

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
 Data File : VY002766.D
 Acq On : 27 May 2020 16:02
 Operator : SY/MD
 Sample : L2776-01
 Misc : 5.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 351

Quant Time: May 28 04:43:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

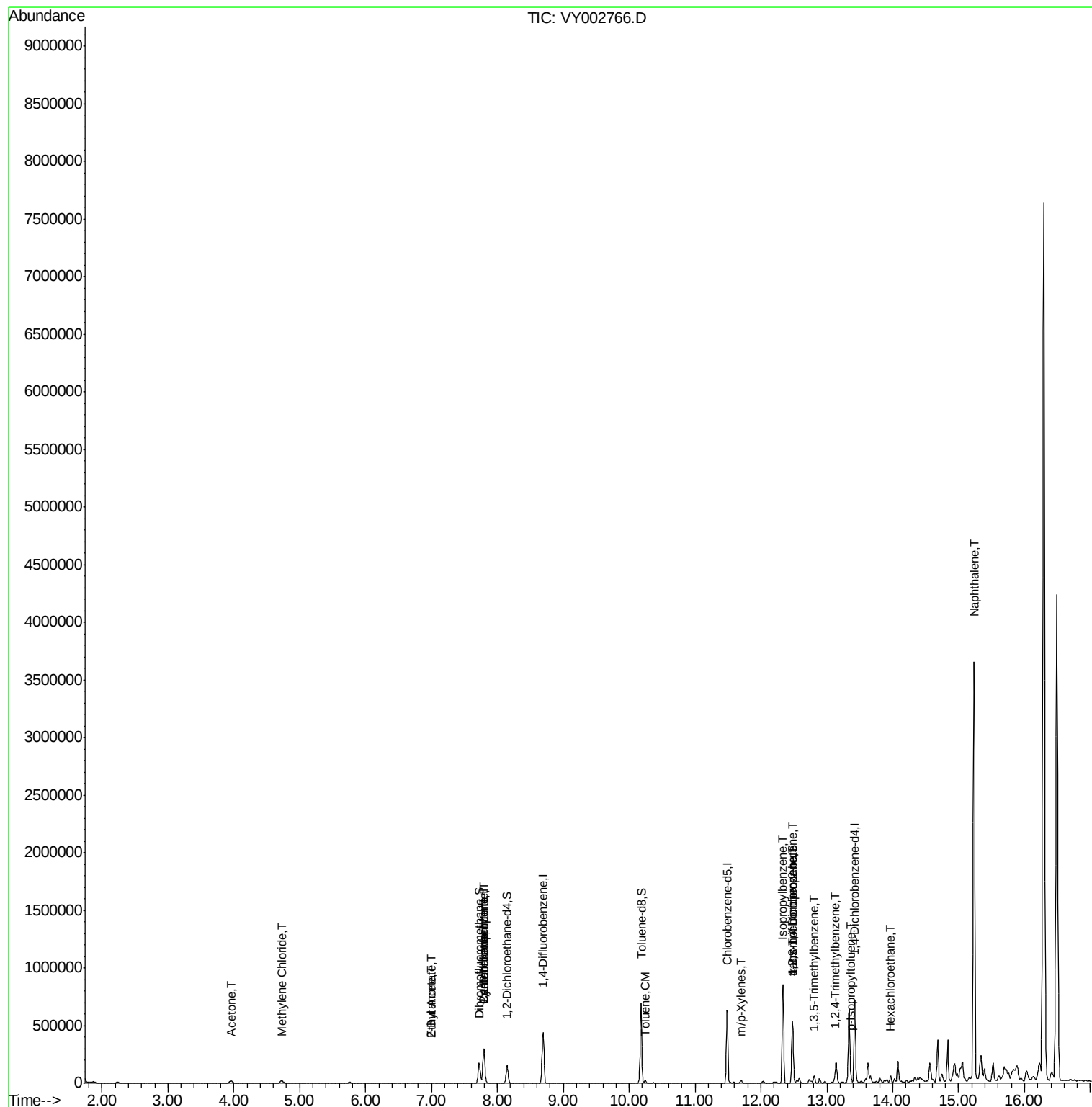
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	251750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	399650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	371707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195785	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	123313	56.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.82%	
35) Dibromofluoromethane	7.72	113	120817	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.18	98	474987	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.48	95	163156	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.95	59	52	Below Cal	#	74
16) Acetone	3.95	43	36391	70.998	ug/l	97
18) Methyl Acetate	4.48	43	243	Below Cal	#	66
20) Methylene Chloride	4.73	84	16830	6.719	ug/l	93
25) 2-Butanone	7.00	43	5218	6.534	ug/l	99
31) Cyclohexane	7.79	56	3904	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	15462	4.593	ug/l #	48
37) Ethyl Acetate	7.00	43	5218	2.849	ug/l #	68
38) Carbon Tetrachloride	7.79	117	22145	5.921	ug/l #	16
52) Toluene	10.25	92	8762	1.346	ug/l	97
68) m/p-Xylenes	11.70	106	6985	1.414	ug/l	94
73) Isopropylbenzene	12.33	105	42031	3.350	ug/l #	63
76) 1,2,3-Trichloropropane	12.48	75	79420	45.019	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	20582	1.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	79420	84.815	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.12	105	31186	2.961	ug/l	84
86) p-Isopropyltoluene	13.37	119	29950	2.519	ug/l #	78
90) Hexachloroethane	13.97	117	3346	1.503	ug/l #	8
95) Naphthalene	15.23	128	3079482	363.075	ug/l	100

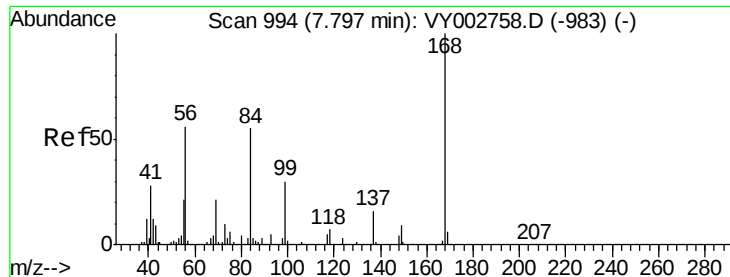
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052720\
Data File : VY002766.D
Acq On : 27 May 2020 16:02
Operator : SY/MD
Sample : L2776-01
Misc : 5.56G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
351

Quant Time: May 28 04:43:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

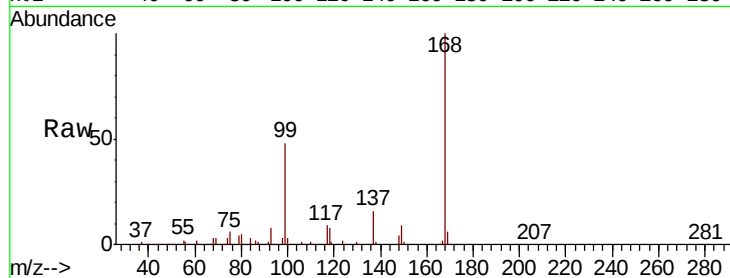
351

Tot Ion:168 Resp: 251750

Ion Ratio Lower Upper

168 100

99 47.6 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

120000

100000

80000

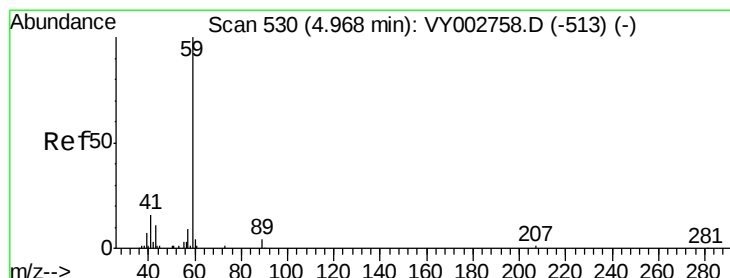
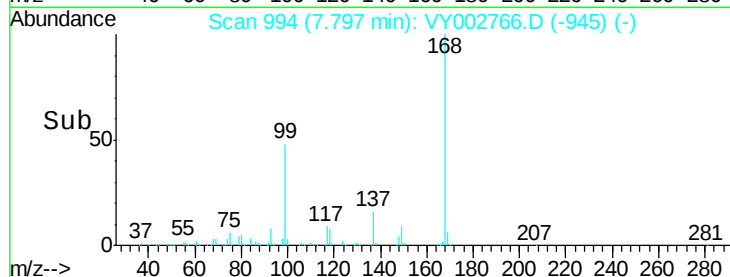
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002766.D

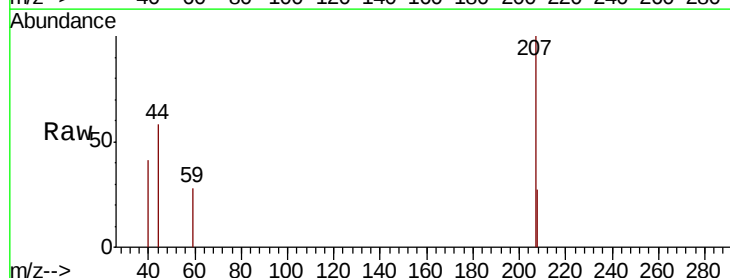
Acq: 27 May 2020 16:02

Tgt Ion: 59 Resp: 52

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.95

80

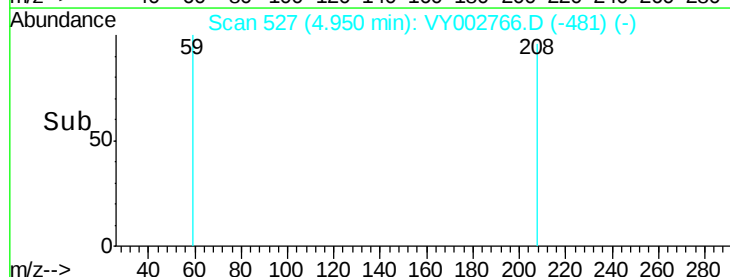
60

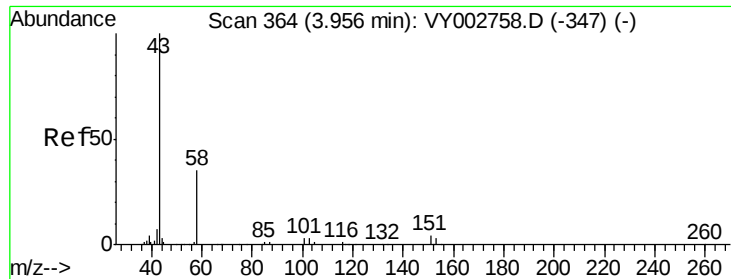
40

20

0

Time-->





#16

Acetone

Concen: 70.998 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampled :

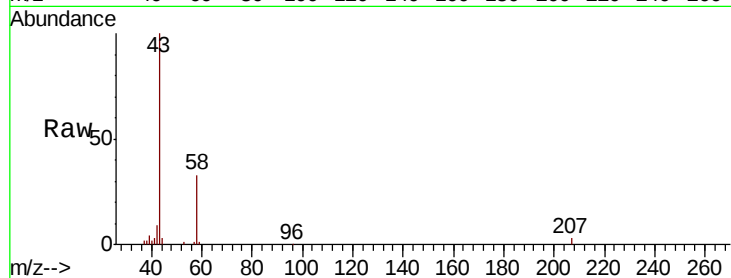
351

Tot Ion: 43 Resp: 36391

Ion Ratio Lower Upper

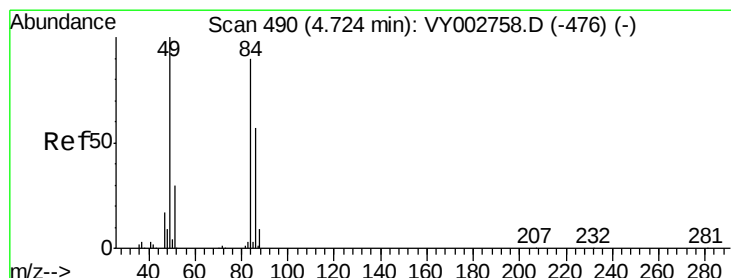
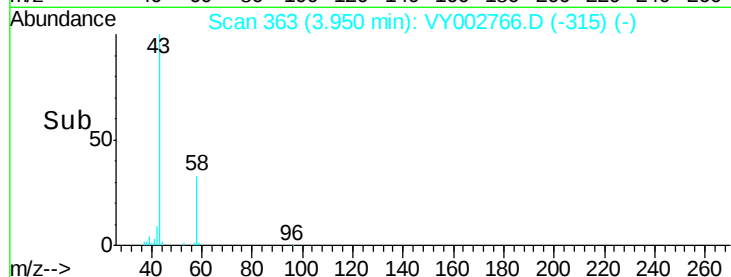
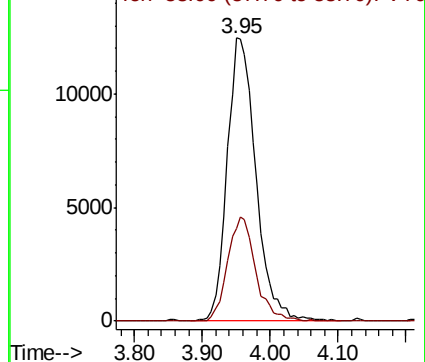
43 100

58 32.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002758.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002758.D (-347) (-)



#20

Methylene Chloride

Concen: 6.719 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Tgt Ion: 84 Resp: 16830

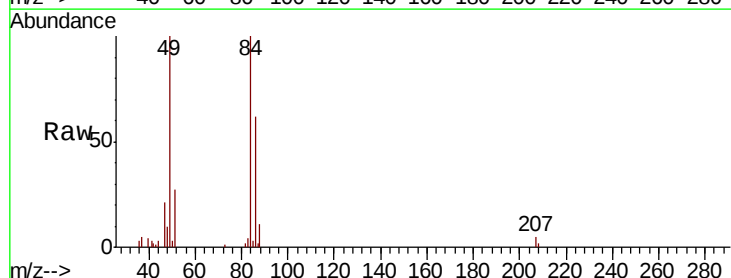
Ion Ratio Lower Upper

84 100

49 100.4 88.5 132.7

51 27.4 26.8 40.2

86 62.7 50.6 75.8

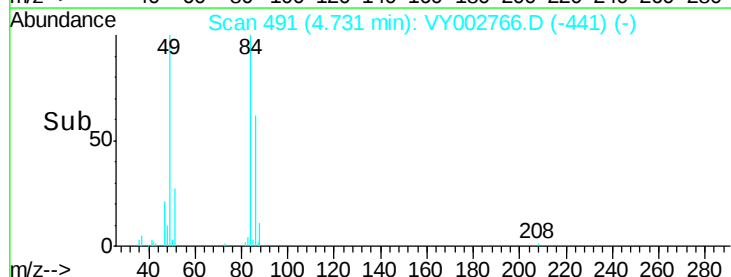
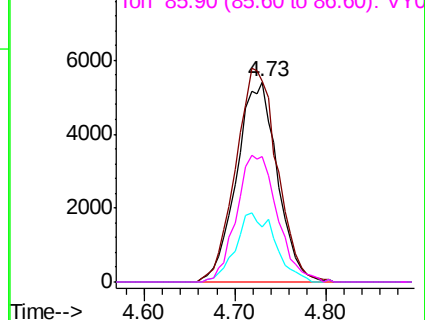


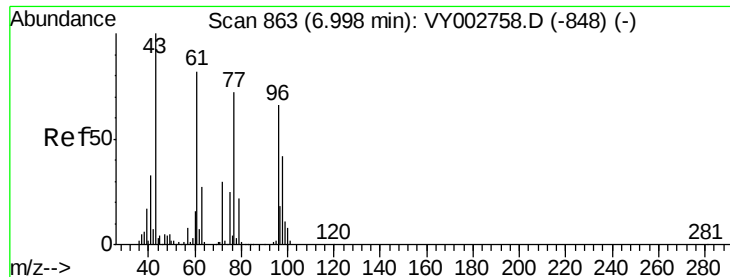
Abundance Ion 83.90 (83.60 to 84.60): VY002758.D (-476) (-)

Ion 48.90 (48.60 to 49.60): VY002758.D (-476) (-)

Ion 50.90 (50.60 to 51.60): VY002758.D (-476) (-)

Ion 85.90 (85.60 to 86.60): VY002758.D (-476) (-)

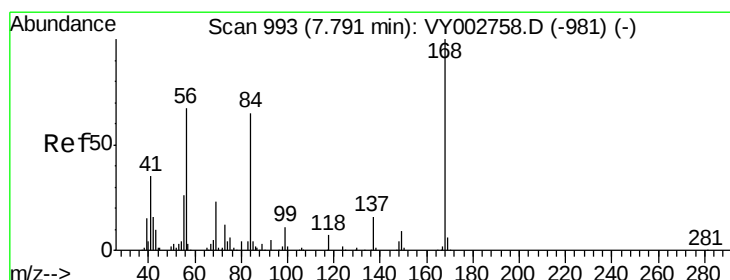
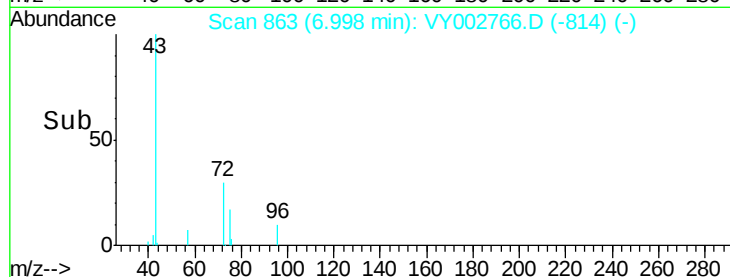
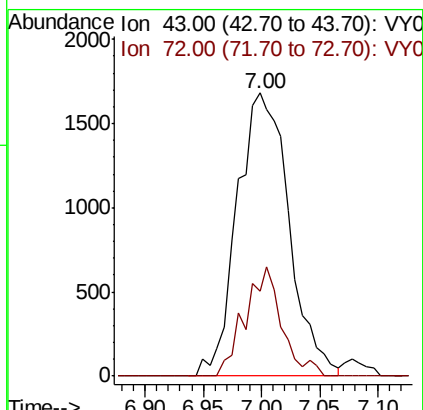
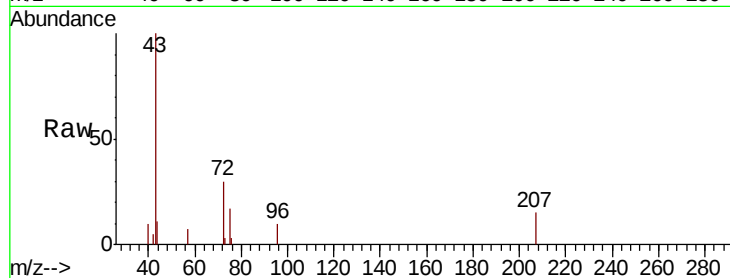




#25
2-Butanone
Concen: 6.534 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

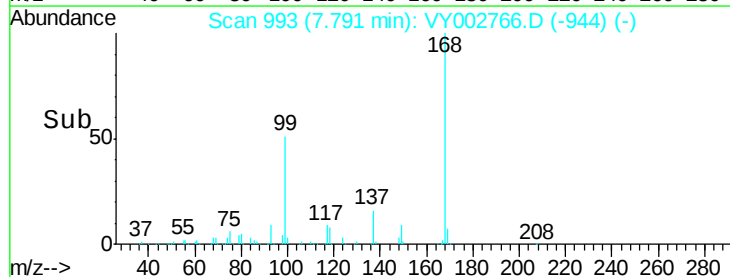
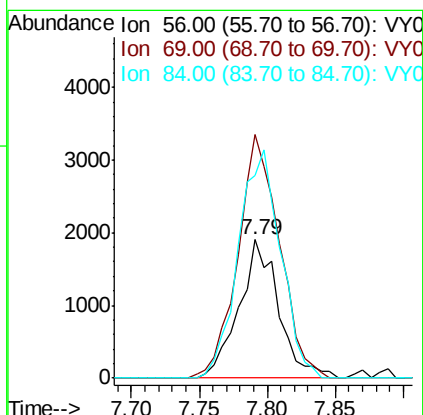
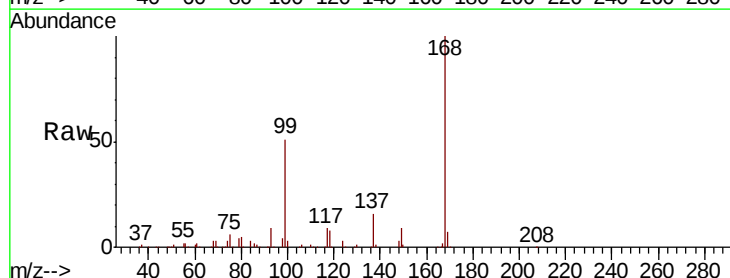
Instrument :
MSVOA_Y
ClientSampleId :
351

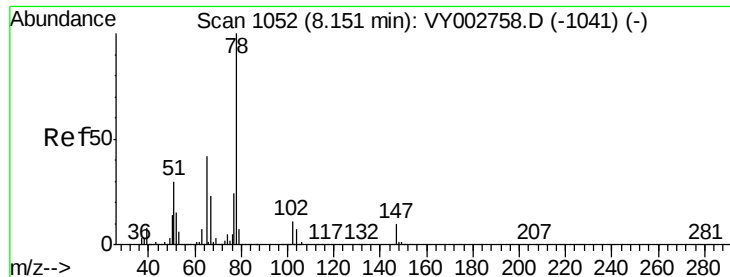
Tot Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
72 30.2 23.9 35.9



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

Tgt Ion: 56 Resp: 3904
Ion Ratio Lower Upper
56 100
69 176.4 28.0 42.0#
84 146.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.413 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

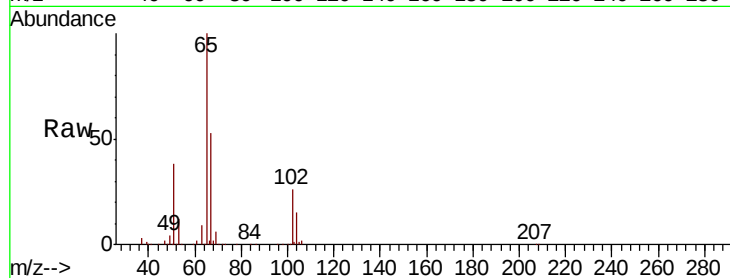
351

Tot Ion: 65 Resp: 123313

Ion Ratio Lower Upper

65 100

67 53.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002758.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY002758.D (-1041) (-)

8.14

60000

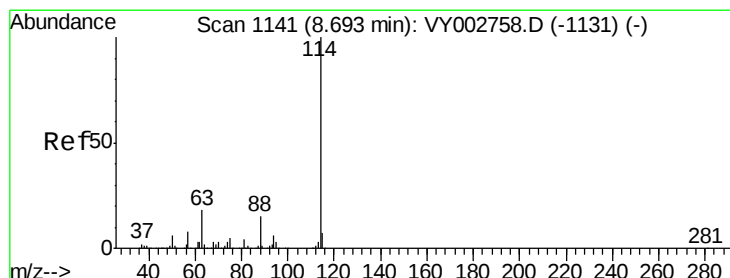
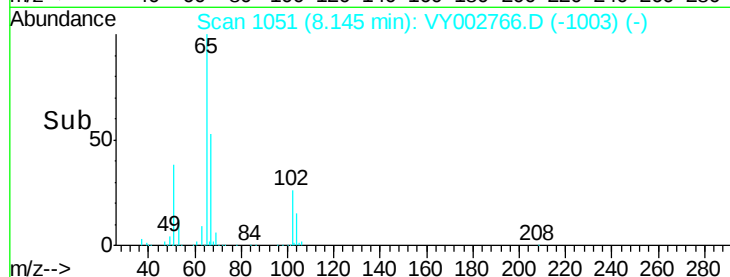
40000

20000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

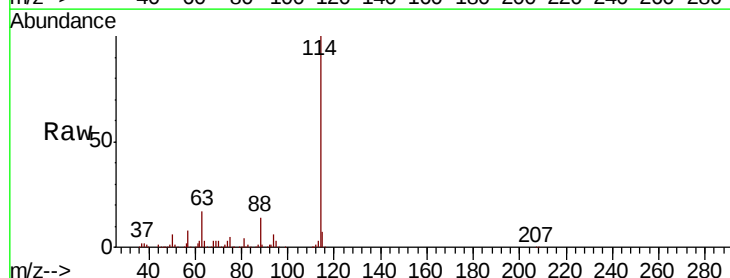
Tgt Ion: 114 Resp: 399650

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

88 14.5 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VY002758.D (-1131) (-)

Ion 63.00 (62.70 to 63.70): VY002758.D (-1131) (-)

Ion 87.90 (87.60 to 88.60): VY002758.D (-1131) (-)

8.69

250000

200000

150000

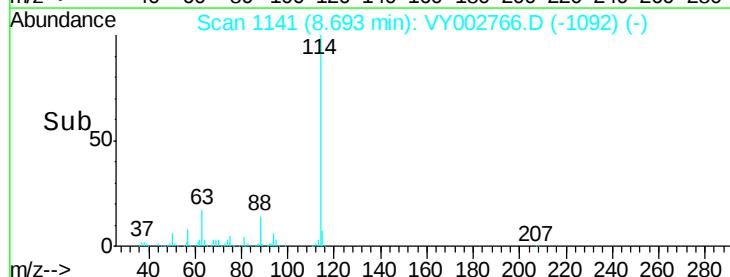
100000

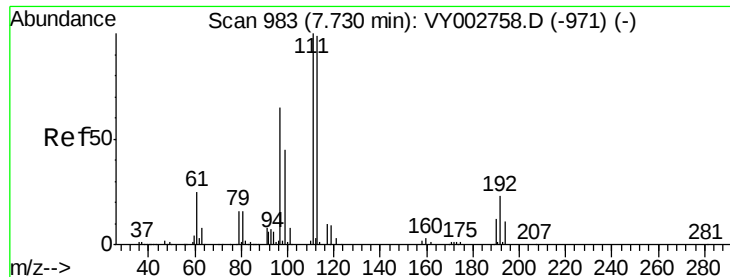
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->

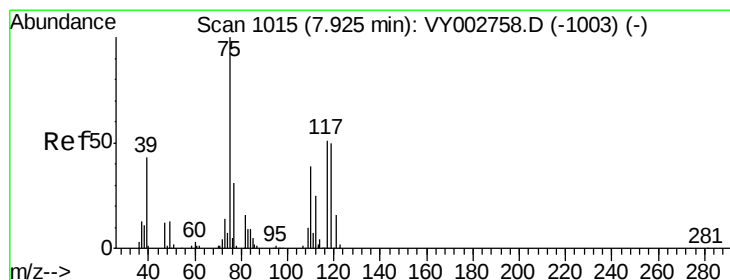
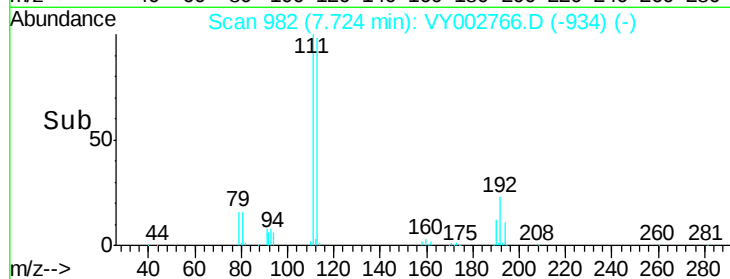
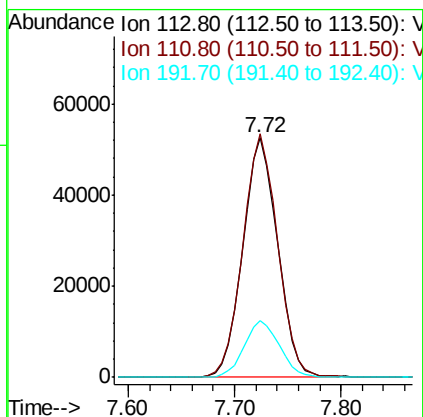
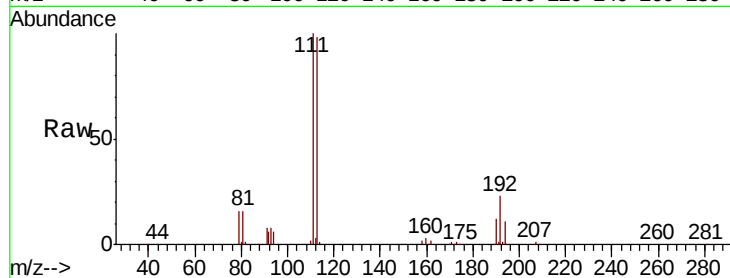




#35
 Dibromofluoromethane
 Concen: 51.584 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002766.D
 Acq: 27 May 2020 16:02

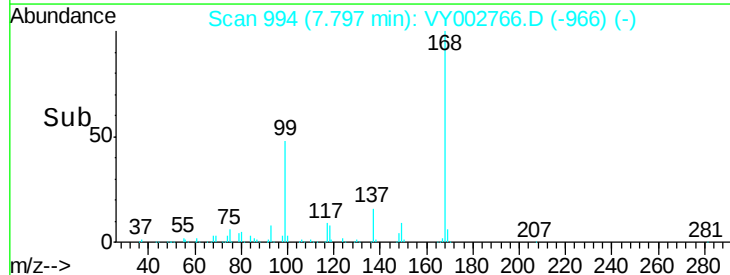
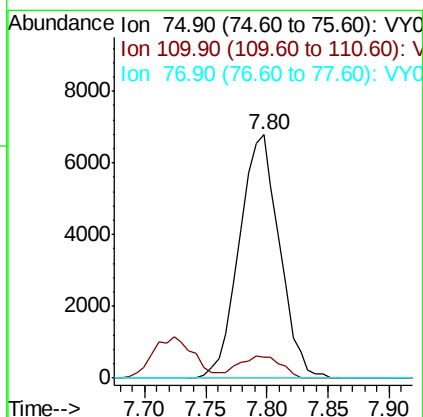
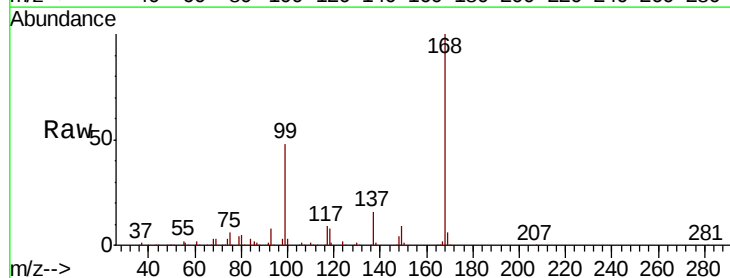
Instrument :
 MSVOA_Y
 ClientSampleId :
 351

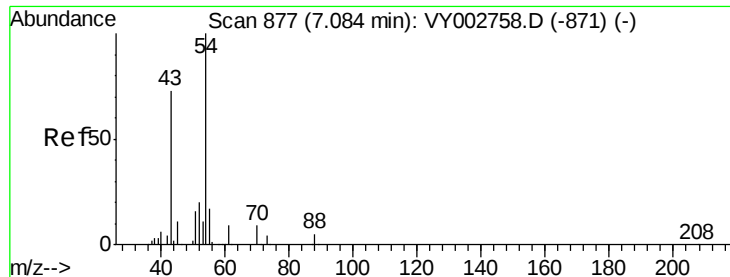
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	24.0	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002766.D
 Acq: 27 May 2020 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.3	57.9#
77	0.0	24.8	37.2#

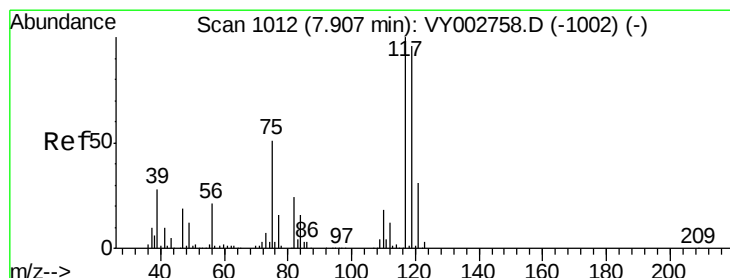
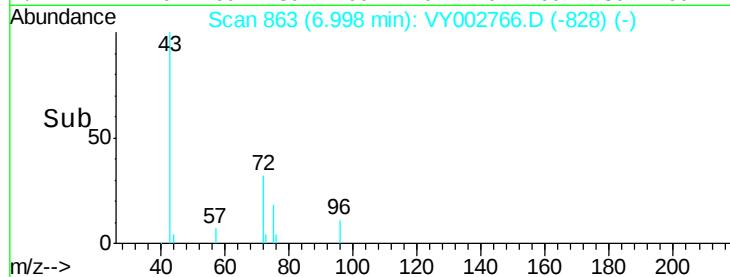
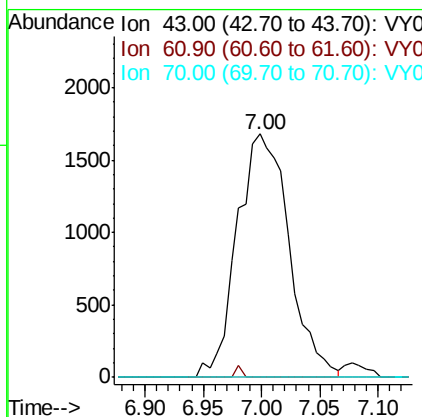
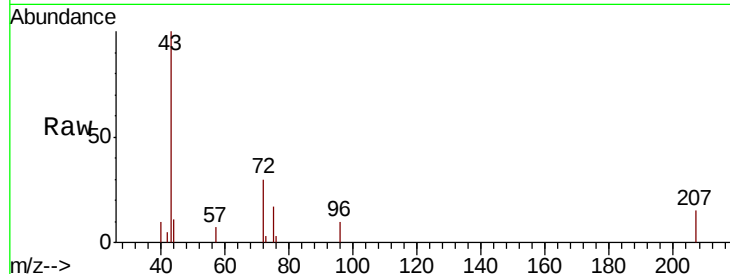




#37
Ethyl Acetate
Concen: 2.849 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

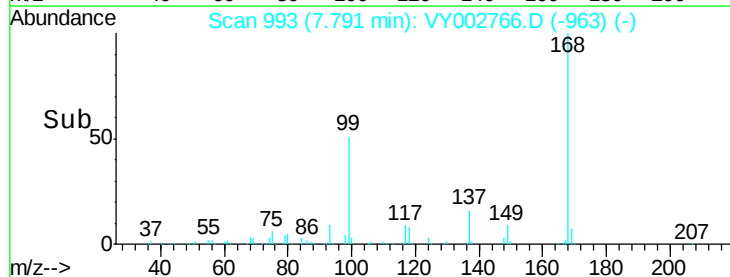
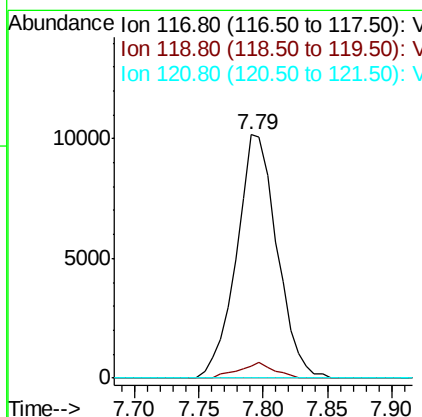
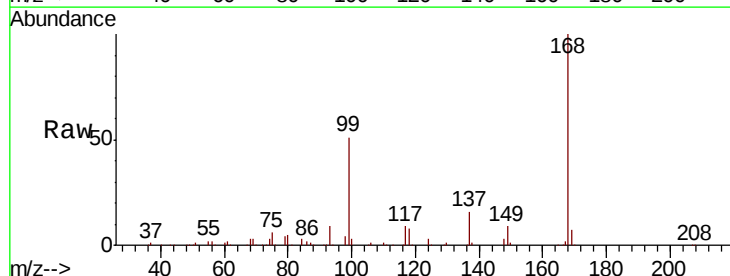
Instrument :
MSVOA_Y
ClientSampleId :
351

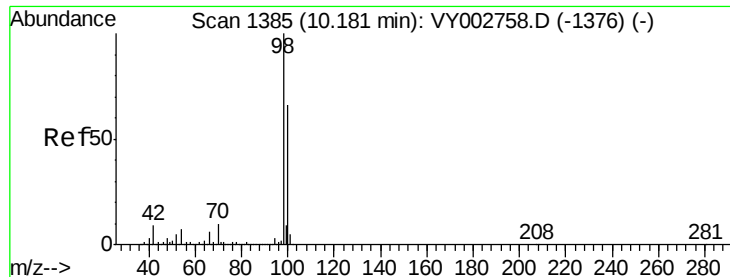
Tot Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
61 0.6 11.9 17.9#
70 0.0 9.1 13.7#



#38
Carbon Tetrachloride
Concen: 5.921 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

Tgt Ion: 117 Resp: 22145
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.157 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

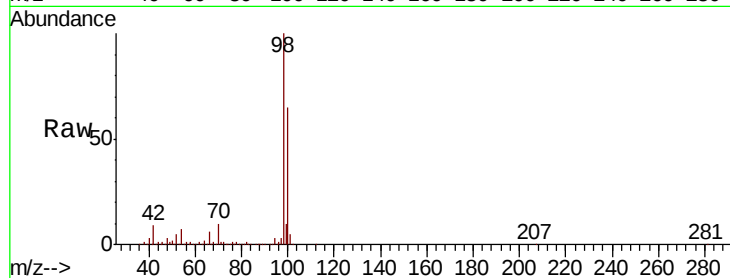
351

Tot Ion: 98 Resp: 474987

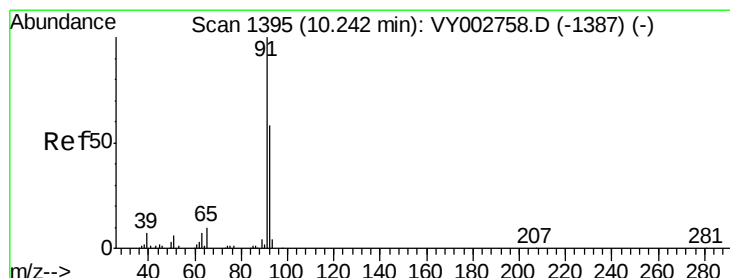
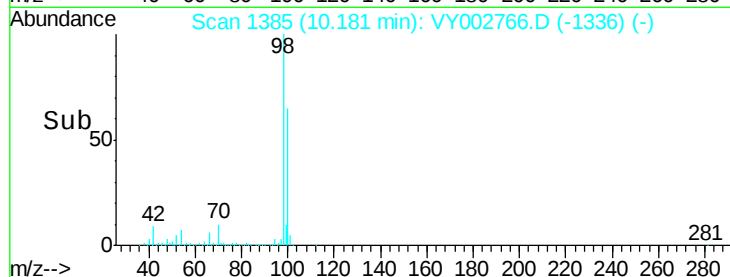
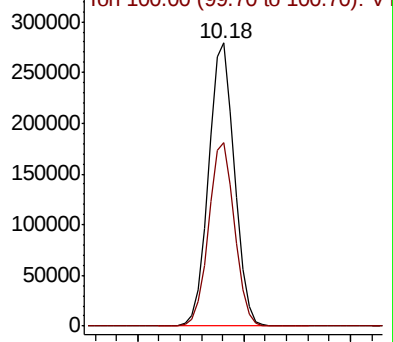
Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY002758.D (-1376) (-)



#52

Toluene

Concen: 1.346 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002766.D

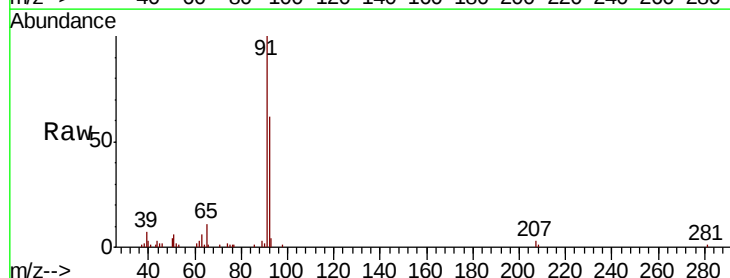
Acq: 27 May 2020 16:02

Tgt Ion: 92 Resp: 8762

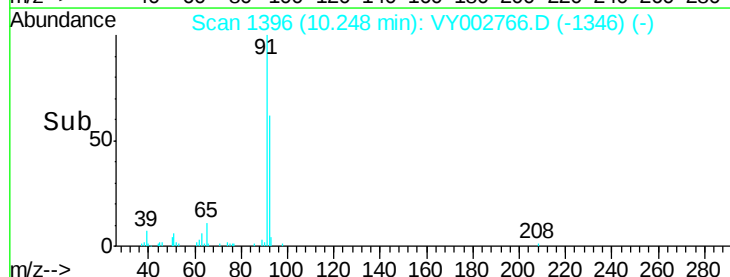
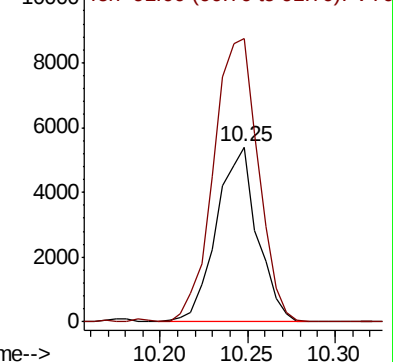
Ion Ratio Lower Upper

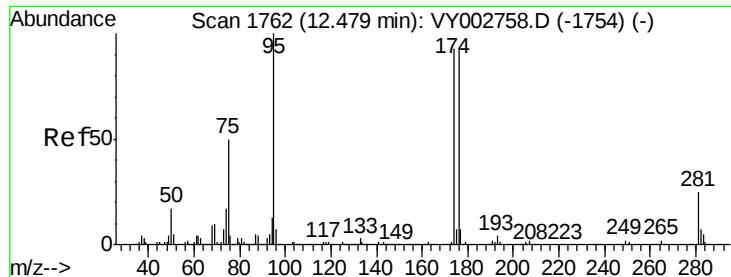
92 100

91 177.1 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VY002758.D (-1387) (-)





#62

4-Bromofluorobenzene

Concen: 50.413 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampled :

351

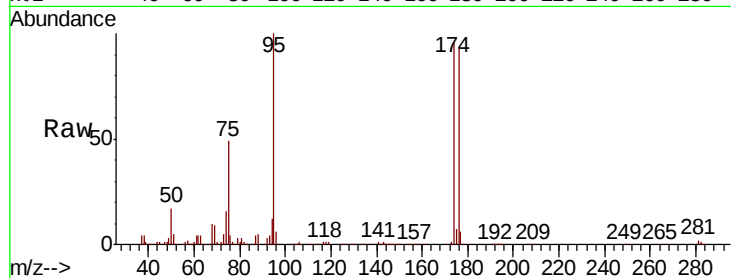
Tot Ion: 95 Resp: 163156

Ion Ratio Lower Upper

95 100

174 95.5 0.0 191.2

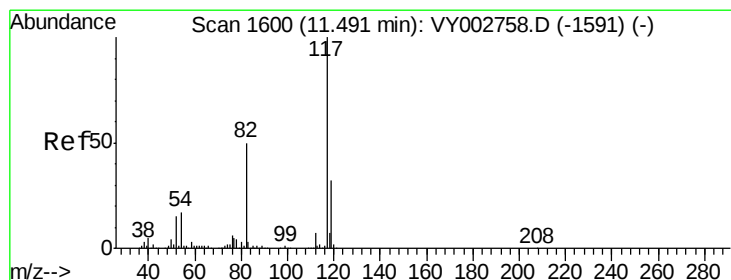
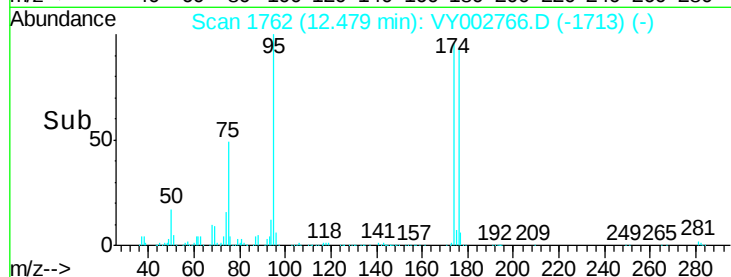
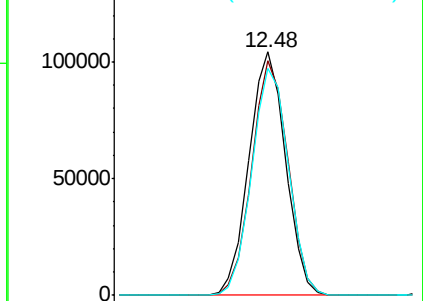
176 93.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002758.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002758.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002758.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

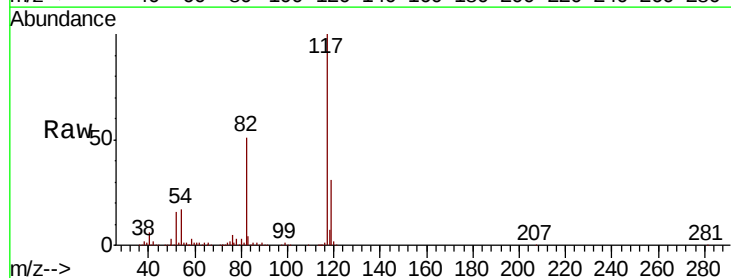
Tgt Ion: 117 Resp: 371707

Ion Ratio Lower Upper

117 100

82 50.5 40.2 60.4

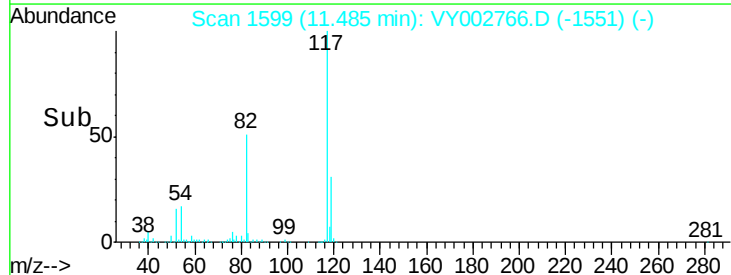
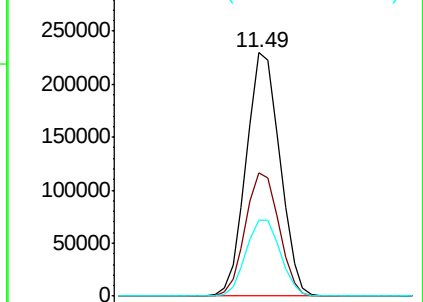
119 31.3 25.8 38.8

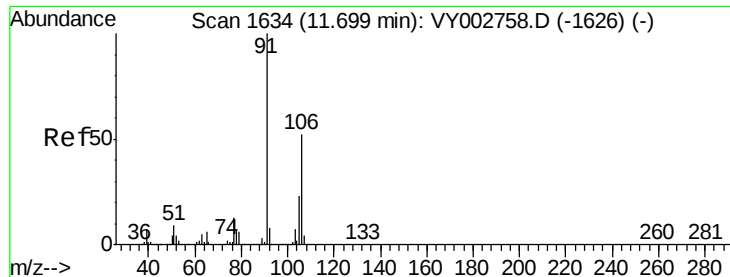


Abundance Ion 116.90 (116.60 to 117.60): VY002758.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY002758.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY002758.D (-1591) (-)

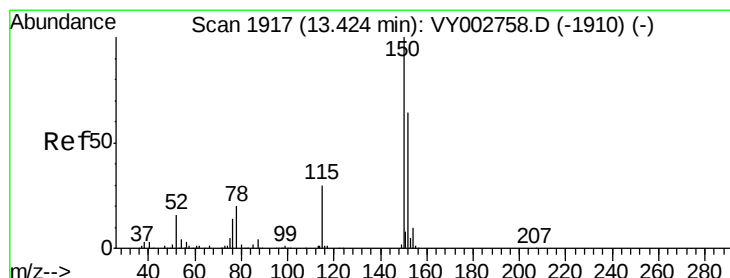
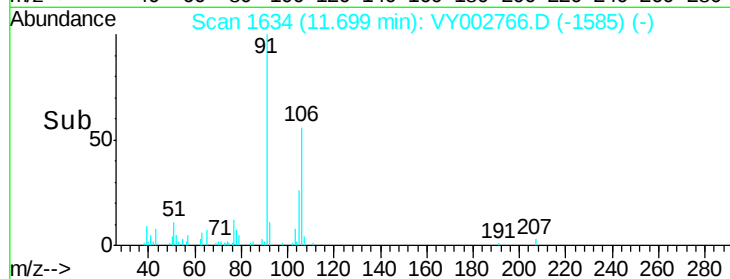
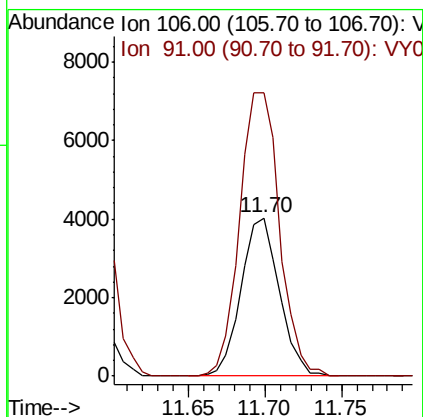
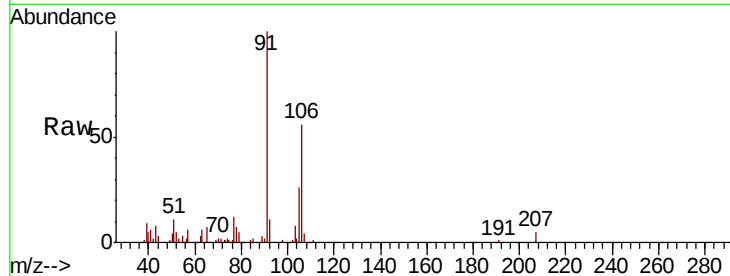




#68
m/p-Xvlenes
Concen: 1.414 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

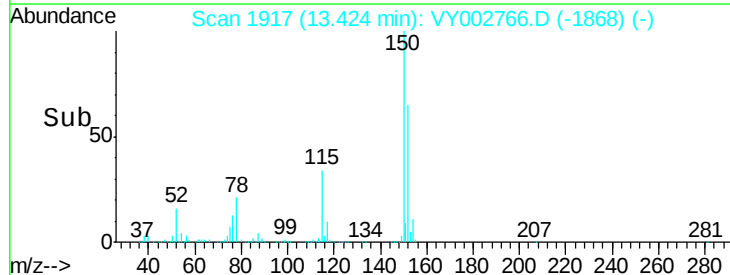
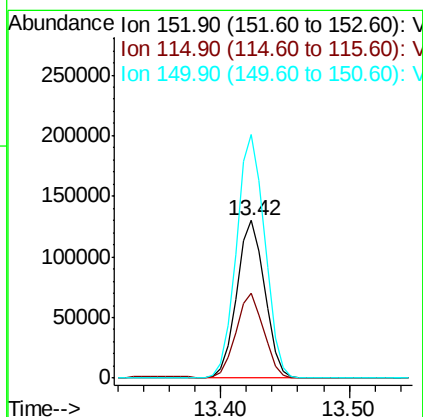
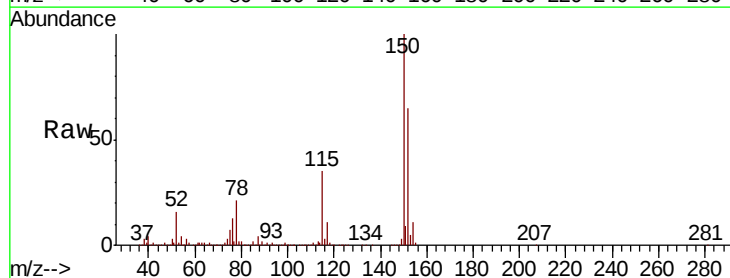
Instrument :
MSVOA_Y
ClientSampled :
351

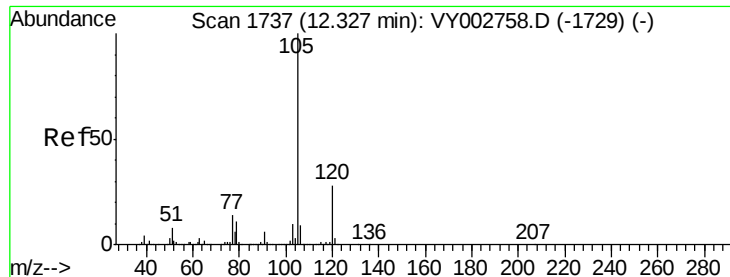
Tot Ion:106 Resp: 6985
Ion Ratio Lower Upper
106 100
91 186.7 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002766.D
Acq: 27 May 2020 16:02

Tgt Ion:152 Resp: 195785
Ion Ratio Lower Upper
152 100
115 52.9 27.0 81.0
150 156.8 0.0 344.8





#73

Isopropylbenzene

Concen: 3.350 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

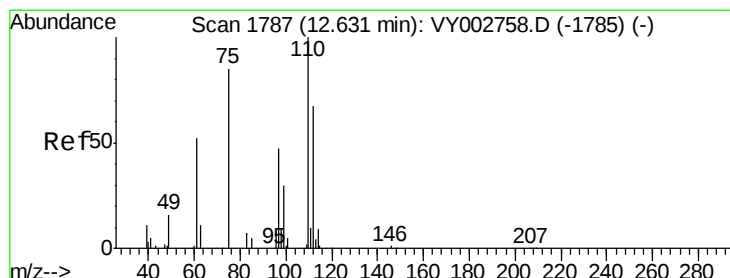
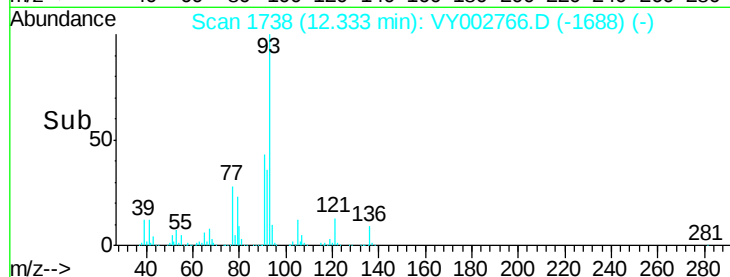
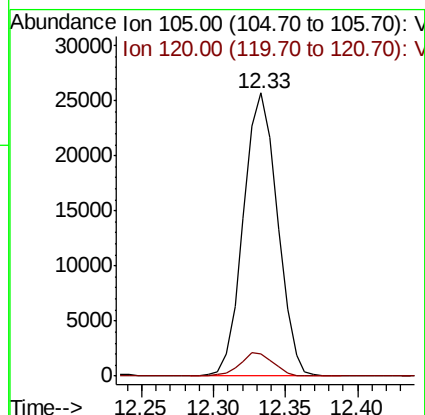
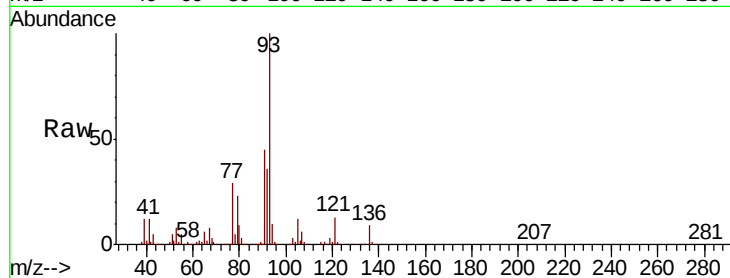
ClientSampled :
351

Tot Ion: 105 Resp: 42031

Ion Ratio Lower Upper

105 100

120 8.0 13.7 41.1#



#76

1,2,3-Trichloropropane

Concen: 45.019 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002766.D

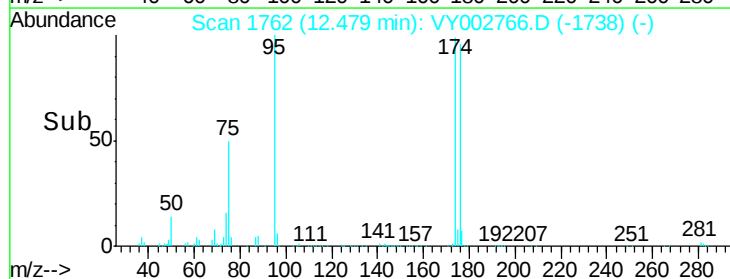
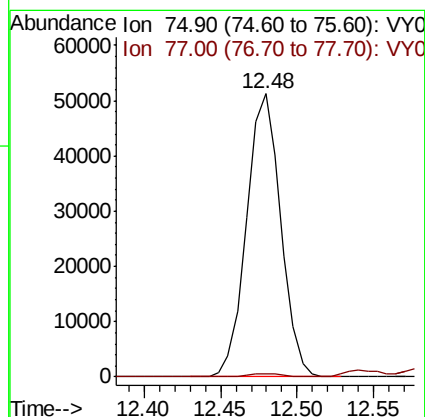
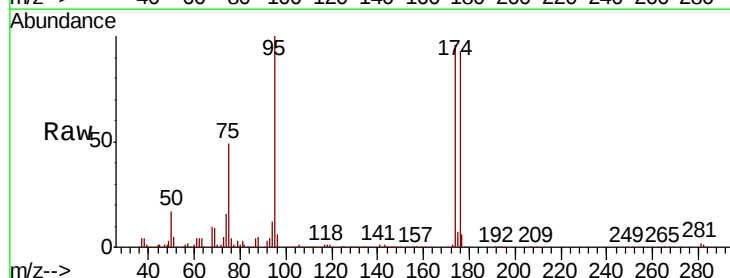
Acq: 27 May 2020 16:02

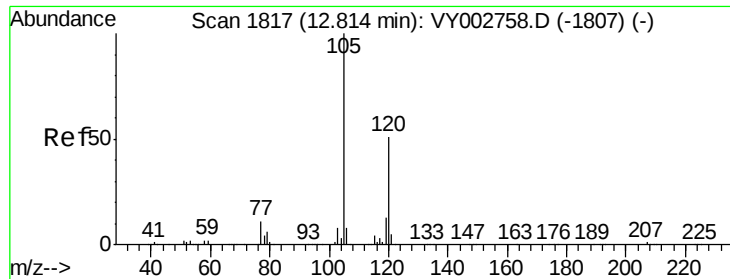
Tgt Ion: 75 Resp: 79420

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 1.965 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

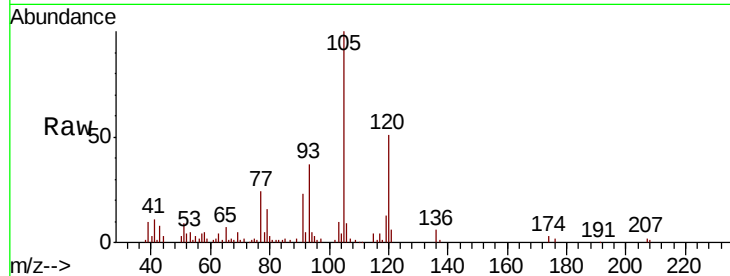
ClientSampled :
351

Tot Ion:105 Resp: 20582

Ion Ratio Lower Upper

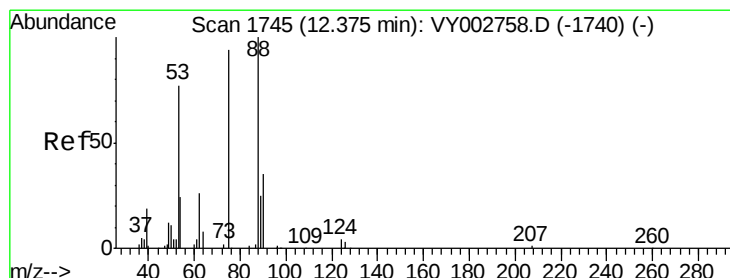
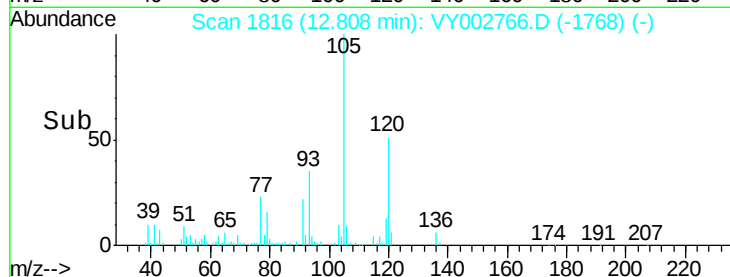
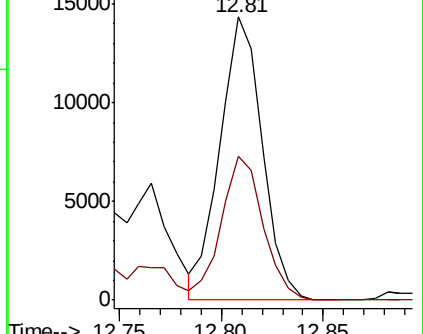
105 100

120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 84.815 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

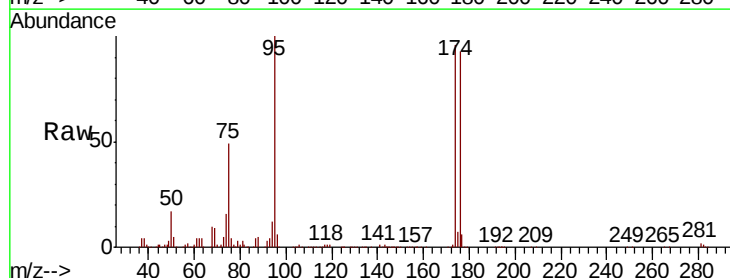
Tgt Ion: 75 Resp: 79420

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

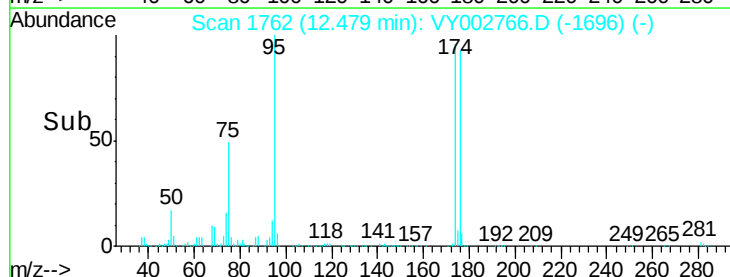
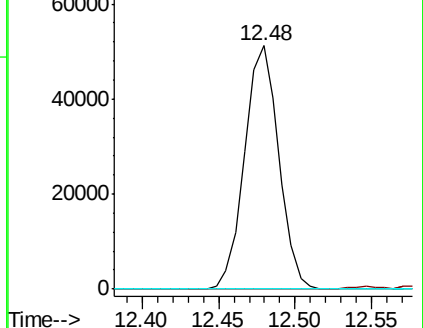
89 0.0 37.4 56.2#

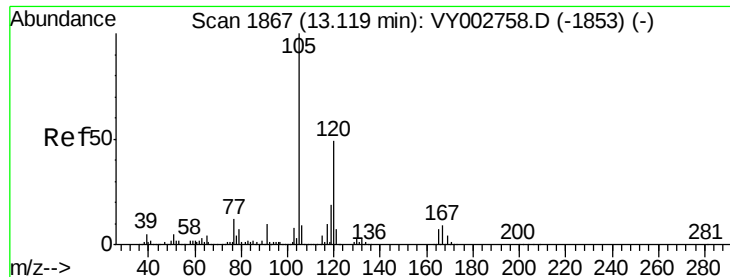


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#84

1,2,4-Trimethylbenzene

Concen: 2.961 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

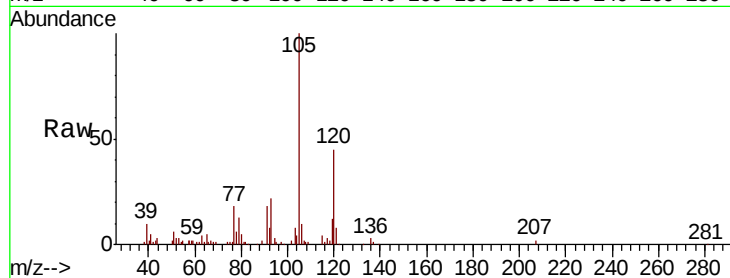
351

Tot Ion:105 Resp: 31186

Ion Ratio Lower Upper

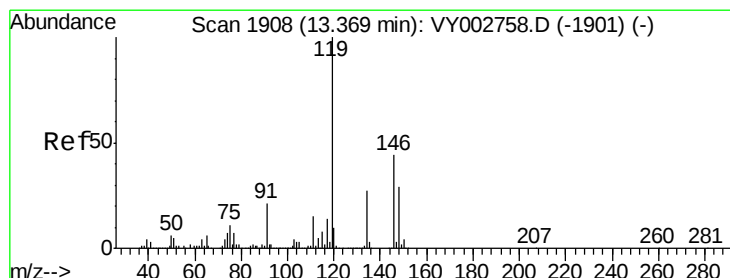
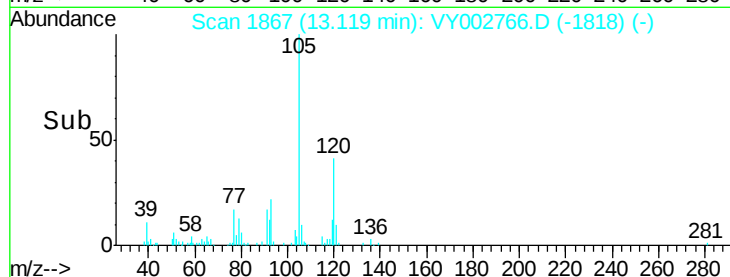
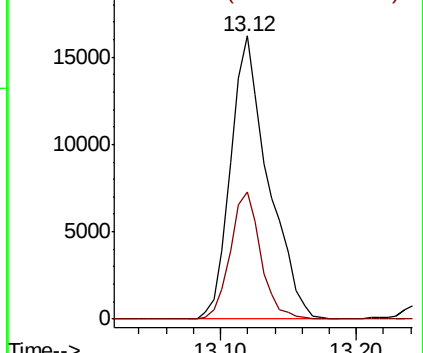
105 100

120 36.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 2.519 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

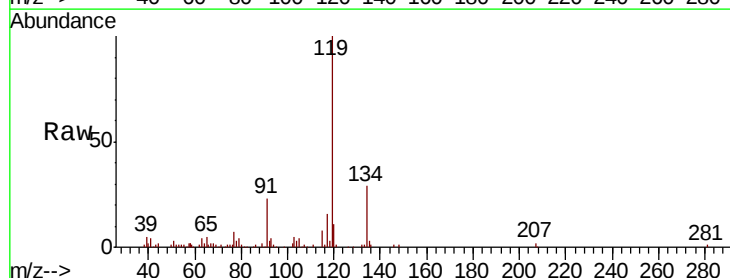
Tgt Ion:119 Resp: 29950

Ion Ratio Lower Upper

119 100

134 28.8 13.7 41.0

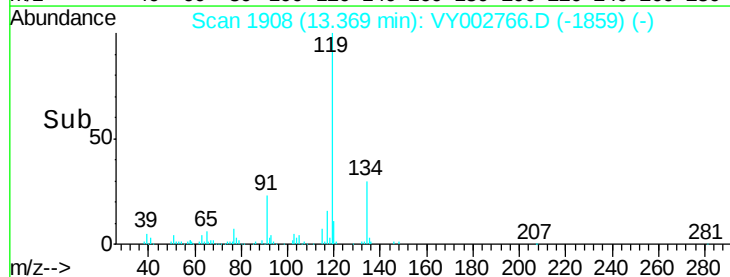
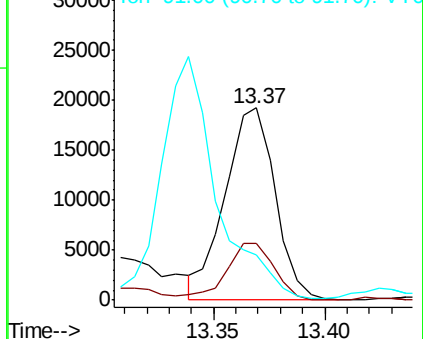
91 0.0 10.8 32.4#

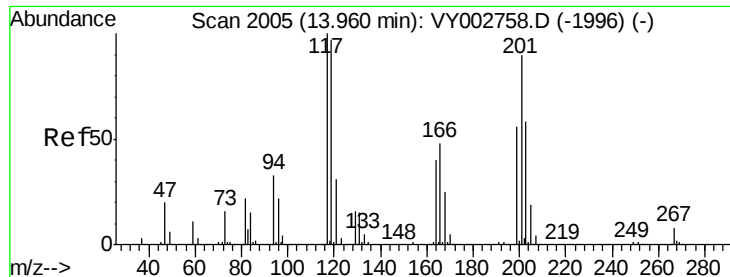


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#90

Hexachloroethane

Concen: 1.503 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

Instrument :

MSVOA_Y

ClientSampleId :

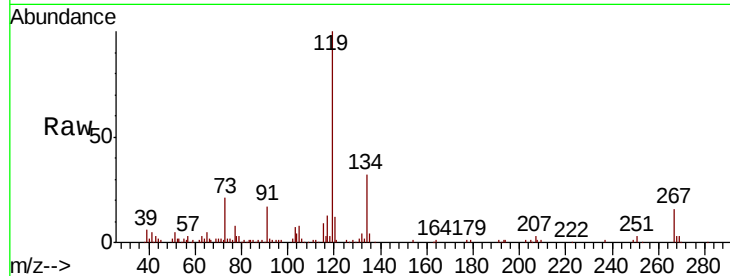
351

Tot Ion:117 Resp: 3346

Ion Ratio Lower Upper

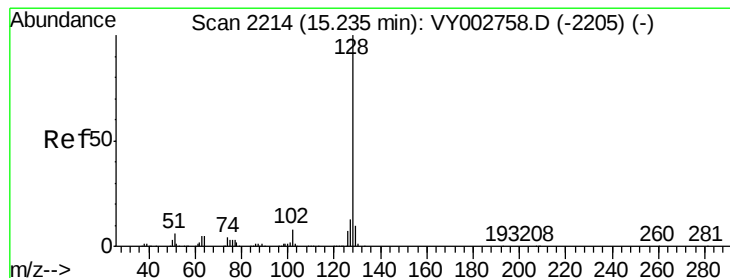
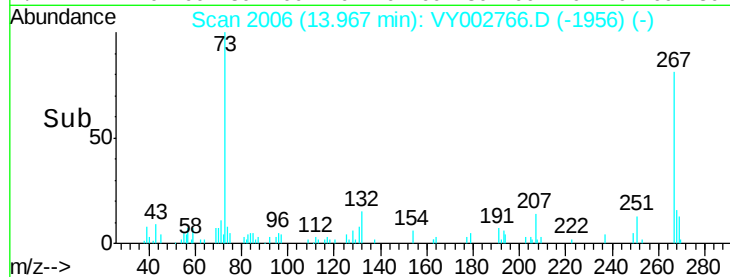
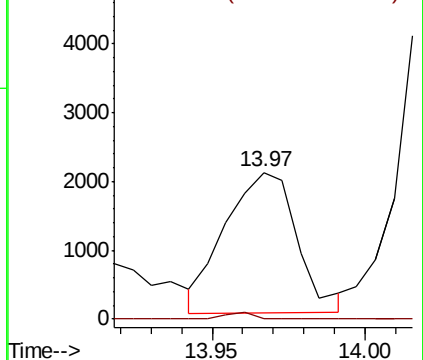
117 100

201 1.9 43.9 131.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 363.075 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002766.D

Acq: 27 May 2020 16:02

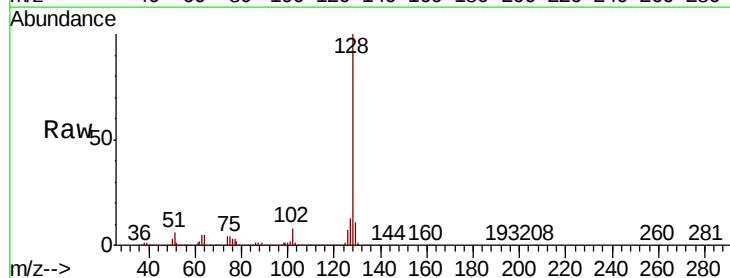
Tgt Ion:128 Resp: 3079482

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.7 13.1



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

