

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\
 Data File : VY001959.D
 Acq On : 12 Mar 2020 17:11
 Operator : SY/MD
 Sample : L1762-13
 Misc : 9.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-031220

Quant Time: Mar 13 07:04:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	166733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	316365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	264406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	91399	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	98224	55.18	ug/l	-0.01
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.74	113	93246	53.98	ug/l	-0.01
Spiked Amount			Recovery	=	107.96%	
50) Toluene-d8	10.19	98	375716	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.49	95	114656	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	

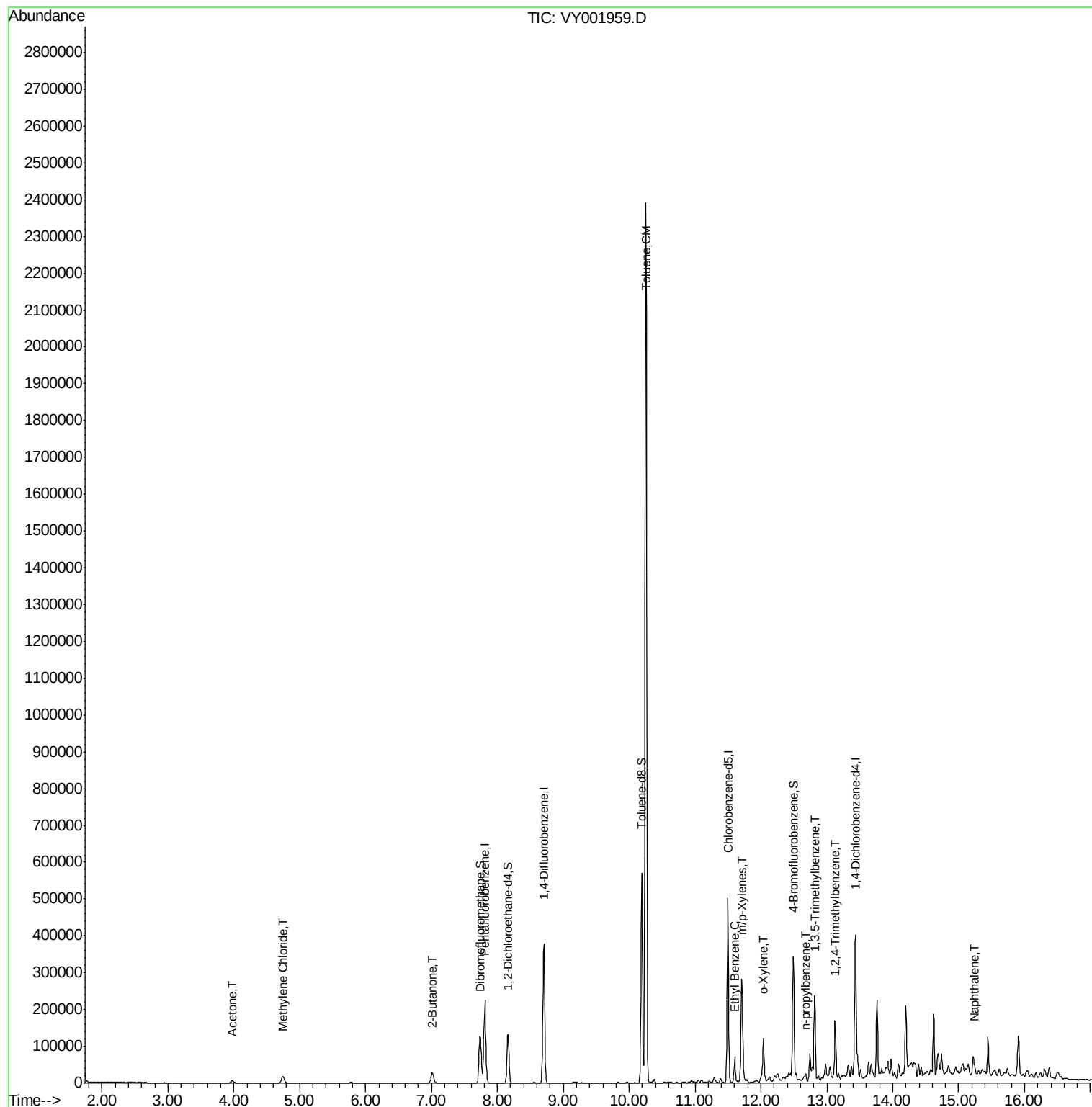
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	11076	21.364	ug/l	96
20) Methylene Chloride	4.74	84	13951	6.279	ug/l	98
25) 2-Butanone	7.01	43	49091	62.266	ug/l	96
52) Toluene	10.25	92	996078	181.711	ug/l	99
67) Ethyl Benzene	11.60	91	47637	4.848	ug/l	97
68) m/p-Xylenes	11.70	106	78051	21.486	ug/l	100
69) o-Xylene	12.04	106	30225	8.828	ug/l	99
78) n-propylbenzene	12.68	91	14800	1.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	33809	5.886	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	85888	15.067	ug/l	99
95) Naphthalene	15.25	128	14078	3.478	ug/l #	89

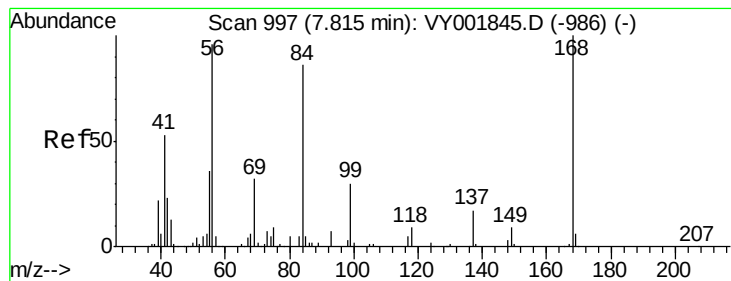
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 04:05:33 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: VY001959.D

Acq: 12 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

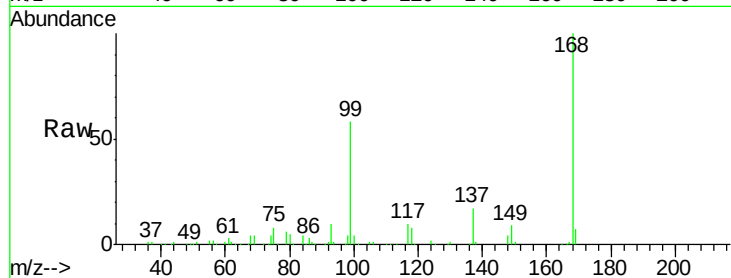
TR-04-031220

Tot Ion:168 Resp: 166733

Ion Ratio Lower Upper

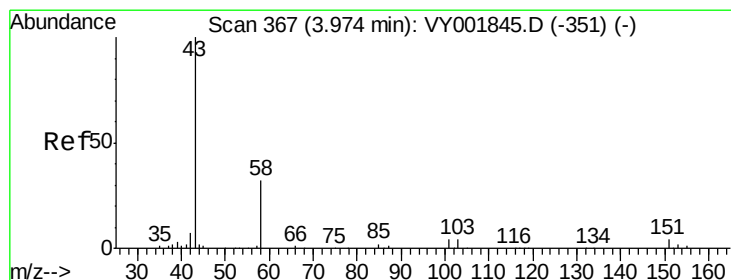
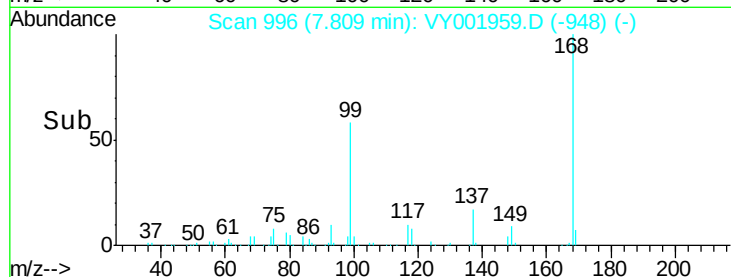
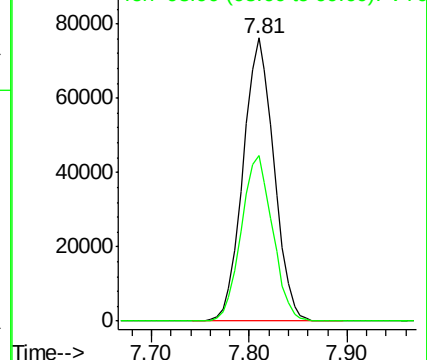
168 100

99 58.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#16

Acetone

Concen: 21.364 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001959.D

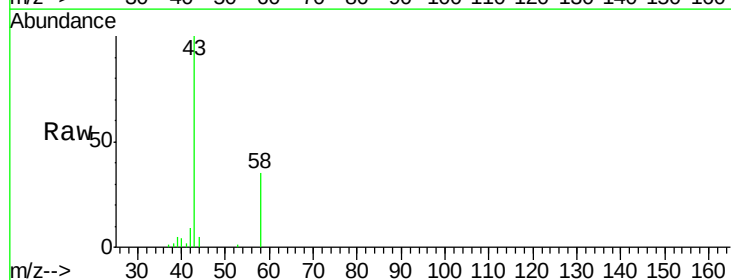
Acq: 12 Mar 2020 17:11

Tgt Ion: 43 Resp: 11076

Ion Ratio Lower Upper

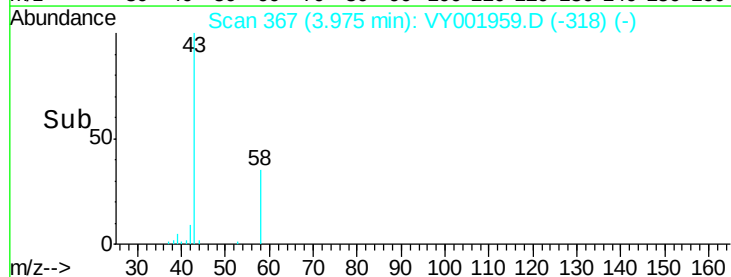
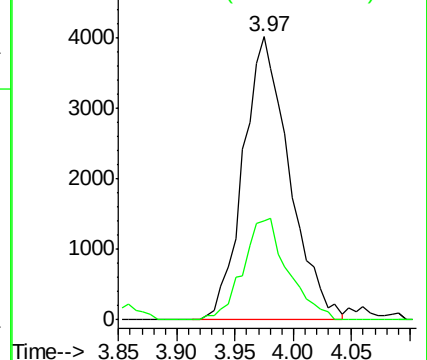
43 100

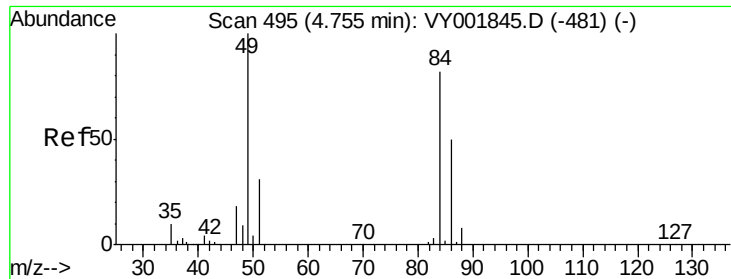
58 34.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

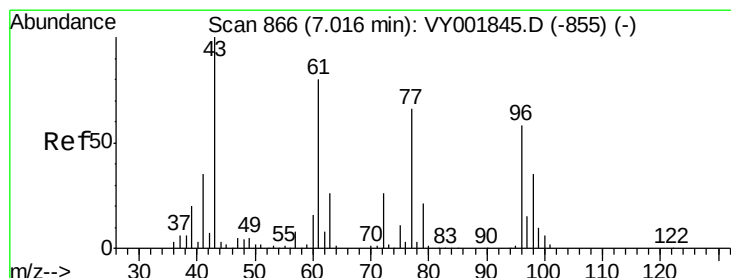
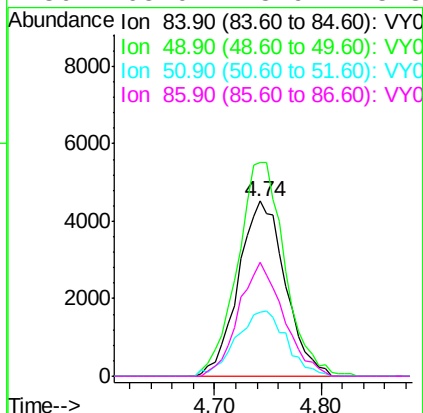
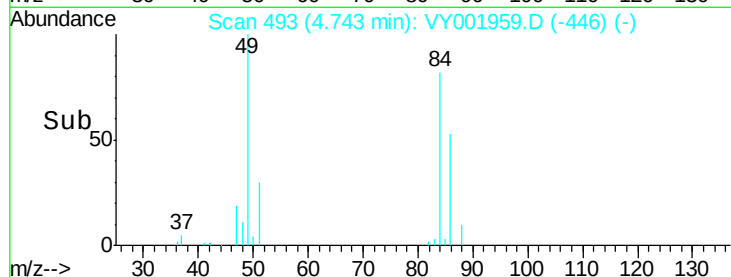
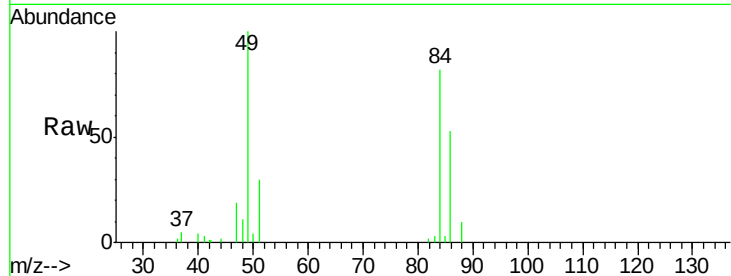




#20
Methylene Chloride
Concen: 6.279 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001959.D
Acq: 12 Mar 2020 17:11

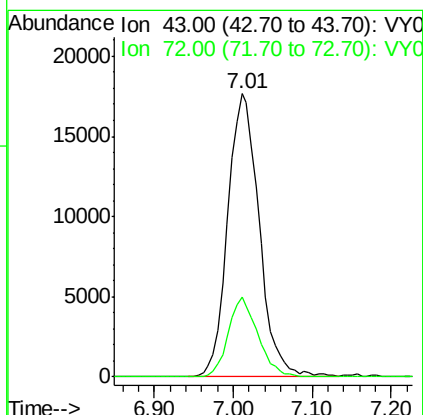
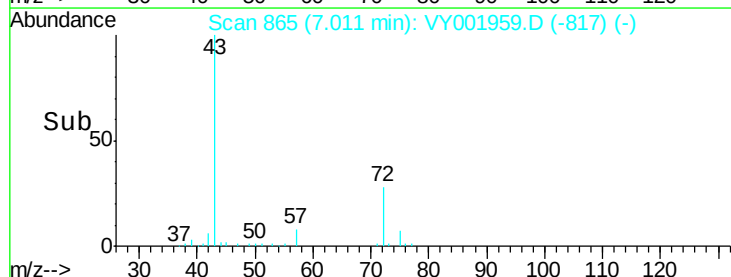
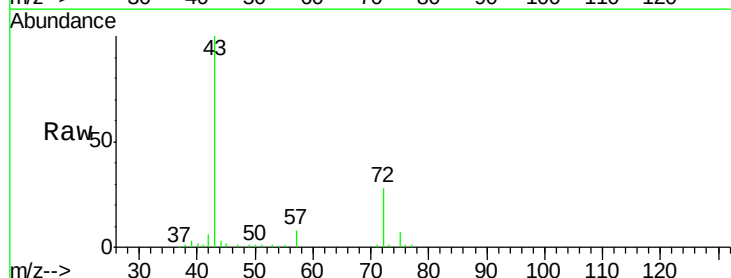
Instrument :
MSVOA_Y
ClientSampled :
TR-04-031220

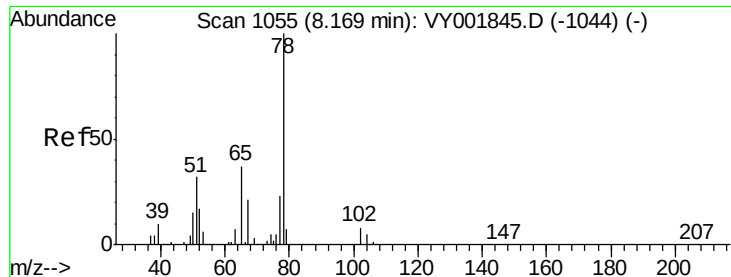
Tot Ion: 84 Resp: 13951
Ion Ratio Lower Upper
84 100
49 122.0 98.2 147.2
51 36.6 30.2 45.2
86 65.0 48.9 73.3



#25
2-Butanone
Concen: 62.266 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001959.D
Acq: 12 Mar 2020 17:11

Tgt Ion: 43 Resp: 49091
Ion Ratio Lower Upper
43 100
72 28.0 20.9 31.3

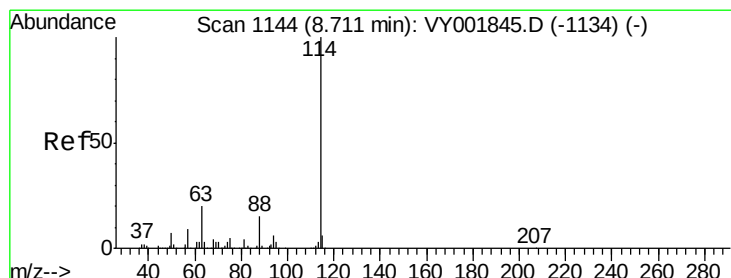
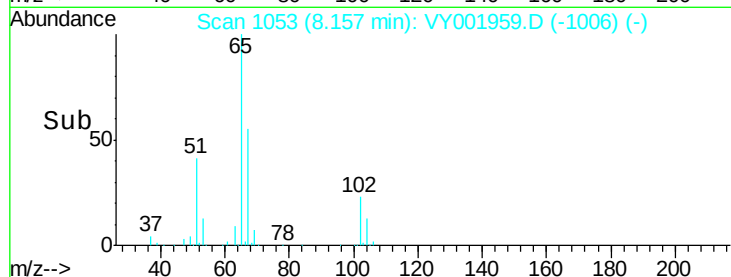
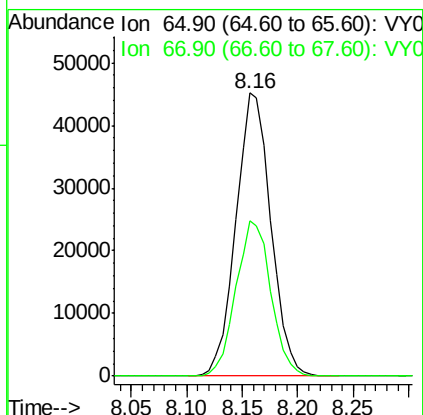
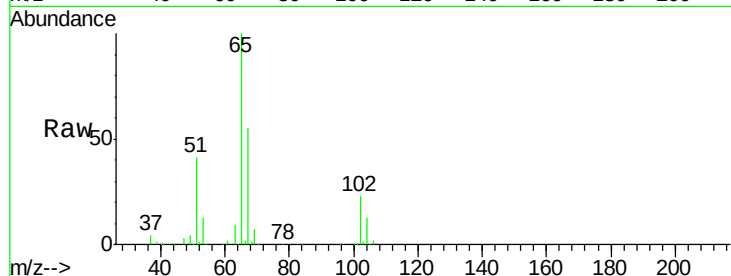




#33
 1,2-Dichloroethane-d4
 Concen: 55.182 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001959.D
 Acq: 12 Mar 2020 17:11

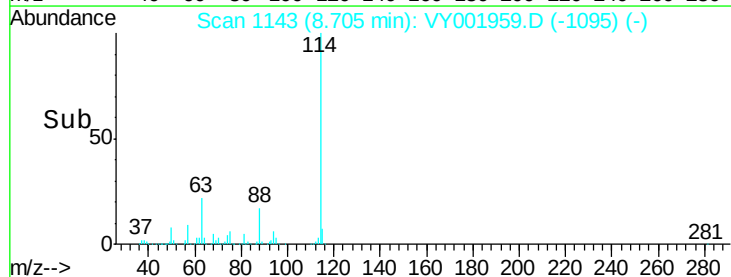
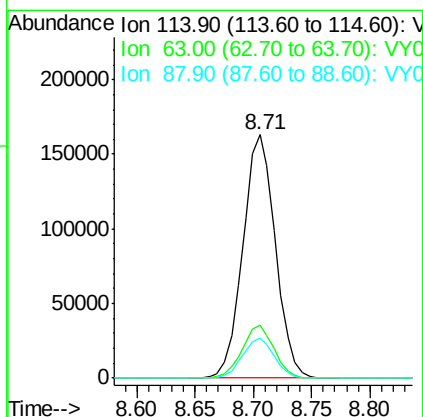
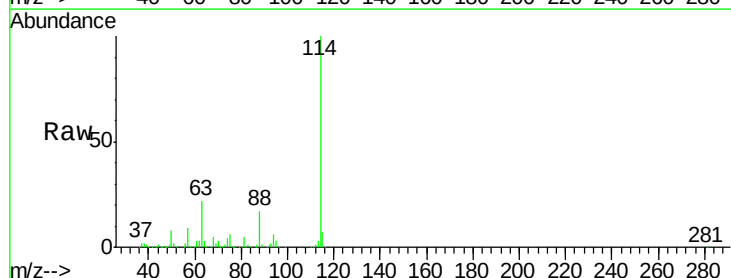
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-031220

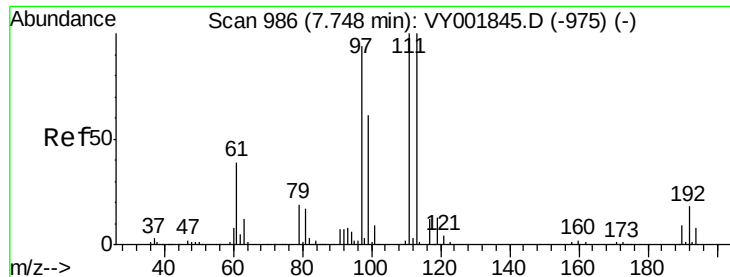
Tot Ion: 65 Resp: 98224
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001959.D
 Acq: 12 Mar 2020 17:11

Tgt Ion: 114 Resp: 316365
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.4
 88 16.7 0.0 30.4

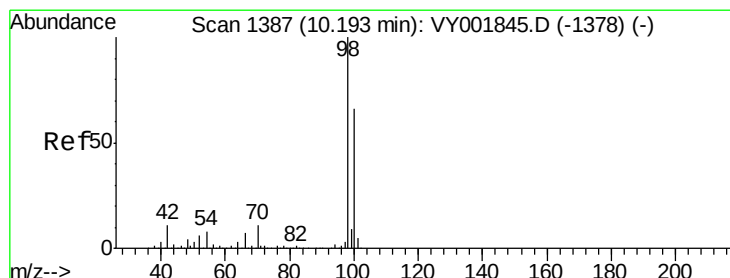
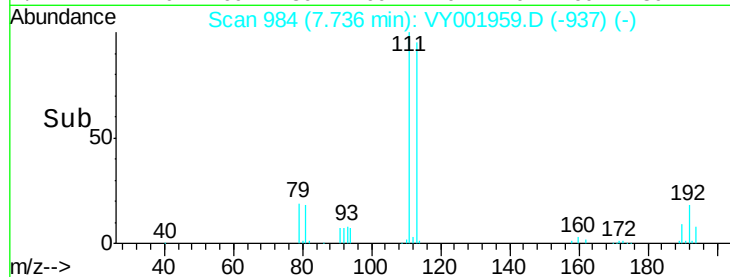
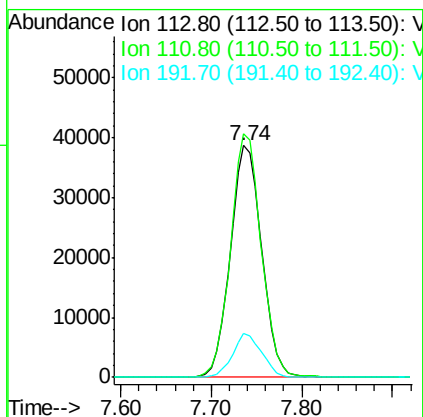
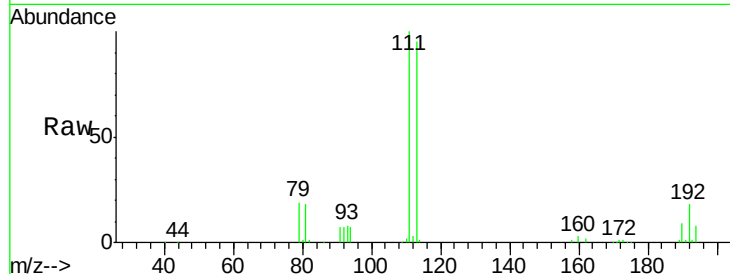




#35
 Dibromofluoromethane
 Concen: 53.978 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001959.D
 Acq: 12 Mar 2020 17:11

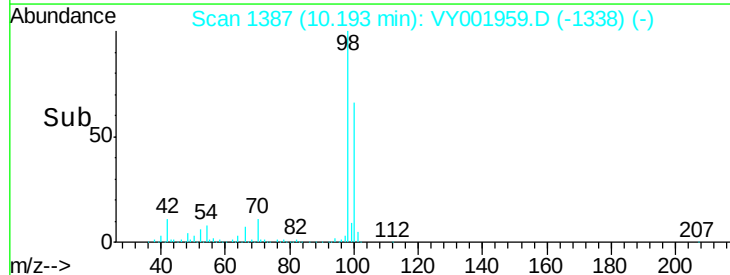
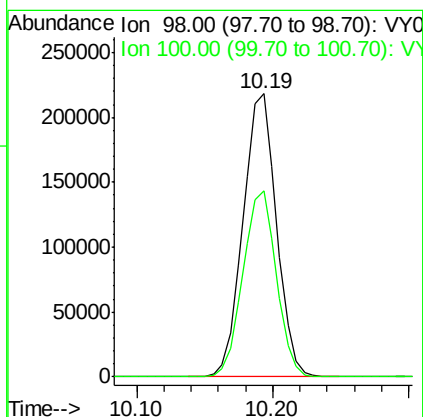
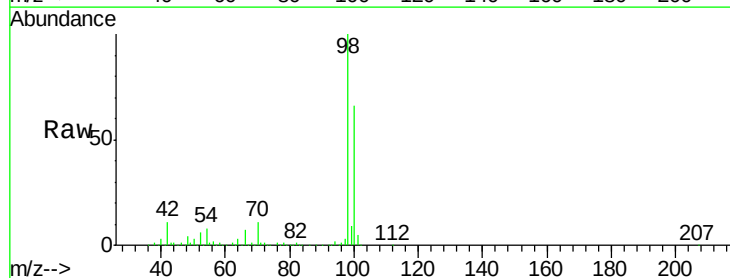
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-04-031220

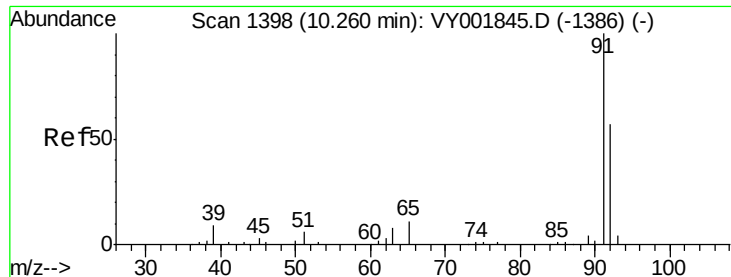
Tot Ion:113 Resp: 93246
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 17.6 14.2 21.2



#50
 Toluene-d8
 Concen: 51.577 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VY001959.D
 Acq: 12 Mar 2020 17:11

Tgt Ion: 98 Resp: 375716
 Ion Ratio Lower Upper
 98 100
 100 65.5 53.0 79.4





#52

Toluene

Concen: 181.711 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VY001959.D

Acq: 12 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

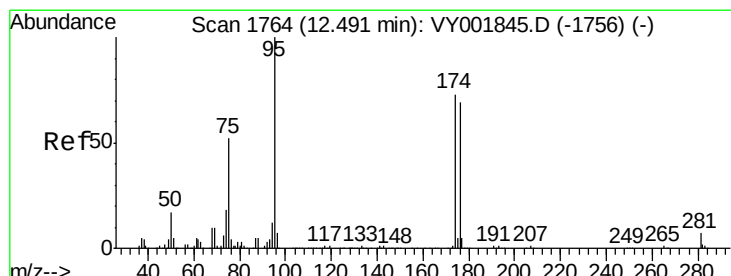
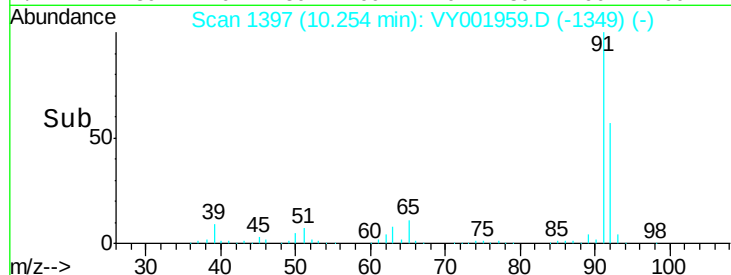
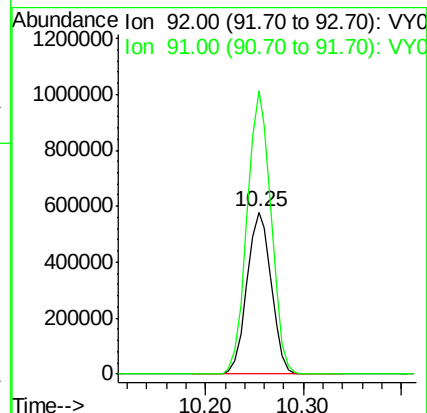
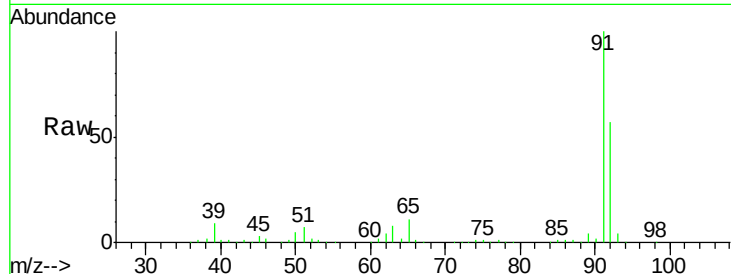
TR-04-031220

Tot Ion: 92 Resp: 996078

Ion Ratio Lower Upper

92 100

91 172.4 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 45.266 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001959.D

Acq: 12 Mar 2020 17:11

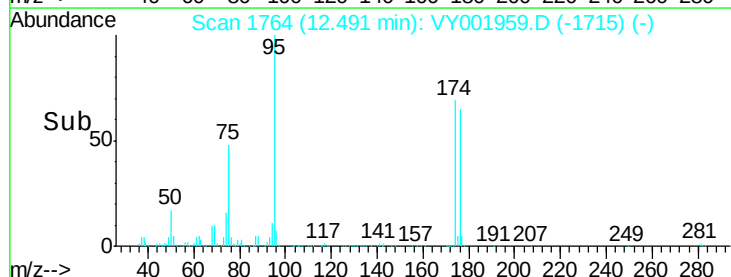
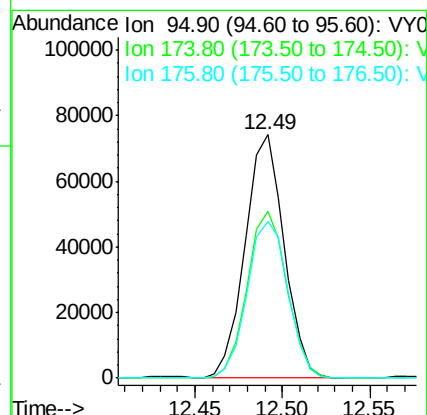
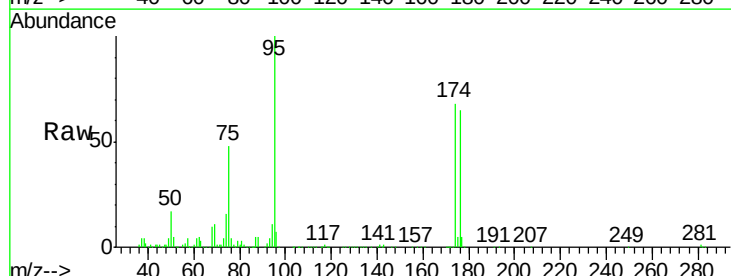
Tgt Ion: 95 Resp: 114656

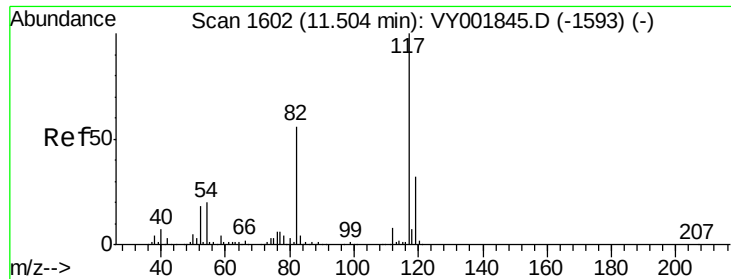
Ion Ratio Lower Upper

95 100

174 70.3 0.0 145.0

176 67.7 0.0 137.4

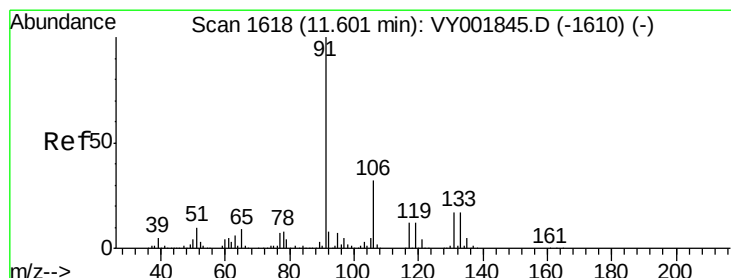
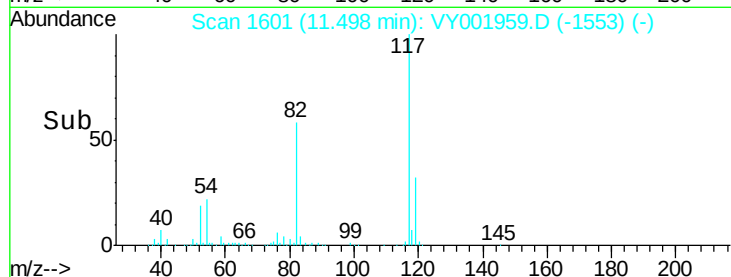
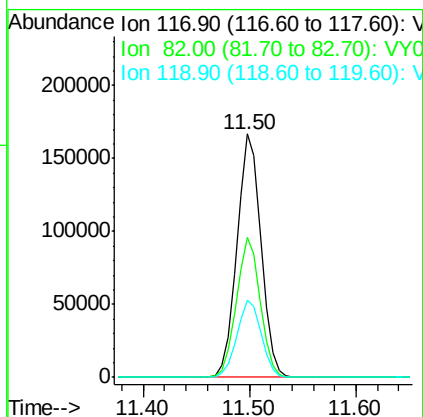
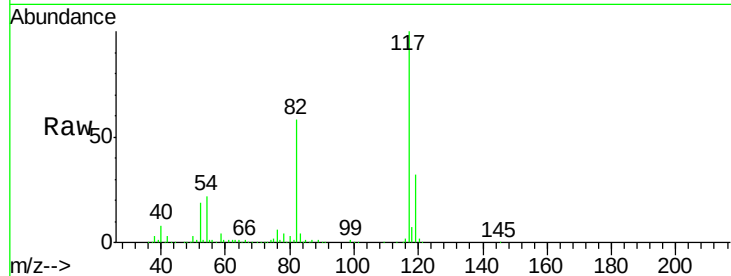




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001959.D
Acq: 12 Mar 2020 17:11

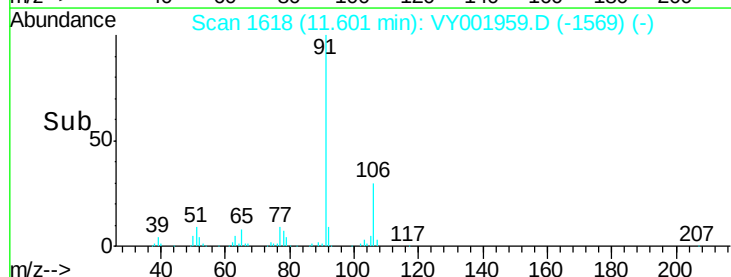
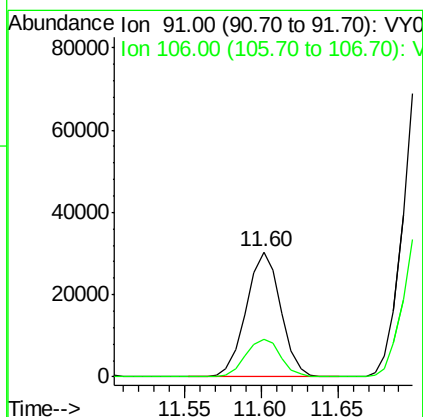
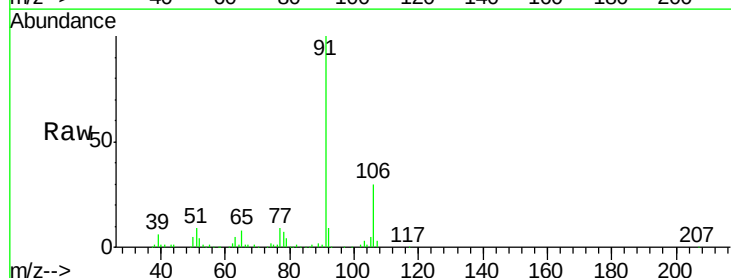
Instrument :
MSVOA_Y
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TR-04-031220

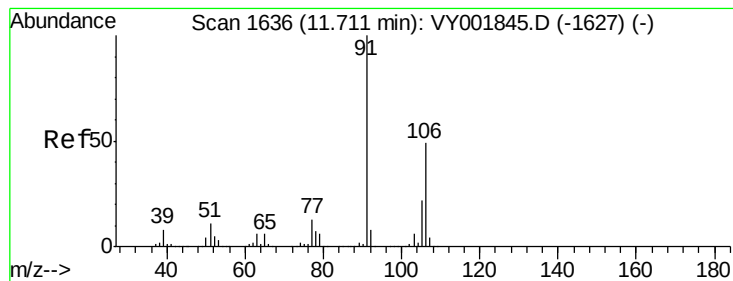
Tot Ion:117 Resp: 264406
Ion Ratio Lower Upper
117 100
82 57.5 44.5 66.7
119 31.6 25.7 38.5



#67
Ethyl Benzene
Concen: 4.848 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001959.D
Acq: 12 Mar 2020 17:11

Tgt Ion: 91 Resp: 47637
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2





#68

m/p-Xylenes

Concen: 21.486 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001959.D

Acq: 12 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

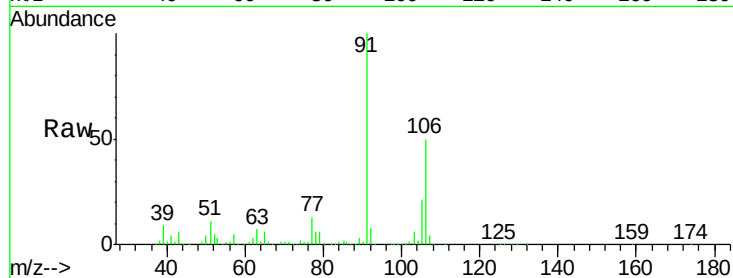
TR-04-031220

Tot Ion:106 Resp: 78051

Ion Ratio Lower Upper

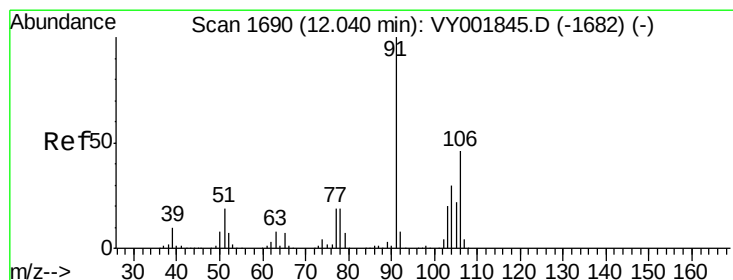
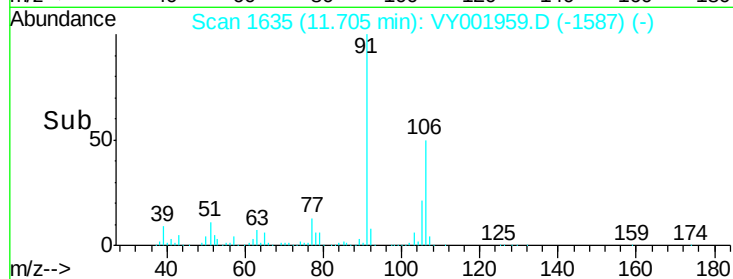
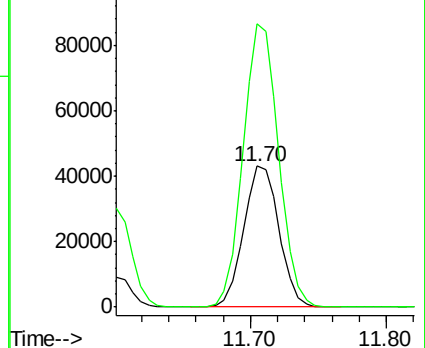
106 100

91 201.1 161.3 241.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 8.828 ug/l

RT: 12.04 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VY001959.D

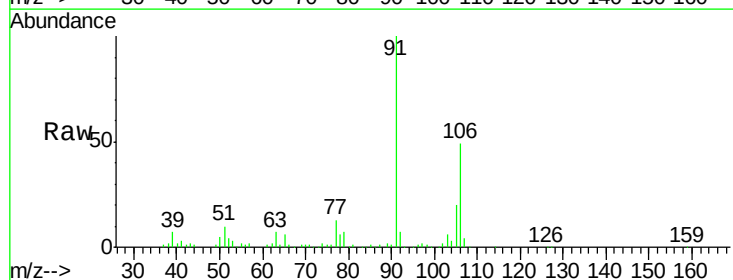
Acq: 12 Mar 2020 17:11

Tgt Ion:106 Resp: 30225

Ion Ratio Lower Upper

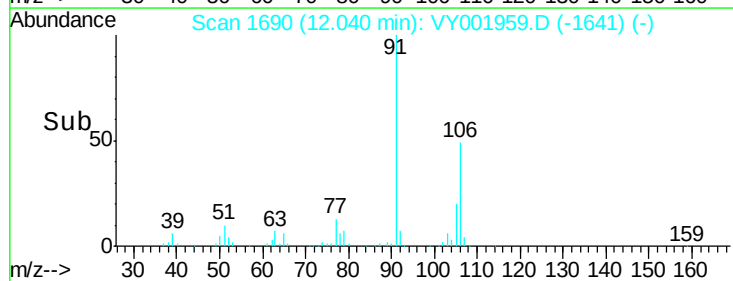
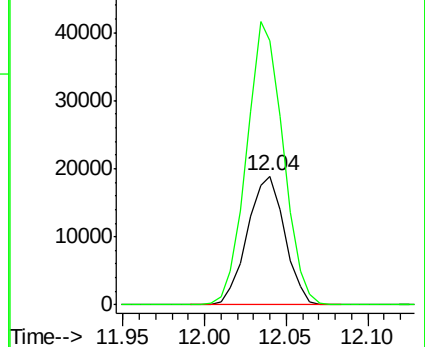
106 100

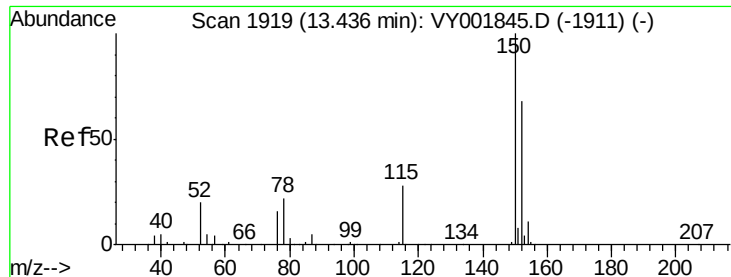
91 214.7 106.8 320.4



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. 0.00 min

Lab File: VY001959.D

Acq: 12 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampleId :

TR-04-031220

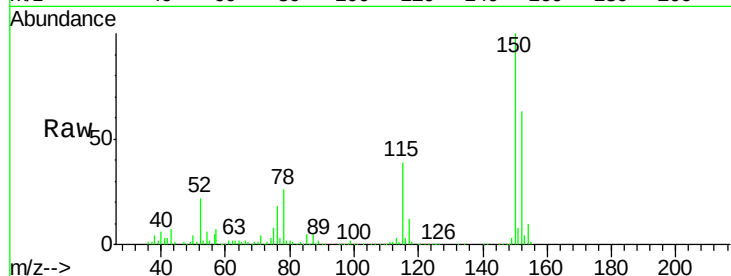
Tot Ion:152 Resp: 91399

Ion Ratio Lower Upper

152 100

115 63.4 29.9 89.7

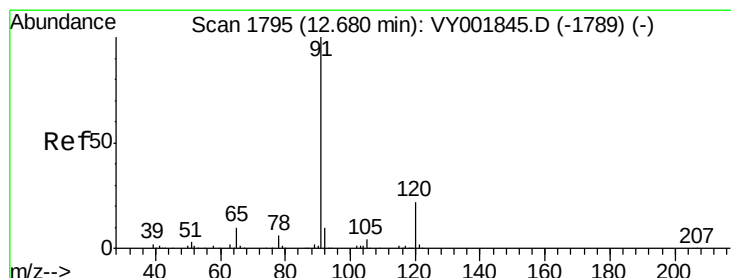
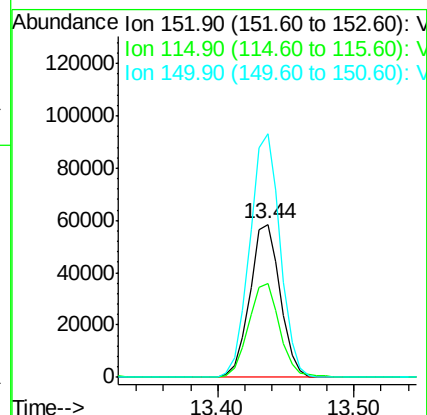
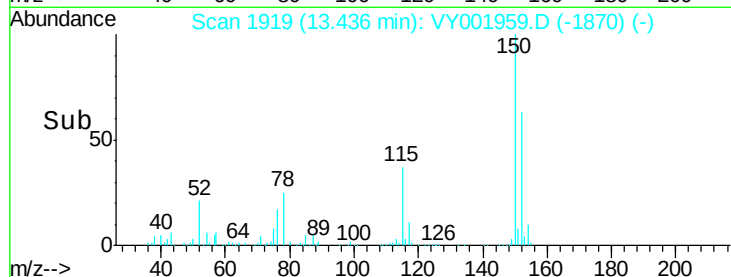
150 159.1 0.0 340.6



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



#78

n-propylbenzene

Concen: 1.719 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001959.D

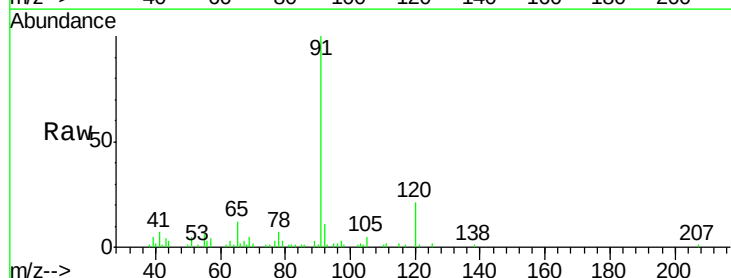
Acq: 12 Mar 2020 17:11

Tgt Ion: 91 Resp: 14800

Ion Ratio Lower Upper

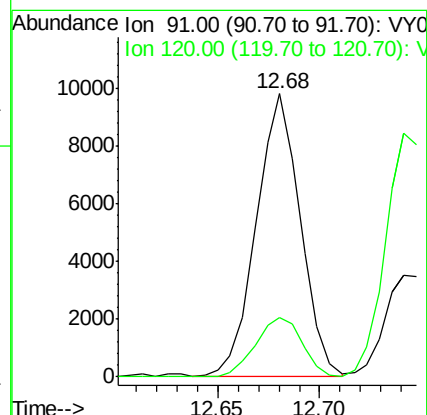
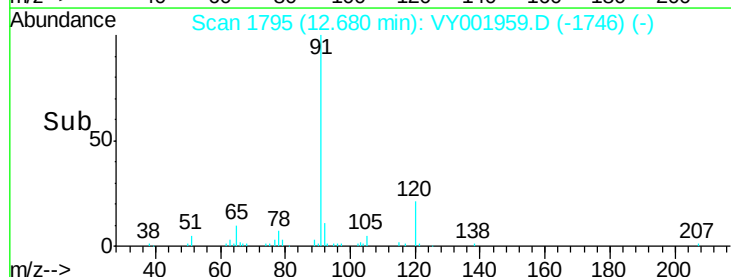
91 100

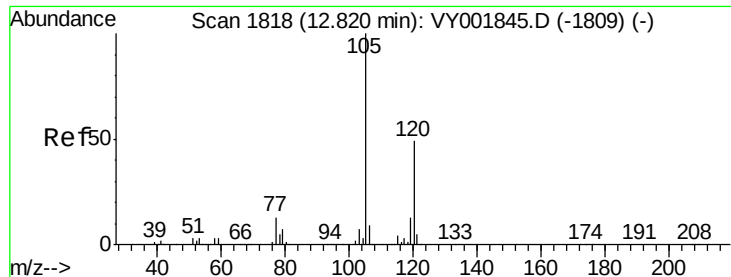
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.886 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001959.D

Acq: 12 Mar 2020 17:11

Instrument :

MSVOA_Y

ClientSampled :

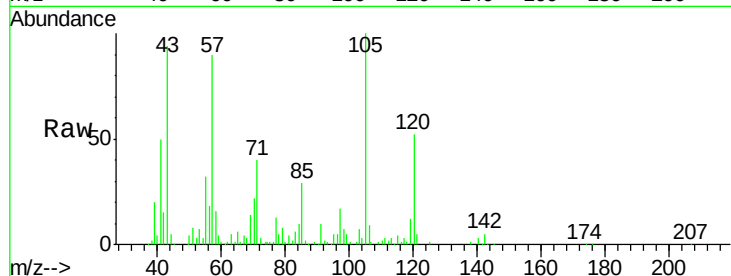
TR-04-031220

Tot Ion:105 Resp: 33809

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.82

25000

20000

15000

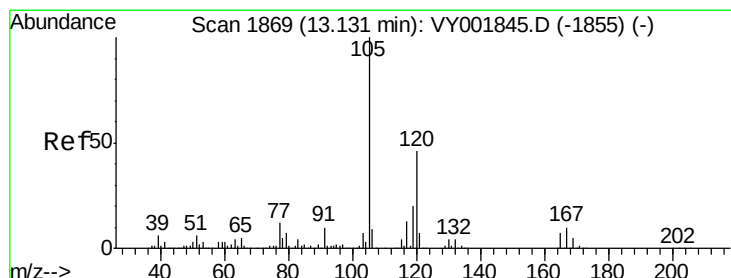
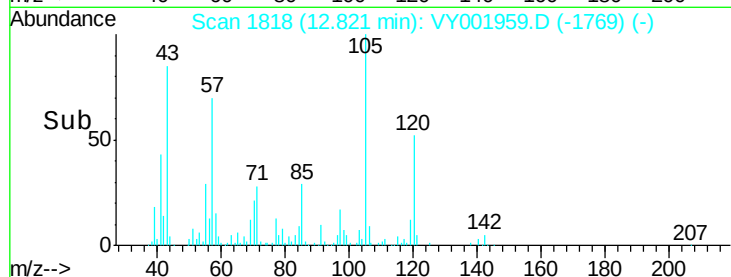
10000

5000

0

Time-->

12.80 12.85



#84

1,2,4-Trimethylbenzene

Concen: 15.067 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY001959.D

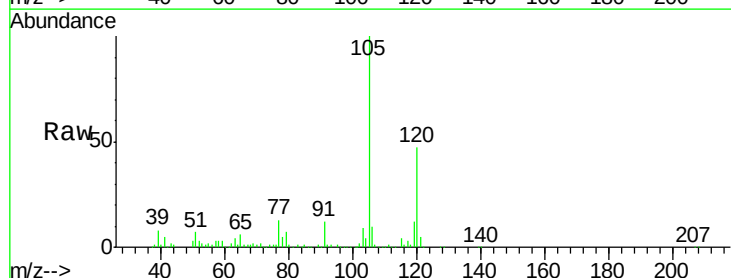
Acq: 12 Mar 2020 17:11

Tgt Ion:105 Resp: 85888

Ion Ratio Lower Upper

105 100

120 45.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.13

60000

50000

40000

30000

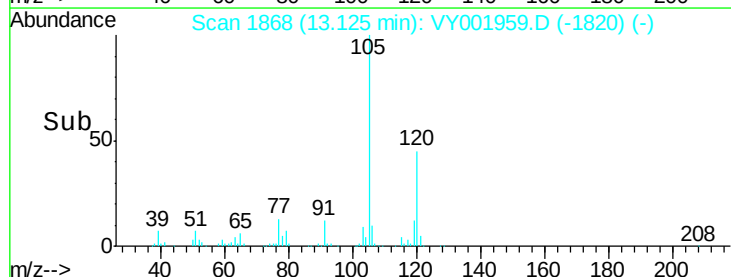
20000

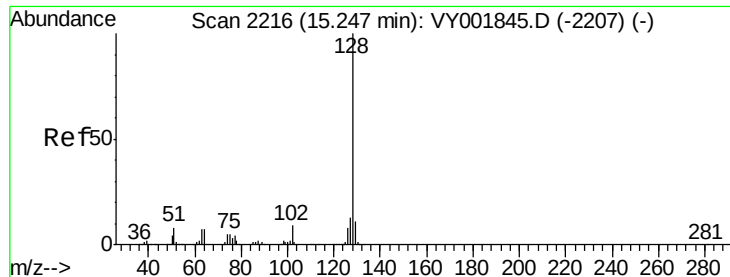
10000

0

Time-->

13.10 13.20

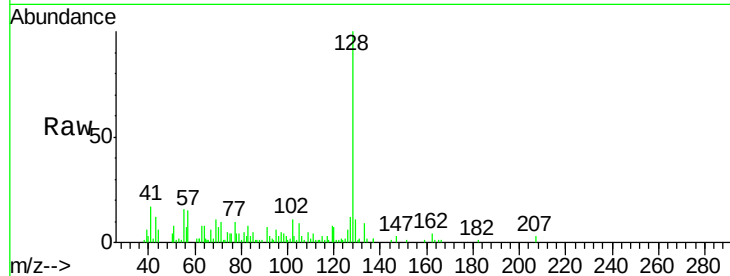




#95
Naphthalene
Concen: 3.478 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001959.D
Acq: 12 Mar 2020 17:11

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-031220

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.1	15.1#
129	14.7	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

