

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003034.D
 Acq On : 30 Jun 2020 14:49
 Operator : SY/MD
 Sample : L2815-16
 Misc : 7.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-062920

Quant Time: Jul 01 05:13:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	360795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	580853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	556687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	276842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	201795	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	
35) Dibromofluoromethane	7.72	113	194633	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.18	98	701048	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.48	95	259390	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

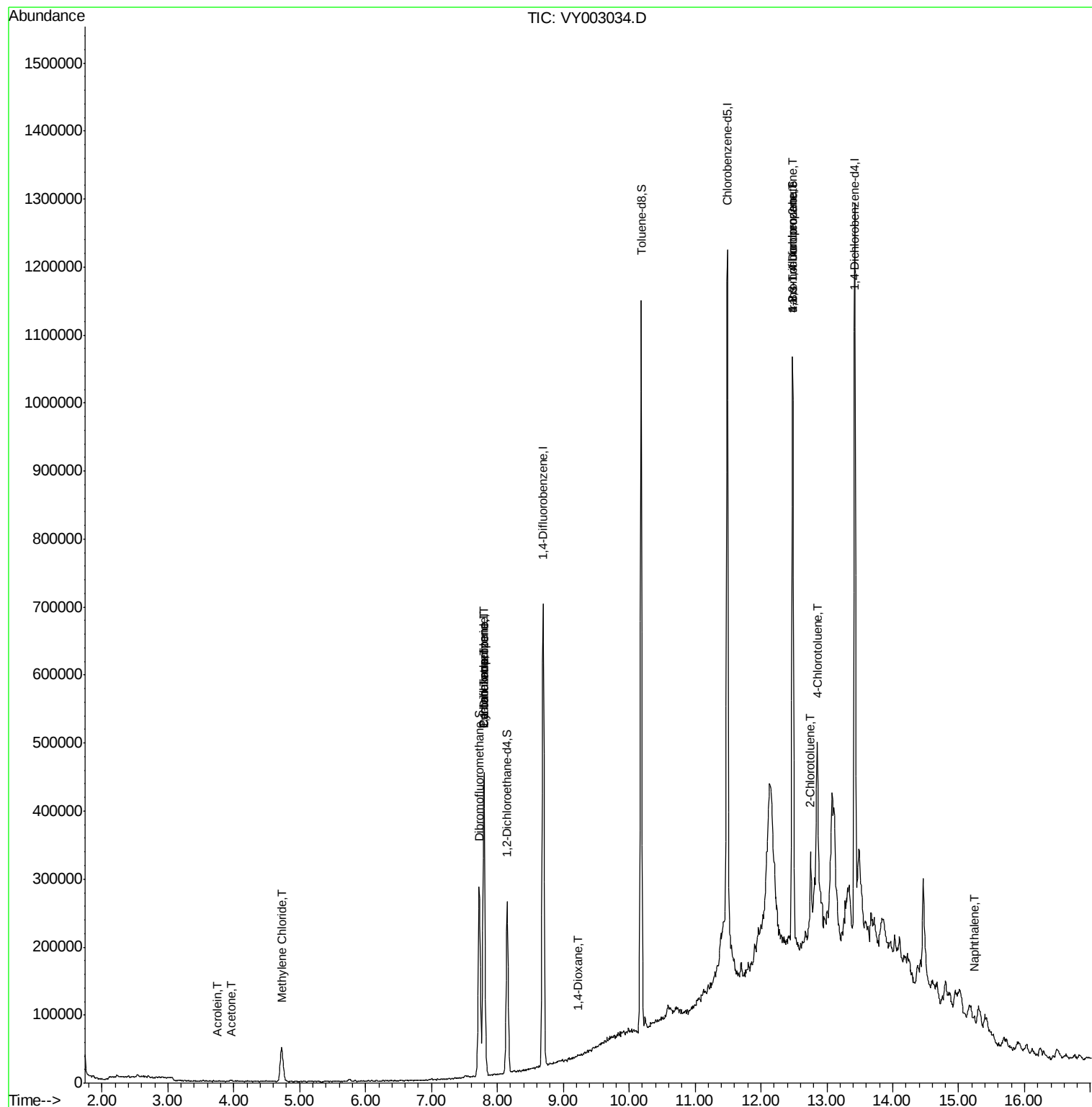
					Qvalue	
13) Acrolein	3.75	56	417	1.271	ug/l	98
16) Acetone	3.96	43	2550	3.017	ug/l #	84
20) Methylene Chloride	4.73	84	38692	3.821	ug/l	95
31) Cyclohexane	7.79	56	7596	1.205	ug/l #	6
36) 1,1-Dichloropropene	7.79	75	24839	4.439	ug/l #	50
38) Carbon Tetrachloride	7.80	117	32502	5.583	ug/l #	17
49) 1,4-Dioxane	9.21	88	33	1.175	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	131187	47.880	ug/l #	100
79) 2-Chlorotoluene	12.75	91	52445	4.312	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	131187	93.155	ug/l #	13
82) 4-Chlorotoluene	12.85	91	101103	7.984	ug/l	98
95) Naphthalene	15.24	128	11397	1.079	ug/l #	89

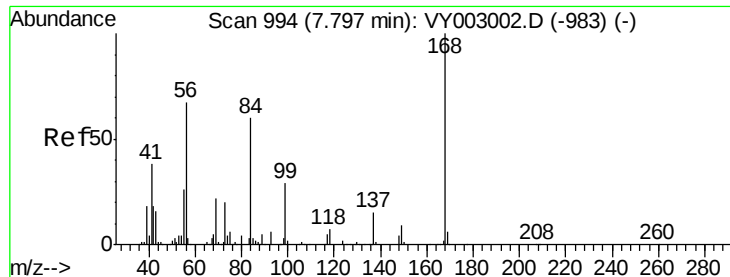
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

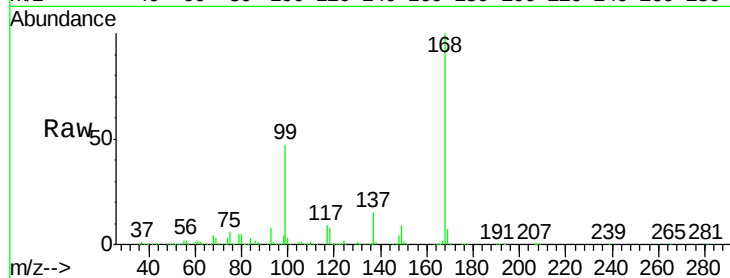
OR-03-062920

Tot Ion:168 Resp: 360795

Ion Ratio Lower Upper

168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

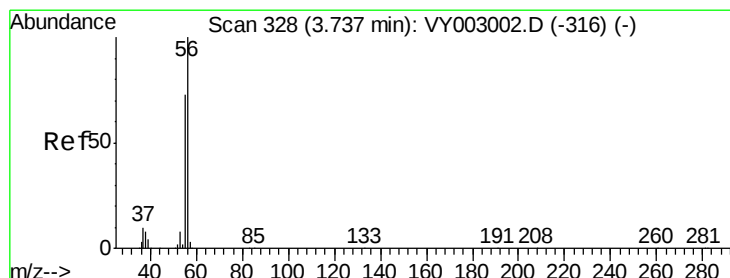
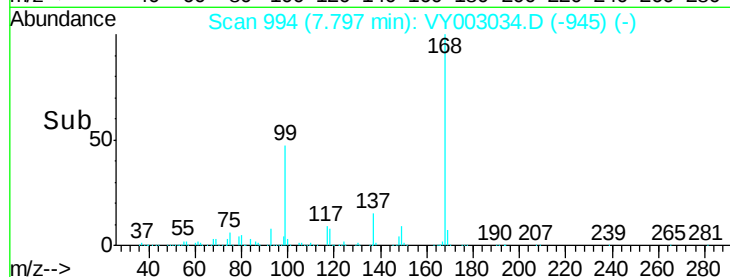
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.271 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.01 min

Lab File: VY003034.D

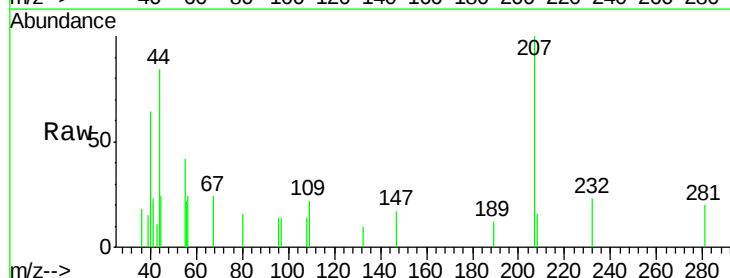
Acq: 30 Jun 2020 14:49

Tgt Ion: 56 Resp: 417

Ion Ratio Lower Upper

56 100

55 69.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VY003002.D (-316) (-)

Ion 55.00 (54.70 to 55.70): VY003002.D (-316) (-)

3.75

250

200

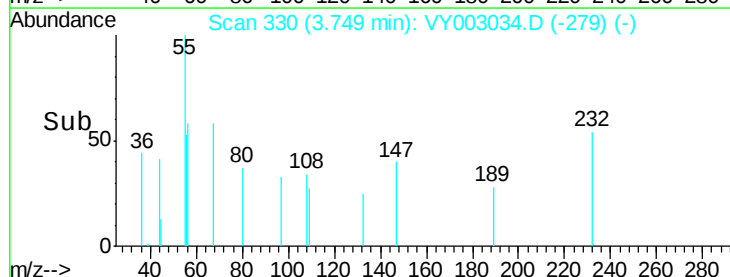
150

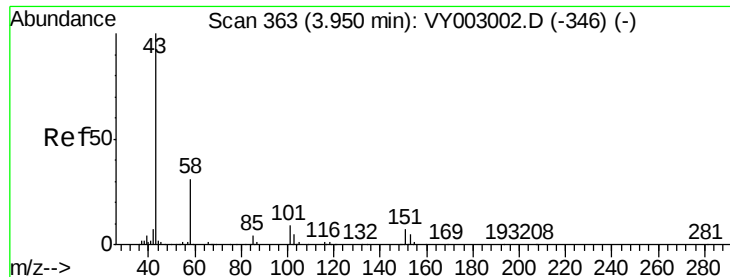
100

50

0

Time-->





#16

Acetone

Concen: 3.017 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

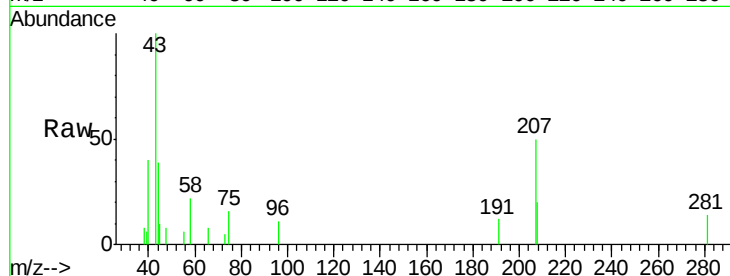
OR-03-062920

Tot Ion: 43 Resp: 2550

Ion Ratio Lower Upper

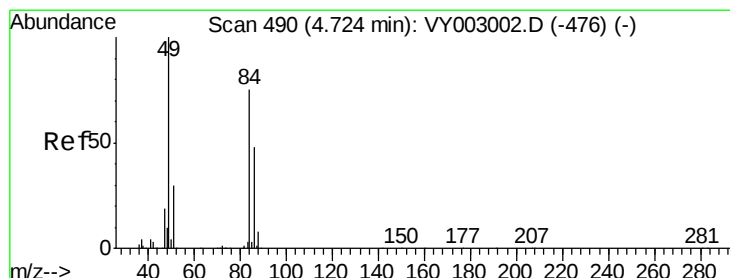
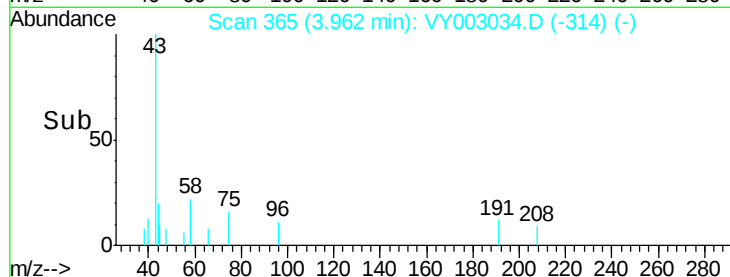
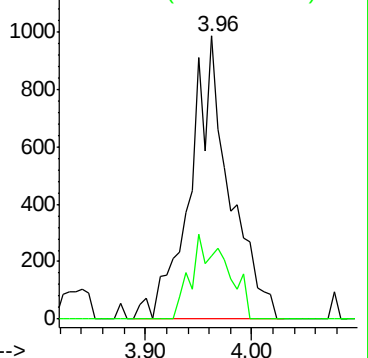
43 100

58 22.2 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.821 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Tgt Ion: 84 Resp: 38692

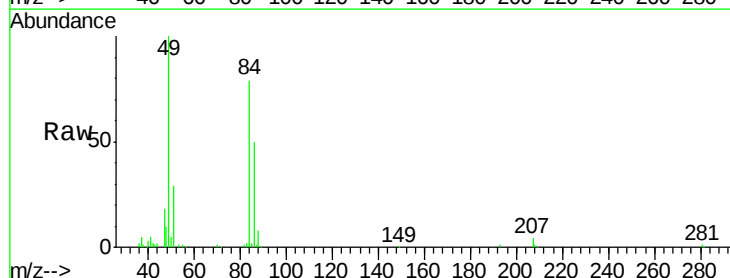
Ion Ratio Lower Upper

84 100

49 125.8 106.8 160.2

51 36.5 32.0 48.0

86 63.0 51.4 77.2

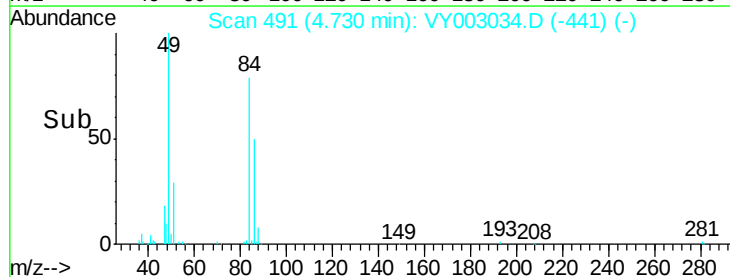
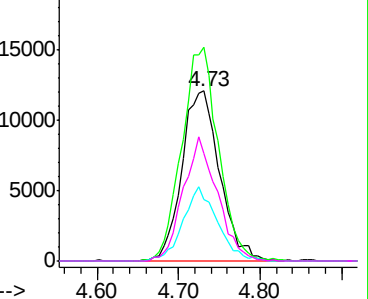


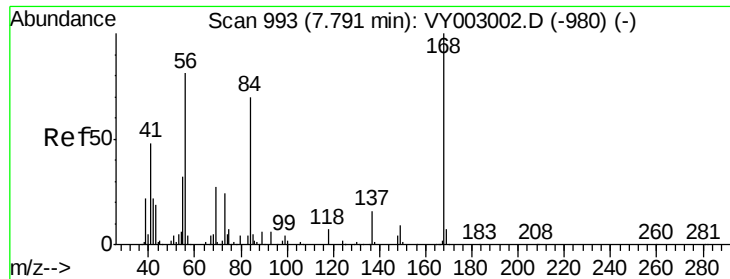
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

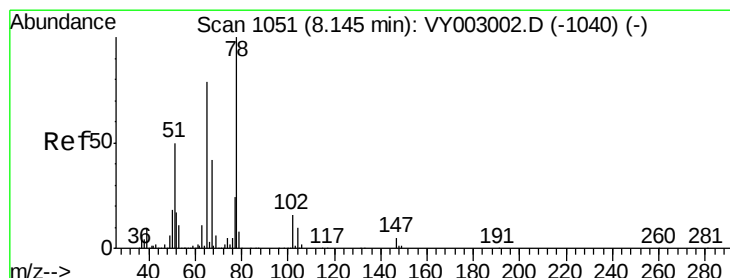
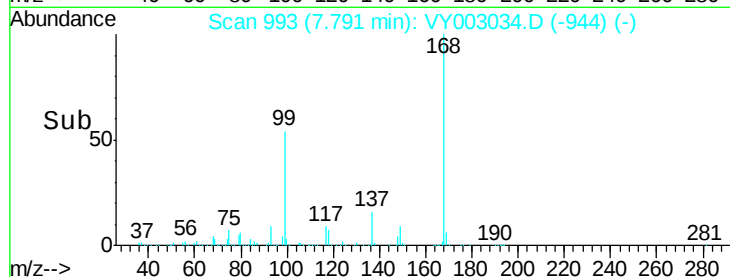
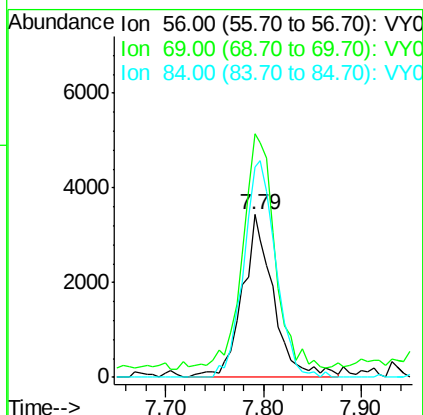
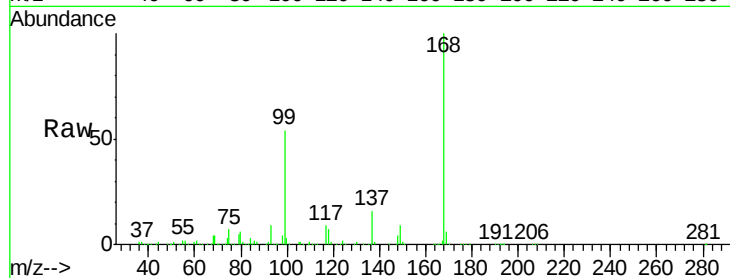




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

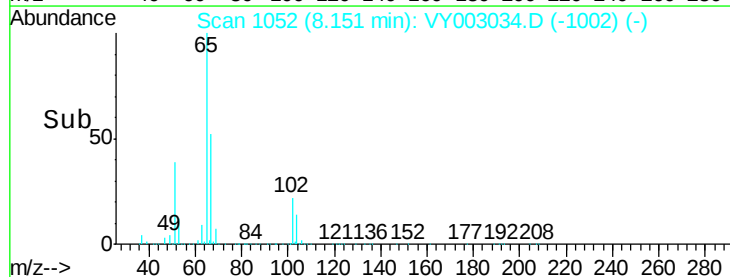
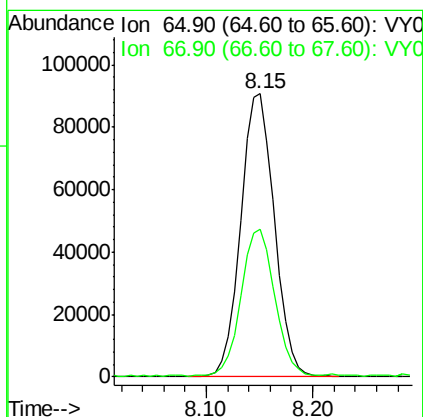
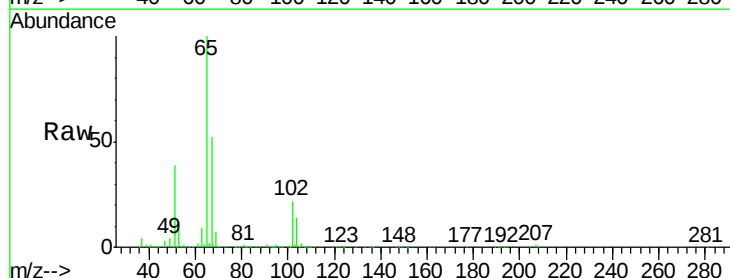
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-062920

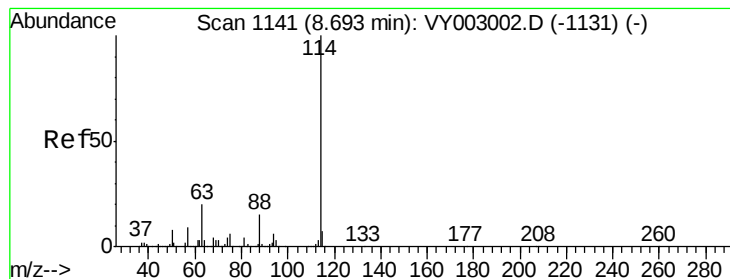
Tot Ion: 56 Resp: 7596
Ion Ratio Lower Upper
56 100
69 143.7 27.0 40.4#
84 135.2 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 56.313 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Tgt Ion: 65 Resp: 201795
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-062920

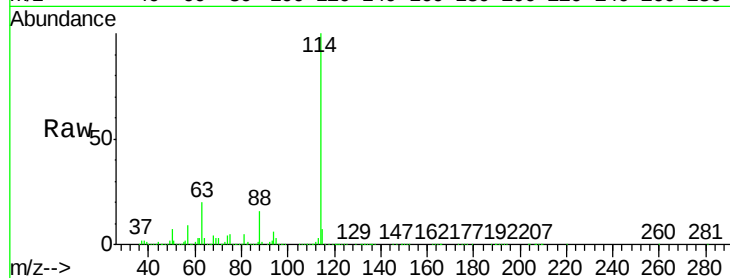
Tot Ion:114 Resp: 580853

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

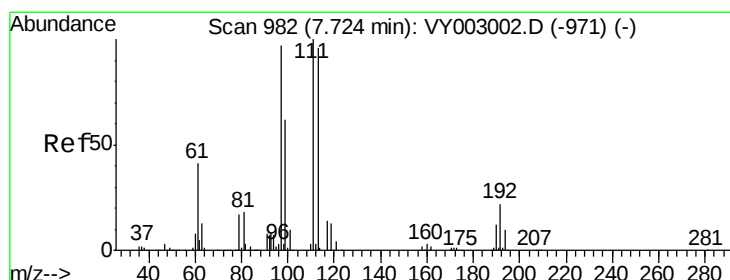
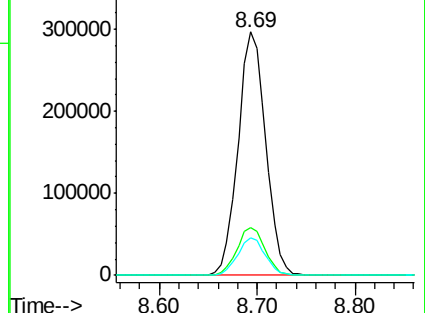
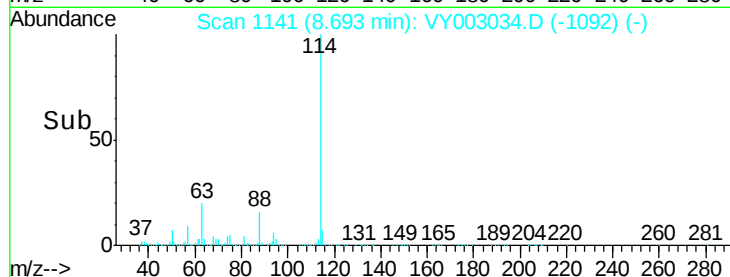
88 15.7 0.0 30.0



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: 53.715 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

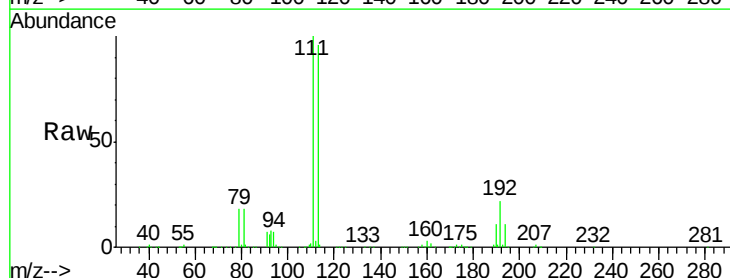
Tgt Ion:113 Resp: 194633

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

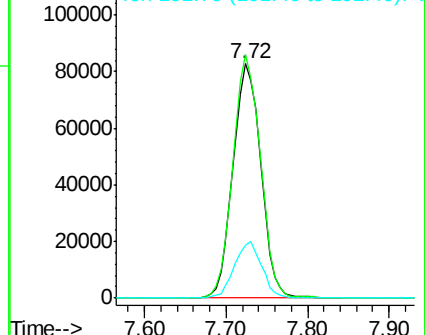
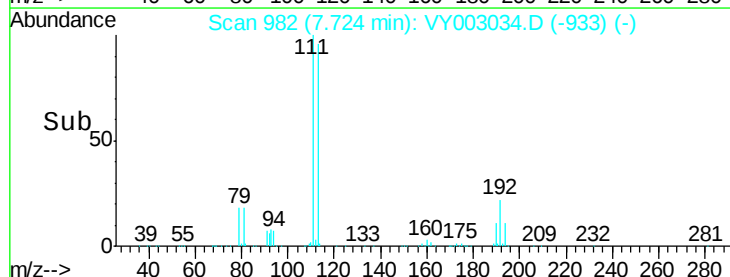
192 23.7 18.1 27.1

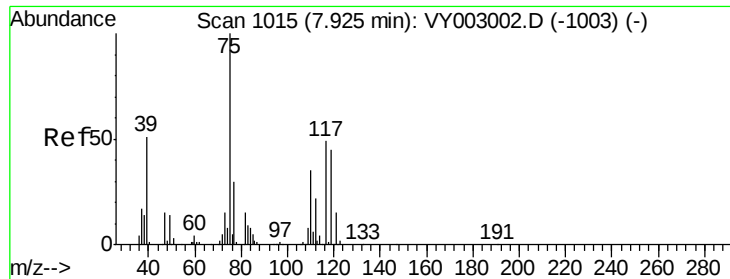


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.439 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-062920

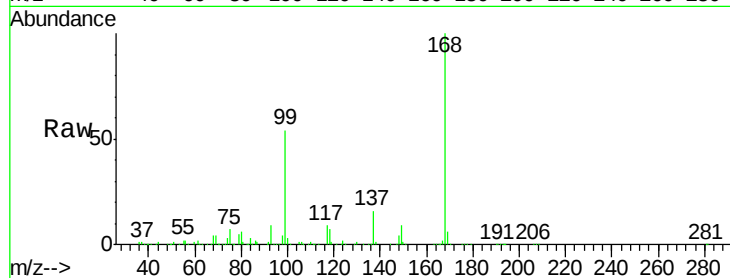
Tot Ion: 75 Resp: 24839

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.2#

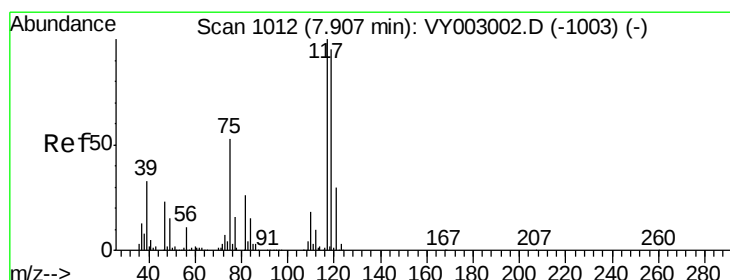
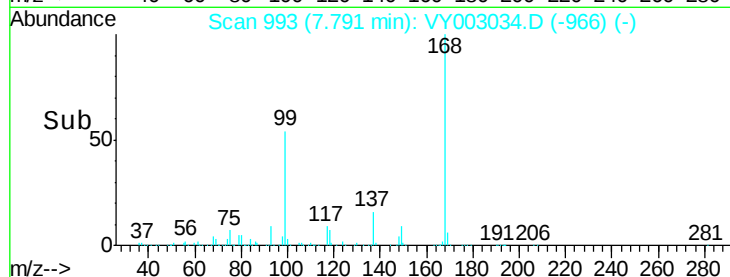
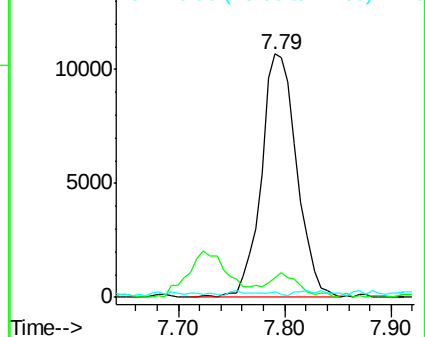
77 0.7 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VY003034.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY003034.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY003034.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 5.583 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

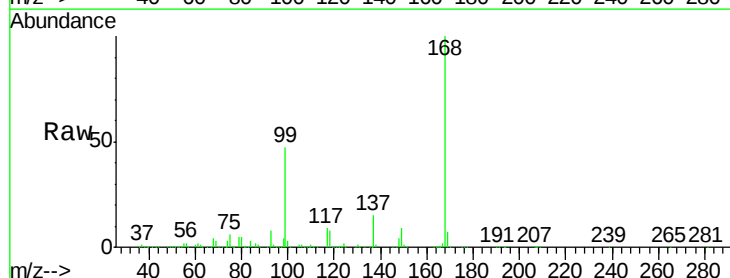
Tgt Ion: 117 Resp: 32502

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

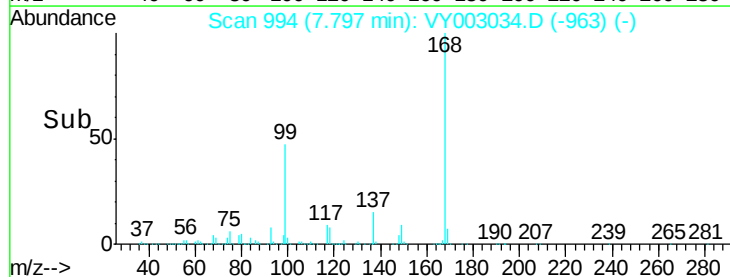
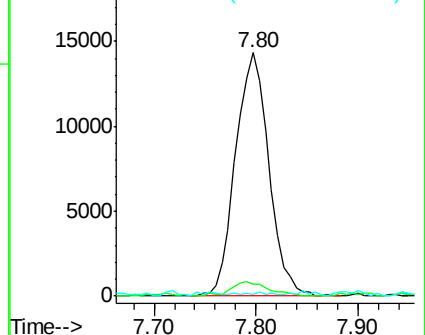
121 0.9 23.9 35.9#

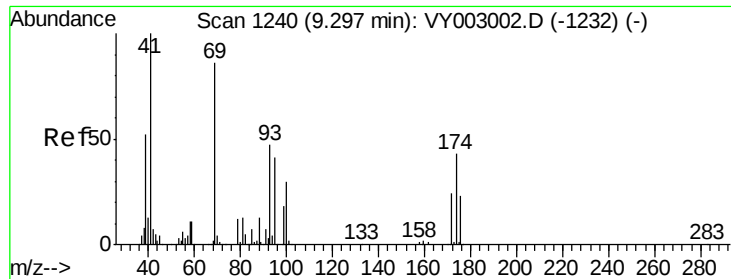


Abundance Ion 116.80 (116.50 to 117.50): VY003034.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY003034.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY003034.D (-963) (-)

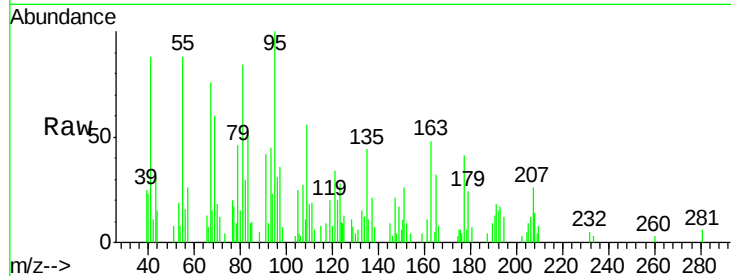




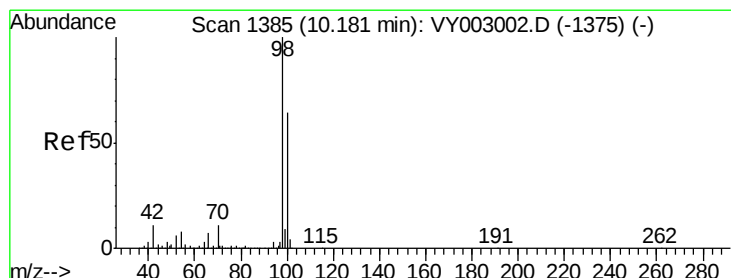
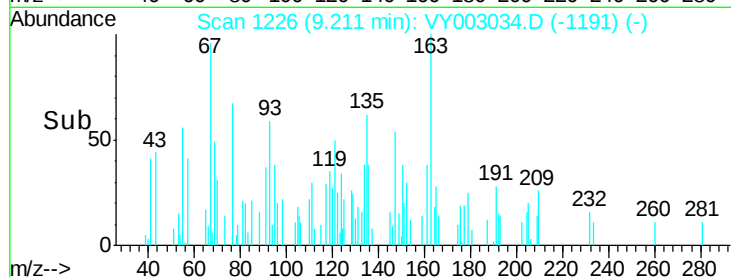
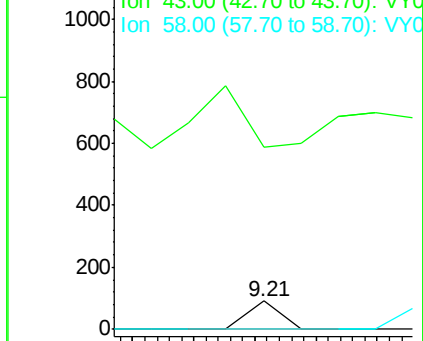
#49
1,4-Dioxane
Concen: 1.175 ug/l
RT: 9.21 min Scan# 1226
Delta R.T. -0.09 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-062920

Tot Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 1390.9 28.6 42.8#
58 0.0 56.7 85.1#

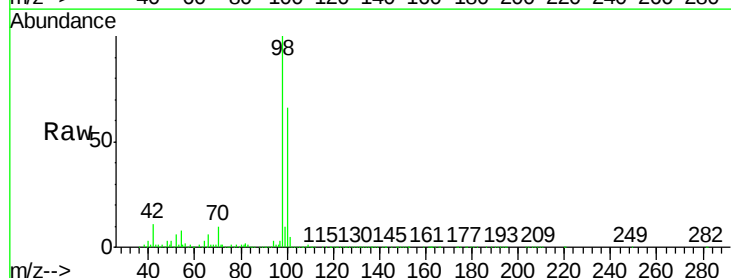


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

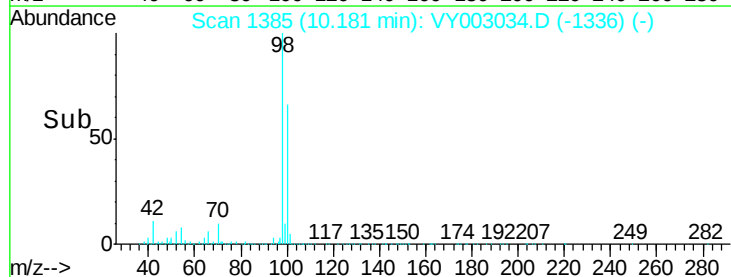
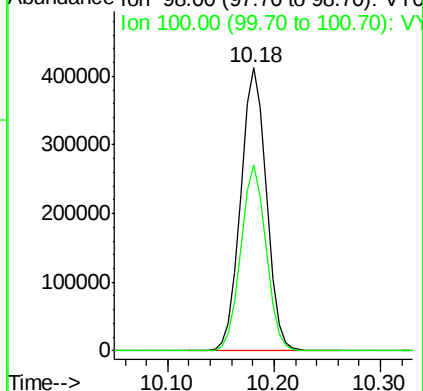


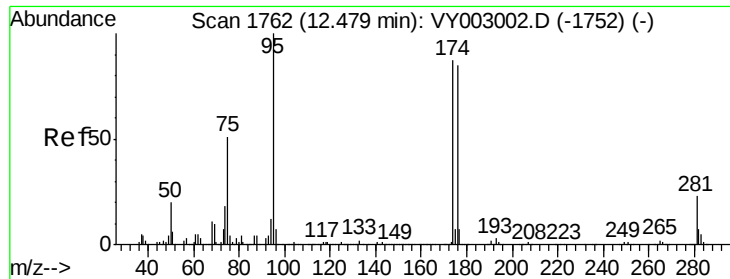
#50
Toluene-d8
Concen: 51.933 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Tgt Ion: 98 Resp: 701048
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



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





#62

4-Bromofluorobenzene

Concen: 54.589 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-062920

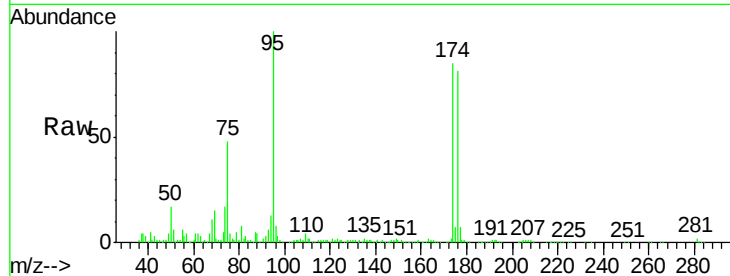
Tot Ion: 95 Resp: 259390

Ion Ratio Lower Upper

95 100

174 92.7 0.0 184.8

176 88.5 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

12.48

200000

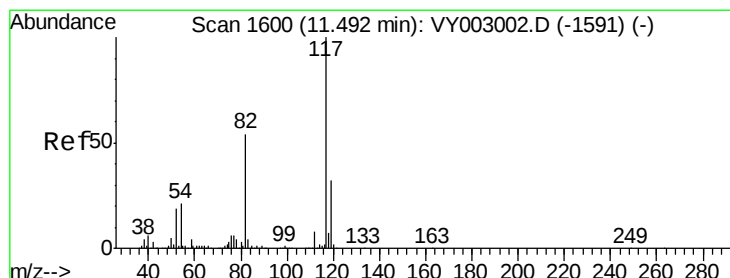
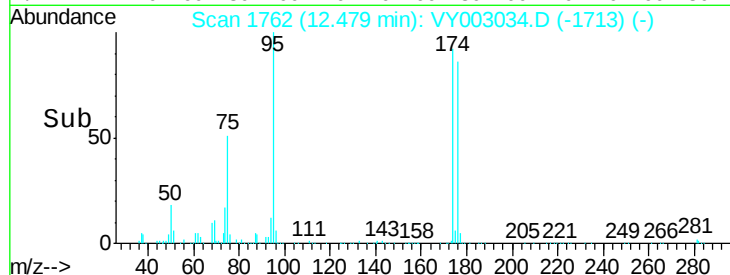
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

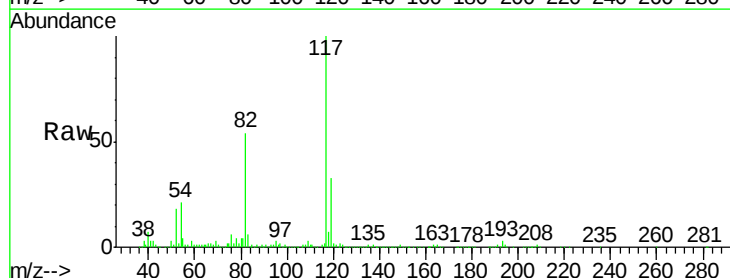
Tgt Ion: 117 Resp: 556687

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.6

119 32.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

11.49

400000

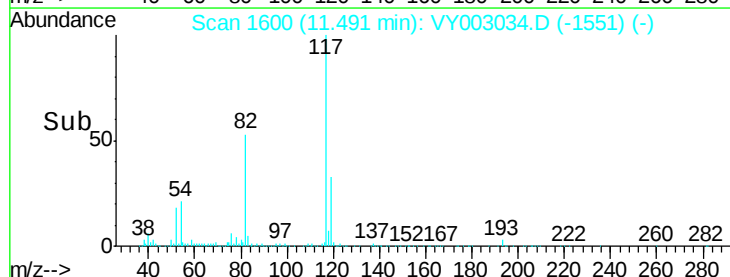
300000

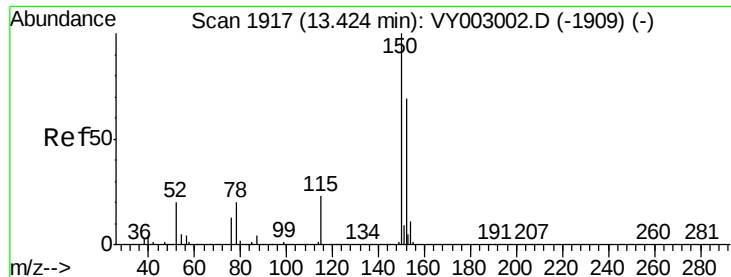
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003034.D

Acq: 30 Jun 2020 14:49

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-062920

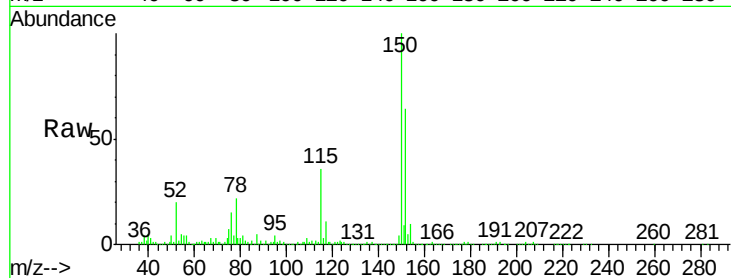
Tot Ion:152 Resp: 276842

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

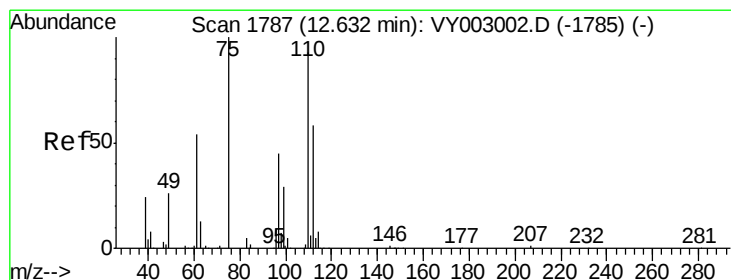
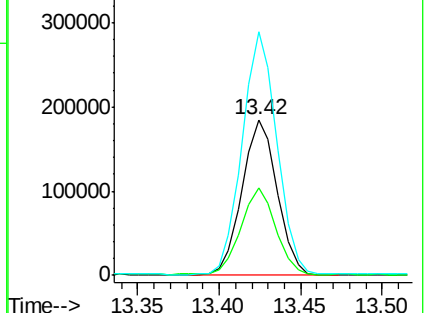
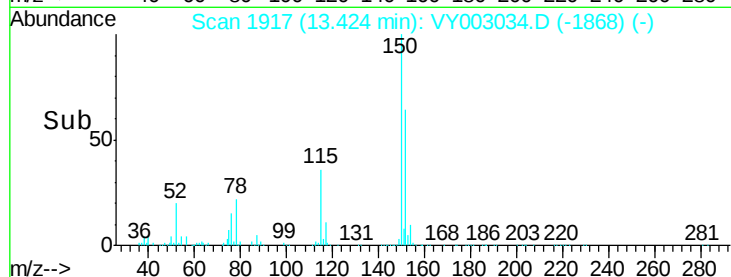
150 155.2 0.0 343.4



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: 47.880 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003034.D

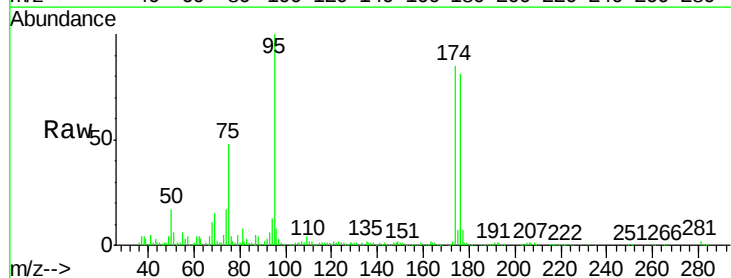
Acq: 30 Jun 2020 14:49

Tgt Ion: 75 Resp: 131187

Ion Ratio Lower Upper

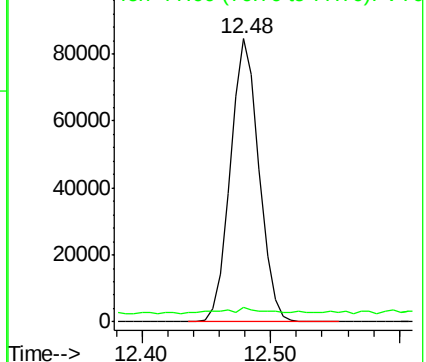
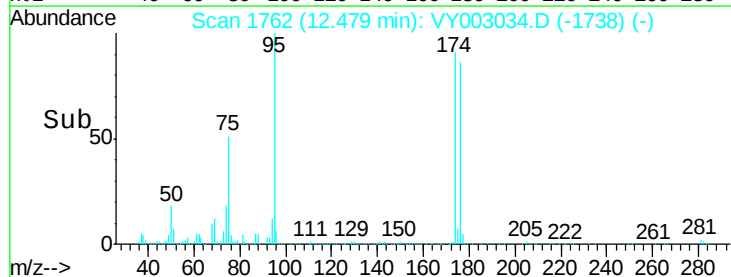
75 100

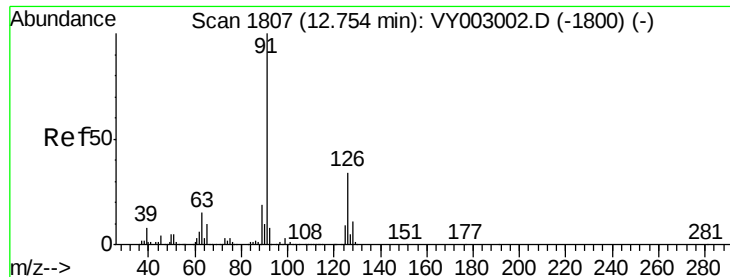
77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

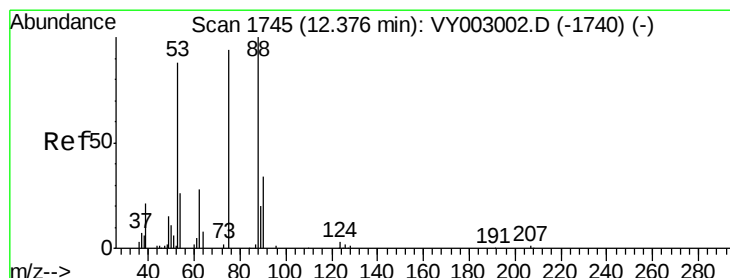
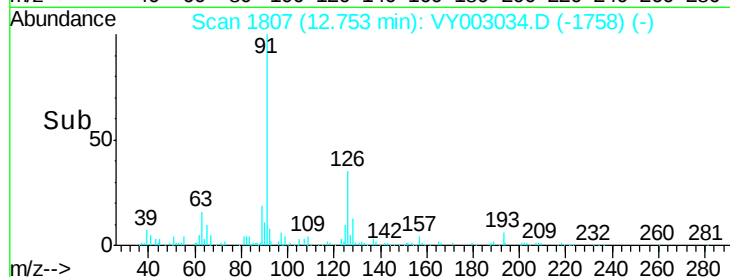
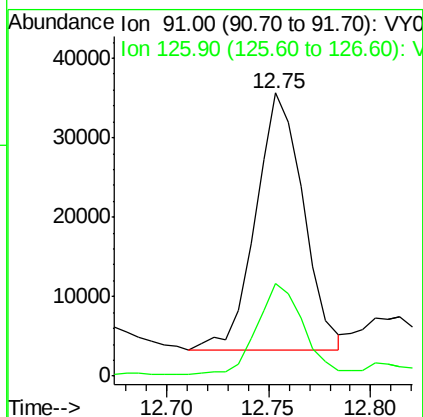
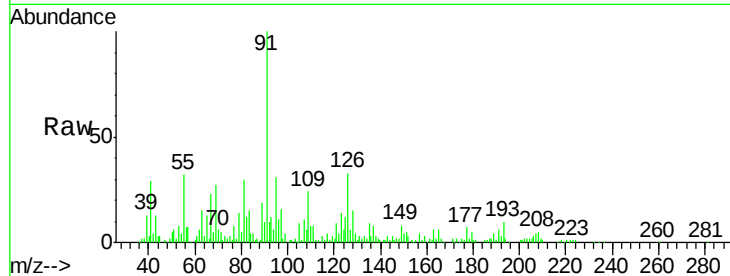




#79
2-Chlorotoluene
Concen: 4.312 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

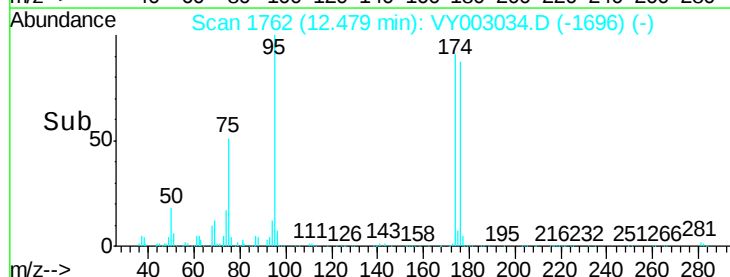
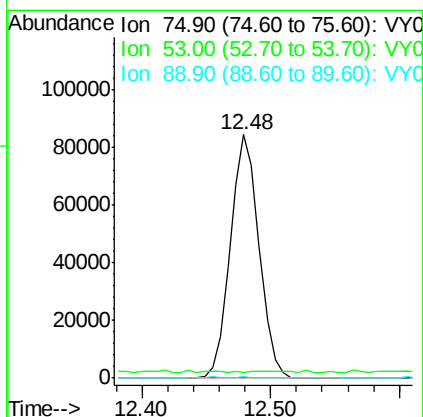
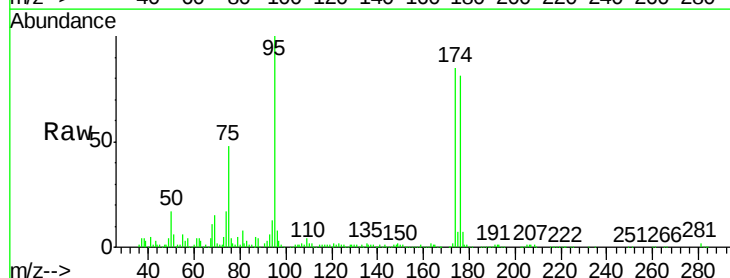
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-062920

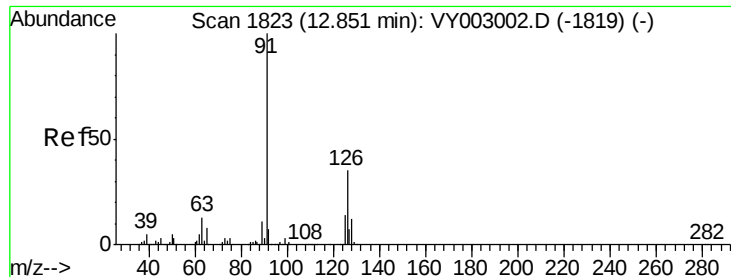
Tot Ion: 91 Resp: 52445
Ion Ratio Lower Upper
91 100
126 35.5 17.1 51.3



#81
trans-1,4-Dichloro-2-butene
Concen: 93.155 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Tgt Ion: 75 Resp: 131187
Ion Ratio Lower Upper
75 100
53 0.5 73.9 110.9#
89 0.2 37.5 56.3#

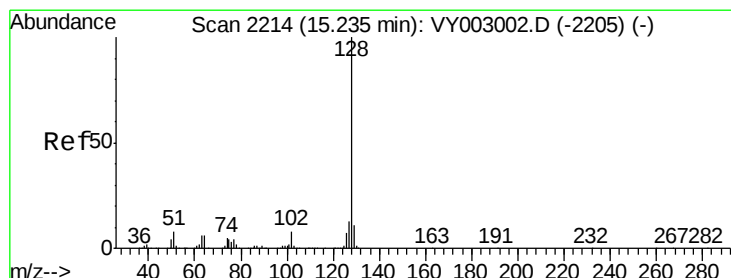
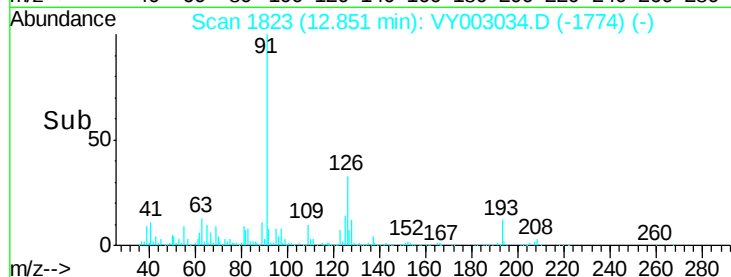
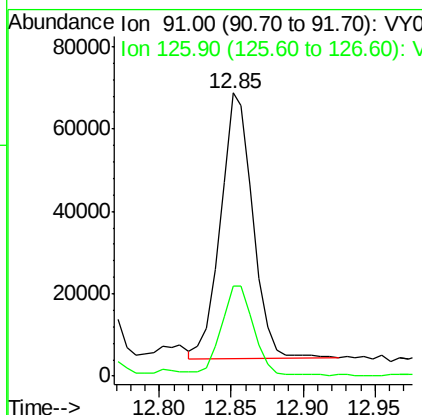
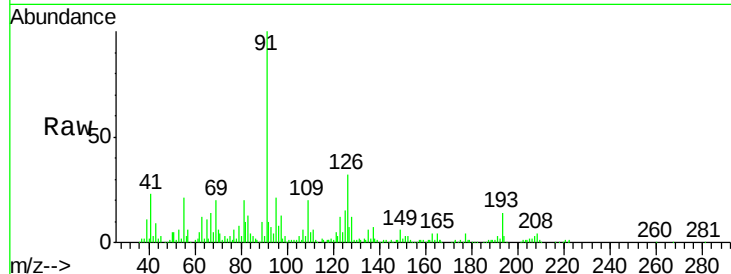




#82
4-Chlorotoluene
Concen: 7.984 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-062920

Tot Ion: 91 Resp: 101103
Ion Ratio Lower Upper
91 100
126 33.9 17.4 52.3



#95
Naphthalene
Concen: 1.079 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003034.D
Acq: 30 Jun 2020 14:49

Tgt Ion: 128 Resp: 11397
Ion Ratio Lower Upper
128 100
127 19.9 10.8 16.2#
129 12.6 8.8 13.2

