

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003011.D
 Acq On : 29 Jun 2020 17:07
 Operator : SY/MD
 Sample : L3128-03
 Misc : 7.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64

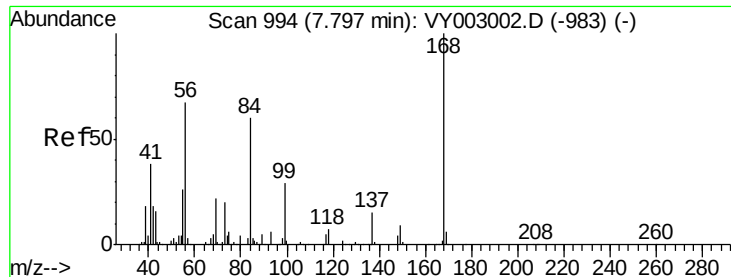
Quant Time: Jun 30 06:46:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	329847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	531407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	458260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	157115	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	185616	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
35) Dibromofluoromethane	7.72	113	172897	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
50) Toluene-d8	10.18	98	633625	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.48	95	185831	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2126	1.231	ug/l	79
11) Tert butyl alcohol	4.98	59	9285	27.810	ug/l #	82
16) Acetone	3.96	43	57686	74.660	ug/l	95
17) Carbon Disulfide	4.20	76	11639	1.273	ug/l #	78
20) Methylene Chloride	4.73	84	70498	15.659	ug/l	96
25) 2-Butanone	7.00	43	10362	8.443	ug/l	93
52) Toluene	10.24	92	9599	1.088	ug/l	97
68) m/p-Xylenes	11.70	106	12717	2.067	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	10891	1.253	ug/l	95
85) sec-Butylbenzene	13.25	105	17294	1.656	ug/l #	75
86) p-Isopropyltoluene	13.37	119	200602	20.730	ug/l	98
95) Naphthalene	15.23	128	10412	1.737	ug/l #	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

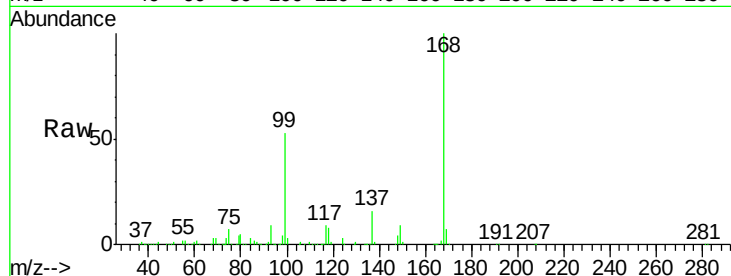
78-64

Tot Ion:168 Resp: 329847

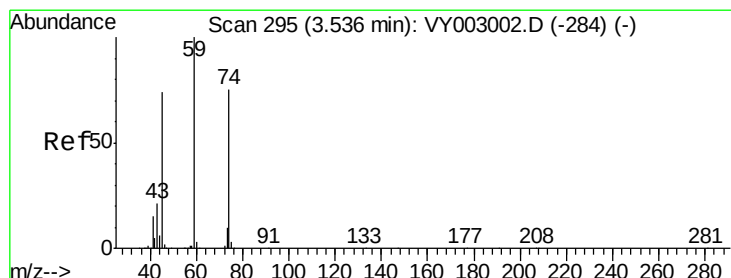
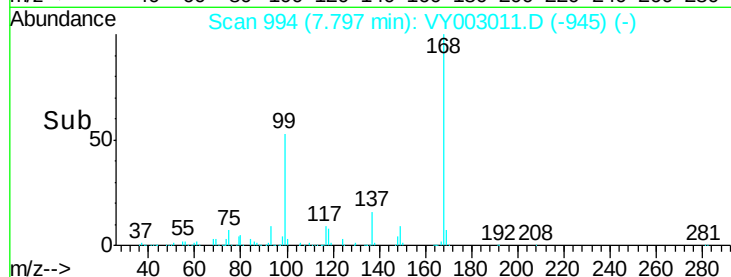
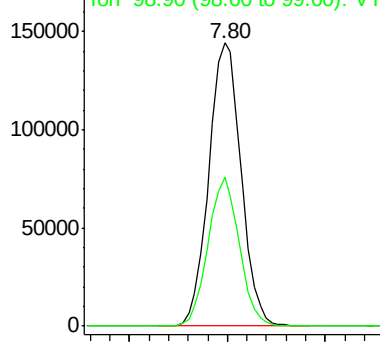
Ion Ratio Lower Upper

168 100

99 52.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003011.D (-945) (-)



#8

Diethyl Ether

Concen: 1.231 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003011.D

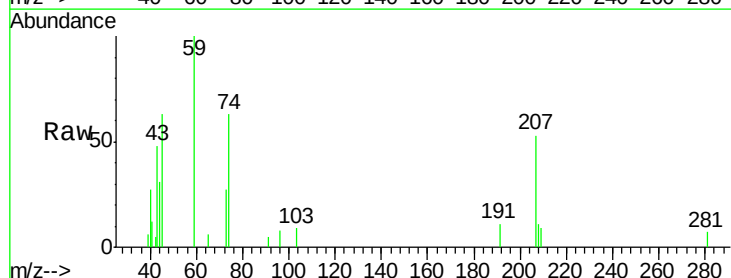
Acq: 29 Jun 2020 17:07

Tgt Ion: 74 Resp: 2126

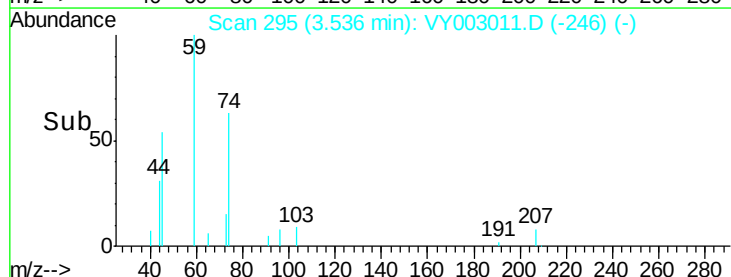
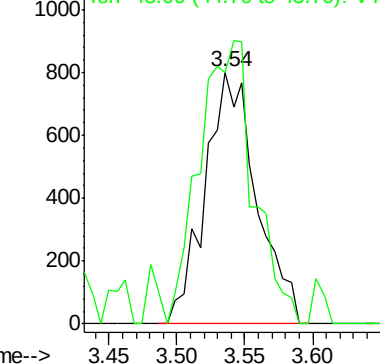
Ion Ratio Lower Upper

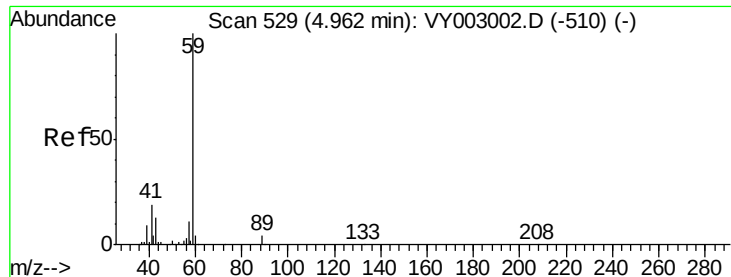
74 100

45 119.0 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003011.D (-246) (-)



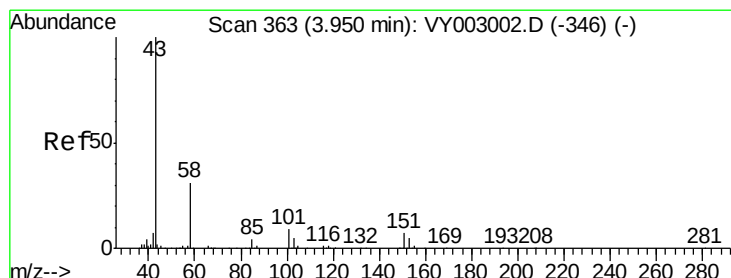
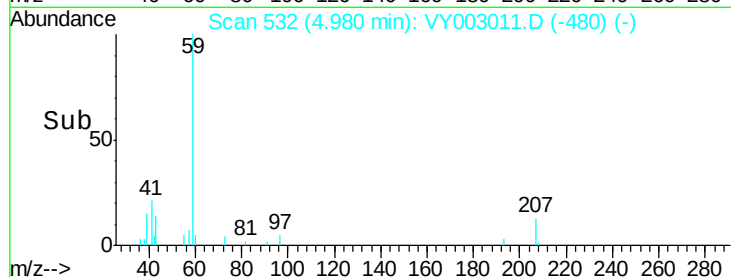
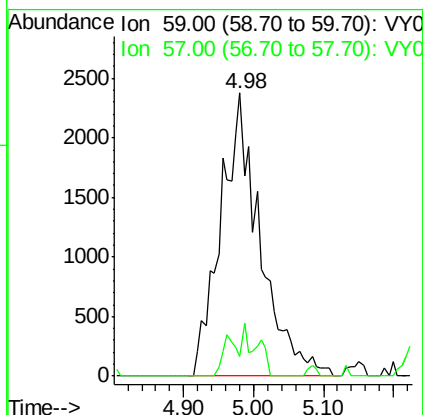
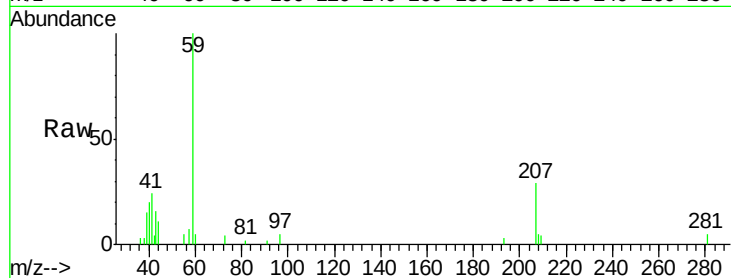


#11

Tert butyl alcohol
 Concen: 27.810 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VY003011.D
 Acq: 29 Jun 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampled :
 78-64

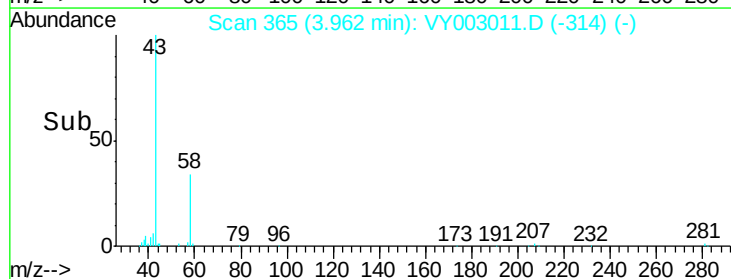
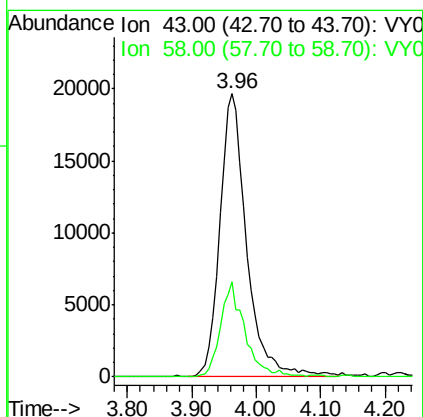
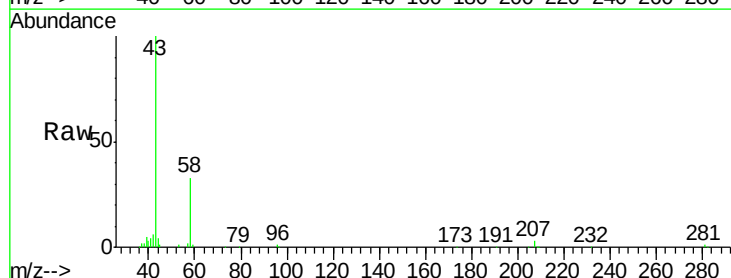
Tot Ion: 59 Resp: 9285
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.0 12.0#

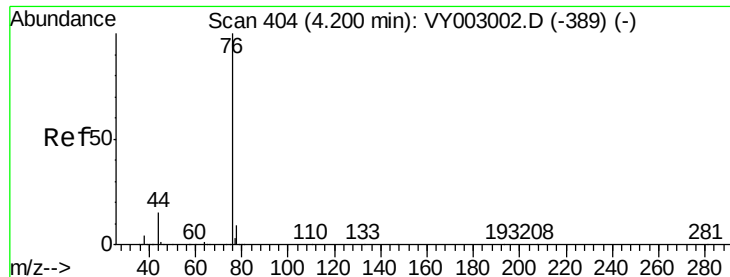


#16

Acetone
 Concen: 74.660 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY003011.D
 Acq: 29 Jun 2020 17:07

Tgt Ion: 43 Resp: 57686
 Ion Ratio Lower Upper
 43 100
 58 33.5 24.7 37.1





#17

Carbon Disulfide

Concen: 1.273 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

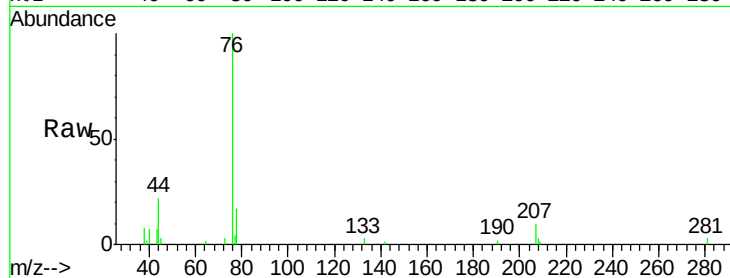
78-64

Tot Ion: 76 Resp: 11639

Ion Ratio Lower Upper

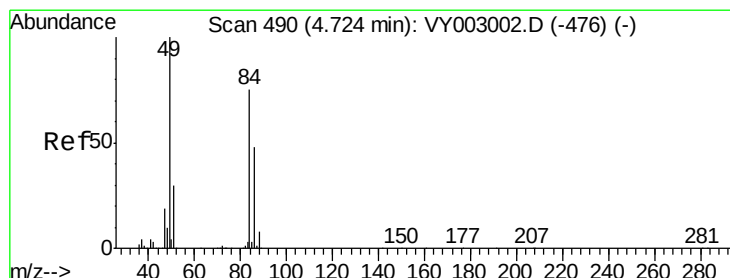
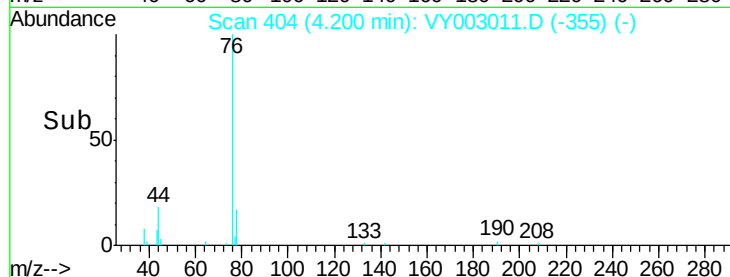
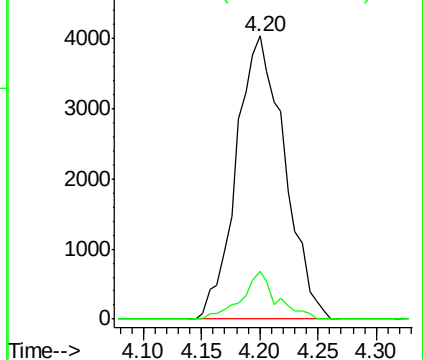
76 100

78 16.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 15.659 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Tgt Ion: 84 Resp: 70498

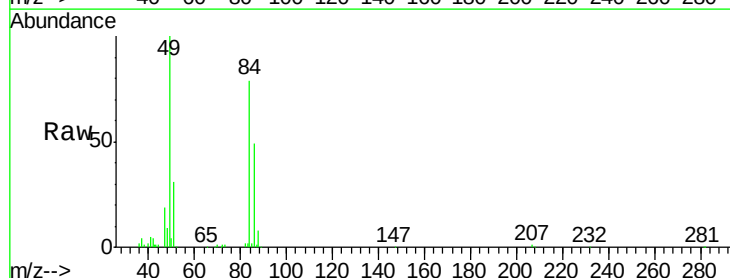
Ion Ratio Lower Upper

84 100

49 126.8 106.8 160.2

51 39.7 32.0 48.0

86 61.6 51.4 77.2

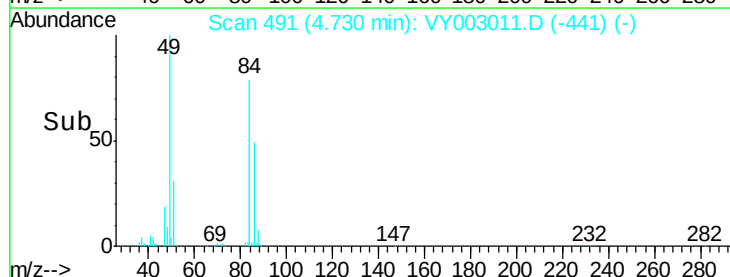
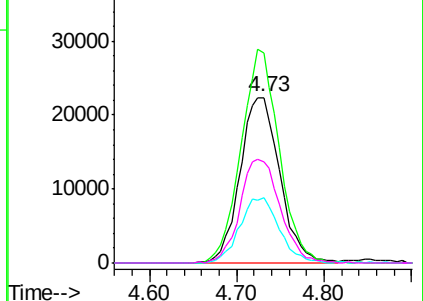


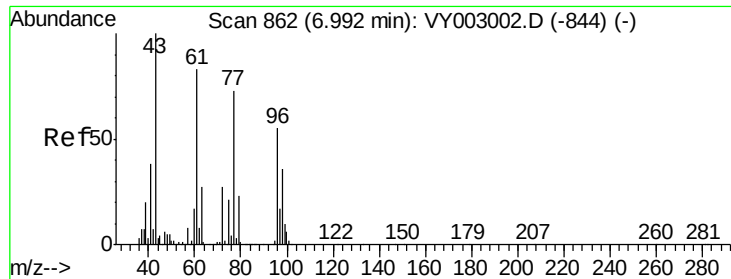
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

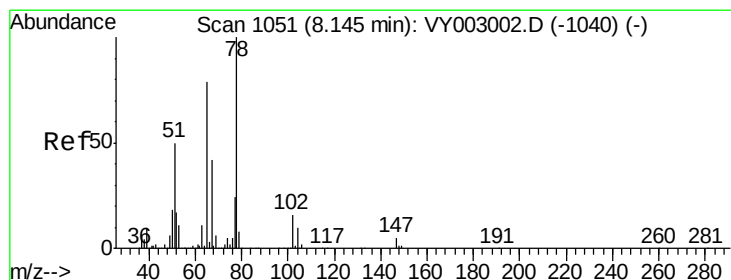
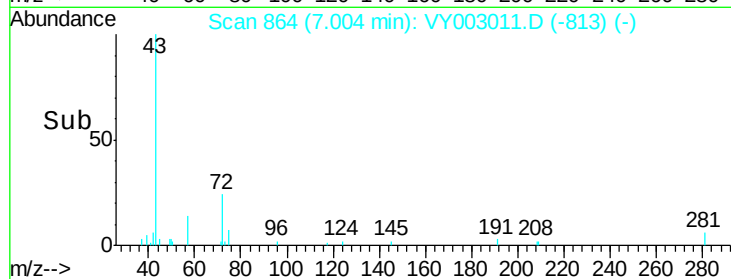
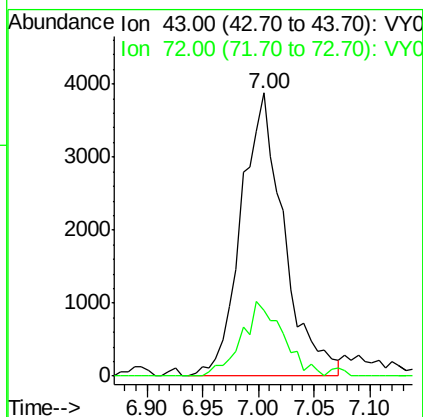
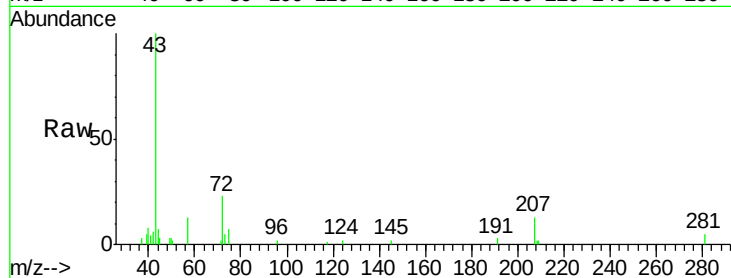




#25
2-Butanone
Concen: 8.443 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003011.D
Acq: 29 Jun 2020 17:07

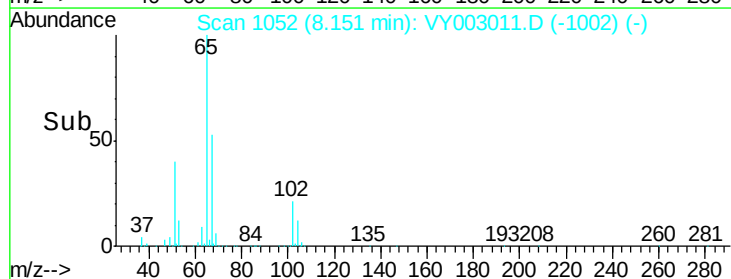
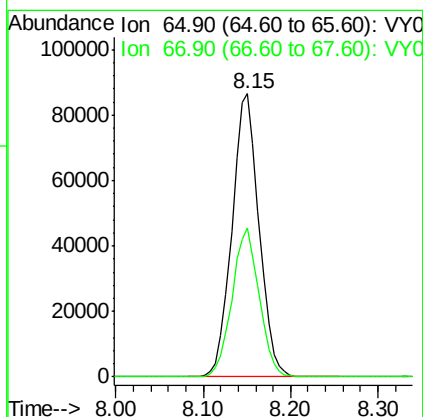
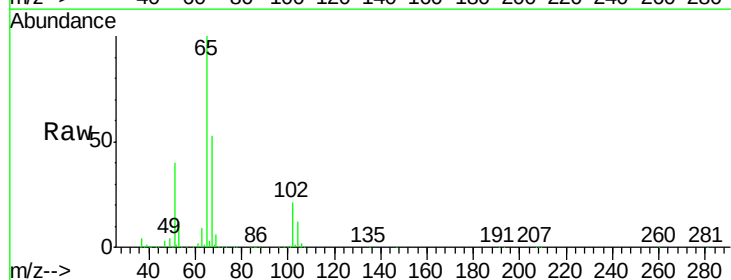
Instrument :
MSVOA_Y
ClientSampleId :
78-64

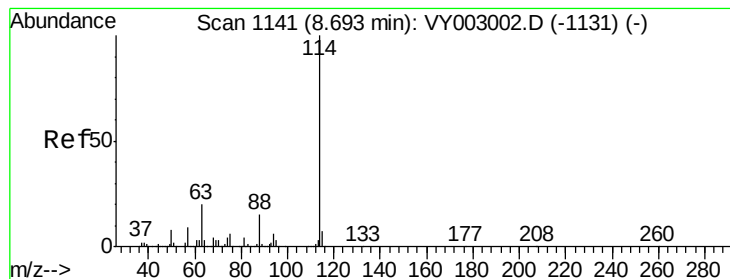
Tot Ion: 43 Resp: 10362
Ion Ratio Lower Upper
43 100
72 23.1 21.4 32.0



#33
1,2-Dichloroethane-d4
Concen: 56.659 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003011.D
Acq: 29 Jun 2020 17:07

Tgt Ion: 65 Resp: 185616
Ion Ratio Lower Upper
65 100
67 52.6 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: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

78-64

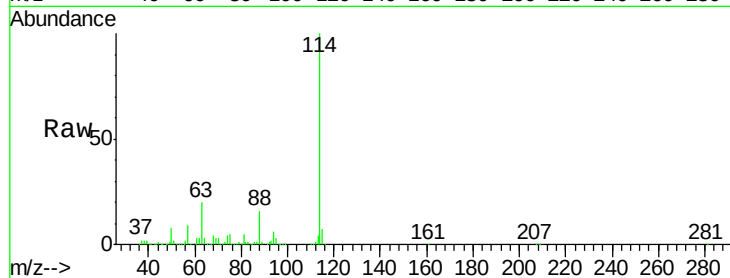
Tot Ion:114 Resp: 531407

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.6

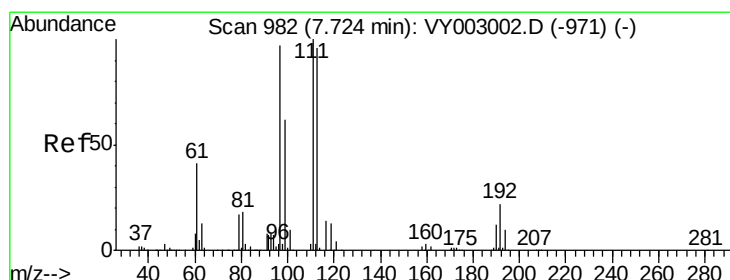
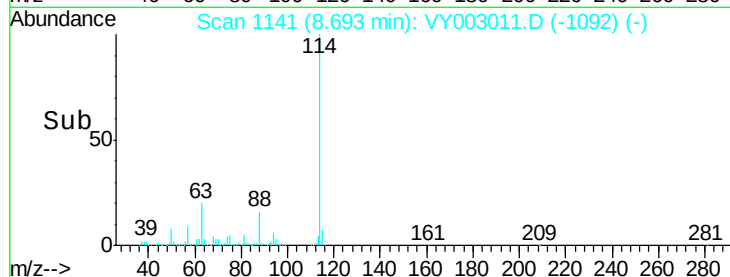
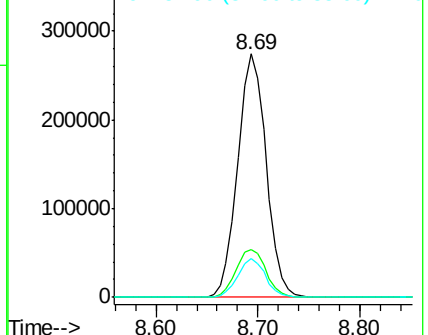
88 16.1 0.0 30.0



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: 52.156 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

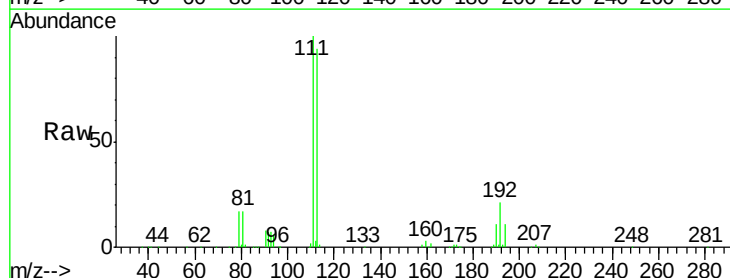
Tgt Ion:113 Resp: 172897

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

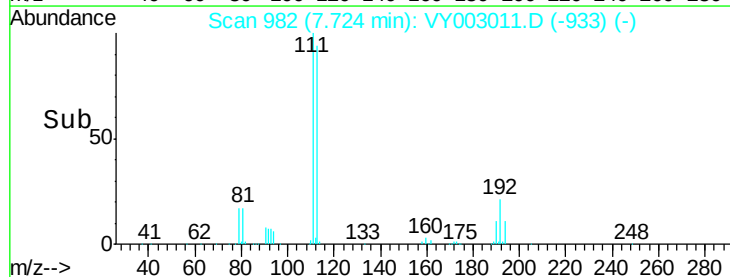
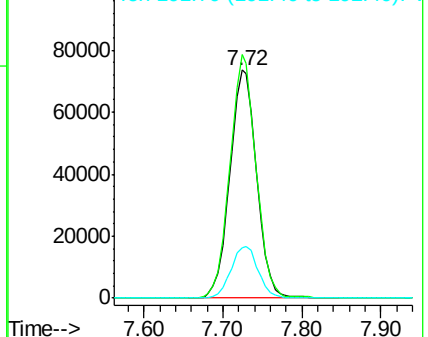
192 23.1 18.1 27.1

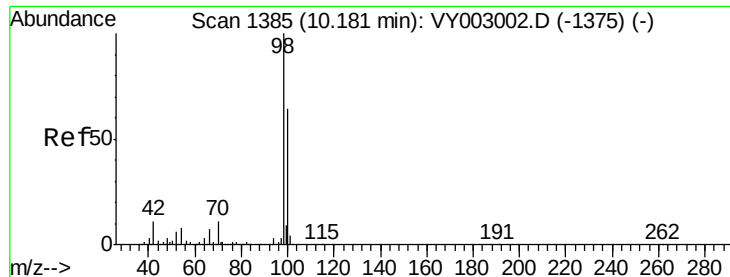


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.306 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

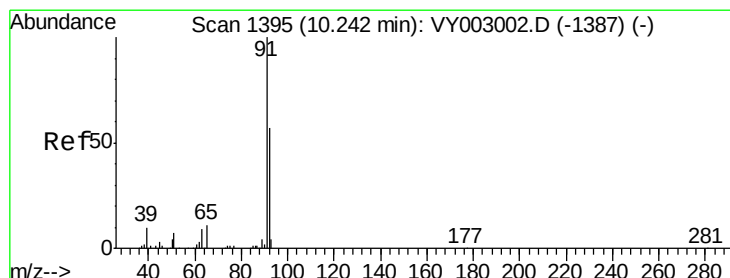
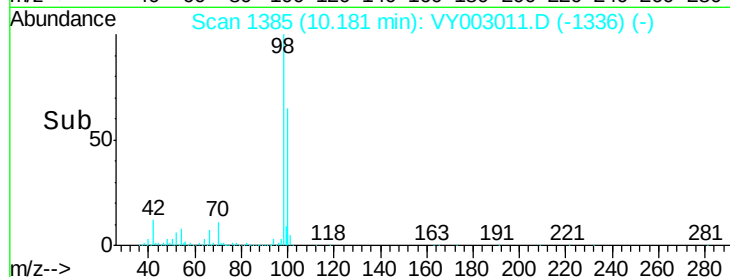
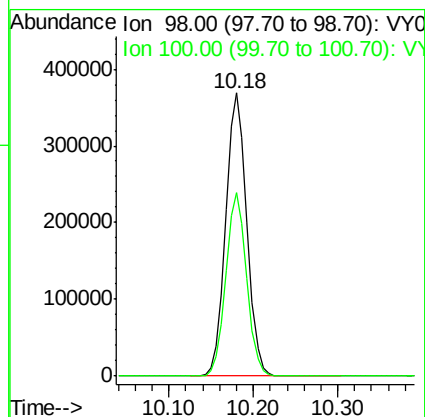
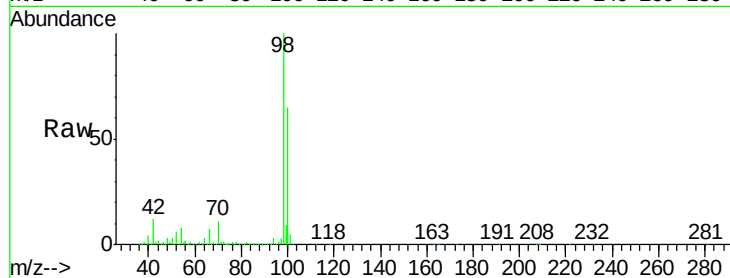
78-64

Tot Ion: 98 Resp: 633625

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#52

Toluene

Concen: 1.088 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY003011.D

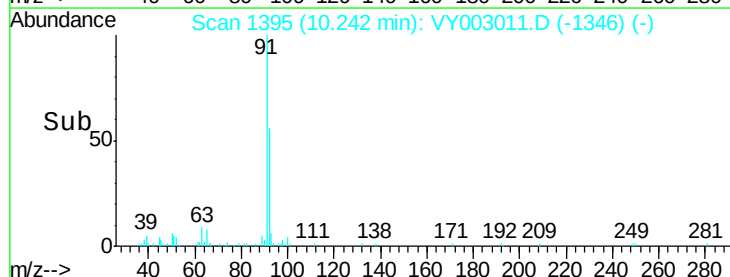
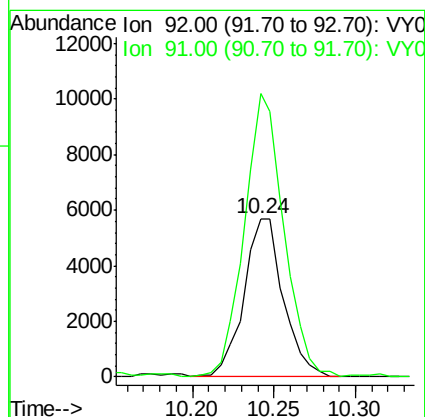
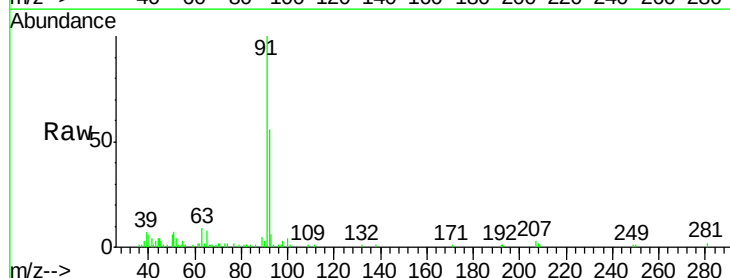
Acq: 29 Jun 2020 17:07

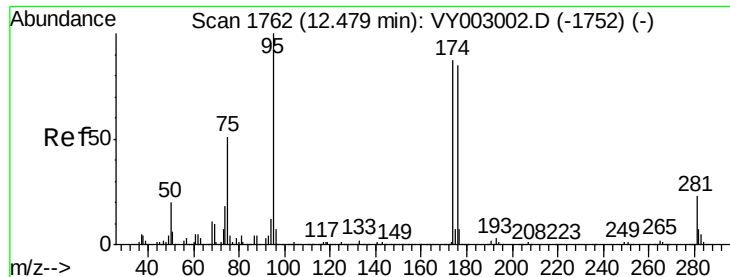
Tgt Ion: 92 Resp: 9599

Ion Ratio Lower Upper

92 100

91 179.2 139.6 209.4





#62

4-Bromofluorobenzene

Concen: 42.748 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

78-64

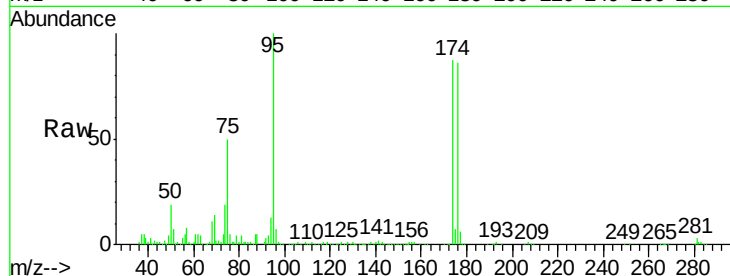
Tot Ion: 95 Resp: 185831

Ion Ratio Lower Upper

95 100

174 90.1 0.0 184.8

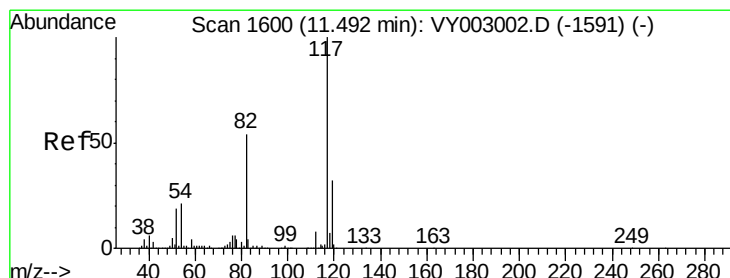
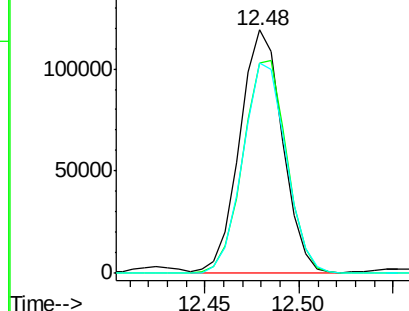
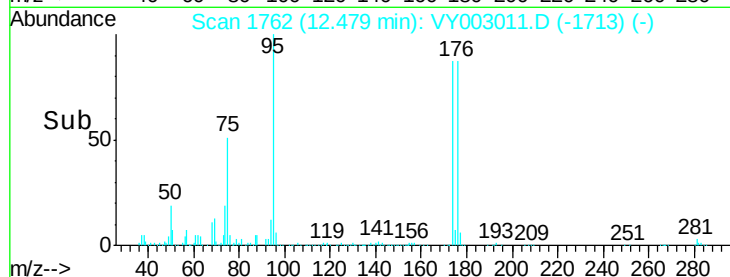
176 88.7 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003011.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003011.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003011.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

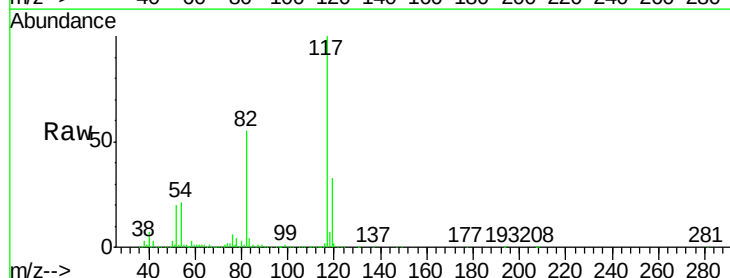
Tgt Ion: 117 Resp: 458260

Ion Ratio Lower Upper

117 100

82 54.6 43.0 64.6

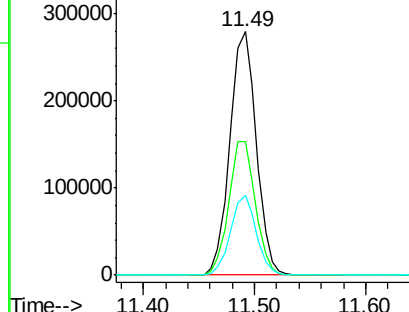
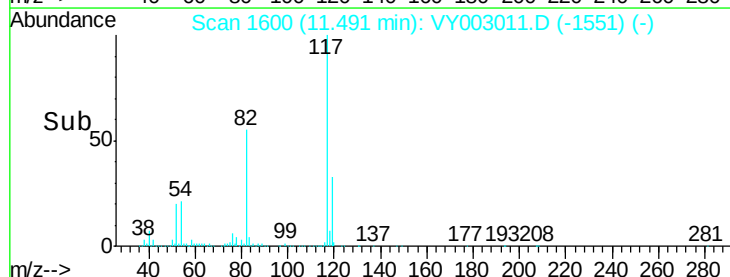
119 32.8 25.8 38.8

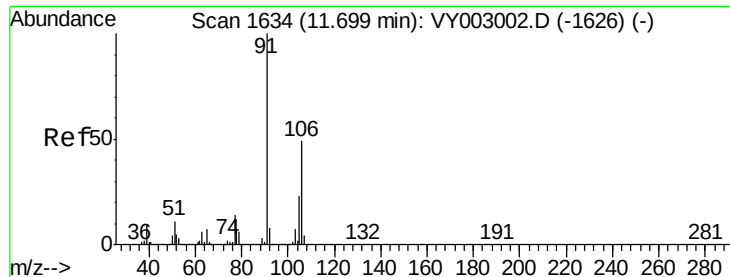


Abundance Ion 116.90 (116.60 to 117.60): VY003011.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003011.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003011.D (-1551) (-)

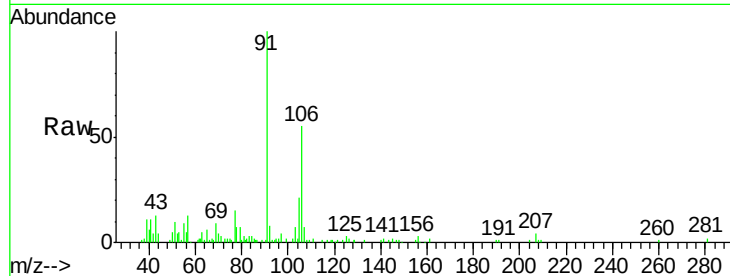




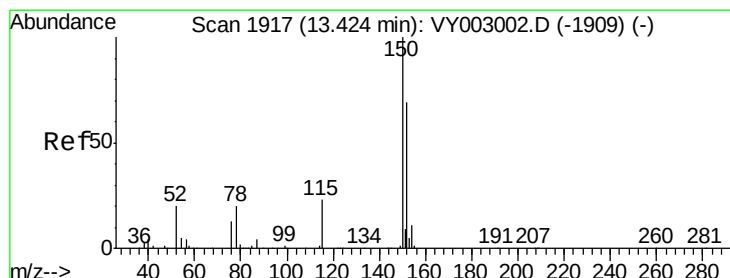
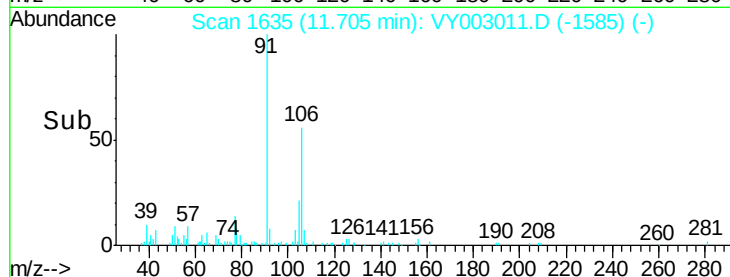
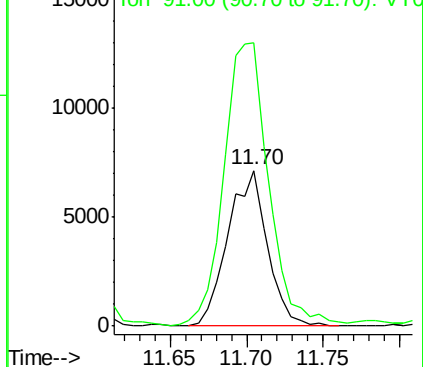
#68
m/p-Xvlenes
Concen: 2.067 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VY003011.D
Acq: 29 Jun 2020 17:07

Instrument :
MSVOA_Y
ClientSampleId :
78-64

Tot Ion:106 Resp: 12717
Ion Ratio Lower Upper
106 100
91 207.3 161.9 242.9

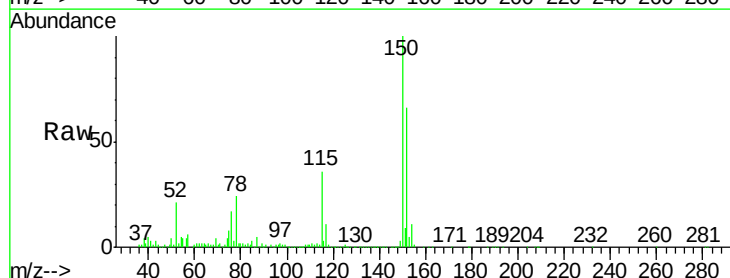


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

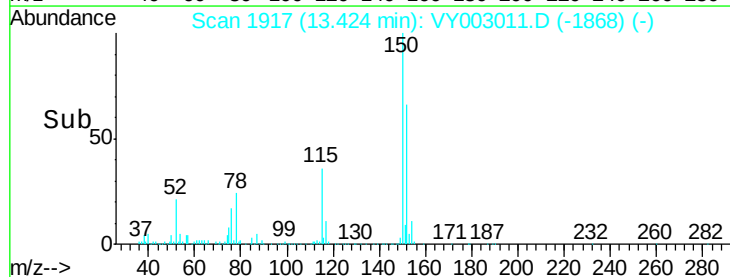
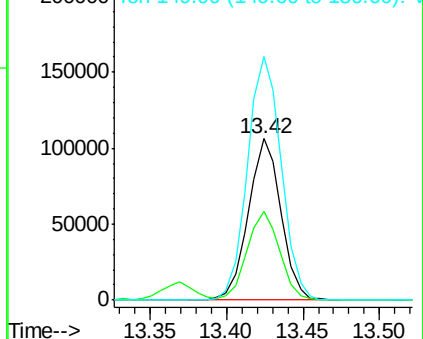


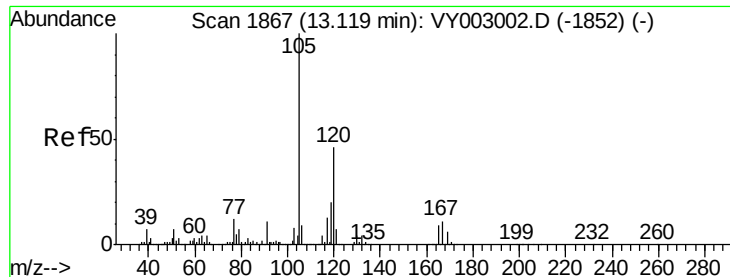
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003011.D
Acq: 29 Jun 2020 17:07

Tgt Ion:152 Resp: 157115
Ion Ratio Lower Upper
152 100
115 55.1 27.3 81.9
150 156.4 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





#84

1,2,4-Trimethylbenzene

Concen: 1.253 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003011.D

Acq: 29 Jun 2020 17:07

Instrument :

MSVOA_Y

ClientSampleId :

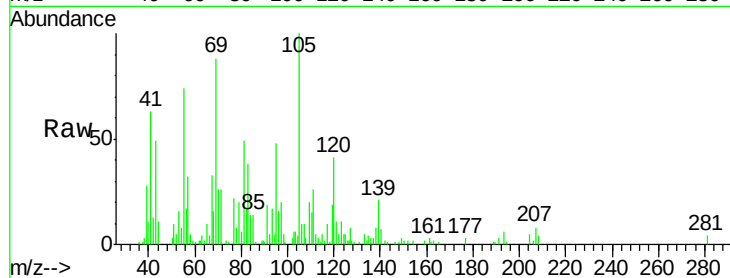
78-64

Tot Ion:105 Resp: 10891

Ion Ratio Lower Upper

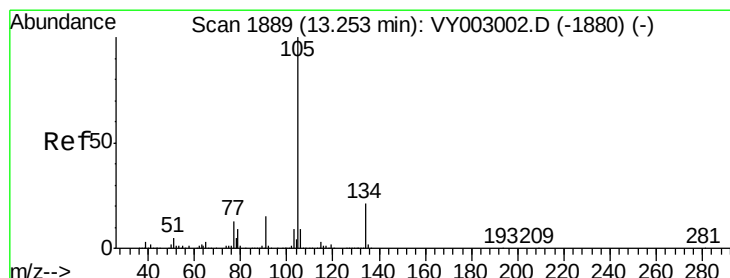
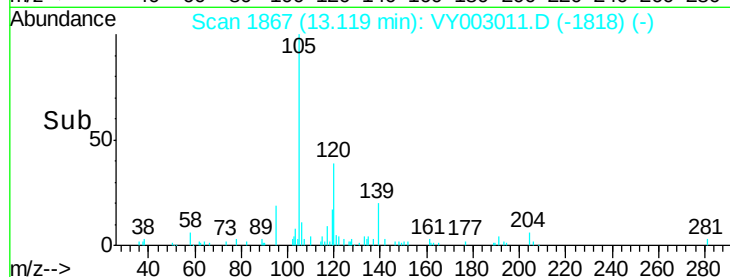
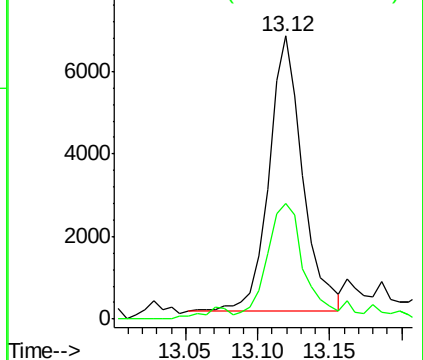
105 100

120 42.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.656 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY003011.D

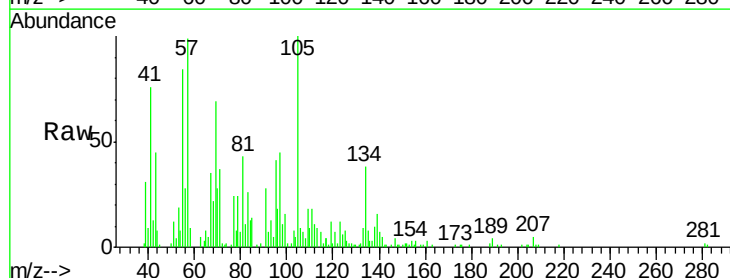
Acq: 29 Jun 2020 17:07

Tgt Ion:105 Resp: 17294

Ion Ratio Lower Upper

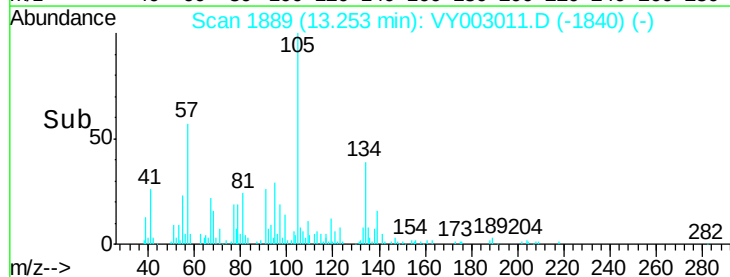
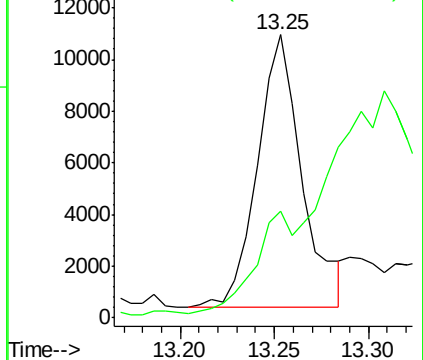
105 100

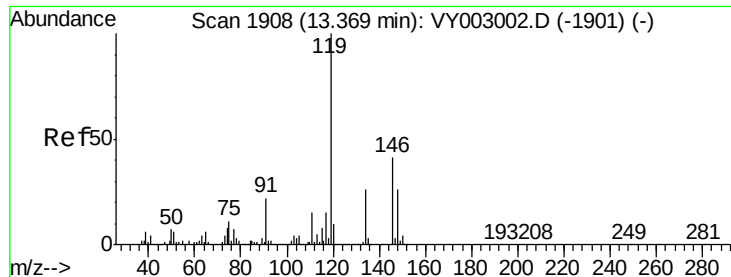
134 32.5 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

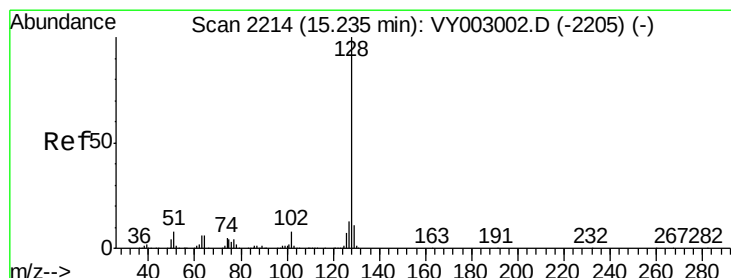
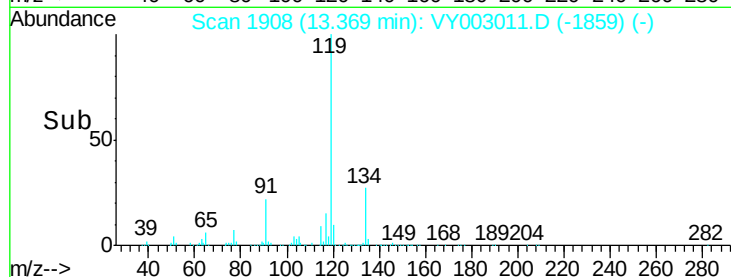
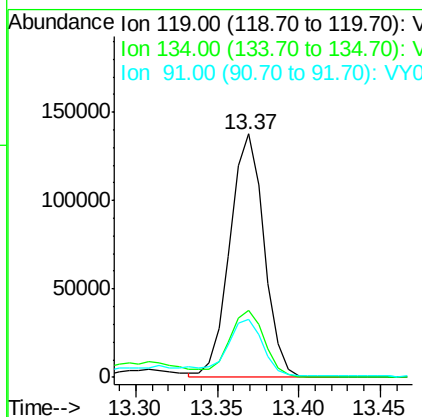
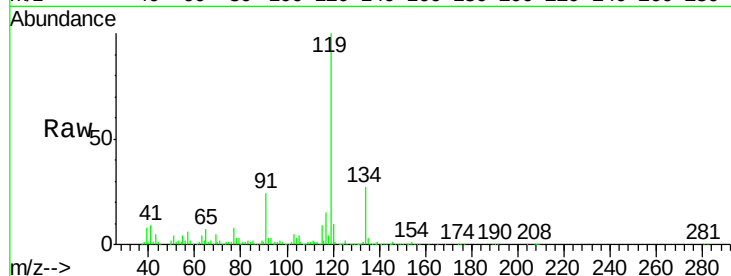




#86
 p-Isopropyltoluene
 Concen: 20.730 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY003011.D
 Acq: 29 Jun 2020 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 78-64

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.5	40.4
91	24.0	11.5	34.5



#95
 Naphthalene
 Concen: 1.737 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003011.D
 Acq: 29 Jun 2020 17:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	24.2	10.8	16.2#
129	12.4	8.8	13.2

