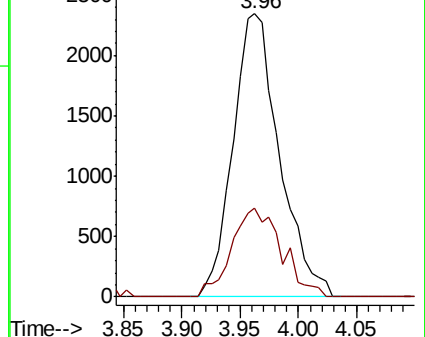
43 100

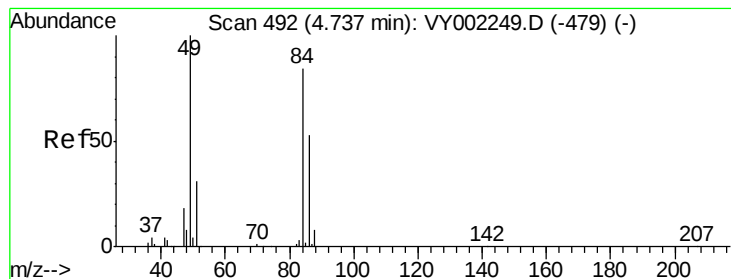
58 31.2 28.5 42.7



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: 3.166 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-37-36

Tot Ion: 84 Resp: 6683

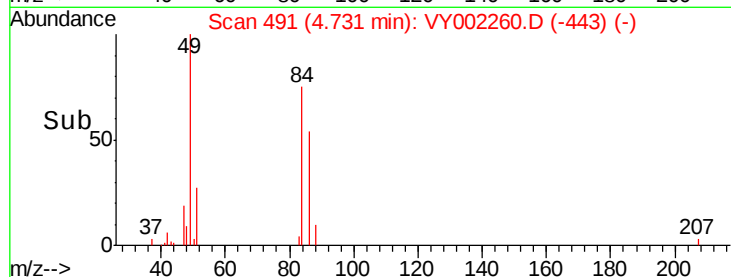
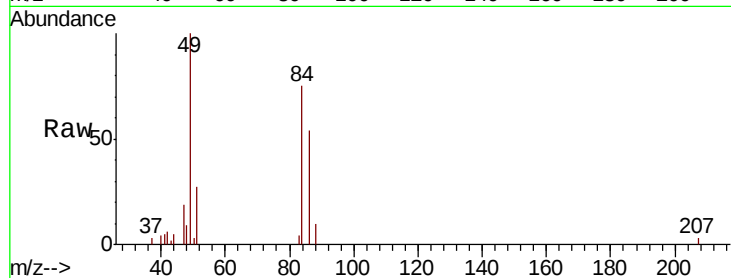
Ion Ratio Lower Upper

84 100

49 133.8 95.5 143.3

51 36.6 29.5 44.3

86 72.3 50.7 76.1

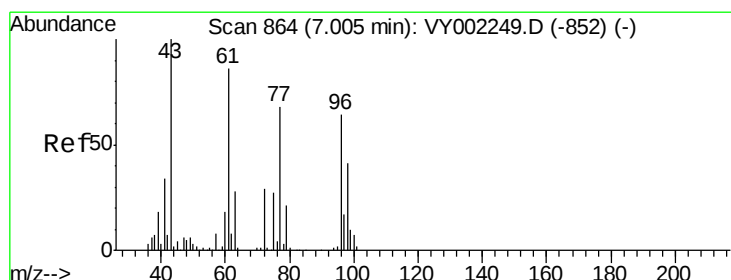
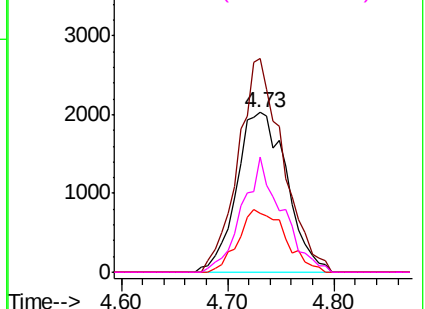


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25

2-Butanone

Concen: 2.385 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY002260.D

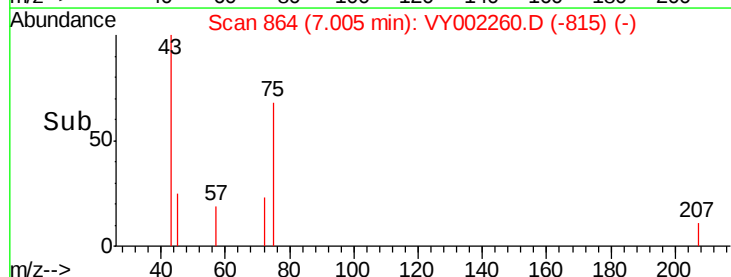
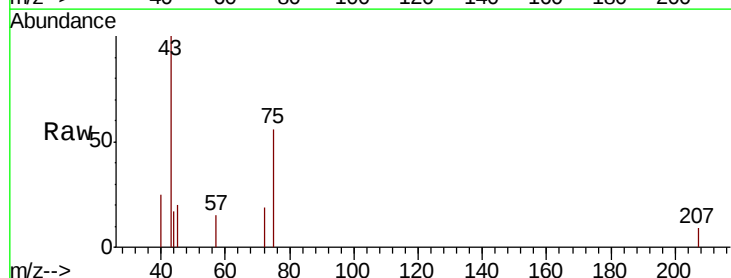
Acq: 08 Apr 2020 19:09

Tgt Ion: 43 Resp: 1621

Ion Ratio Lower Upper

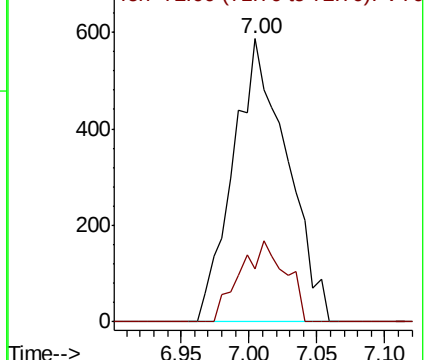
43 100

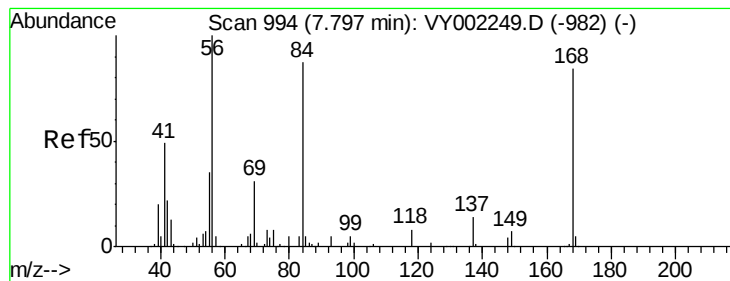
72 18.6 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampled :

TP-37-36

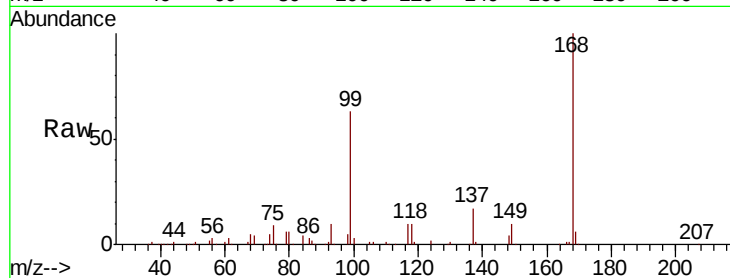
Tot Ion: 56 Resp: 4031

Ion Ratio Lower Upper

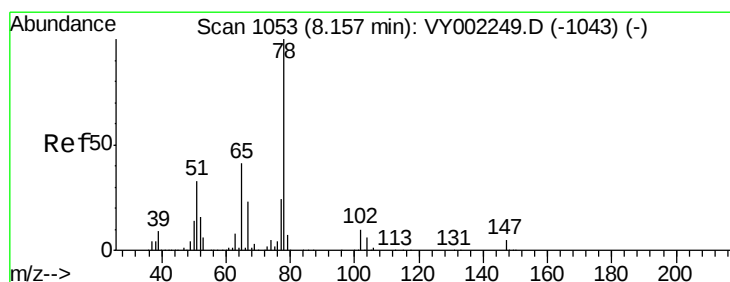
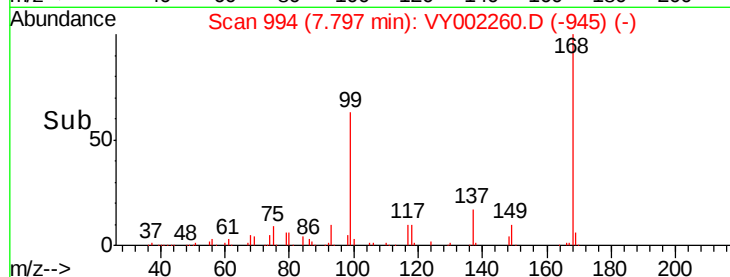
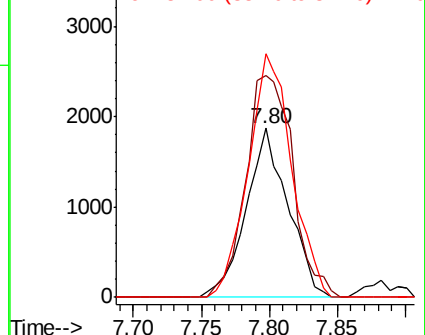
56 100

69 131.1 25.0 37.6#

84 144.0 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: 55.692 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002260.D

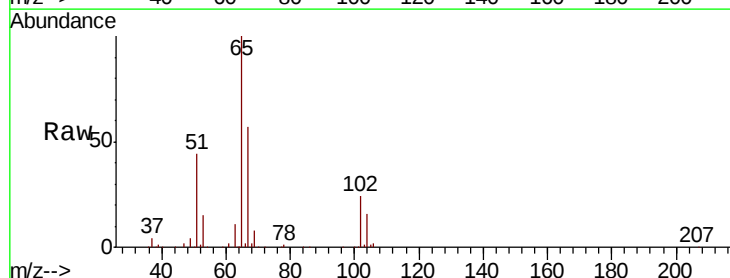
Acq: 08 Apr 2020 19:09

Tgt Ion: 65 Resp: 90803

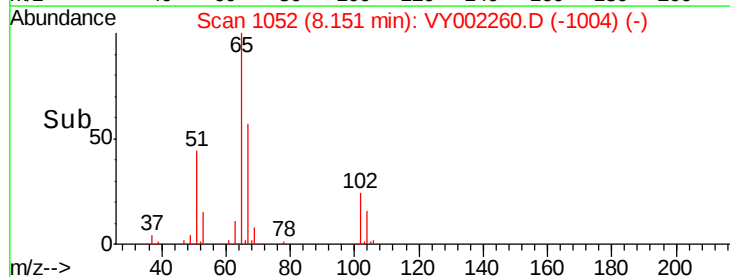
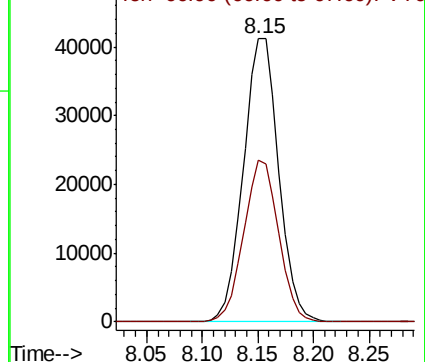
Ion Ratio Lower Upper

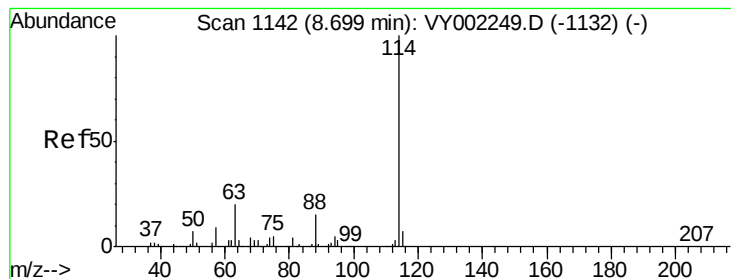
65 100

67 56.6 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: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-37-36

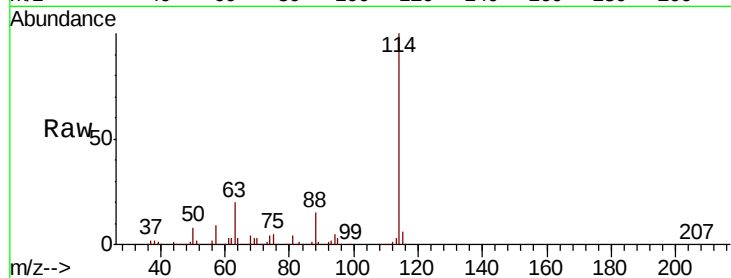
Tot Ion:114 Resp: 294192

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

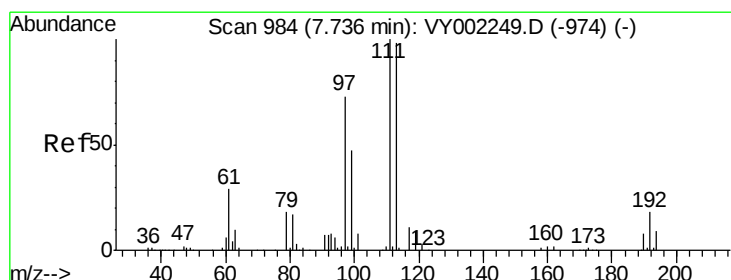
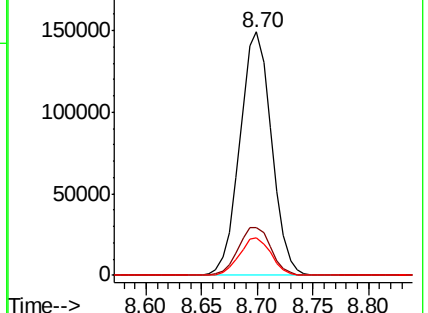
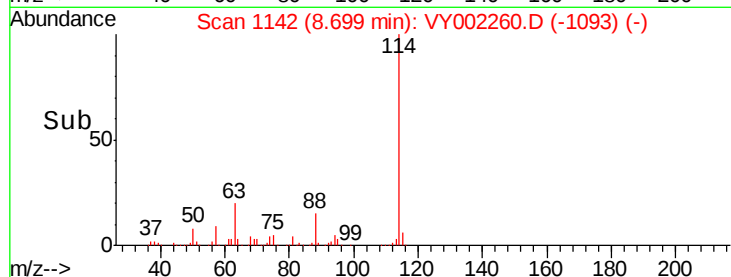
88 15.4 0.0 31.0



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: 45.127 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

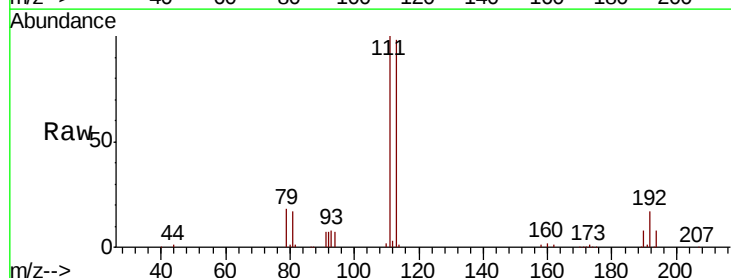
Tgt Ion:113 Resp: 78996

Ion Ratio Lower Upper

113 100

111 104.6 83.5 125.3

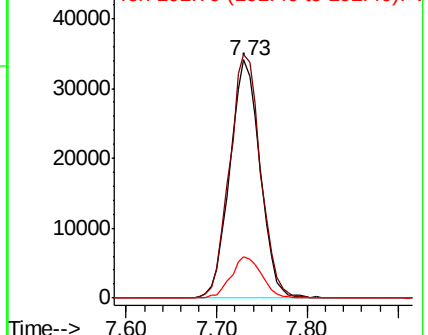
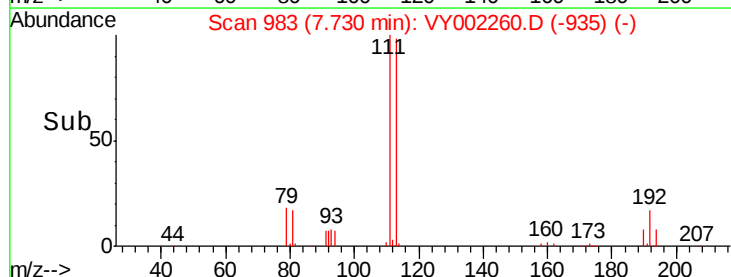
192 17.5 14.7 22.1

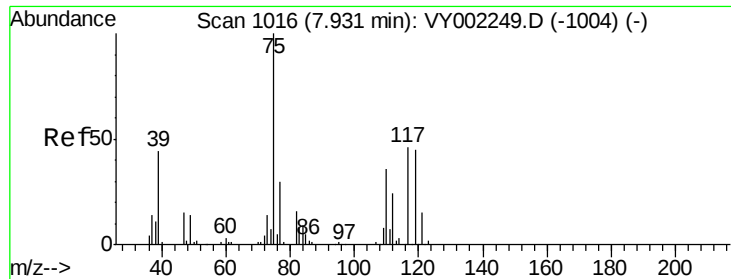


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

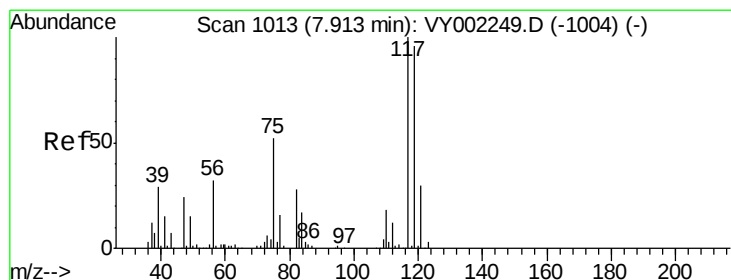
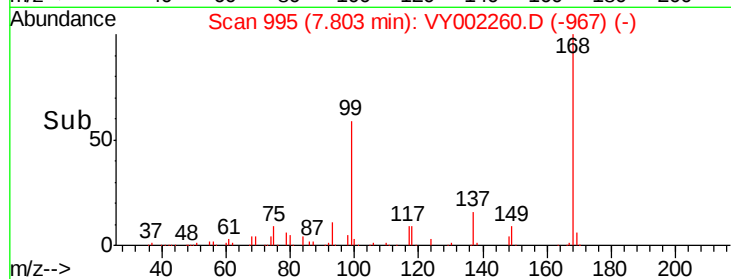
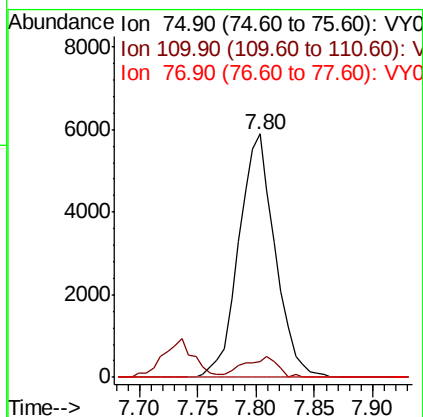
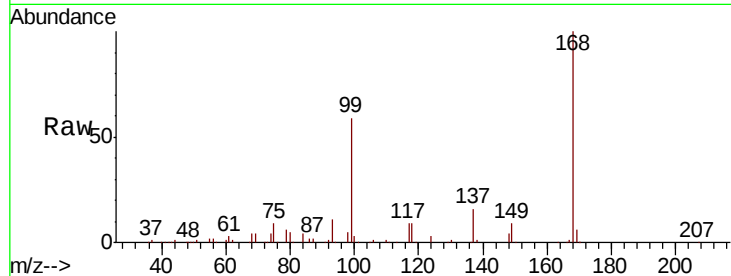




#36
 1,1-Dichloropropene
 Concen: 4.394 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002260.D
 Acq: 08 Apr 2020 19:09

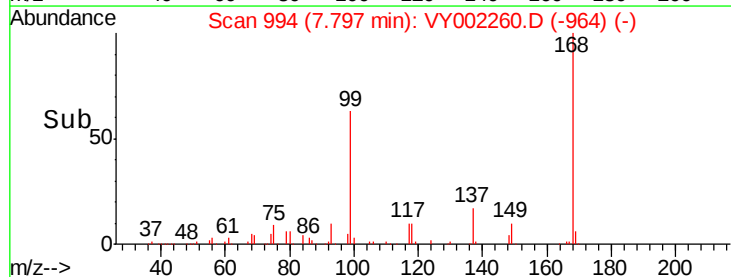
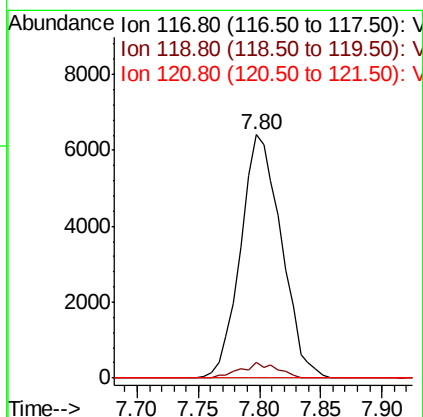
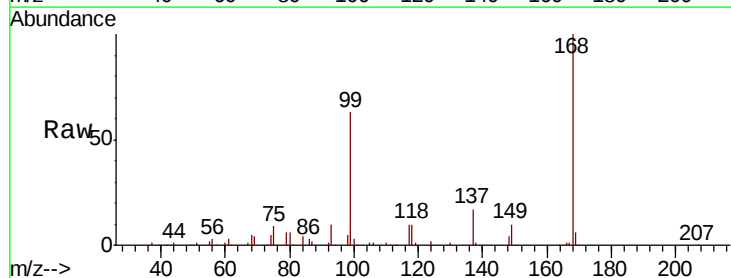
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-37-36

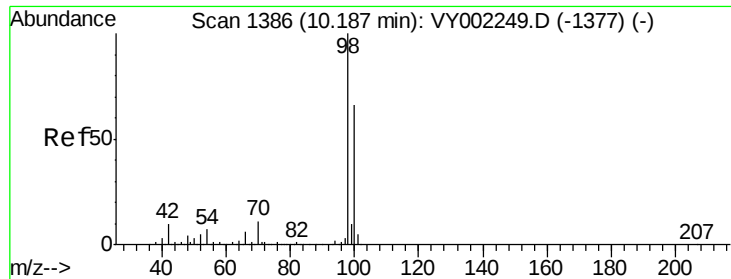
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.990 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002260.D
 Acq: 08 Apr 2020 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.293 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampled :

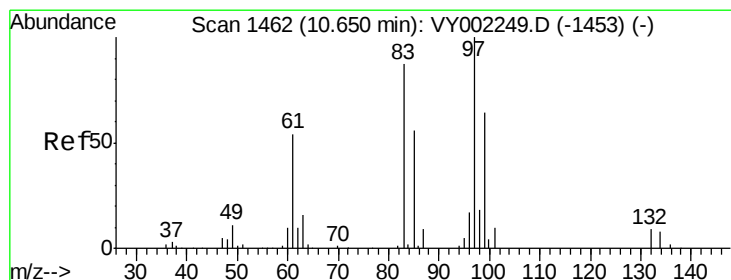
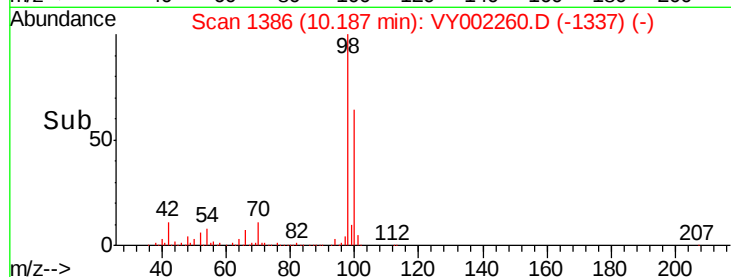
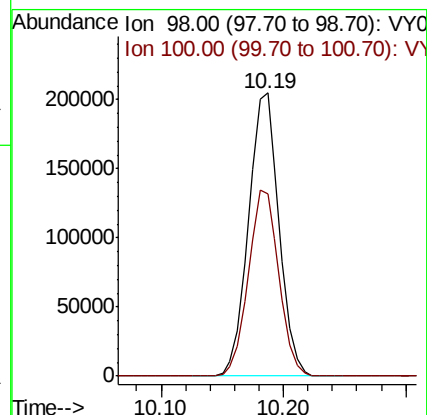
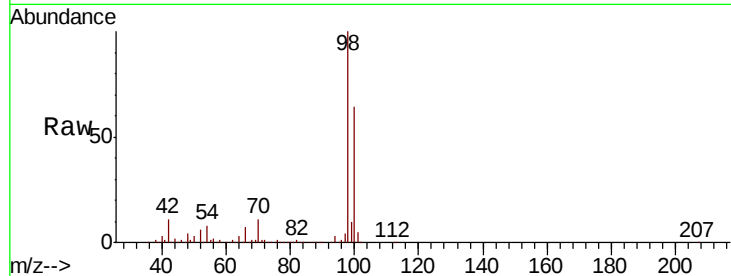
TP-37-36

Tot Ion: 98 Resp: 353845

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 1.571 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.02 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Tgt Ion: 97 Resp: 2623

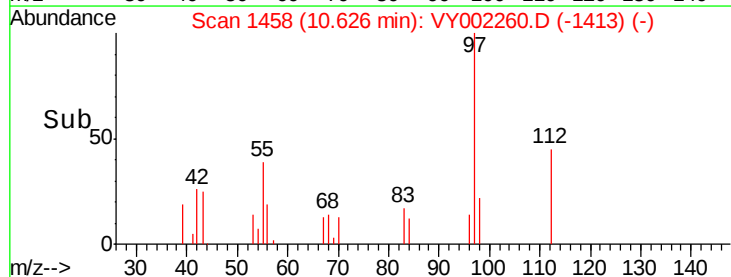
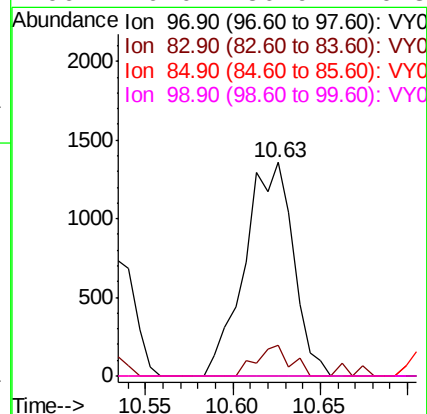
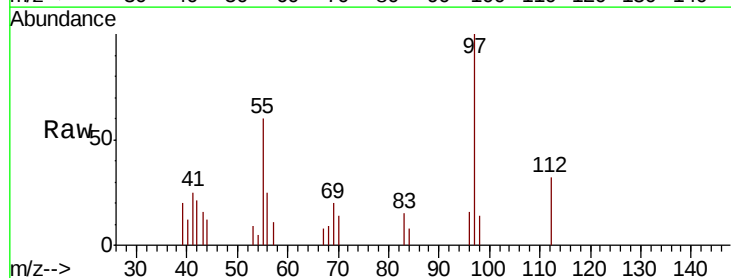
Ion Ratio Lower Upper

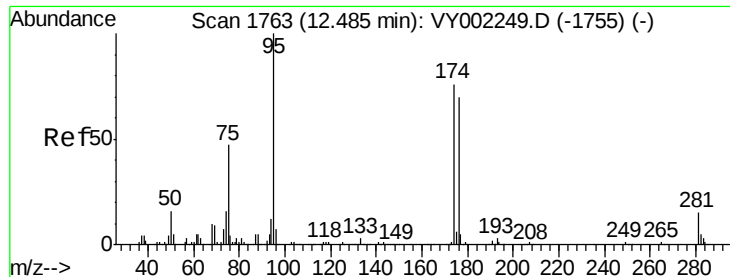
97 100

83 14.5 69.5 104.3#

85 0.0 45.2 67.8#

99 0.0 50.9 76.3#





#62

4-Bromofluorobenzene

Concen: 46.270 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-37-36

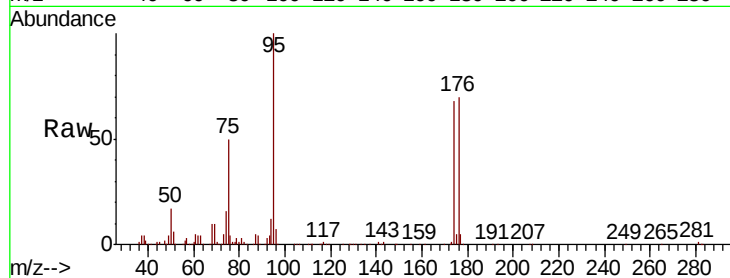
Tot Ion: 95 Resp: 111849

Ion Ratio Lower Upper

95 100

174 70.7 0.0 150.6

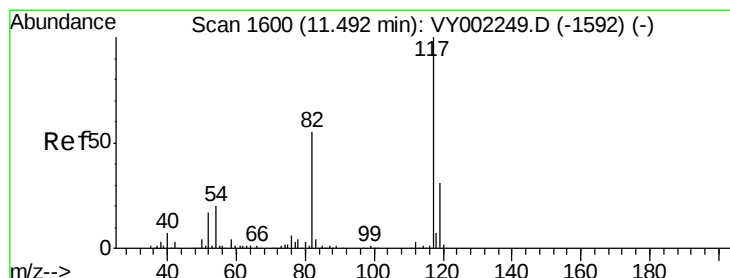
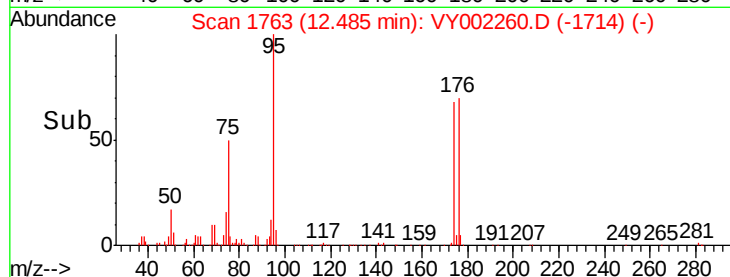
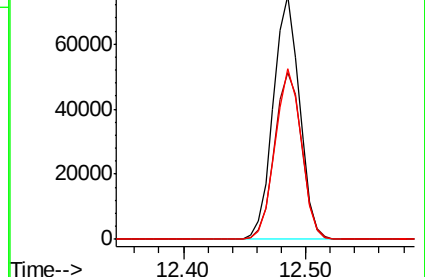
176 69.6 0.0 141.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

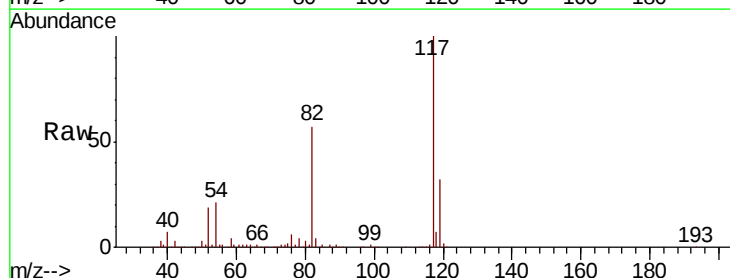
Tgt Ion: 117 Resp: 261133

Ion Ratio Lower Upper

117 100

82 57.4 44.2 66.4

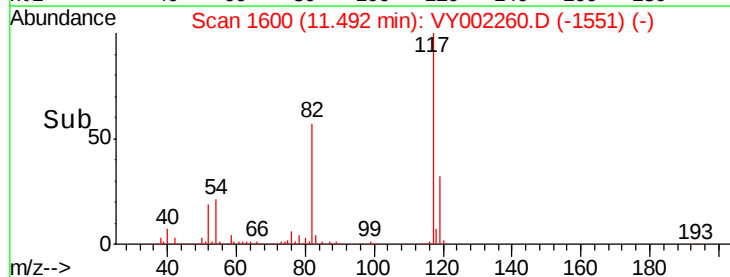
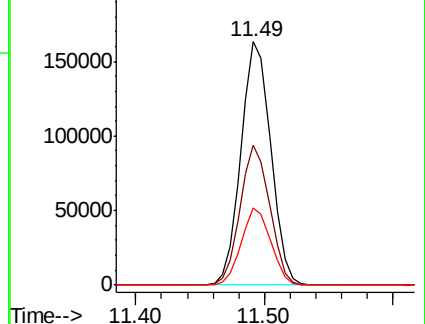
119 31.8 25.1 37.7

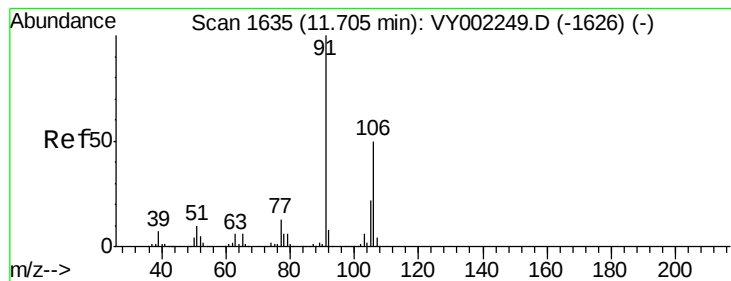


Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

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

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





#68

m/p-Xvlenes

Concen: 1.304 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

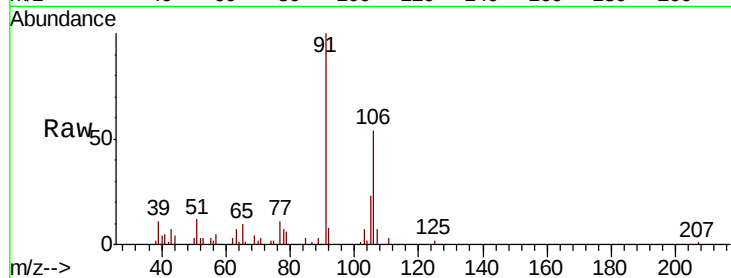
TP-37-36

Tot Ion:106 Resp: 4855

Ion Ratio Lower Upper

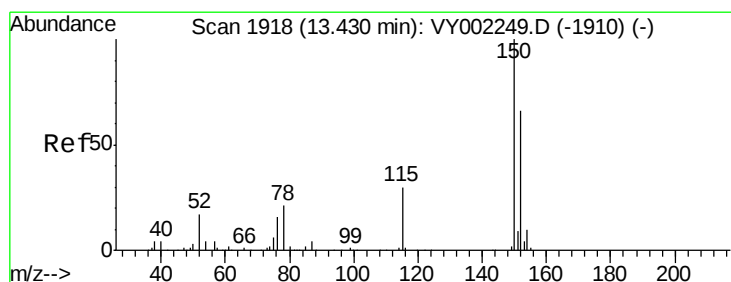
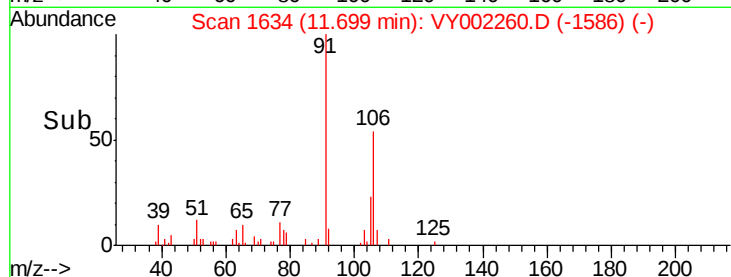
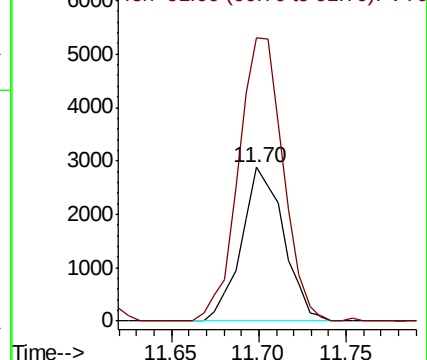
106 100

91 194.5 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

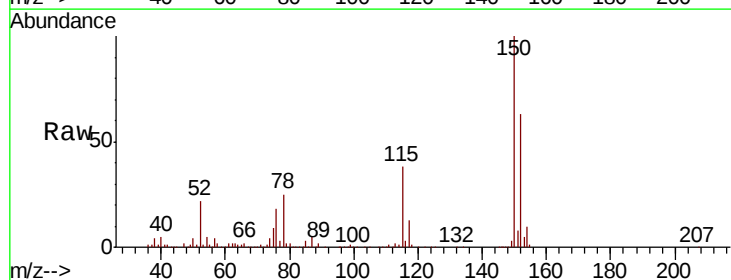
Tgt Ion:152 Resp: 91748

Ion Ratio Lower Upper

152 100

115 61.5 30.7 92.1

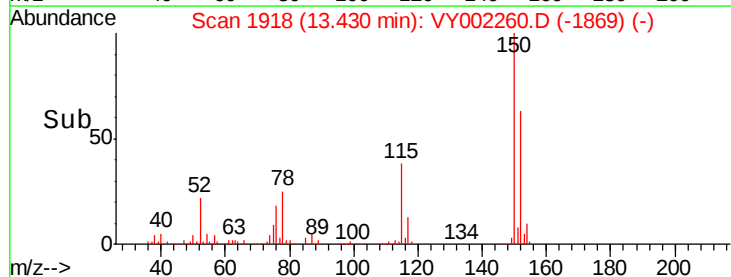
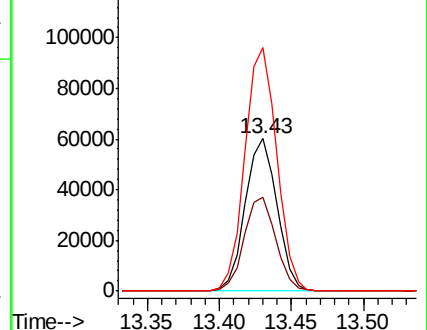
150 160.5 0.0 350.6

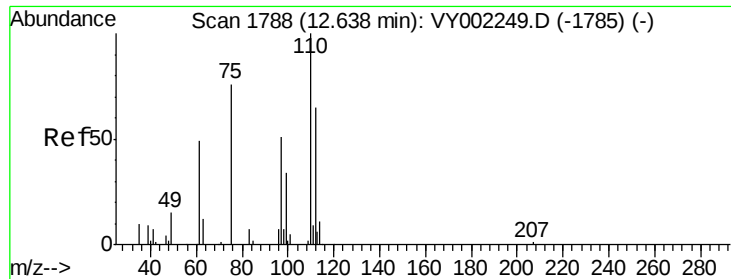


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.343 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

Instrument :

MSVOA_Y

ClientSampleId :

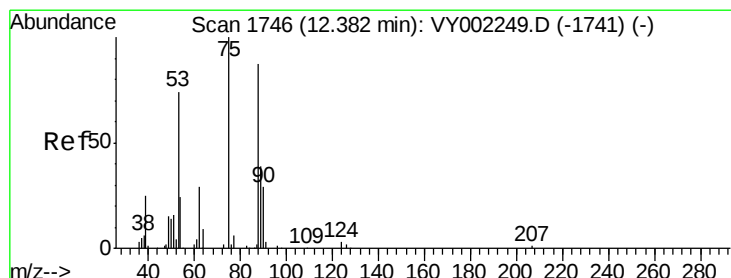
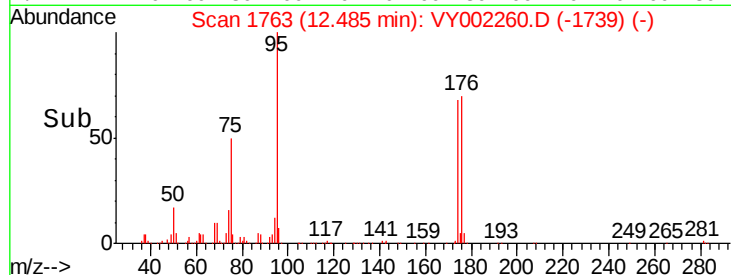
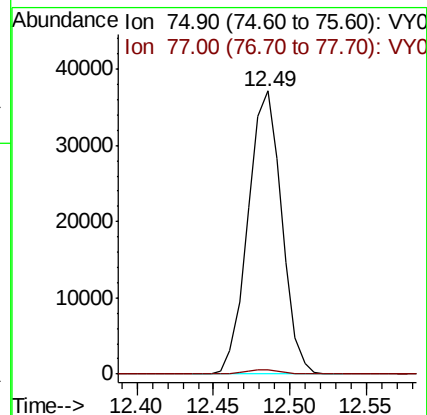
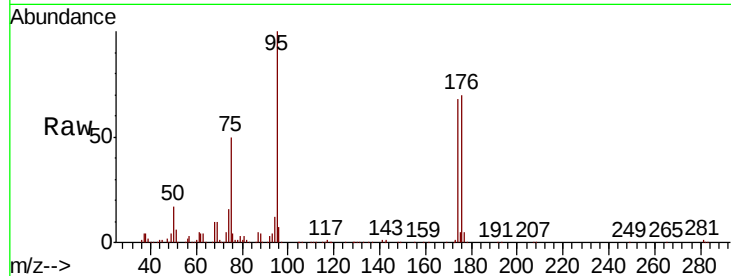
TP-37-36

Tot Ion: 75 Resp: 56832

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.752 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002260.D

Acq: 08 Apr 2020 19:09

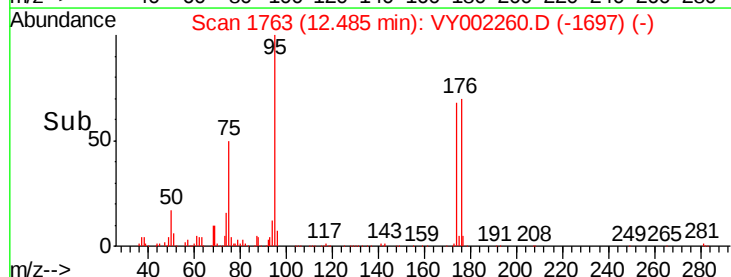
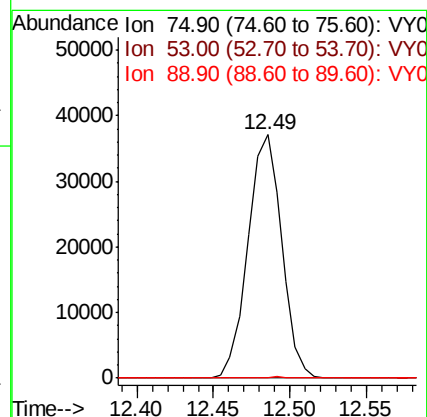
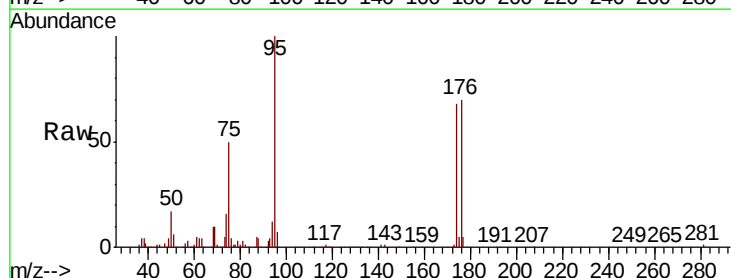
Tgt Ion: 75 Resp: 56832

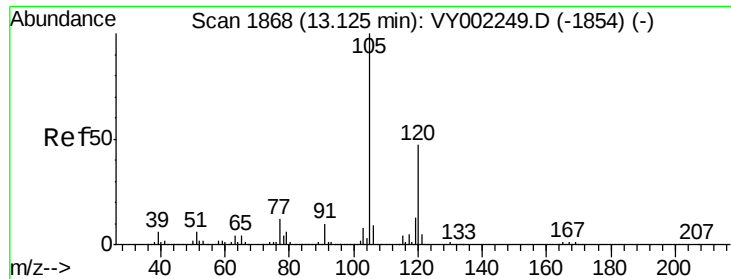
Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.2 37.0 55.6#

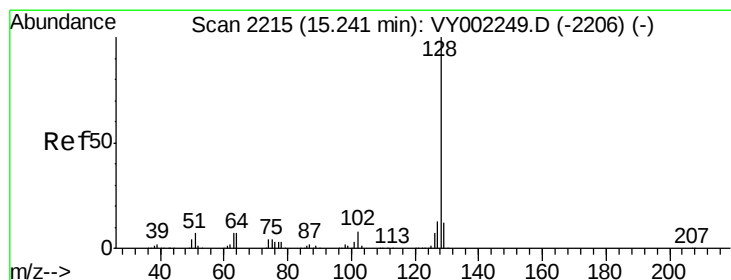
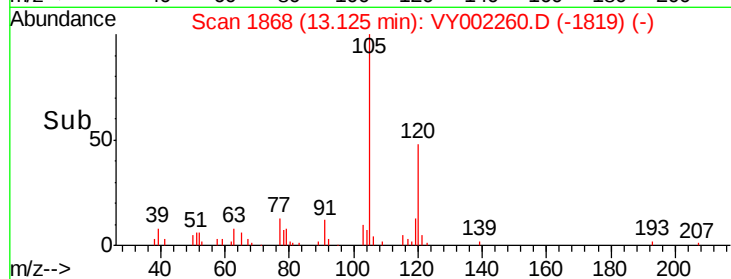
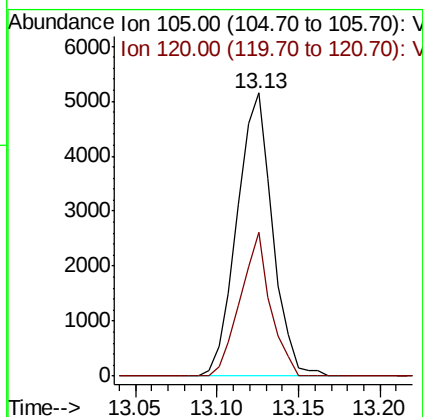
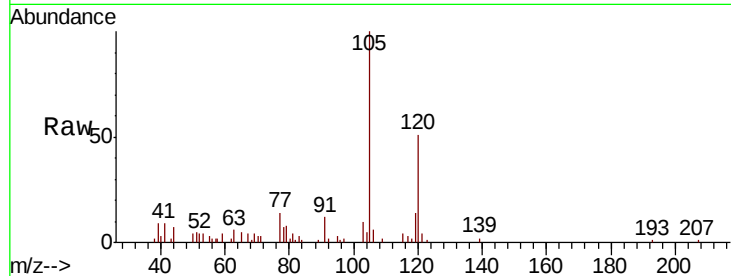




#84
 1,2,4-Trimethylbenzene
 Concen: 1.311 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002260.D
 Acq: 08 Apr 2020 19:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-37-36

Tot Ion:105 Resp: 7804
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.1 69.2



#95
 Naphthalene
 Concen: 7.556 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: VY002260.D
 Acq: 08 Apr 2020 19:09

Tgt Ion:128 Resp: 30200
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.1 15.1
 129 11.9 8.7 13.1

