

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040920\
 Data File : VY002267.D
 Acq On : 09 Apr 2020 11:59
 Operator : SY/MD
 Sample : L2205-01
 Misc : 8.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-02-04082020-A

Quant Time: Apr 10 04:28:03 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	7.81	168	108493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	205064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	169283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	62158	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	57490	47.65	ug/l	0.00
Spiked Amount						
			Recovery	=	95.30%	
35) Dibromofluoromethane	7.74	113	58489	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=	95.86%	
50) Toluene-d8	10.19	98	239714	46.94	ug/l	0.00
Spiked Amount						
			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	12.49	95	72639	43.11	ug/l	0.00
Spiked Amount						
			Recovery	=	86.22%	

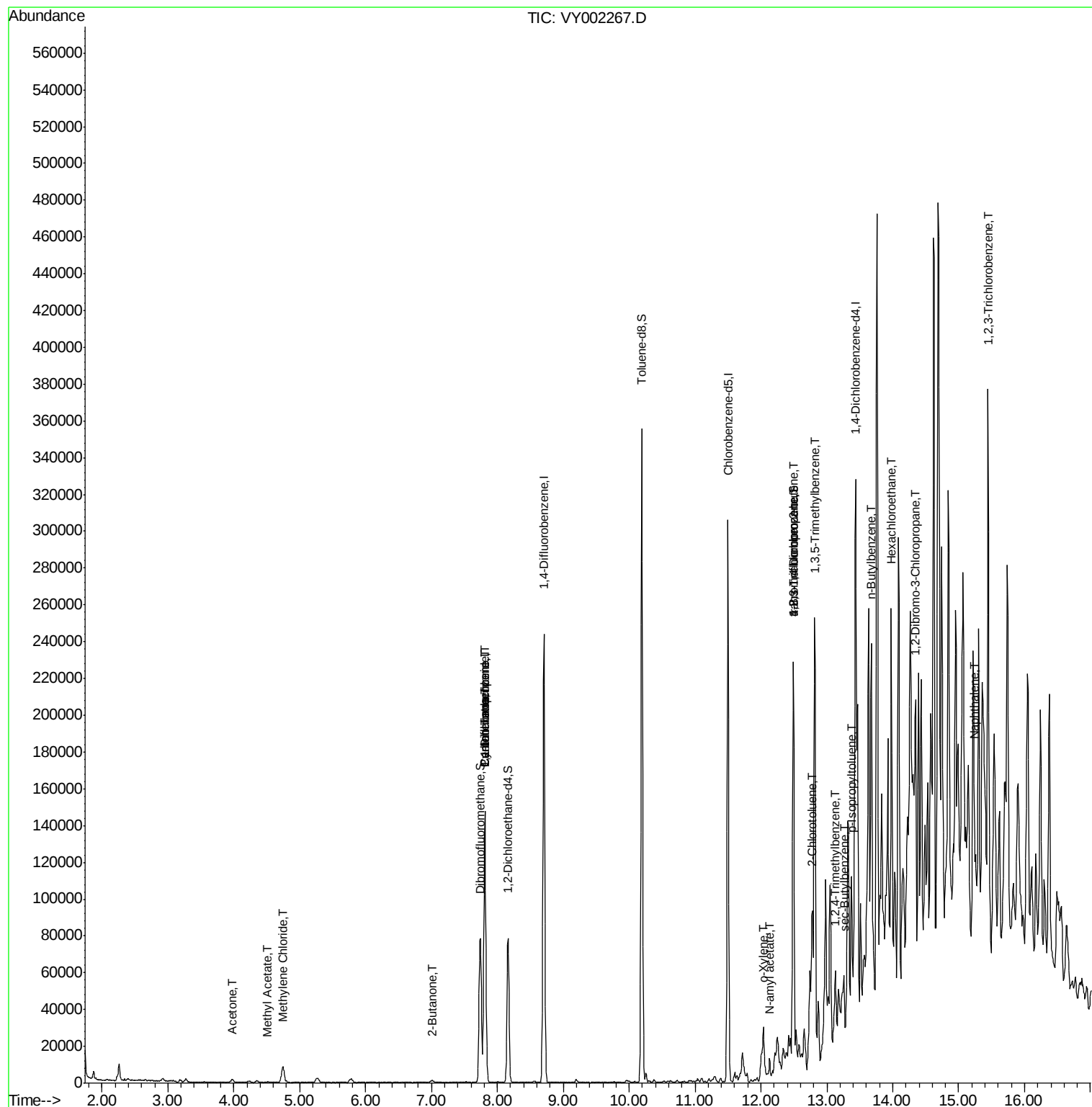
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3140	9.881	ug/l	90
18) Methyl Acetate	4.50	43	1003	1.018	ug/l #	63
20) Methylene Chloride	4.75	84	6119	3.918	ug/l	93
25) 2-Butanone	7.02	43	838	1.666	ug/l #	80
31) Cyclohexane	7.81	56	2666	1.049	ug/l #	10
36) 1,1-Dichloropropene	7.81	75	9351	4.630	ug/l #	49
38) Carbon Tetrachloride	7.81	117	11185	6.474	ug/l #	16
69) o-Xylene	12.04	106	6295	2.779	ug/l	99
74) N-amyl acetate	12.13	43	2785	2.009	ug/l #	52
76) 1,2,3-Trichloropropane	12.49	75	36686	50.826	ug/l #	100
79) 2-Chlorotoluene	12.77	91	4244	1.286	ug/l #	48
80) 1,3,5-Trimethylbenzene	12.82	105	43689	10.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	36686	98.857	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	16823	4.172	ug/l	97
85) sec-Butylbenzene	13.26	105	8191	1.625	ug/l	90
86) p-Isopropyltoluene	13.38	119	17759	4.095	ug/l	98
89) n-Butylbenzene	13.67	91	11161	2.511	ug/l #	1
90) Hexachloroethane	13.98	117	7957	9.628	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.34	75	706	4.941	ug/l #	1
95) Naphthalene	15.24	128	7353	2.716	ug/l #	64
96) 1,2,3-Trichlorobenzene	15.44	180	1522	1.417	ug/l #	1

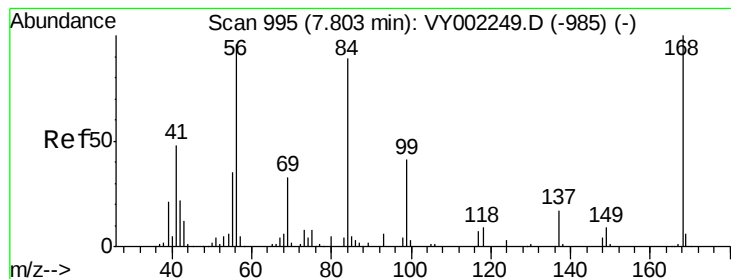
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

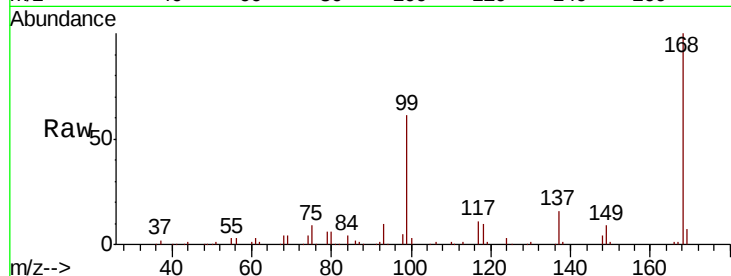
JC-02-04082020-A

Tot Ion:168 Resp: 108493

Ion Ratio Lower Upper

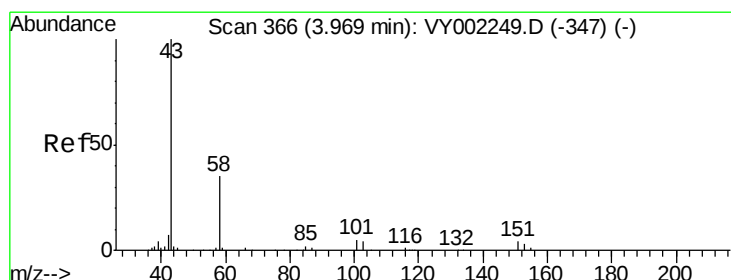
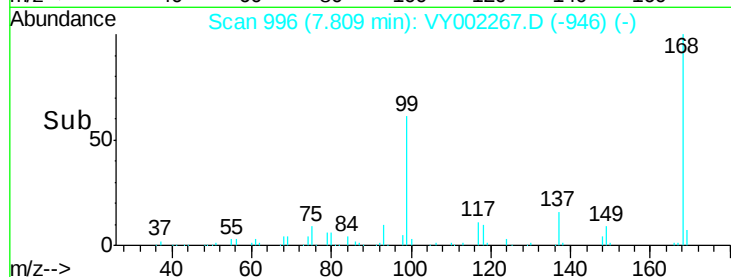
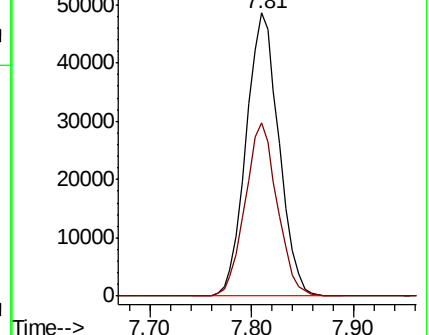
168 100

99 61.3 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: 9.881 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002267.D

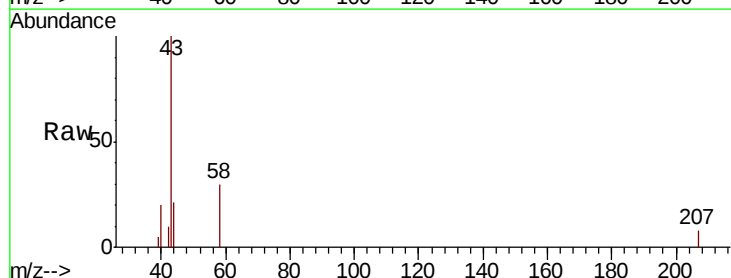
Acq: 09 Apr 2020 11:59

Tgt Ion: 43 Resp: 3140

Ion Ratio Lower Upper

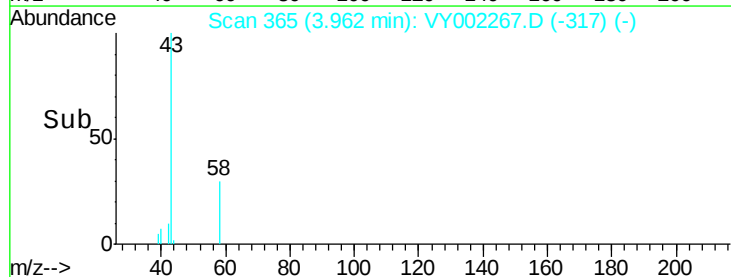
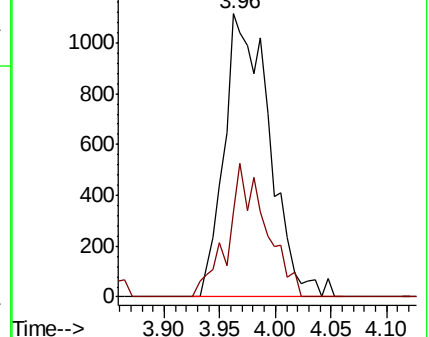
43 100

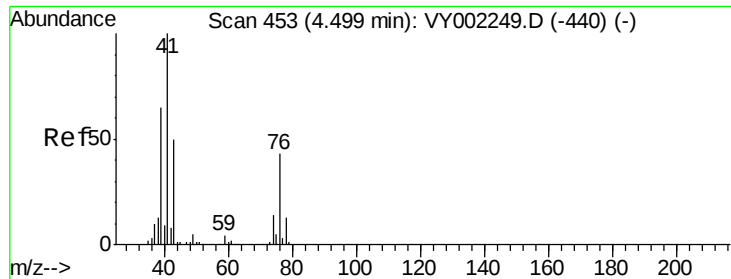
58 30.0 28.5 42.7



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

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

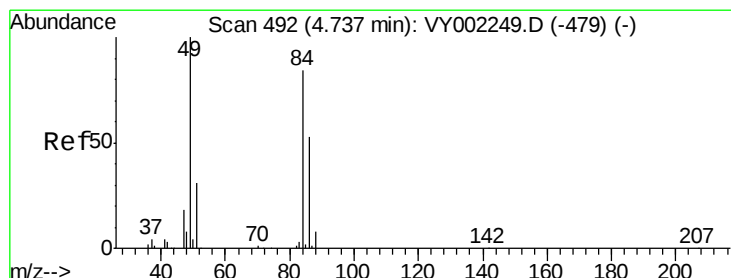
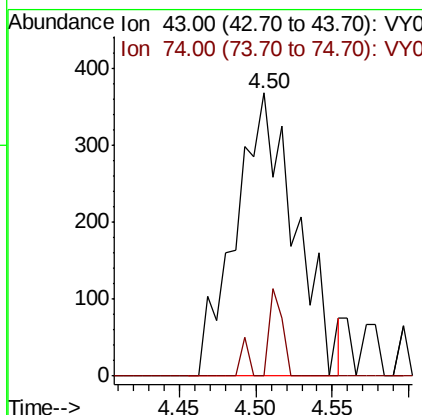
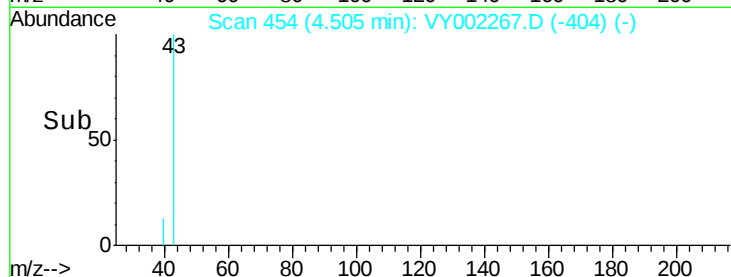
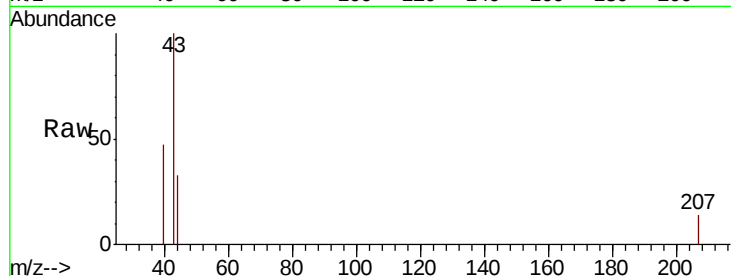




#18
Methyl Acetate
Concen: 1.018 ug/l
RT: 4.50 min Scan# 454
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

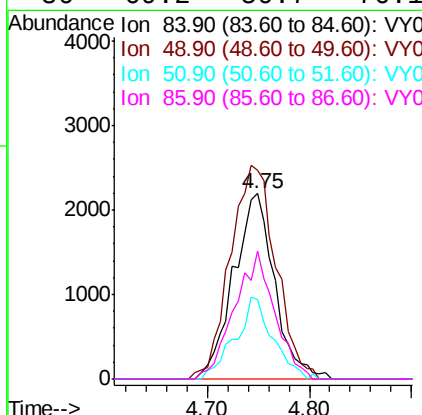
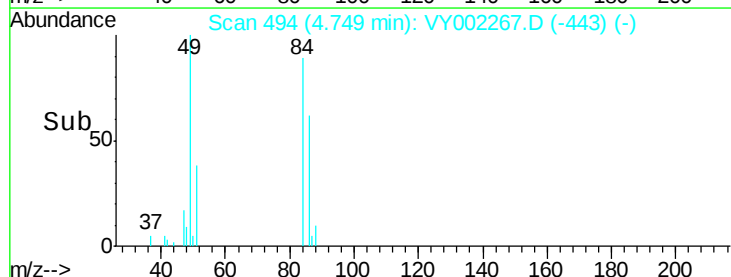
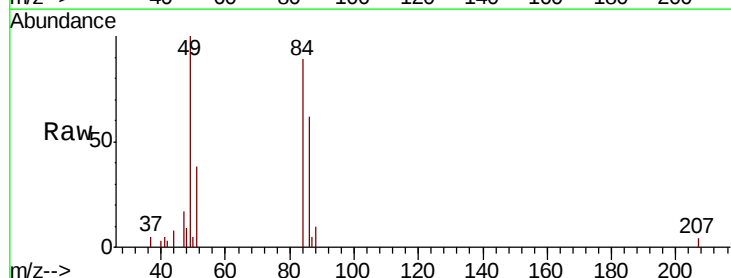
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-A

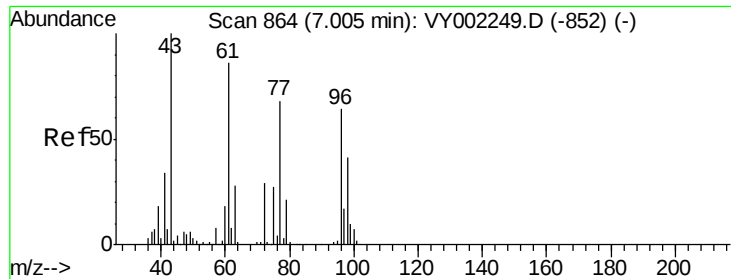
Tot Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
74 6.9 20.3 30.5#



#20
Methylene Chloride
Concen: 3.918 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Tgt Ion: 84 Resp: 6119
Ion Ratio Lower Upper
84 100
49 112.5 95.5 143.3
51 43.0 29.5 44.3
86 69.2 50.7 76.1

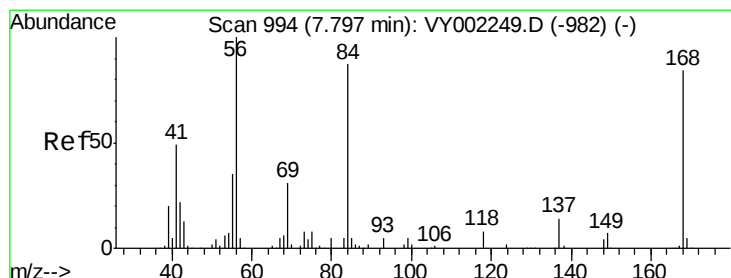
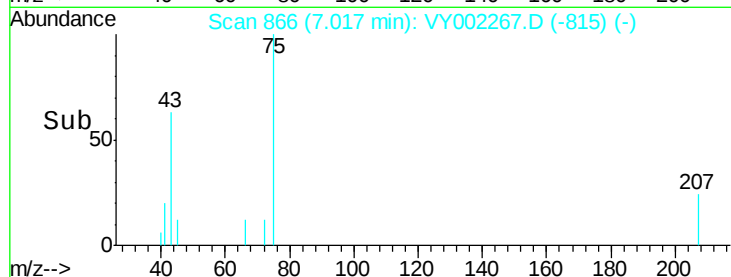
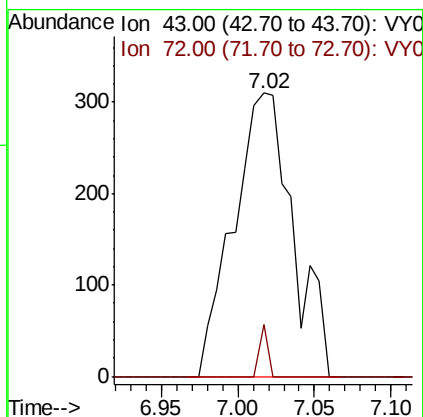
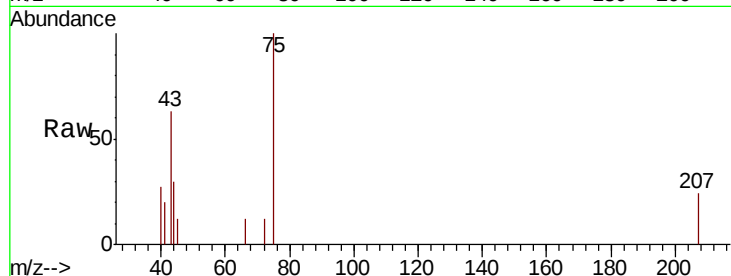




#25
2-Butanone
Concen: 1.666 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

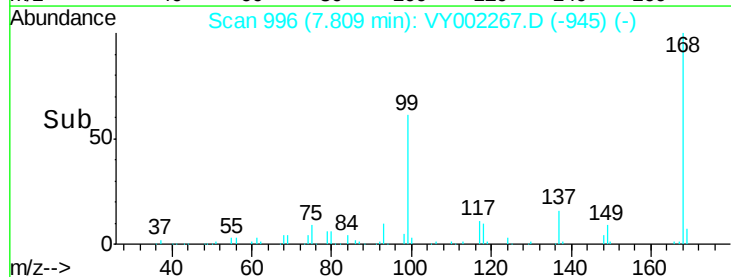
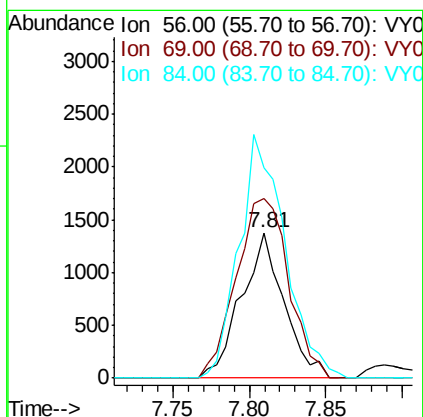
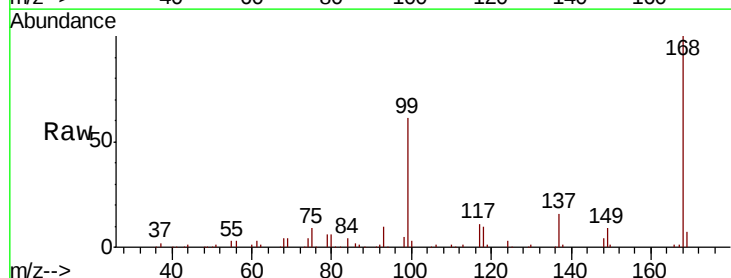
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-A

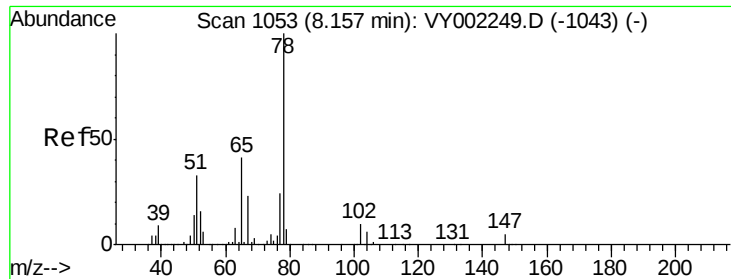
Tot Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 18.4 23.2 34.8#



#31
Cyclohexane
Concen: 1.049 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Tgt Ion: 56 Resp: 2666
Ion Ratio Lower Upper
56 100
69 123.4 25.0 37.6#
84 144.3 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 47.649 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

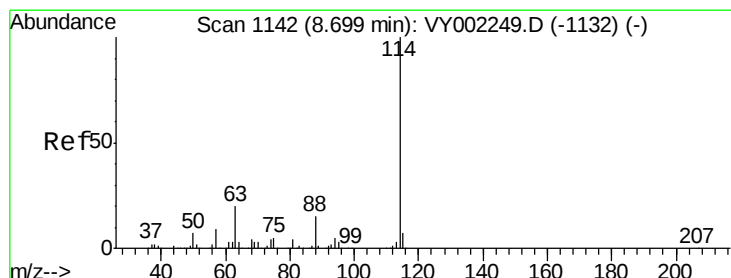
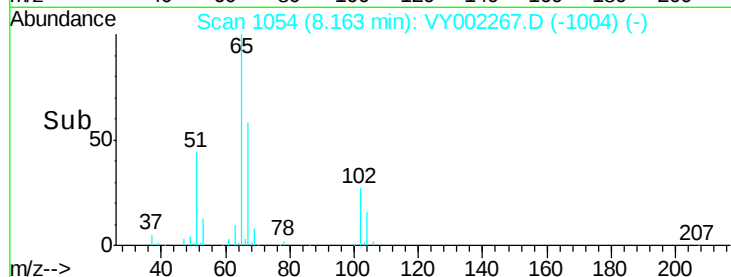
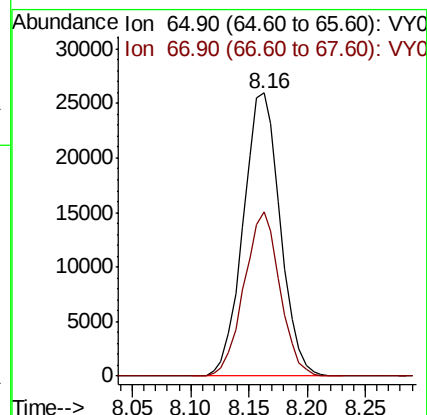
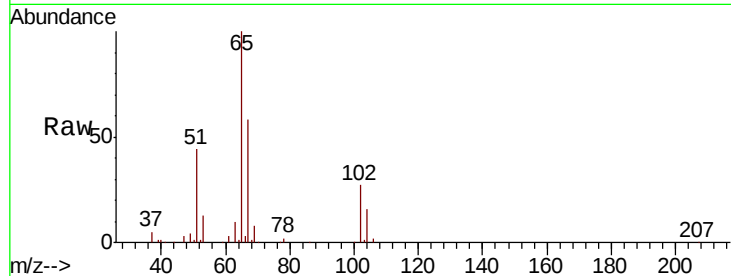
JC-02-04082020-A

Tot Ion: 65 Resp: 57490

Ion Ratio Lower Upper

65 100

67 56.0 0.0 114.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

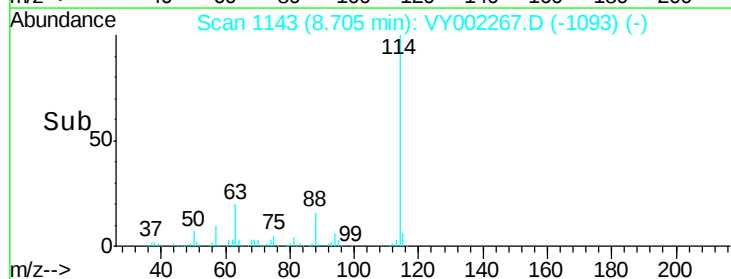
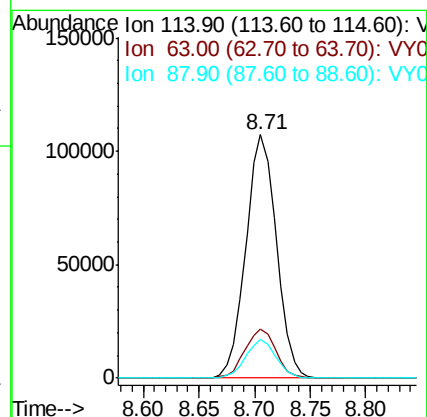
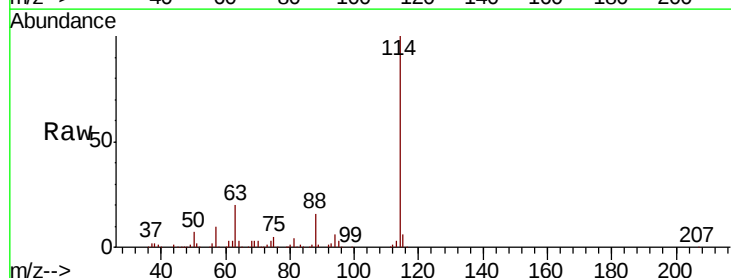
Tgt Ion: 114 Resp: 205064

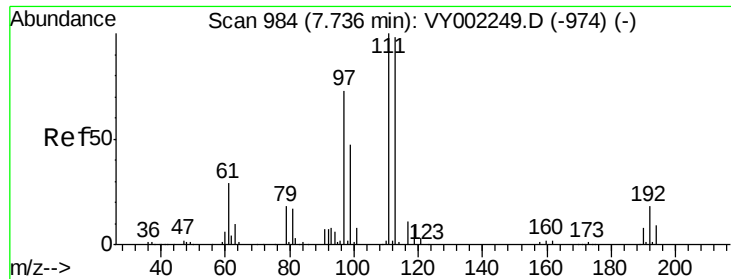
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

88 15.8 0.0 31.0

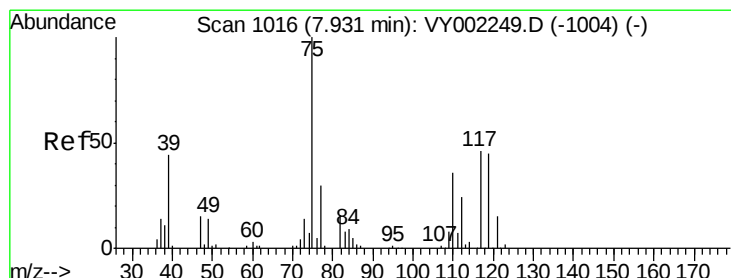
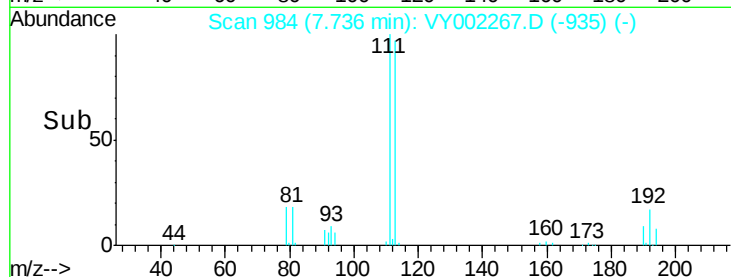
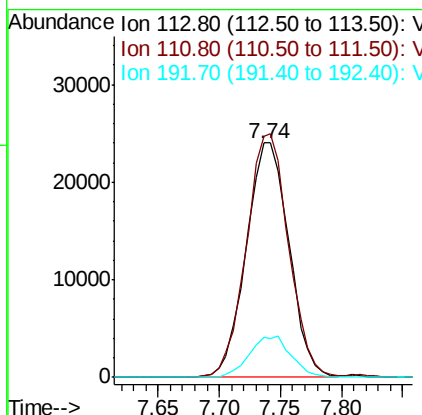
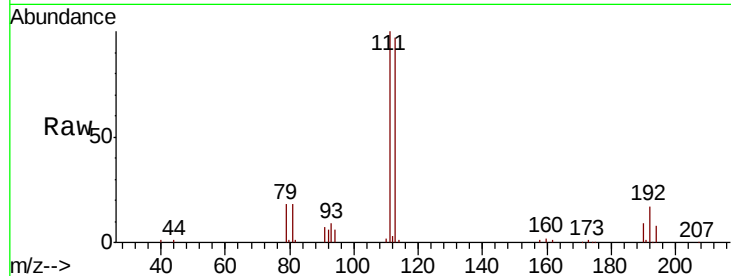




#35
 Dibromofluoromethane
 Concen: 47.934 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002267.D
 Acq: 09 Apr 2020 11:59

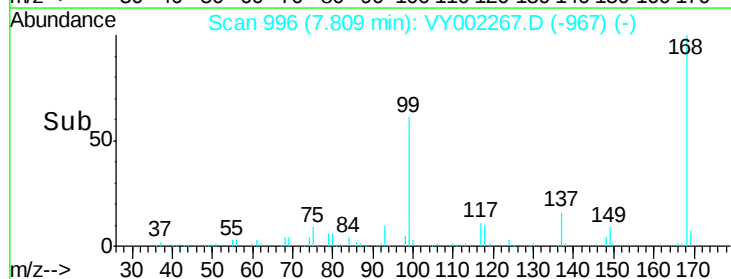
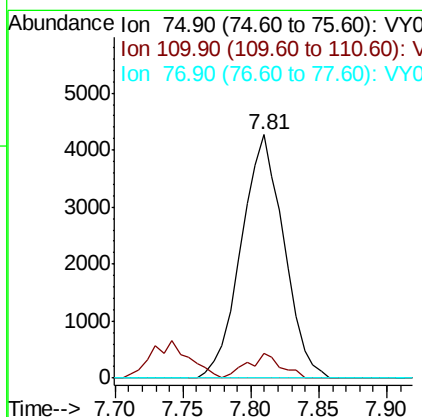
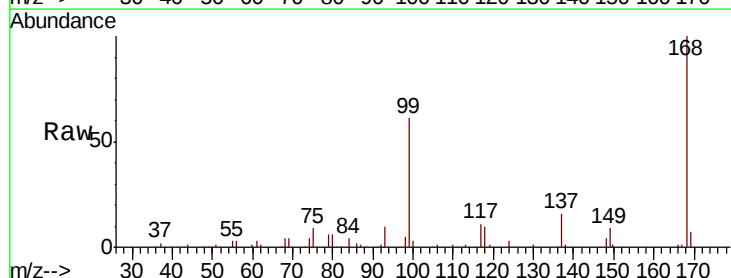
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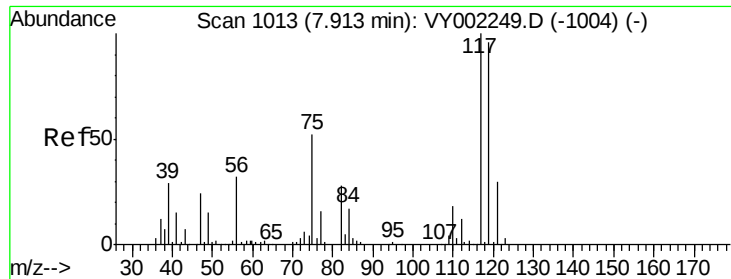
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.5	125.3
192	17.1	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002267.D
 Acq: 09 Apr 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.3#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 6.474 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

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ClientSampleId :

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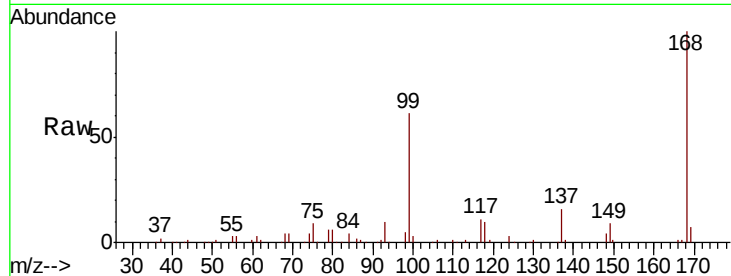
Tot Ion:117 Resp: 11185

Ion Ratio Lower Upper

117 100

119 5.4 77.1 115.7#

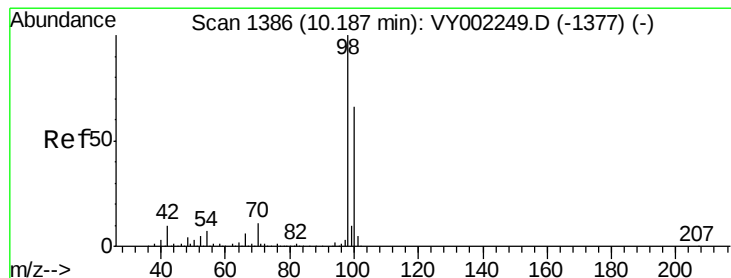
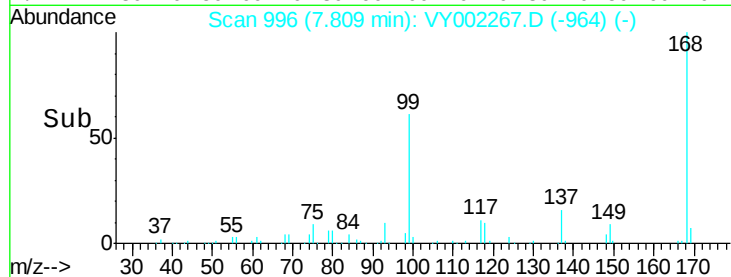
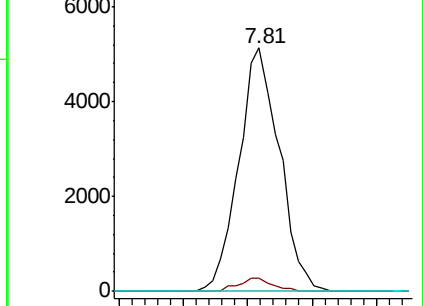
121 0.0 23.9 35.9#



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: 46.936 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002267.D

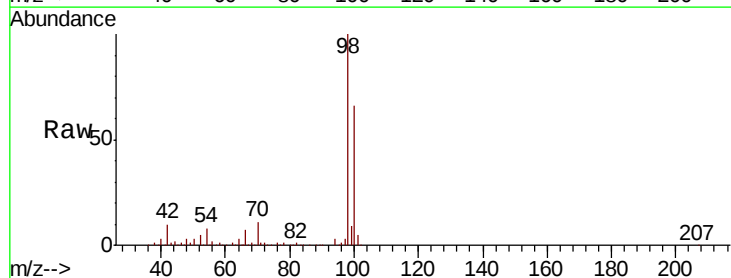
Acq: 09 Apr 2020 11:59

Tgt Ion: 98 Resp: 239714

Ion Ratio Lower Upper

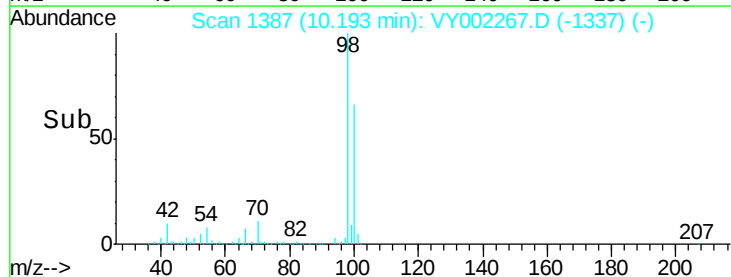
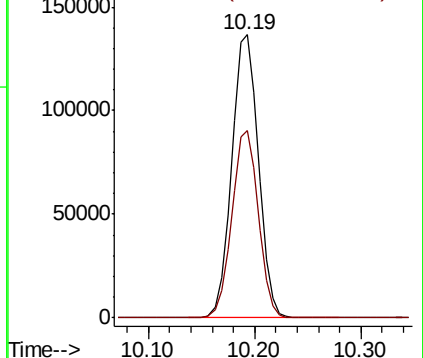
98 100

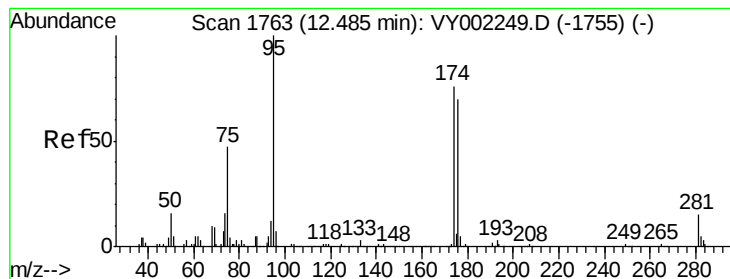
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 43.110 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

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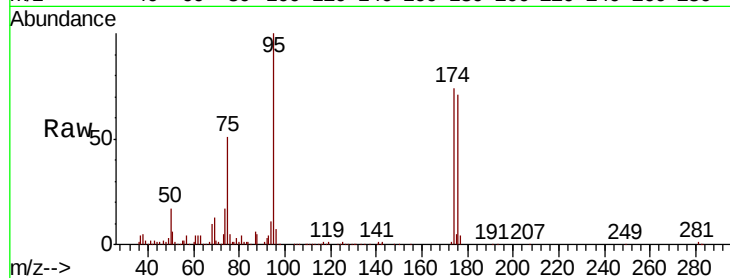
Tot Ion: 95 Resp: 72639

Ion Ratio Lower Upper

95 100

174 70.9 0.0 150.6

176 68.7 0.0 141.4



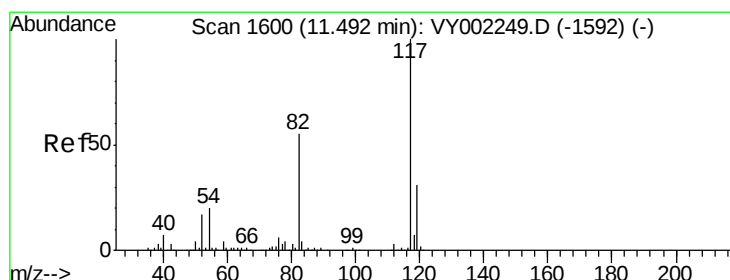
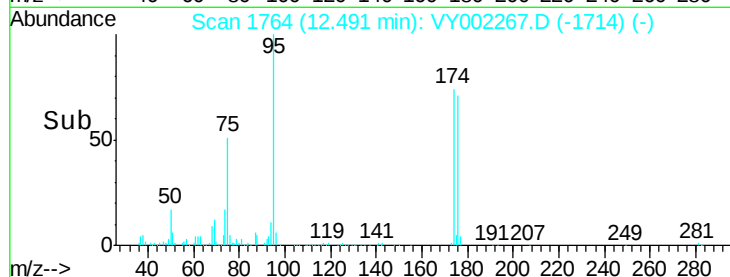
Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

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: VY002267.D

Acq: 09 Apr 2020 11:59

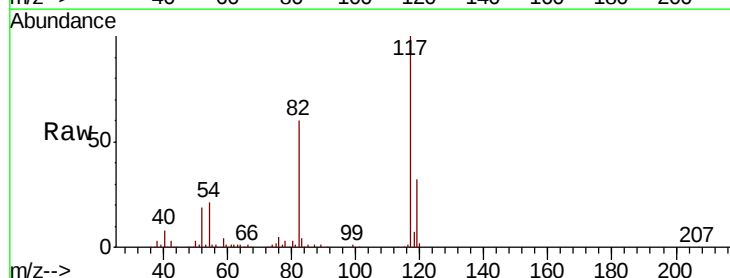
Tgt Ion: 117 Resp: 169283

Ion Ratio Lower Upper

117 100

82 60.1 44.2 66.4

119 32.0 25.1 37.7



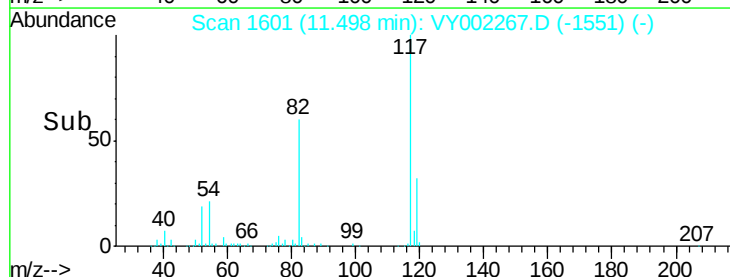
Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

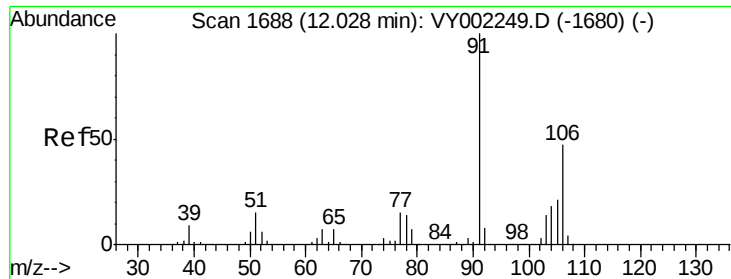
Ion 82.00 (81.70 to 82.70): VY002249.D (-1592) (-)

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

11.50

Time-->

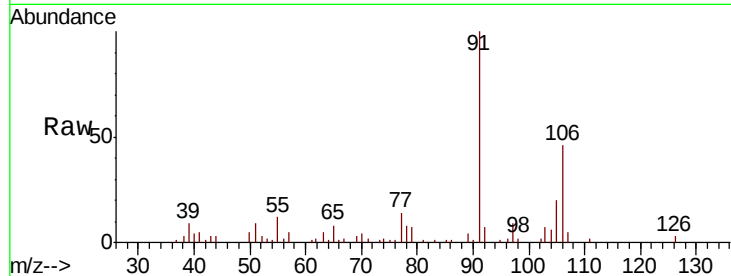




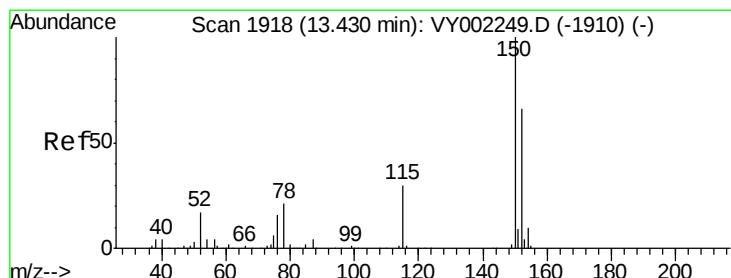
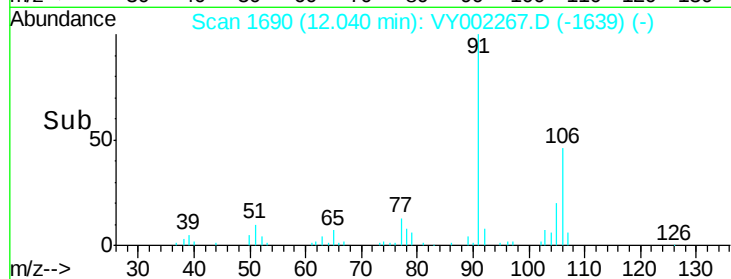
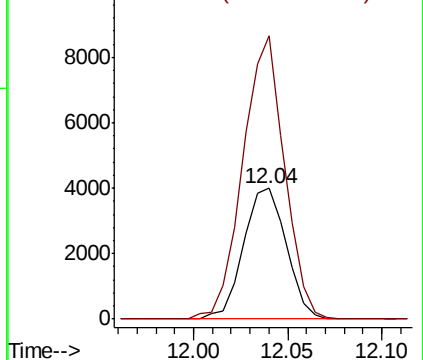
#69
o-Xylene
Concen: 2.779 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-A

Tot Ion:106 Resp: 6295
Ion Ratio Lower Upper
106 100
91 210.3 105.8 317.3

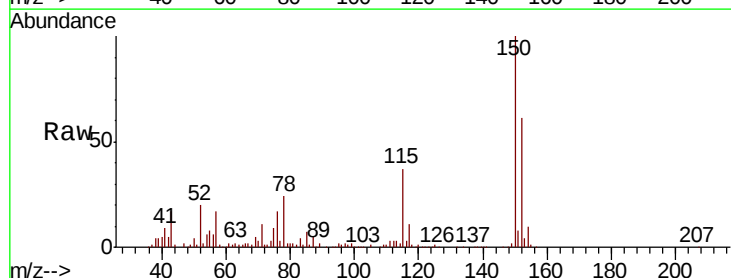


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

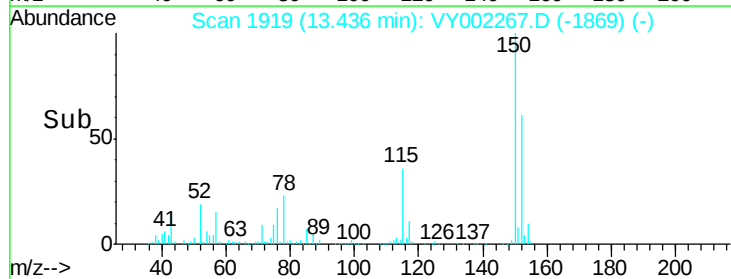
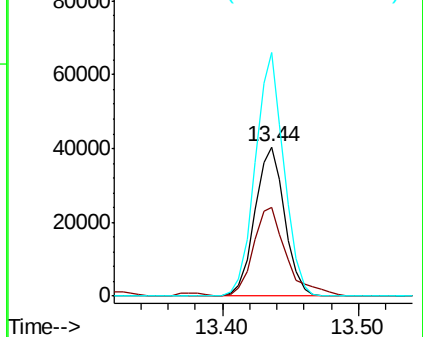


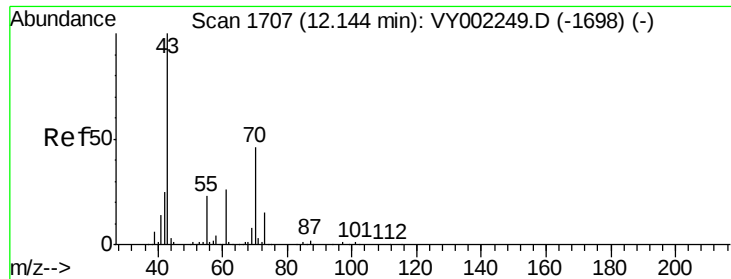
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Tgt Ion:152 Resp: 62158
Ion Ratio Lower Upper
152 100
115 65.7 30.7 92.1
150 156.5 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-amvl acetate

Concen: 2.009 ug/l

RT: 12.13 min Scan# 1705

Delta R.T. -0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-A

Tot Ion: 43 Resp: 2785

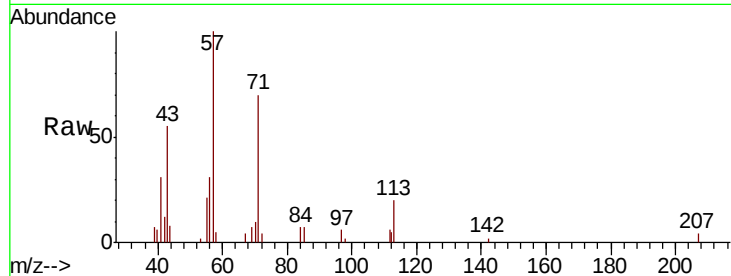
Ion Ratio Lower Upper

43 100

70 4.8 37.5 56.3#

55 16.3 19.0 28.6#

61 0.0 21.6 32.4#

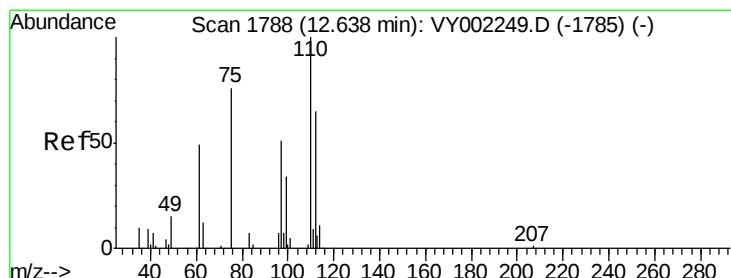
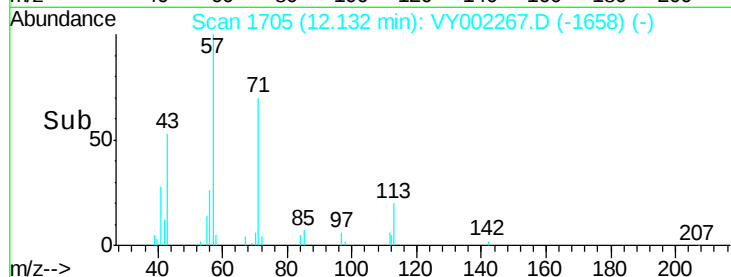
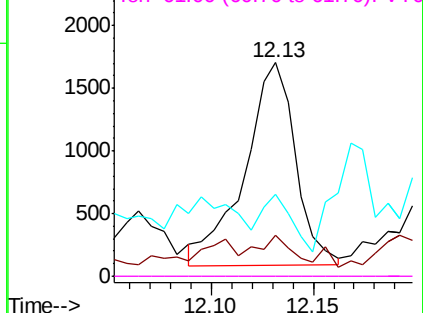


Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 50.826 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002267.D

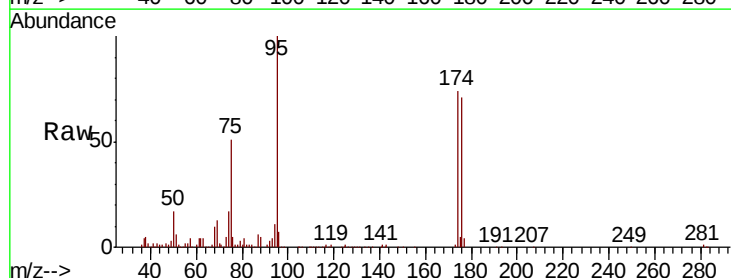
Acq: 09 Apr 2020 11:59

Tgt Ion: 75 Resp: 36686

Ion Ratio Lower Upper

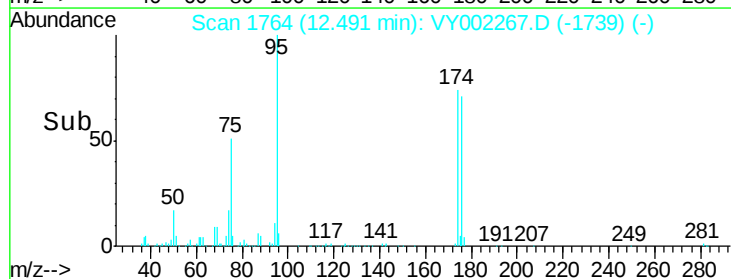
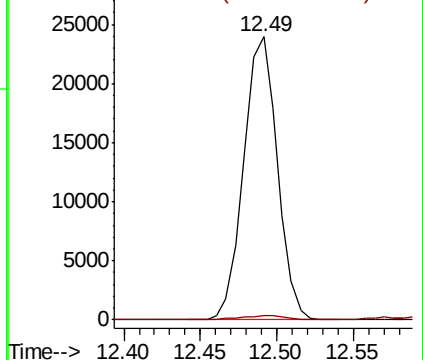
75 100

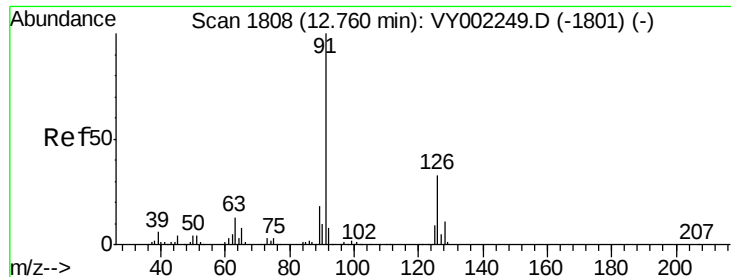
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

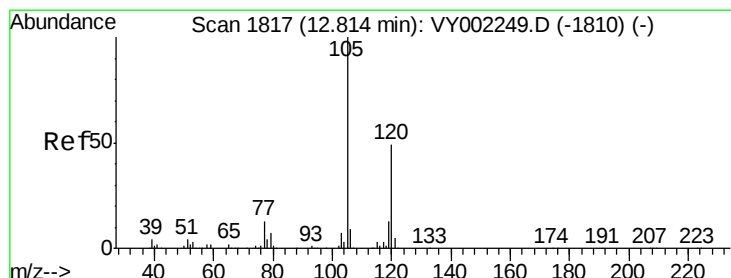
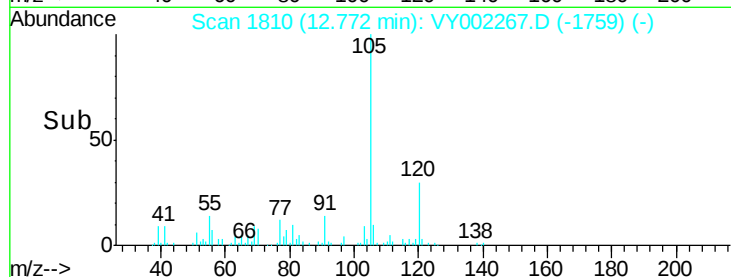
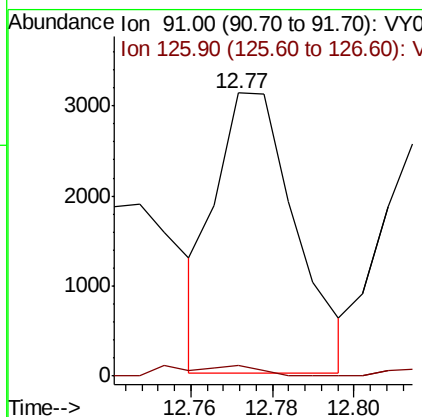
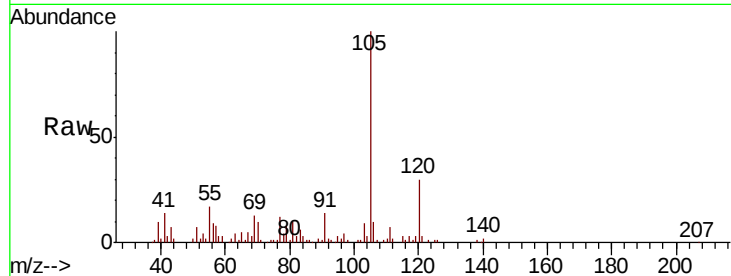




#79
2-Chlorotoluene
Concen: 1.286 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

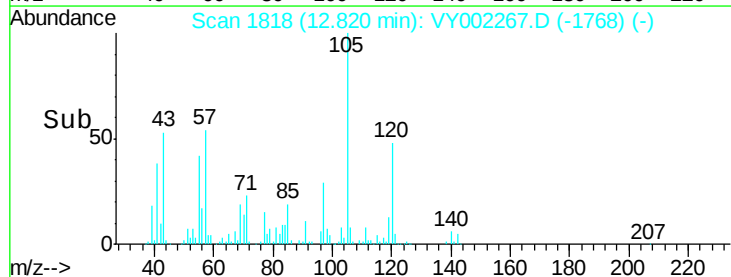
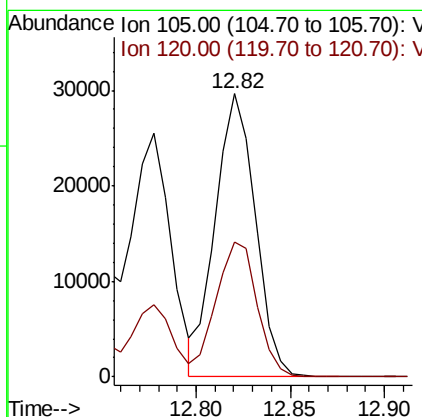
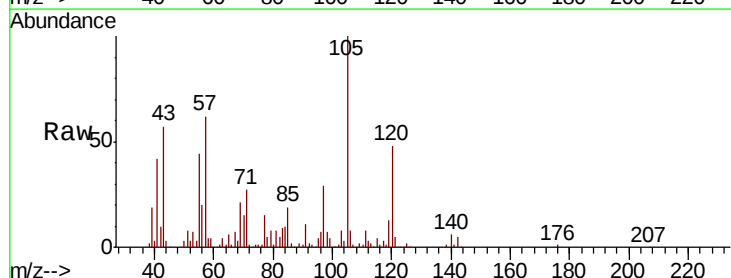
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-A

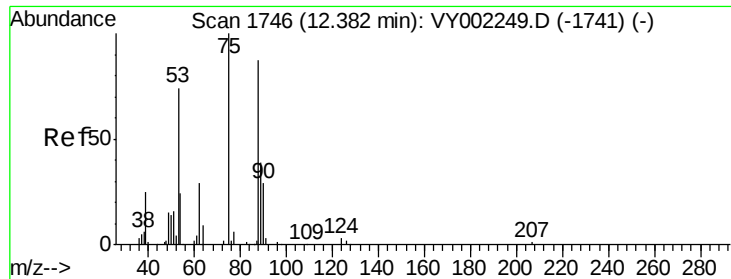
Tot Ion: 91 Resp: 4244
Ion Ratio Lower Upper
91 100
126 3.9 16.9 50.7#



#80
1,3,5-Trimethylbenzene
Concen: 10.818 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Tgt Ion: 105 Resp: 43689
Ion Ratio Lower Upper
105 100
120 48.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 98.857 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-A

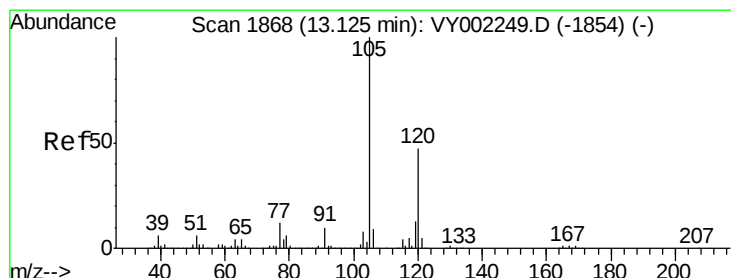
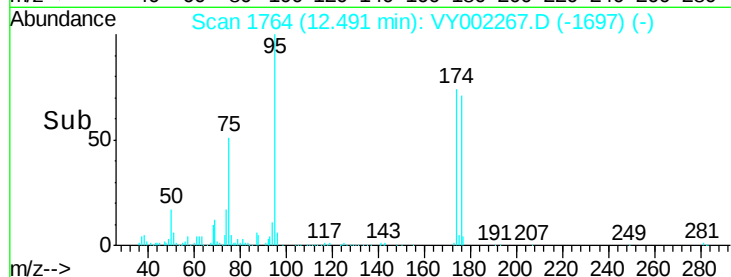
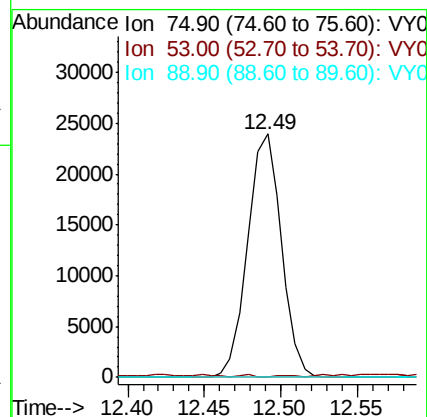
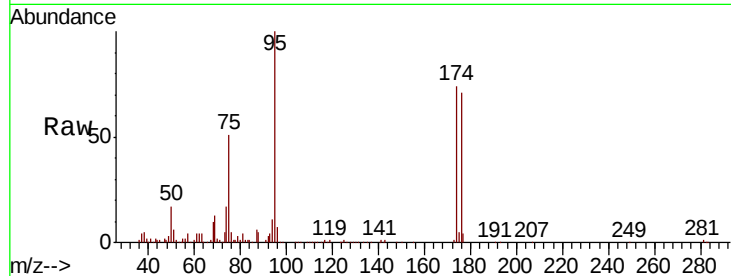
Tot Ion: 75 Resp: 36686

Ion Ratio Lower Upper

75 100

53 0.2 59.8 89.8#

89 0.1 37.0 55.6#



#84

1,2,4-Trimethylbenzene

Concen: 4.172 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002267.D

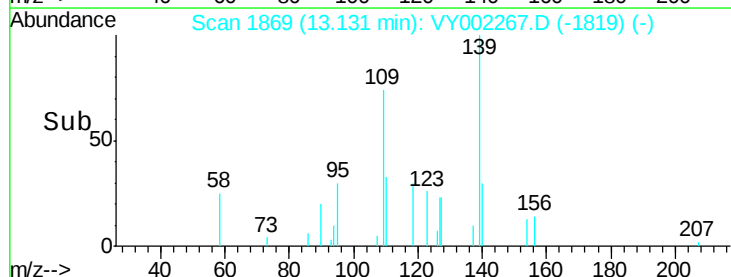
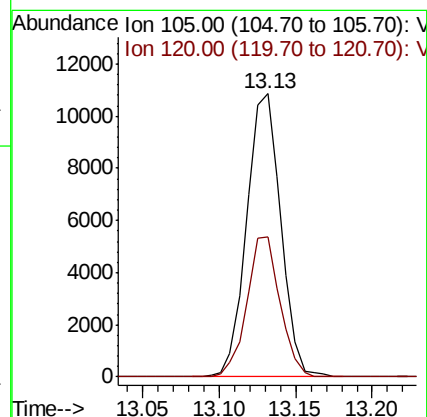
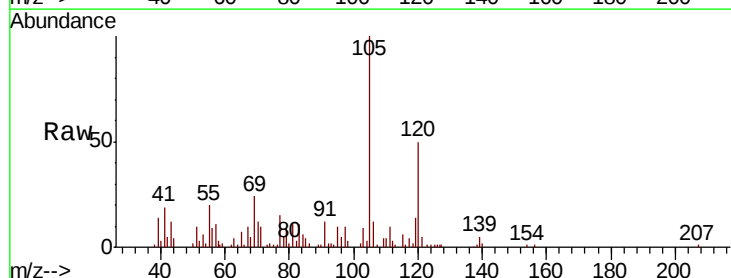
Acq: 09 Apr 2020 11:59

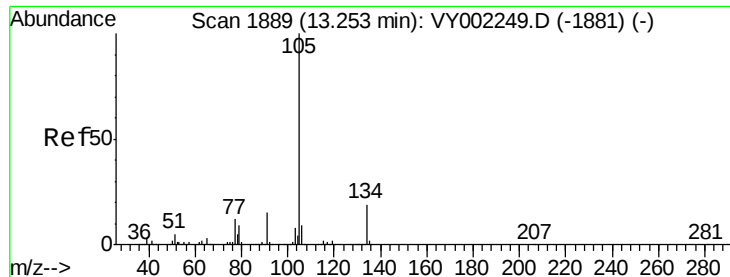
Tgt Ion: 105 Resp: 16823

Ion Ratio Lower Upper

105 100

120 48.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.625 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

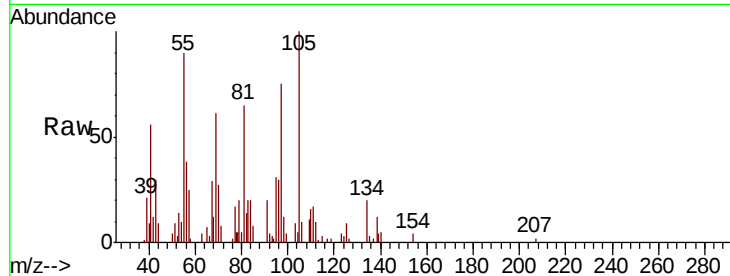
JC-02-04082020-A

Tot Ion:105 Resp: 8191

Ion Ratio Lower Upper

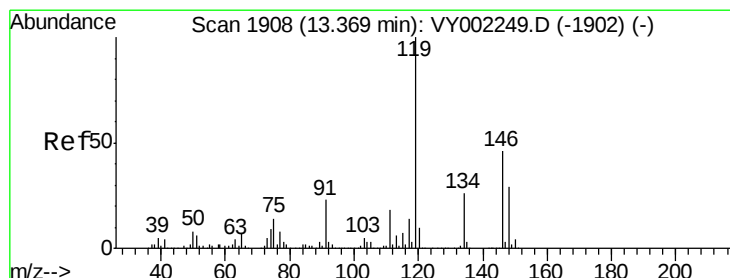
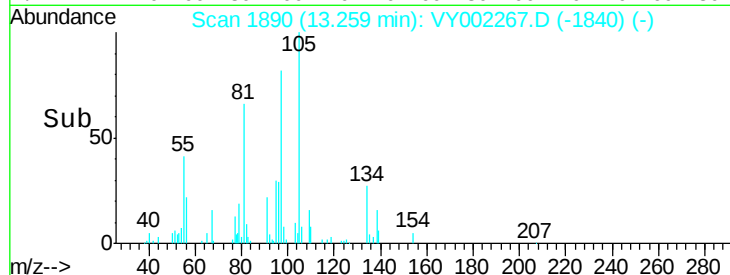
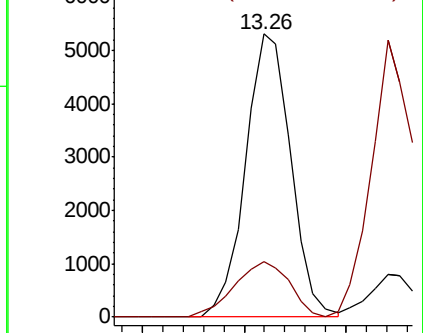
105 100

134 23.9 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.095 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

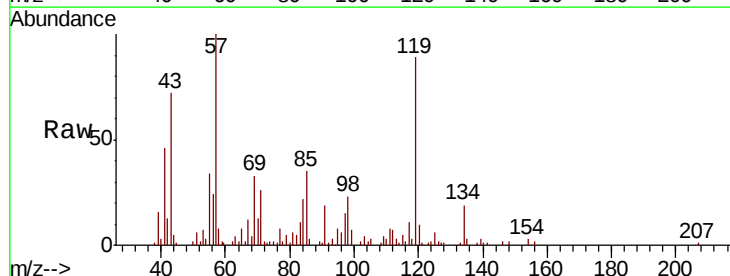
Tgt Ion:119 Resp: 17759

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

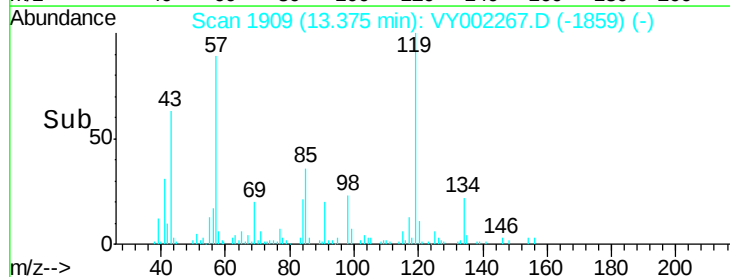
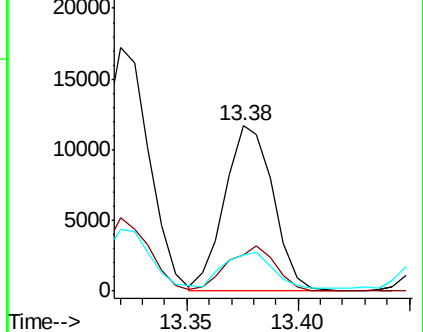
91 21.5 11.5 34.4

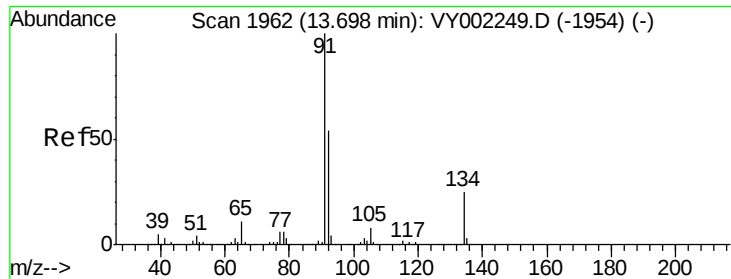


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

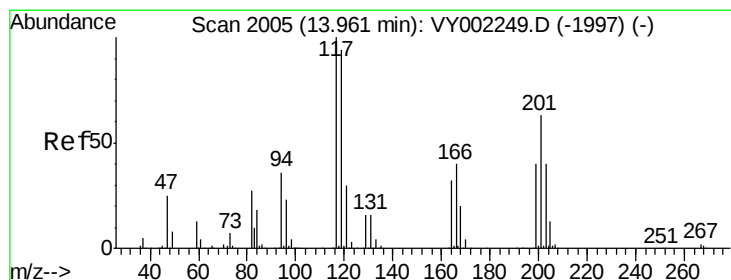
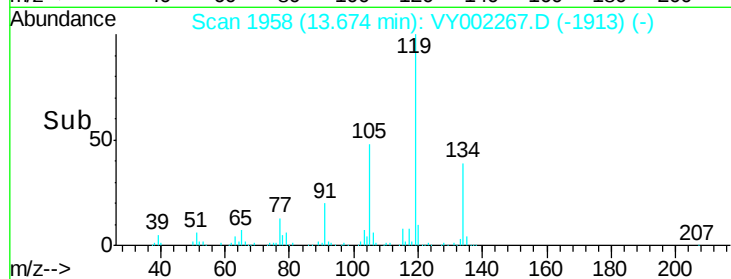
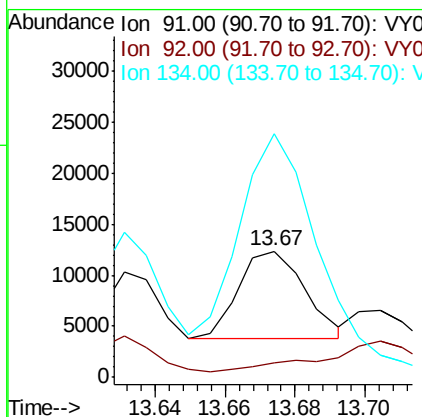
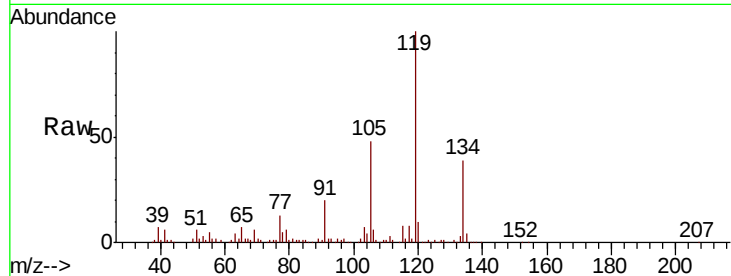




#89
n-Butylbenzene
Concen: 2.511 ug/l
RT: 13.67 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

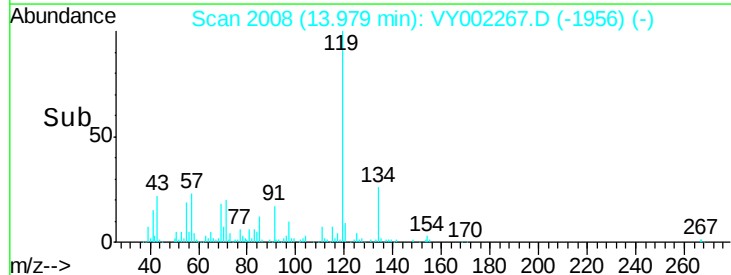
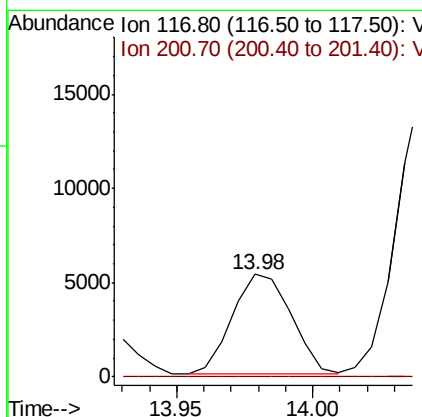
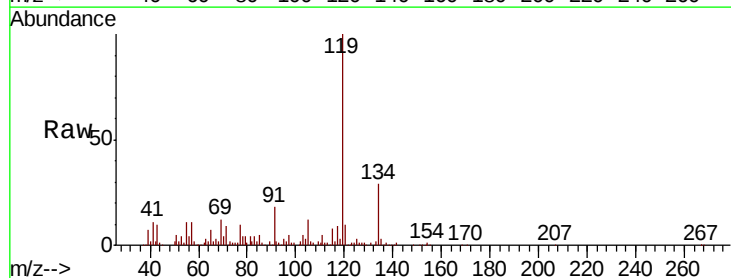
Instrument :
MSVOA_Y
ClientSampleId :
JC-02-04082020-A

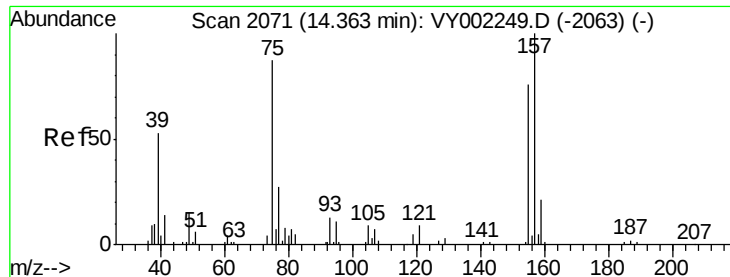
Tot Ion: 91 Resp: 11161
Ion Ratio Lower Upper
91 100
92 0.0 27.2 81.6#
134 364.3 12.7 38.0#



#90
Hexachloroethane
Concen: 9.628 ug/l
RT: 13.98 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VY002267.D
Acq: 09 Apr 2020 11:59

Tgt Ion: 117 Resp: 7957
Ion Ratio Lower Upper
117 100
201 0.0 33.1 99.2#

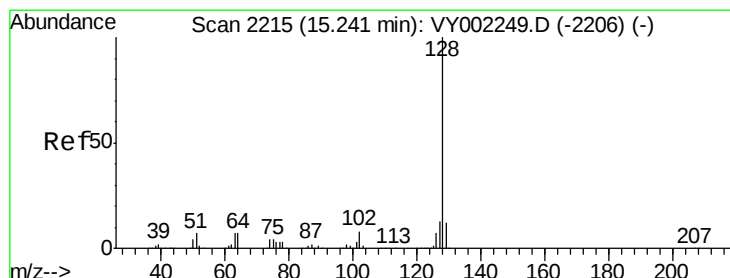
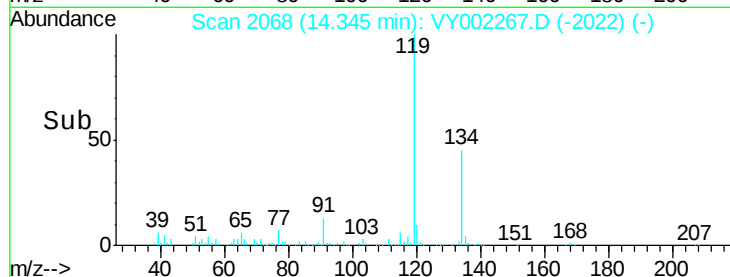
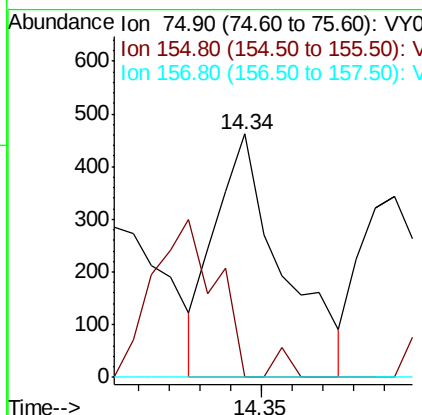
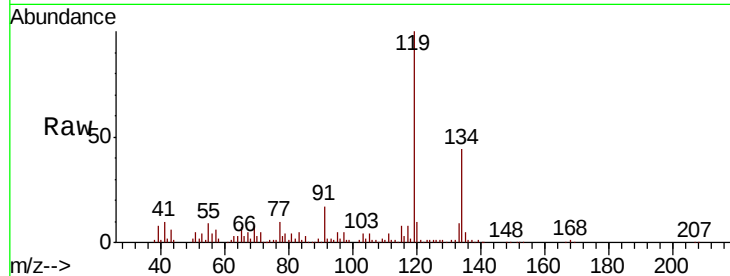




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.941 ug/l
 RT: 14.34 min Scan# 2068
 Delta R.T. -0.02 min
 Lab File: VY002267.D
 Acq: 09 Apr 2020 11:59

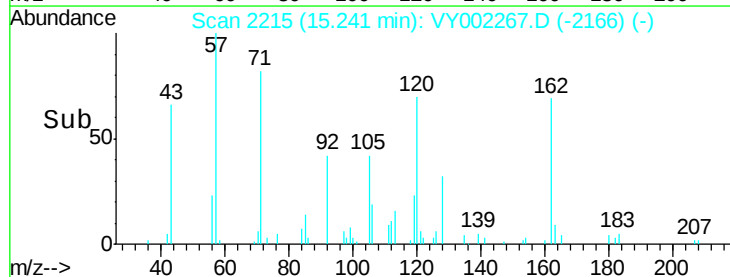
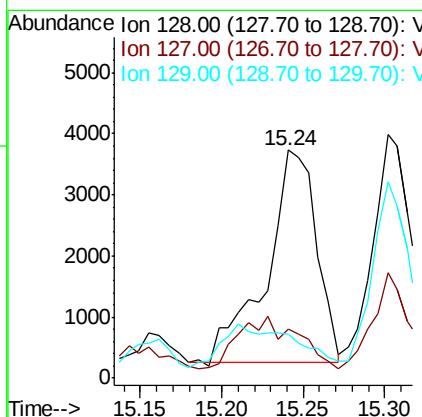
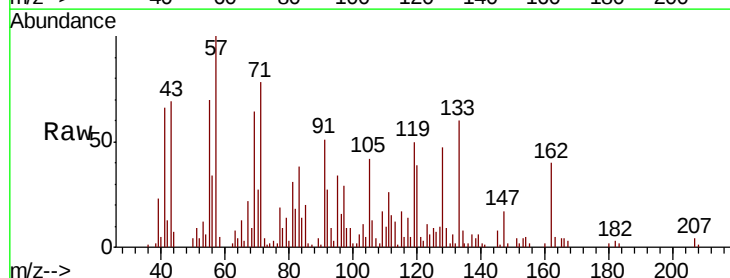
Instrument :
 MSVOA_Y
 ClientSampleId :
 JC-02-04082020-A

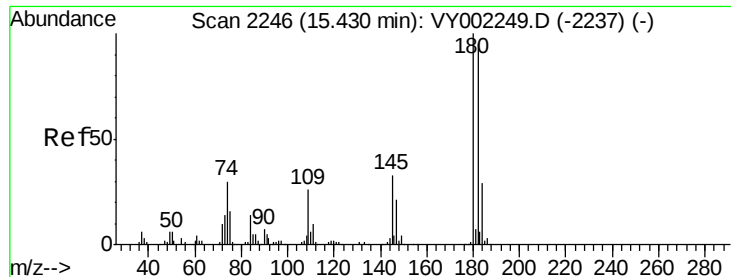
Tot Ion: 75 Resp: 706
 Ion Ratio Lower Upper
 75 100
 155 3.0 43.6 130.8#
 157 0.0 56.0 168.2#



#95
 Naphthalene
 Concen: 2.716 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.00 min
 Lab File: VY002267.D
 Acq: 09 Apr 2020 11:59

Tgt Ion: 128 Resp: 7353
 Ion Ratio Lower Upper
 128 100
 127 29.6 10.1 15.1#
 129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 1.417 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VY002267.D

Acq: 09 Apr 2020 11:59

Instrument :

MSVOA_Y

ClientSampleId :

JC-02-04082020-A

Tot Ion:180 Resp: 1522

Ion Ratio Lower Upper

180 100

182 74.6 47.1 141.3

145 725.8 16.7 50.1#

