

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002361.D
 Acq On : 16 Apr 2020 13:03
 Operator : SY/MD
 Sample : L2245-20RE
 Misc : 4.62G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:05:07 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	147897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	280876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	237700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	80591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	72302	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
35) Dibromofluoromethane	7.73	113	79122	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	10.18	98	330433	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.48	95	92999	40.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.60%	

Target Compounds

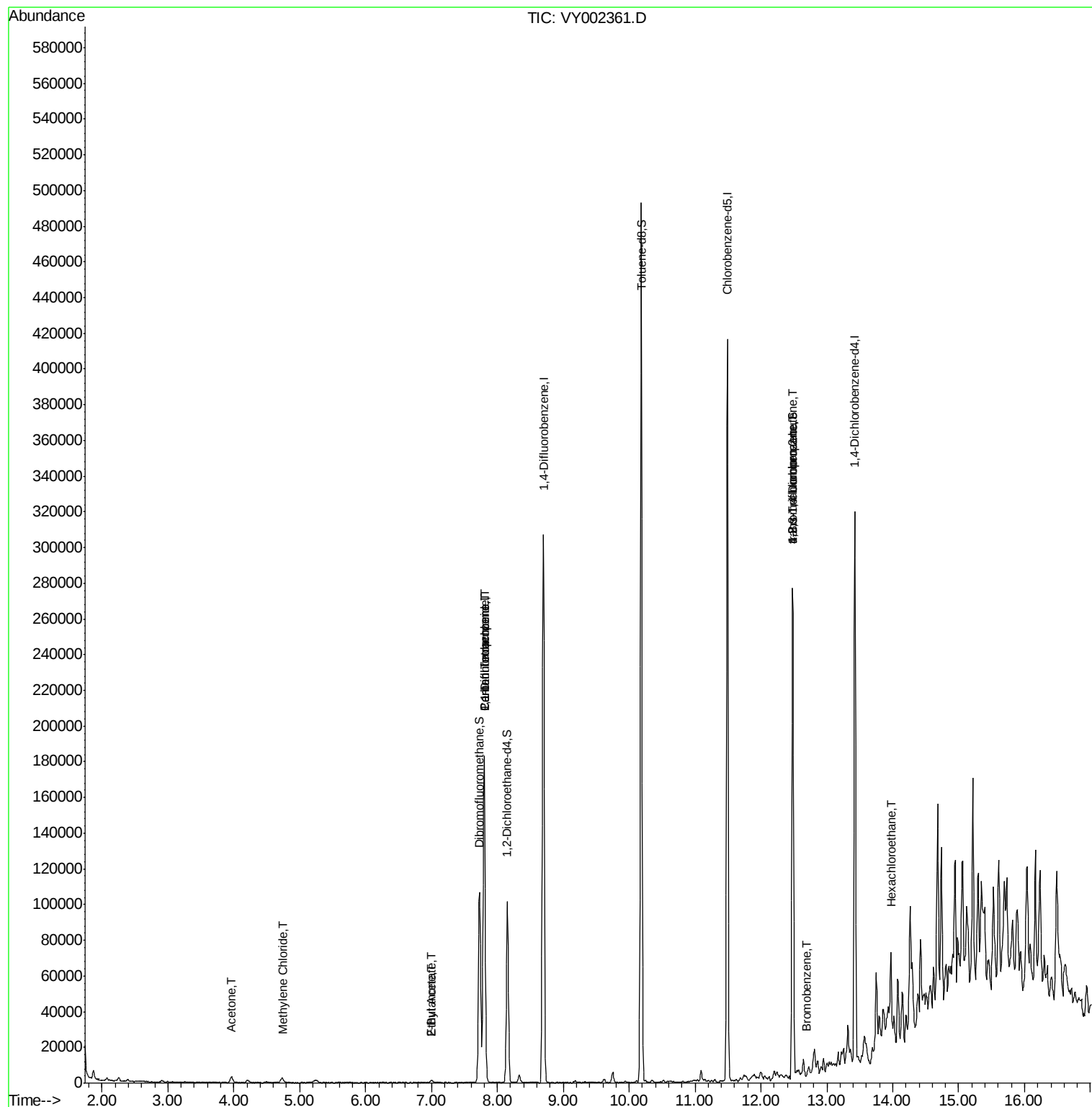
					Qvalue	
16) Acetone	3.96	43	6136	14.165	ug/l	93
20) Methylene Chloride	4.74	84	2138	1.004	ug/l #	91
25) 2-Butanone	7.01	43	1874	2.734	ug/l #	61
36) 1,1-Dichloropropene	7.80	75	10783	3.898	ug/l #	49
37) Ethyl Acetate	7.01	43	1874	1.186	ug/l #	67
38) Carbon Tetrachloride	7.80	117	14059	5.941	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	42866	45.805	ug/l #	100
77) Bromobenzene	12.69	156	1492	1.071	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	42866	89.090	ug/l #	19
90) Hexachloroethane	13.97	117	1871	1.746	ug/l #	17

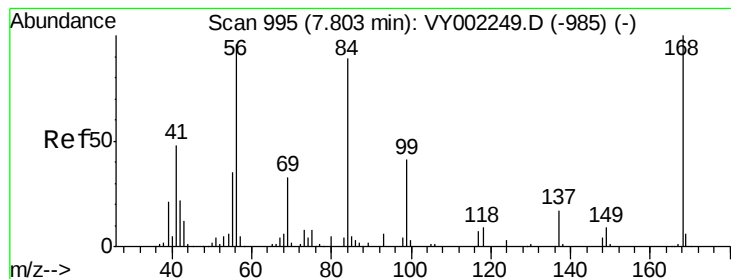
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
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: VY002361.D

Acq: 16 Apr 2020 13:03

Instrument :

MSVOA_Y

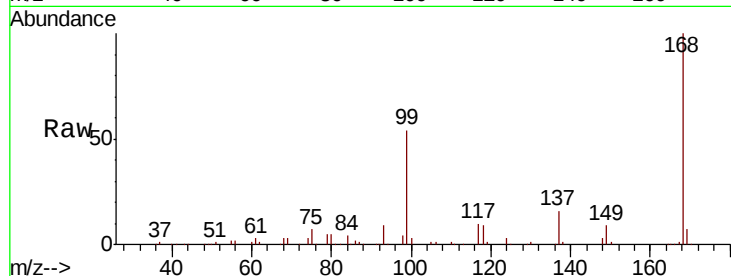
ClientSampleId :

Tot Ion:168 Resp: 147897

Ion Ratio Lower Upper

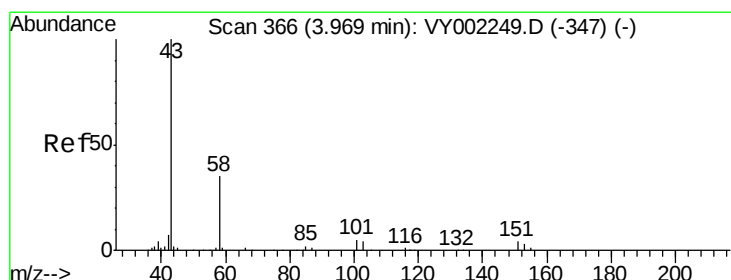
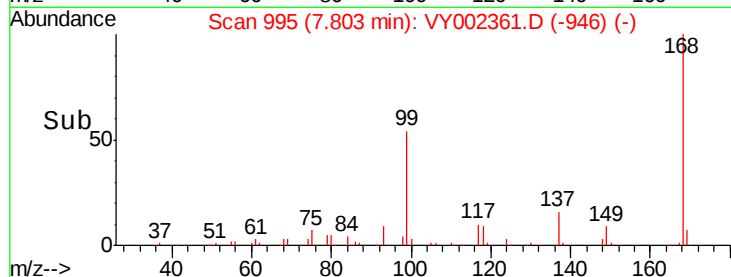
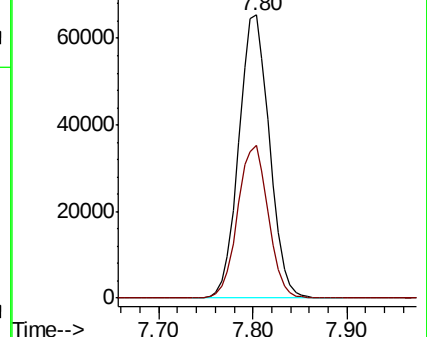
168 100

99 53.8 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: 14.165 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002361.D

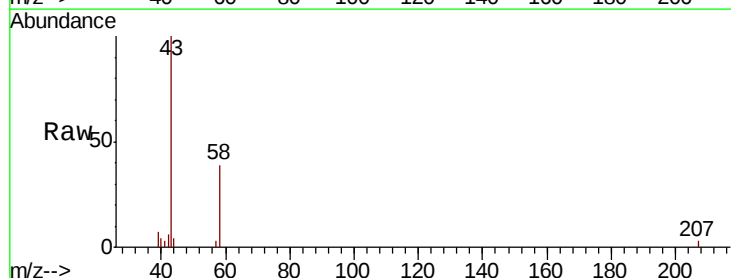
Acq: 16 Apr 2020 13:03

Tgt Ion: 43 Resp: 6136

Ion Ratio Lower Upper

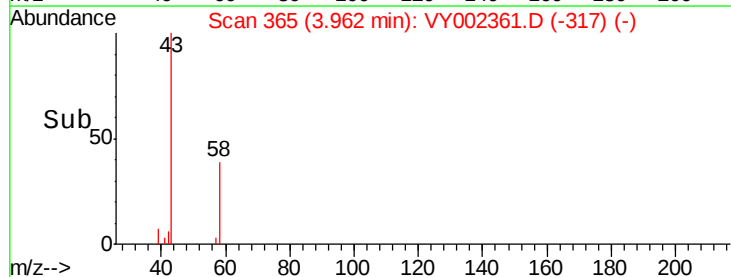
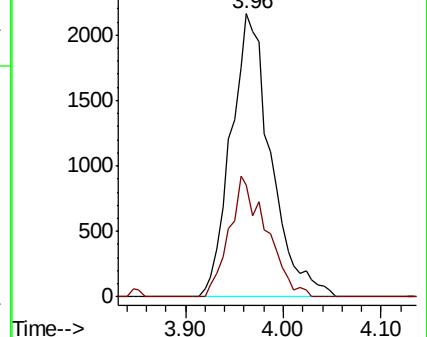
43 100

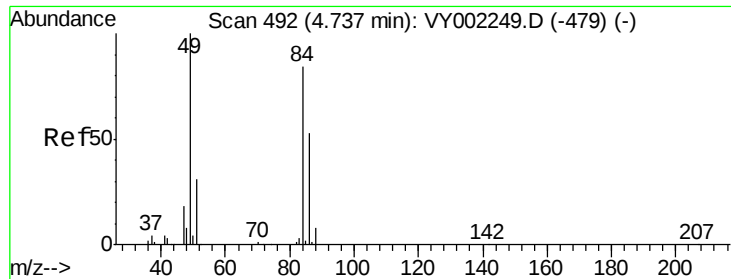
58 39.4 28.5 42.7



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

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

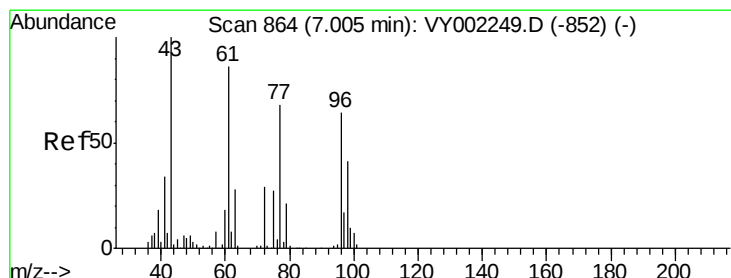
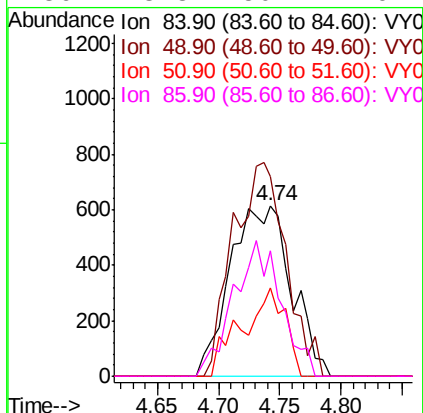
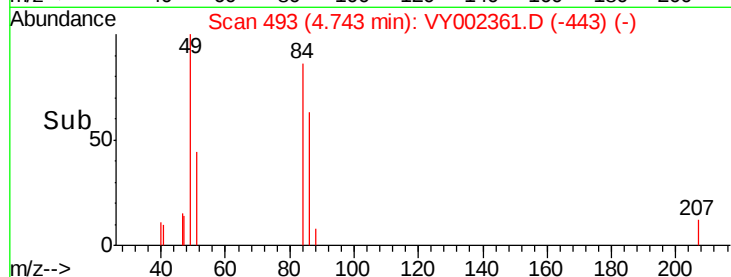
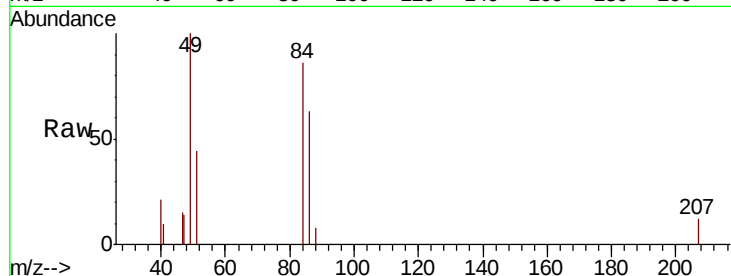




#20
Methvlene Chloride
Concen: 1.004 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

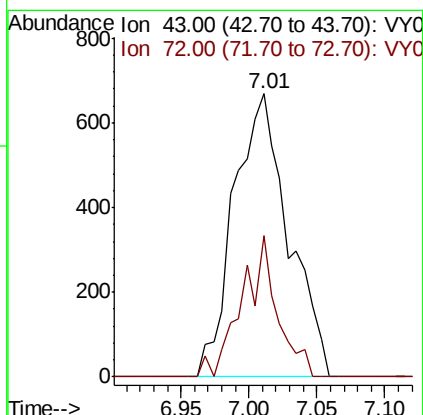
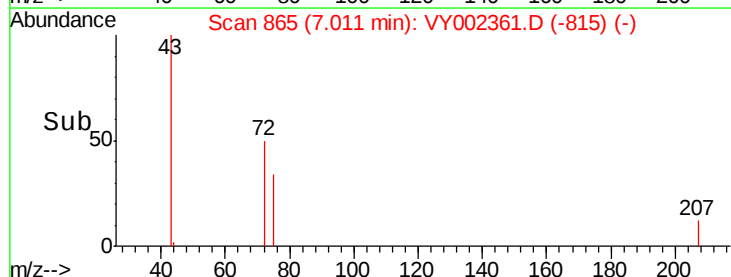
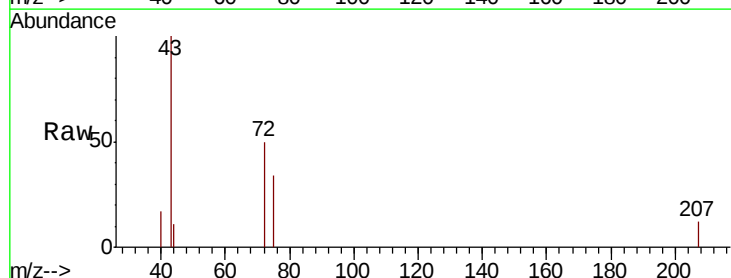
Instrument :
MSVOA_Y
ClientSampled :

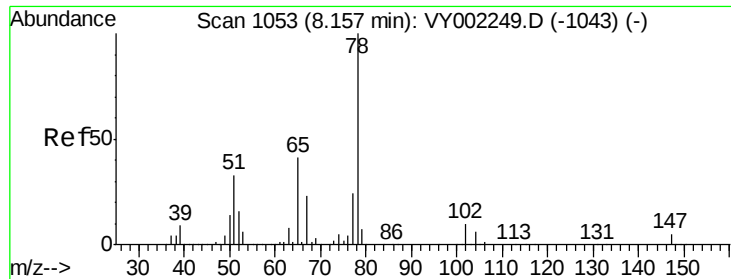
Tot Ion: 84 Resp: 2138
Ion Ratio Lower Upper
84 100
49 116.9 95.5 143.3
51 51.6 29.5 44.3#
86 73.8 50.7 76.1



#25
2-Butanone
Concen: 2.734 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
72 49.9 23.2 34.8#





#33

1,2-Dichloroethane-d4

Concen: 43.960 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

Instrument :

MSVOA_Y

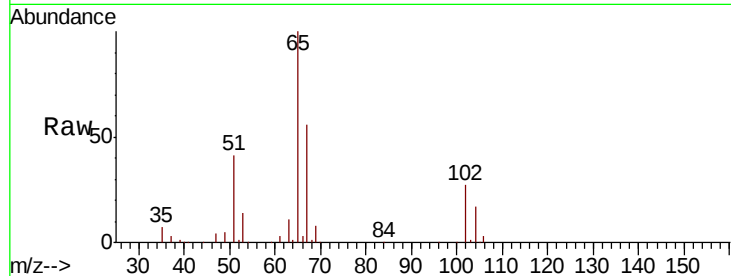
ClientSampleId :

Tot Ion: 65 Resp: 72302

Ion Ratio Lower Upper

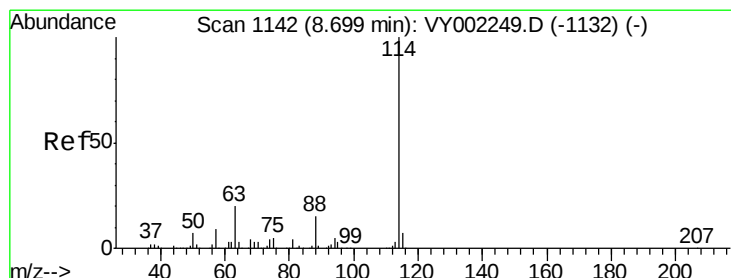
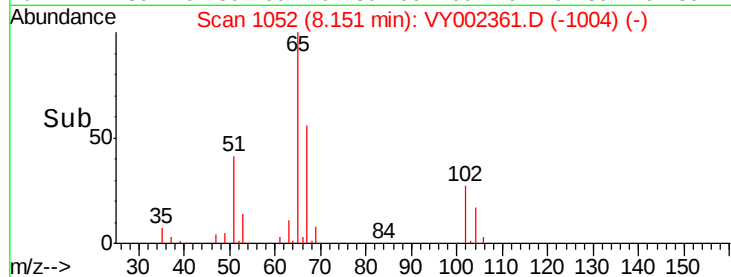
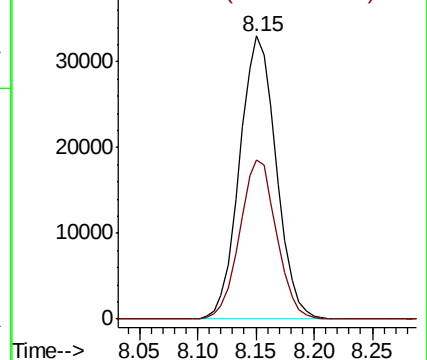
65 100

67 56.7 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: VY002361.D

Acq: 16 Apr 2020 13:03

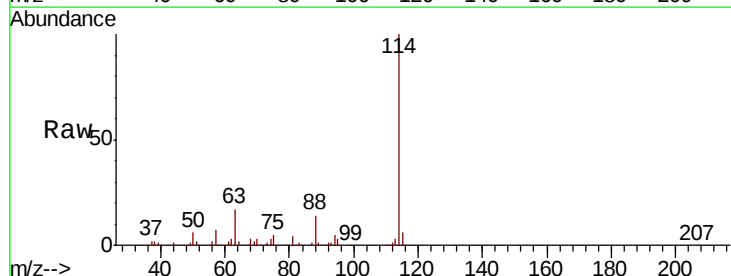
Tgt Ion: 114 Resp: 280876

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.0

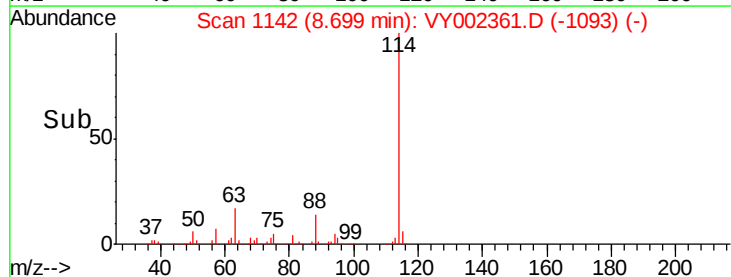
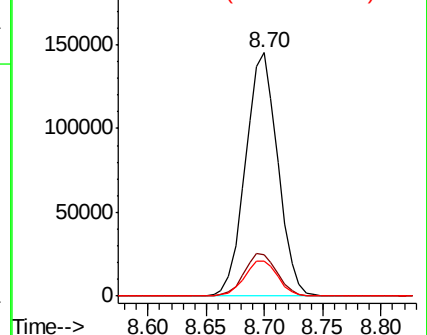
88 14.2 0.0 31.0

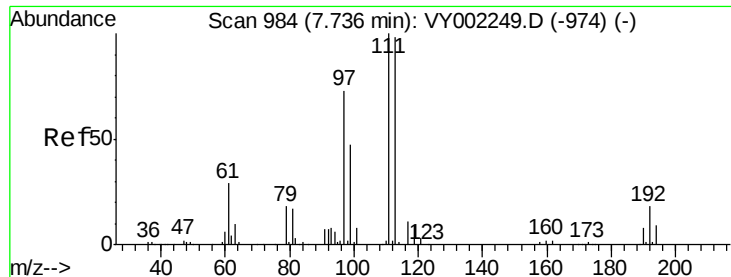


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 47.341 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

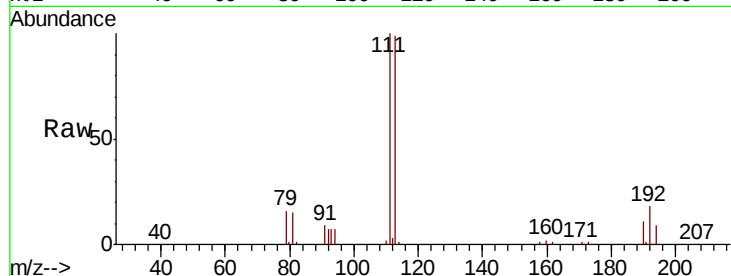
Tot Ion:113 Resp: 79122

Ion Ratio Lower Upper

113 100

111 103.5 83.5 125.3

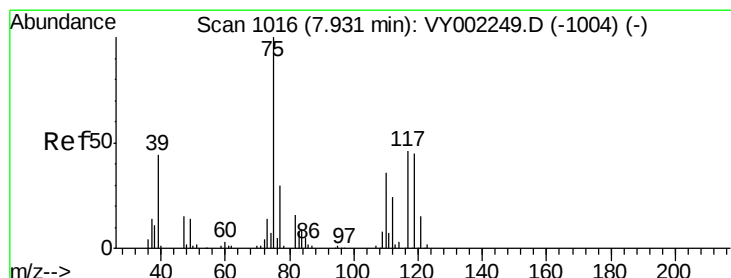
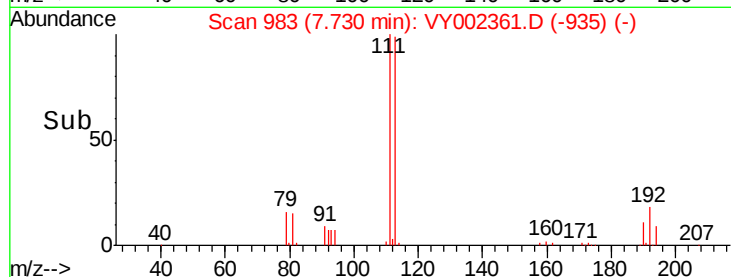
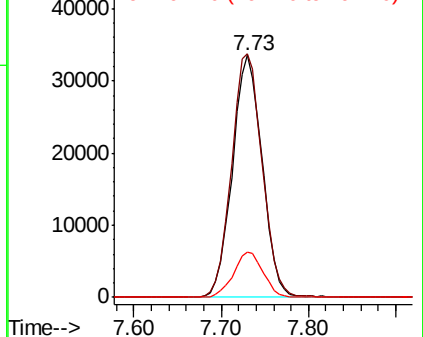
192 18.7 14.7 22.1



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: 3.898 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

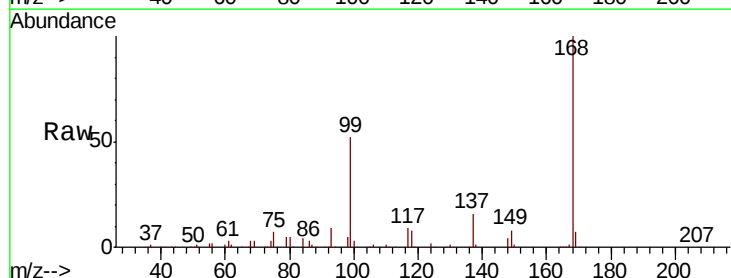
Tgt Ion: 75 Resp: 10783

Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.3#

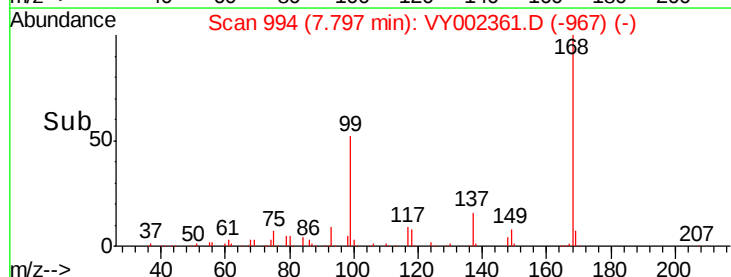
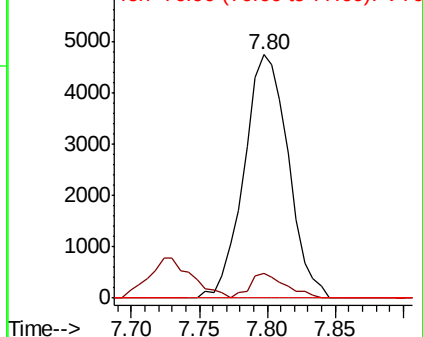
77 0.0 24.4 36.6#

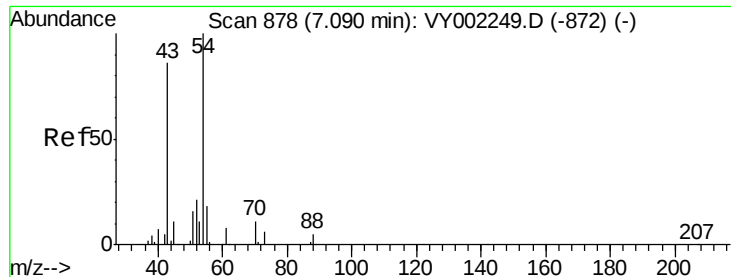


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

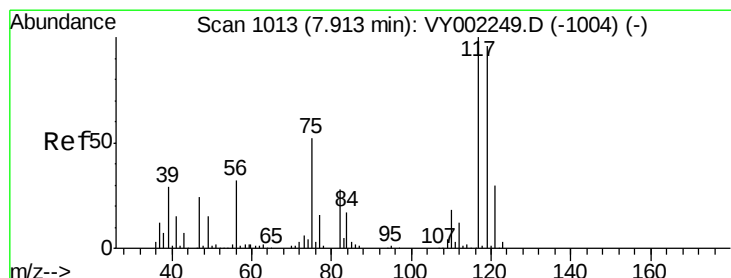
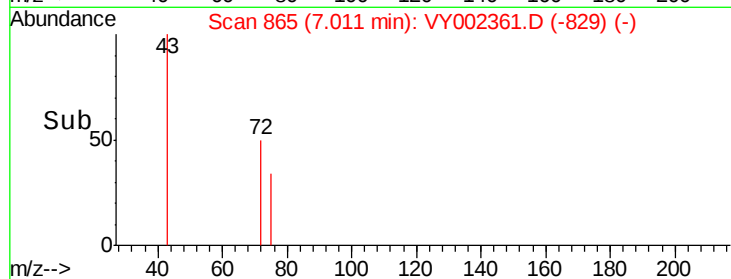
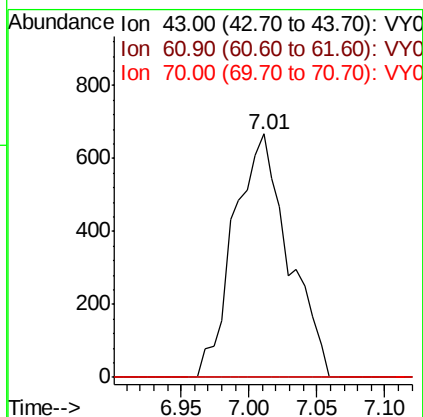
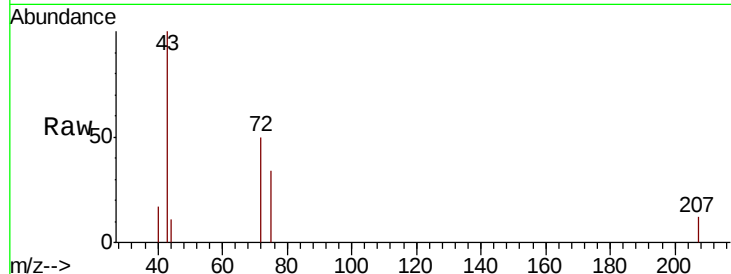




#37
Ethyl Acetate
Concen: 1.186 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

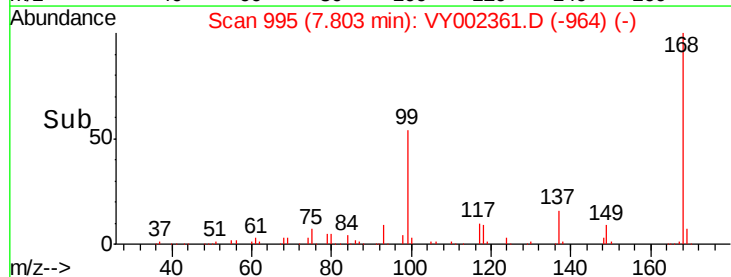
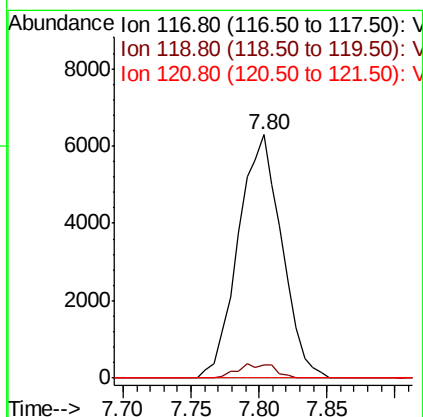
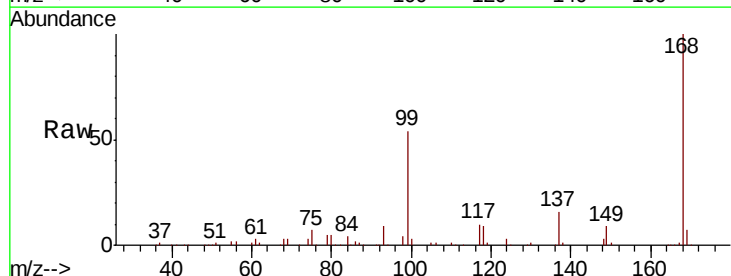
Instrument :
MSVOA_Y
ClientSampleId :

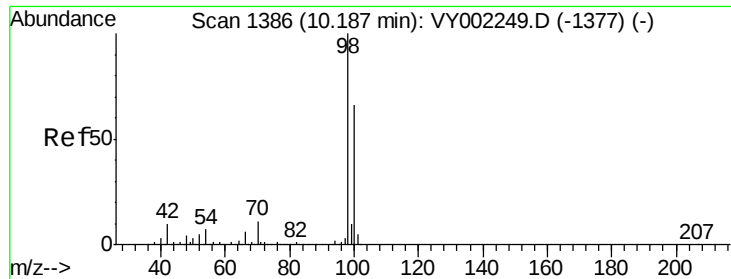
Tot Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.941 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

Tgt Ion: 117 Resp: 14059
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 47.236 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

Instrument :

MSVOA_Y

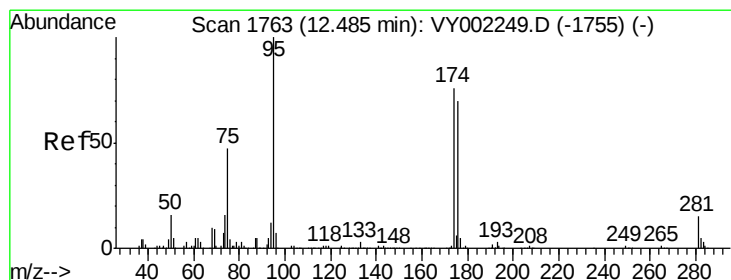
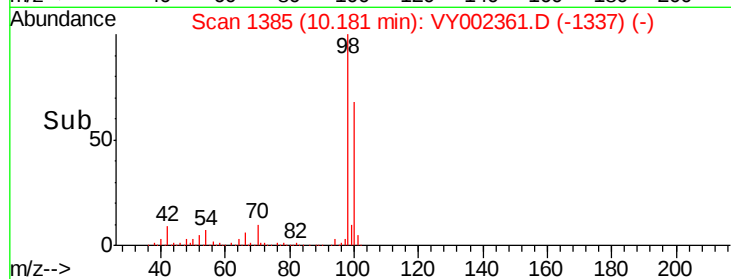
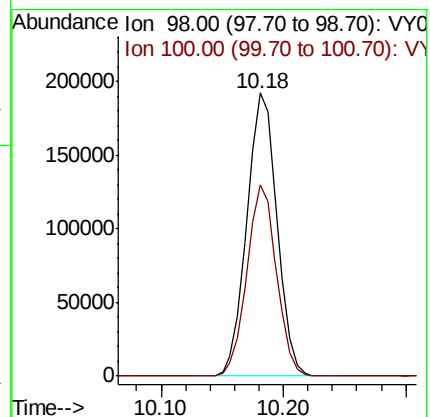
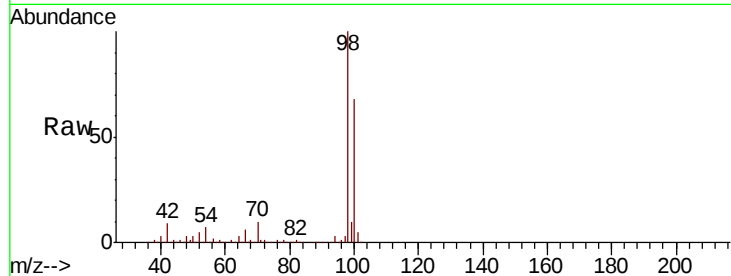
ClientSampleId :

Tot Ion: 98 Resp: 330433

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 40.296 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

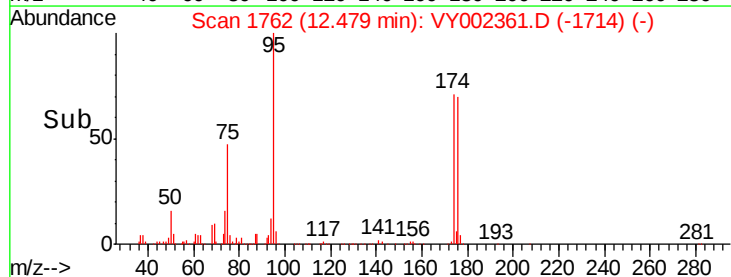
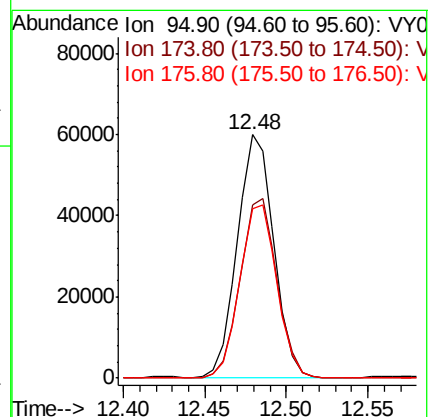
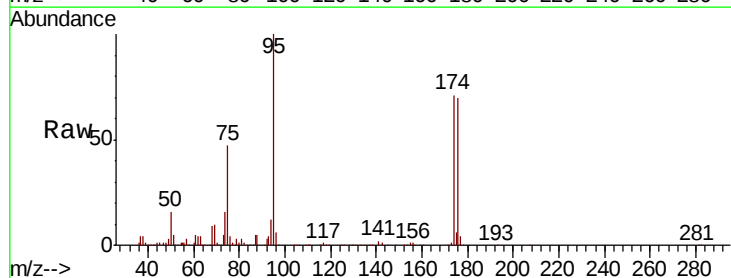
Tgt Ion: 95 Resp: 92999

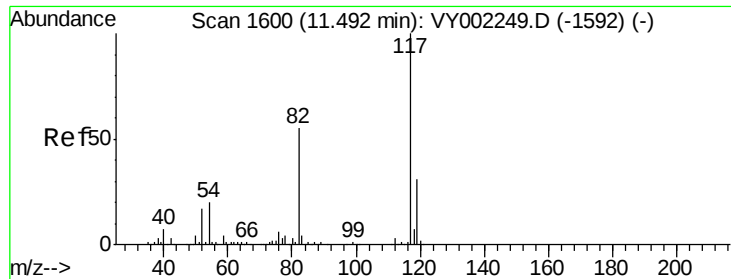
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.6

176 72.6 0.0 141.4

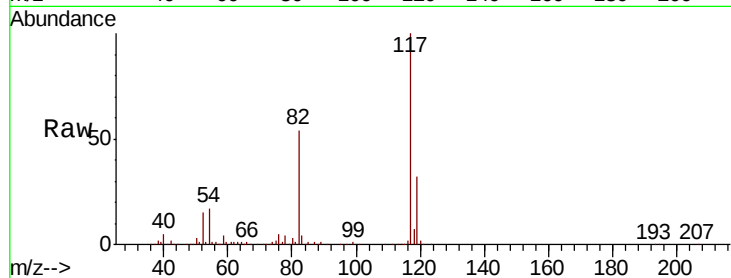




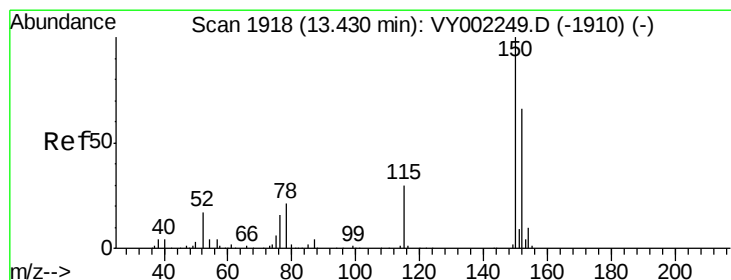
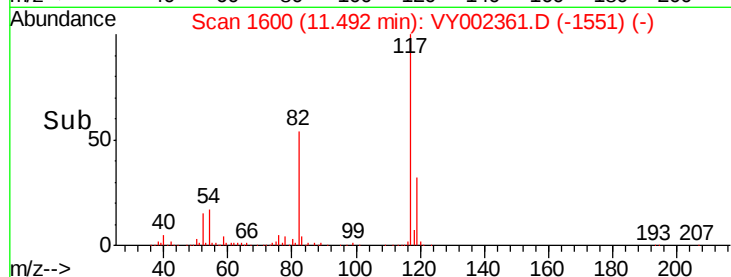
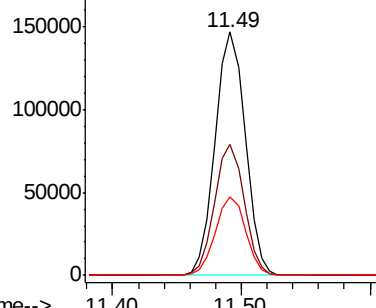
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 237700
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.4
119 32.3 25.1 37.7

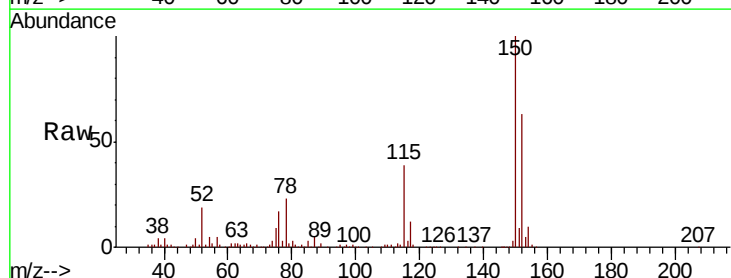


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

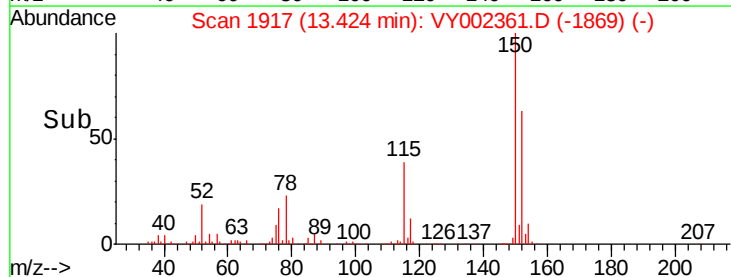
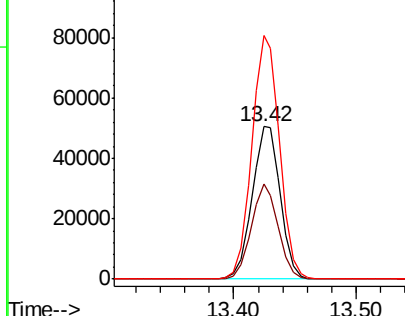


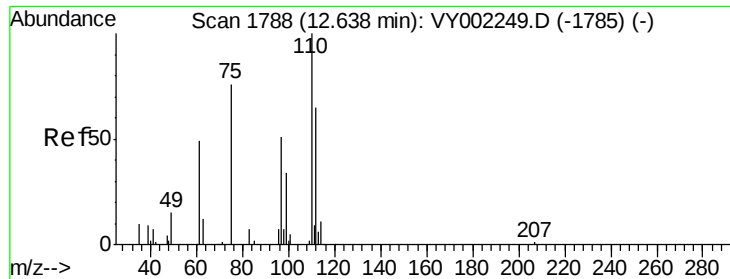
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002361.D
Acq: 16 Apr 2020 13:03

Tgt Ion:152 Resp: 80591
Ion Ratio Lower Upper
152 100
115 59.2 30.7 92.1
150 156.7 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

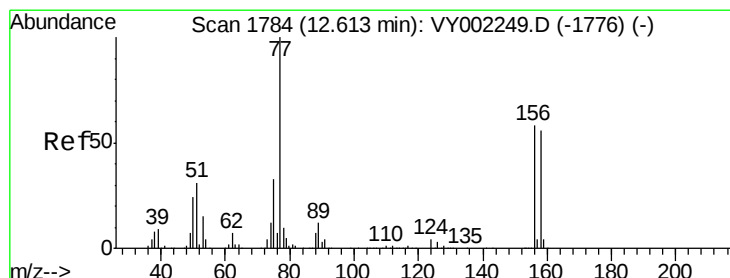
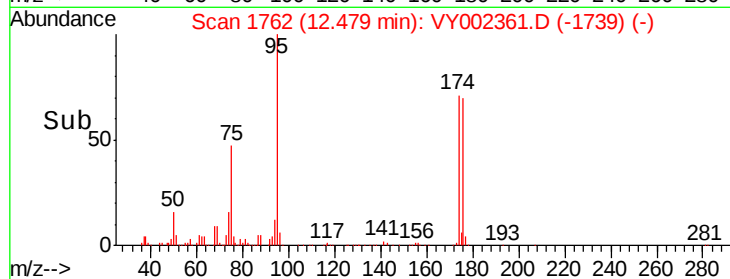
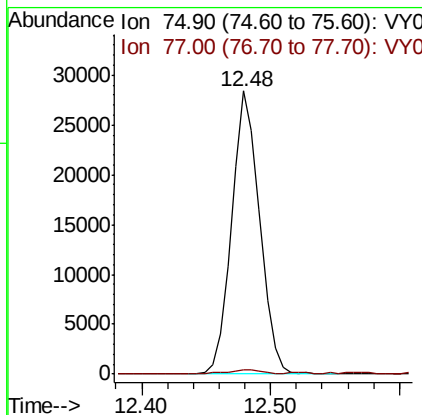
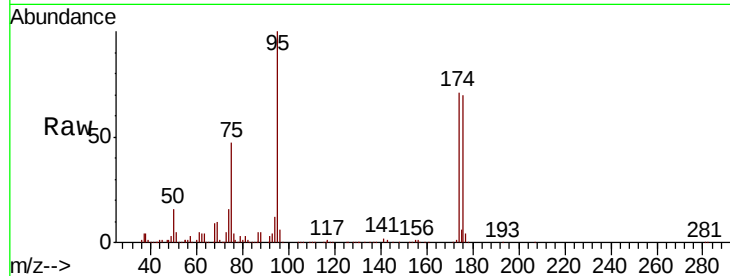




#76
 1,2,3-Trichloropropane
 Concen: 45.805 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002361.D
 Acq: 16 Apr 2020 13:03

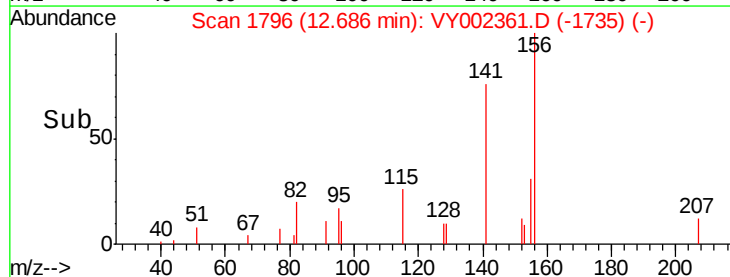
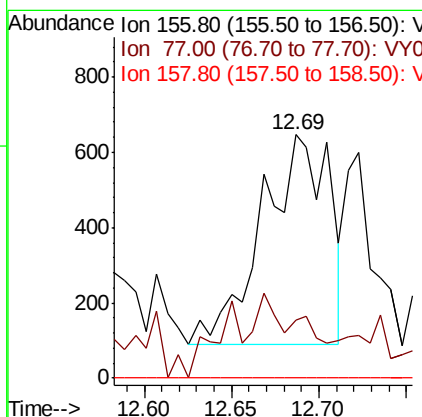
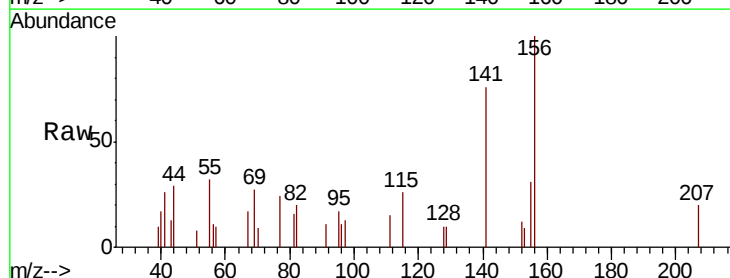
Instrument :
 MSVOA_Y
 ClientSampleId :

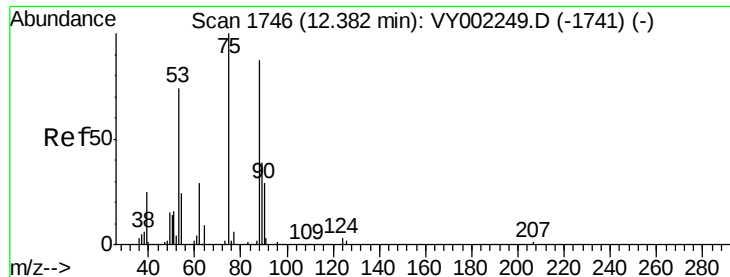
Tot Ion: 75 Resp: 42866
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#



#77
 Bromobenzene
 Concen: 1.071 ug/l
 RT: 12.69 min Scan# 1796
 Delta R.T. 0.07 min
 Lab File: VY002361.D
 Acq: 16 Apr 2020 13:03

Tgt Ion: 156 Resp: 1492
 Ion Ratio Lower Upper
 156 100
 77 6.8 101.3 303.9#
 158 0.0 48.3 144.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 89.090 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002361.D

Acq: 16 Apr 2020 13:03

Instrument :

MSVOA_Y

ClientSampleId :

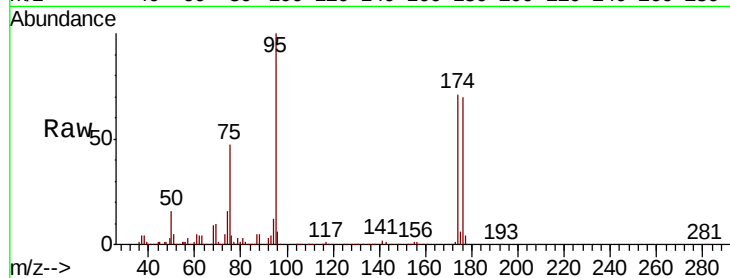
Tot Ion: 75 Resp: 42866

Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

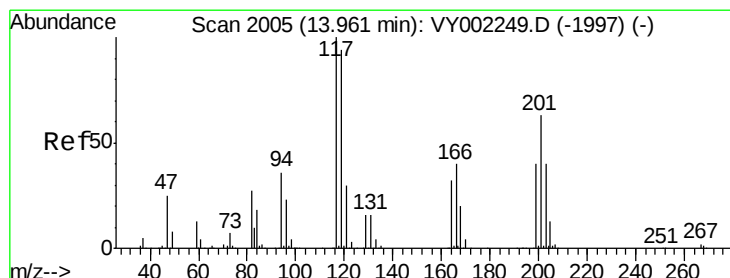
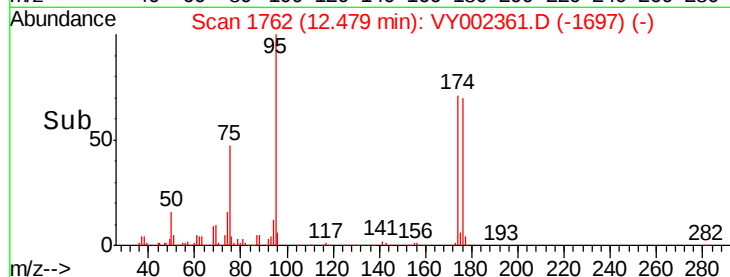
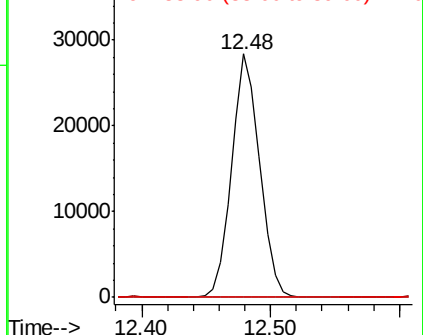
89 0.0 37.0 55.6#



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



#90

Hexachloroethane

Concen: 1.746 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002361.D

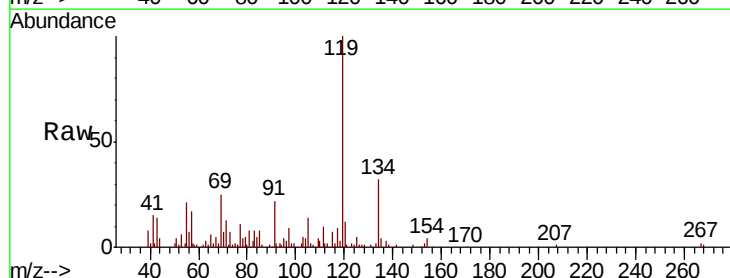
Acq: 16 Apr 2020 13:03

Tgt Ion: 117 Resp: 1871

Ion Ratio Lower Upper

117 100

201 0.0 33.1 99.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

