

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071620\
 Data File : VY003203.D
 Acq On : 16 Jul 2020 11:11
 Operator : SY/MD
 Sample : VY0716SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBL01

Quant Time: Jul 17 05:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	417487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	623729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	563725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	290141	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	187562	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	7.72	113	176900	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.18	98	654088	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.48	95	230198	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	

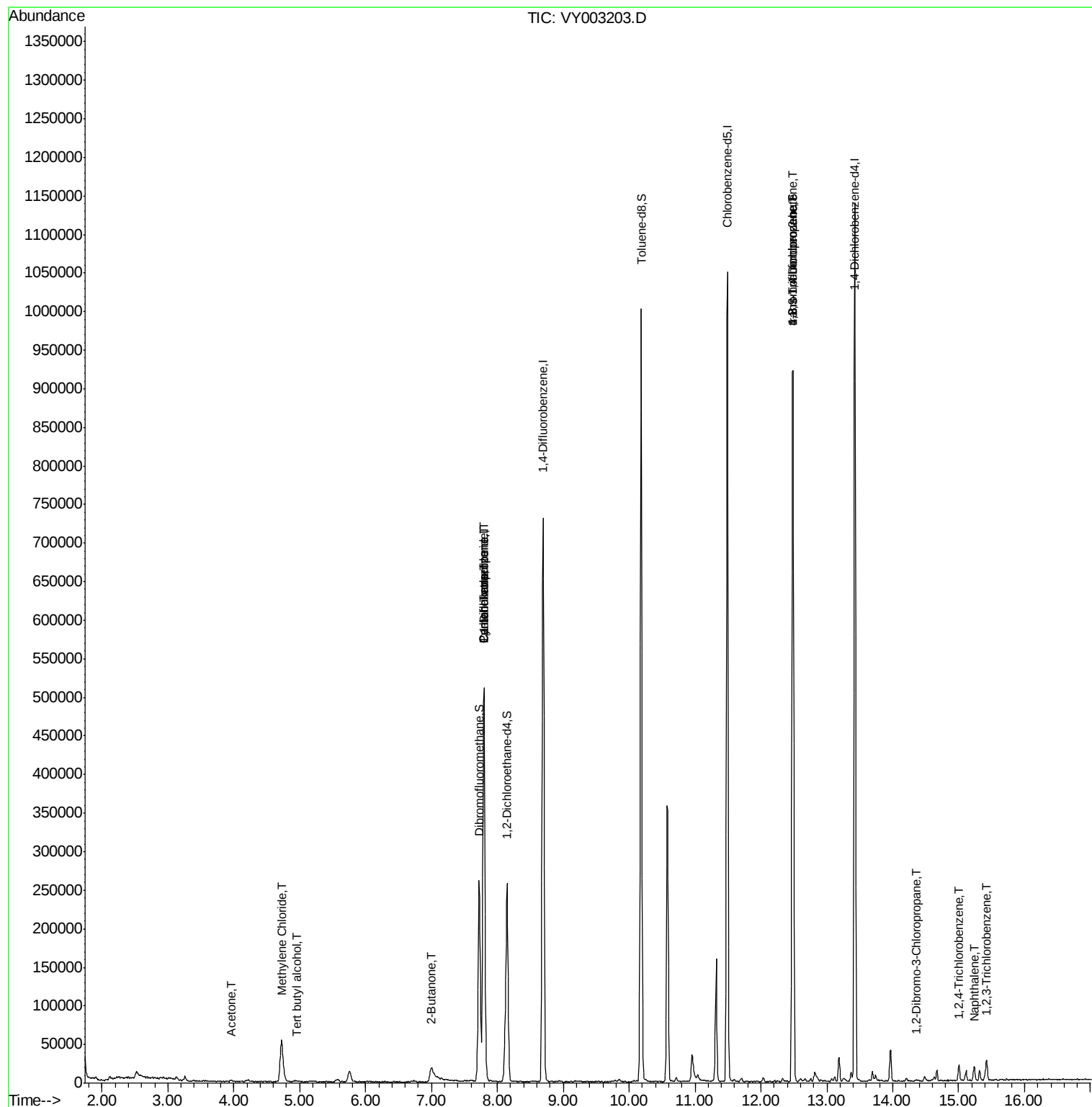
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1365	3.582	ug/l #	79
16) Acetone	3.96	43	2726	3.463	ug/l #	78
20) Methylene Chloride	4.72	84	39767	5.108	ug/l	92
25) 2-Butanone	6.99	43	1958	1.515	ug/l #	49
31) Cyclohexane	7.80	56	8233	1.285	ug/l #	16
36) 1,1-Dichloropropene	7.79	75	29748	5.262	ug/l #	50
38) Carbon Tetrachloride	7.80	117	37931	6.500	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	122659	47.760	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	122659	92.950	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.36	75	690	1.192	ug/l	93
93) 1,2,4-Trichlorobenzene	15.01	180	7030	1.263	ug/l	93
95) Naphthalene	15.24	128	14484	1.575	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	8118	1.846	ug/l	97

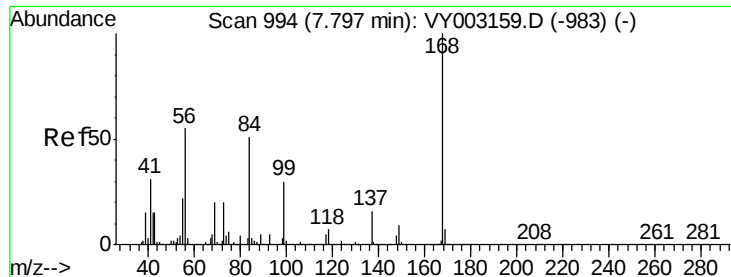
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VY003203.D

Acq: 16 Jul 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

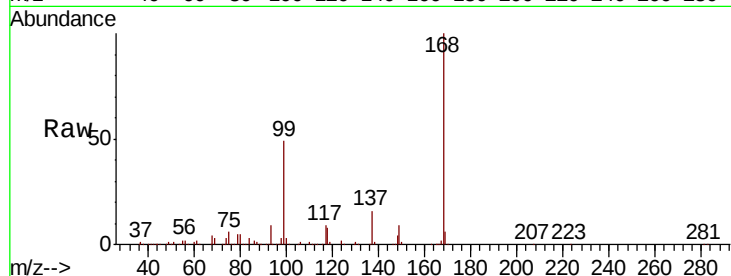
VY0716SBL01

Tot Ion:168 Resp: 417487

Ion Ratio Lower Upper

168 100

99 48.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

200000

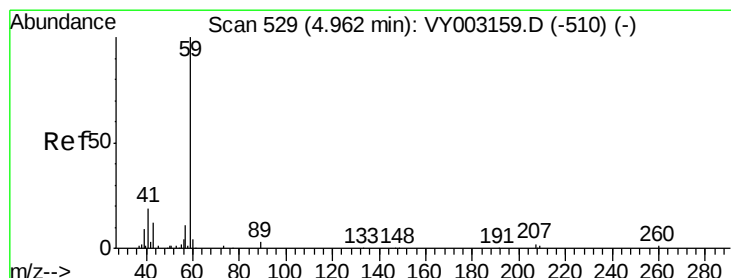
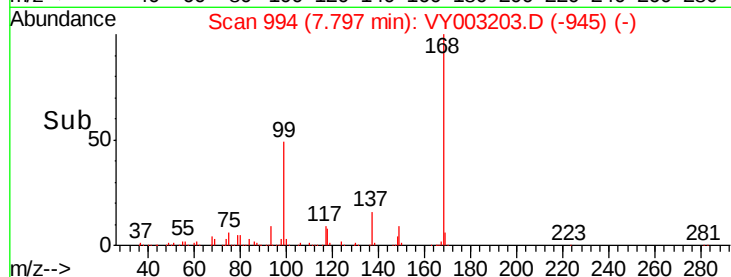
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.582 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY003203.D

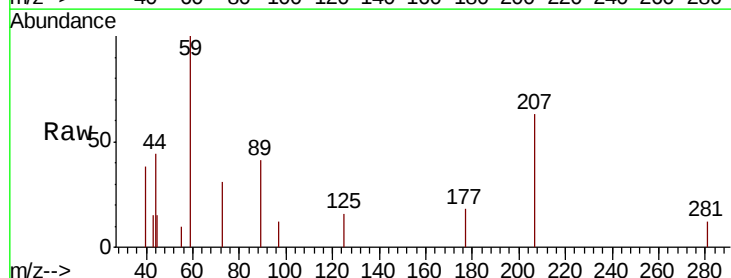
Acq: 16 Jul 2020 11:11

Tgt Ion: 59 Resp: 1365

Ion Ratio Lower Upper

59 100

57 2.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.96

800

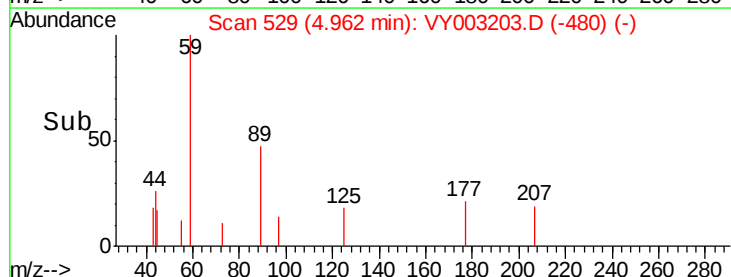
600

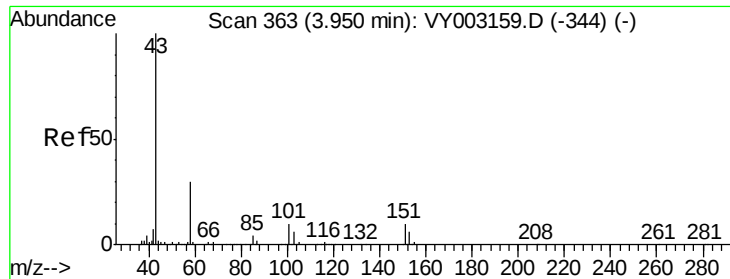
400

200

0

Time-->

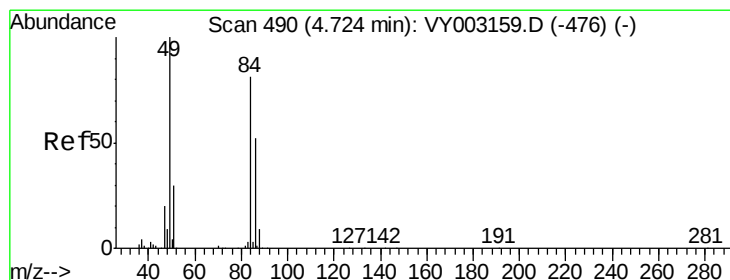
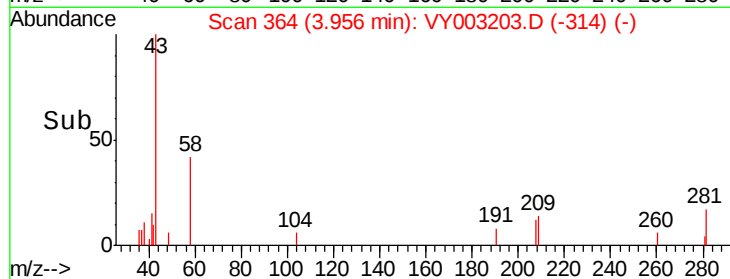
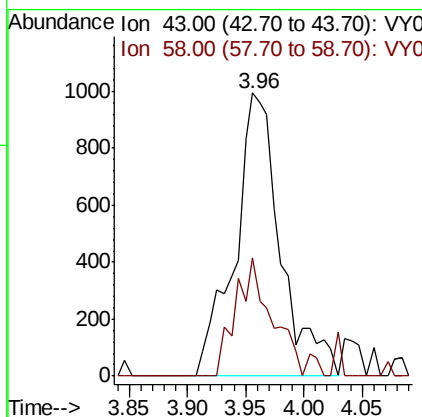
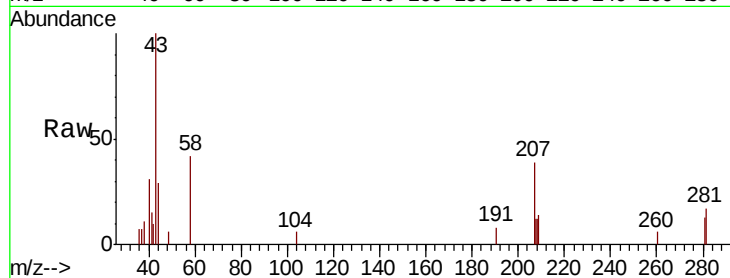




#16
Acetone
Concen: 3.463 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003203.D
Acq: 16 Jul 2020 11:11

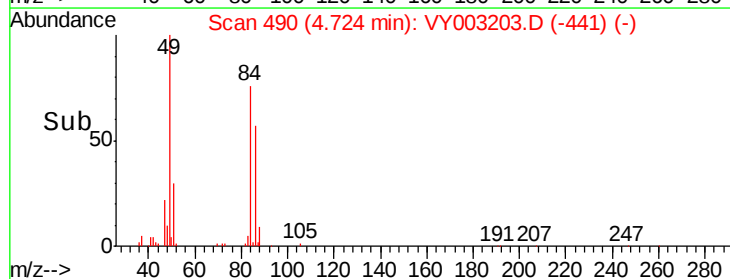
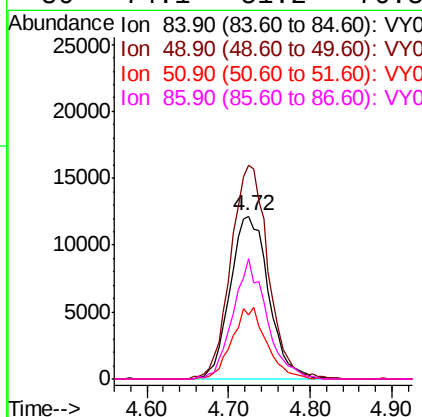
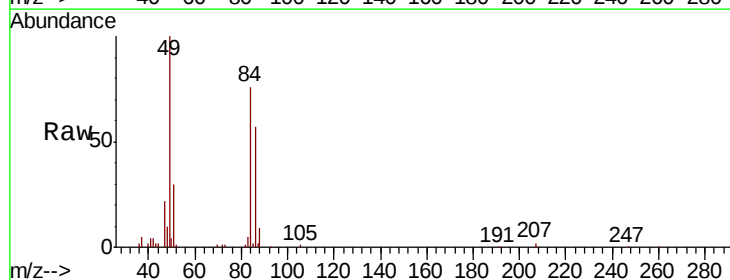
Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBL01

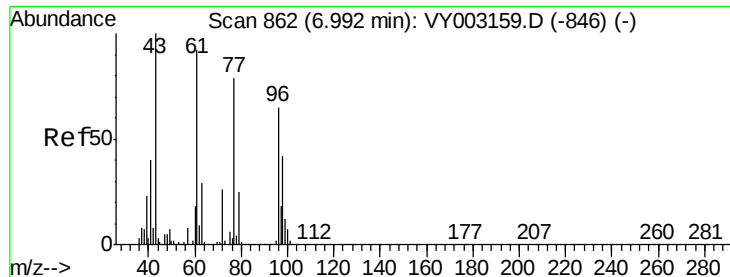
Tot Ion: 43 Resp: 2726
Ion Ratio Lower Upper
43 100
58 41.8 23.8 35.6#



#20
Methylene Chloride
Concen: 5.108 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003203.D
Acq: 16 Jul 2020 11:11

Tgt Ion: 84 Resp: 39767
Ion Ratio Lower Upper
84 100
49 131.1 98.2 147.4
51 39.4 29.8 44.6
86 74.1 51.2 76.8

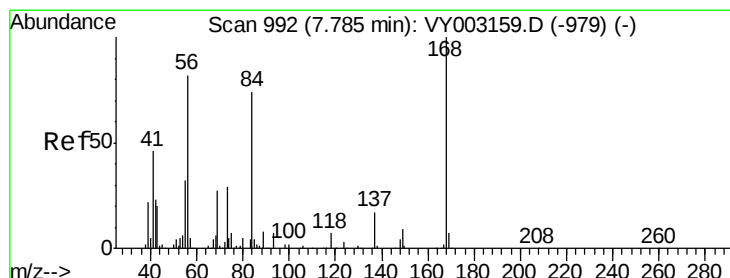
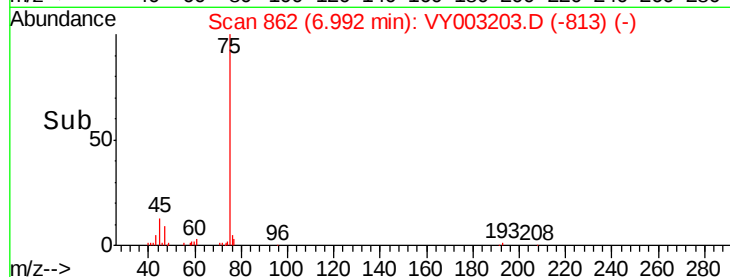
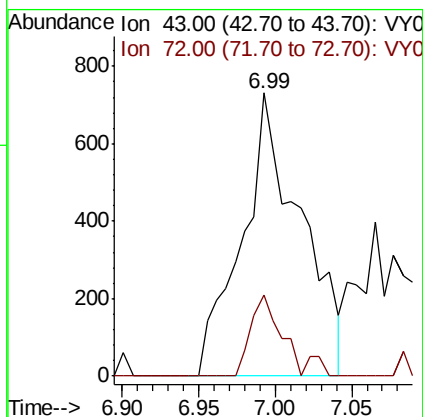
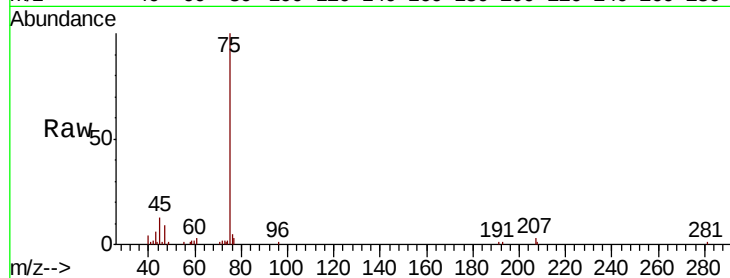




#25
2-Butanone
Concen: 1.515 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003203.D
Acq: 16 Jul 2020 11:11

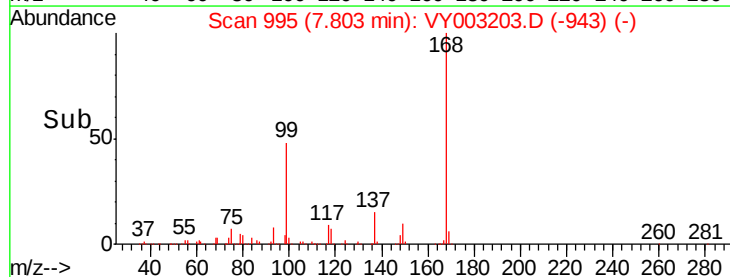
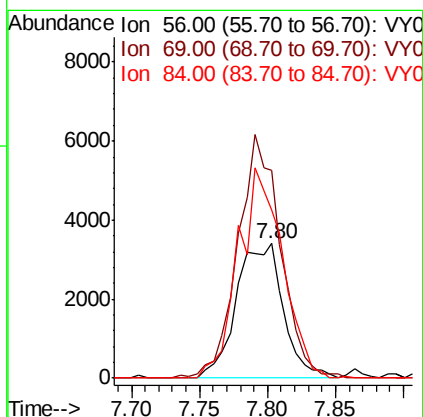
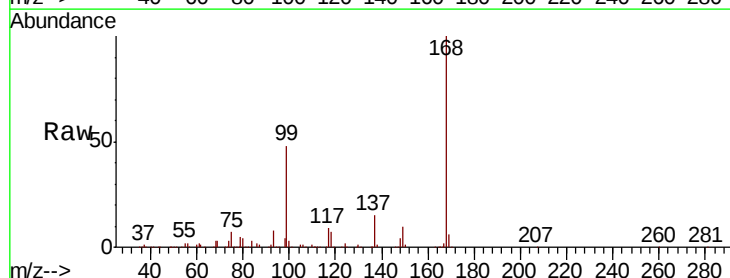
Instrument :
MSVOA_Y
ClientSampleId :
VY0716SBL01

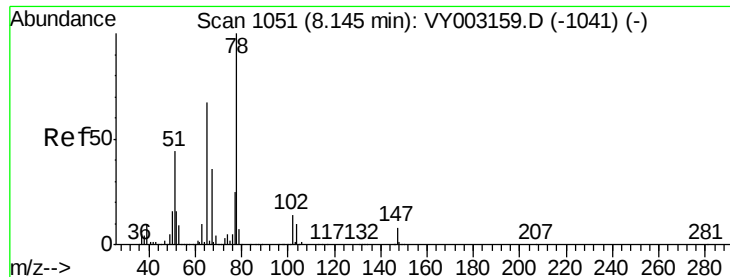
Tot Ion: 43 Resp: 1958
Ion Ratio Lower Upper
43 100
72 52.0 20.9 31.3#



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.02 min
Lab File: VY003203.D
Acq: 16 Jul 2020 11:11

Tgt Ion: 56 Resp: 8233
Ion Ratio Lower Upper
56 100
69 152.8 26.7 40.1#
84 125.1 72.3 108.5#

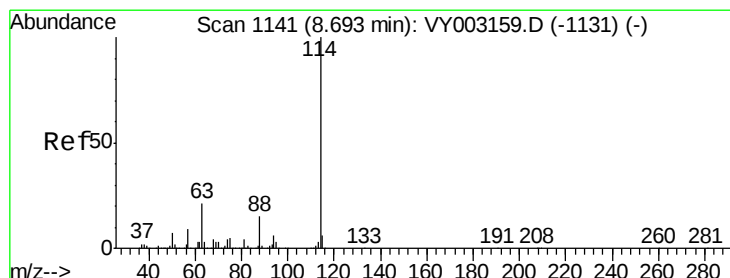
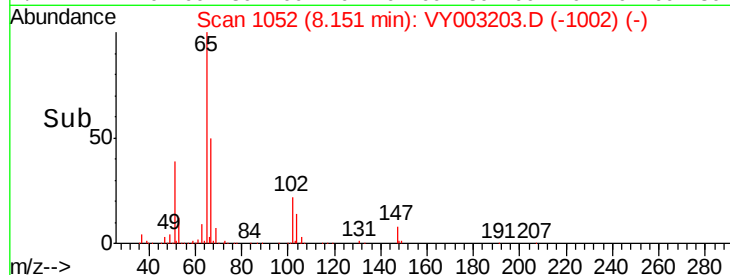
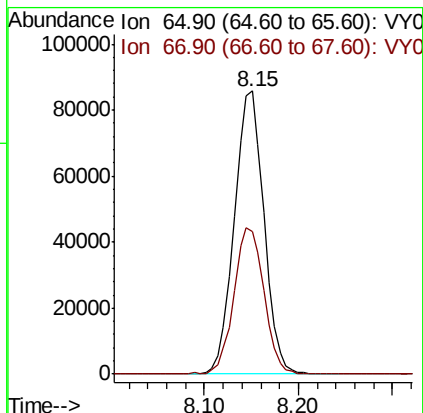
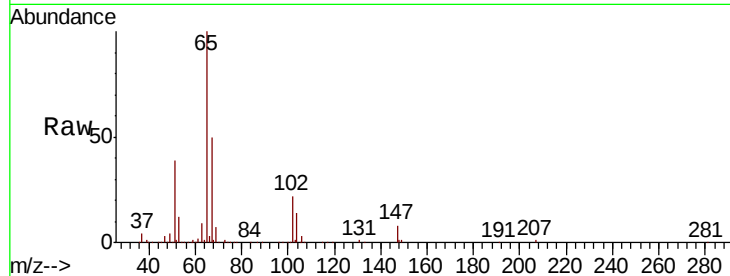




#33
 1,2-Dichloroethane-d4
 Concen: 53.228 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003203.D
 Acq: 16 Jul 2020 11:11

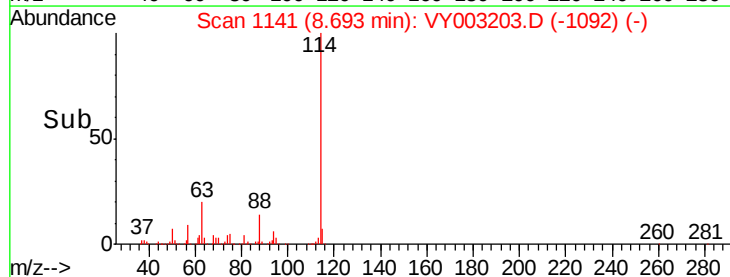
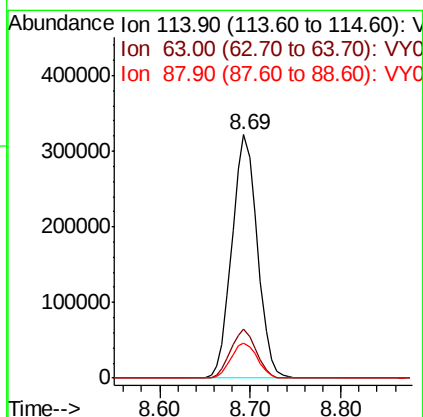
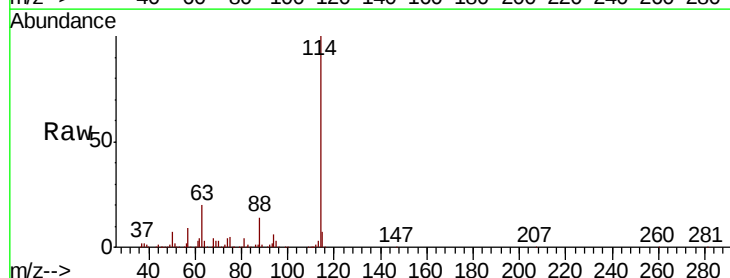
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBL01

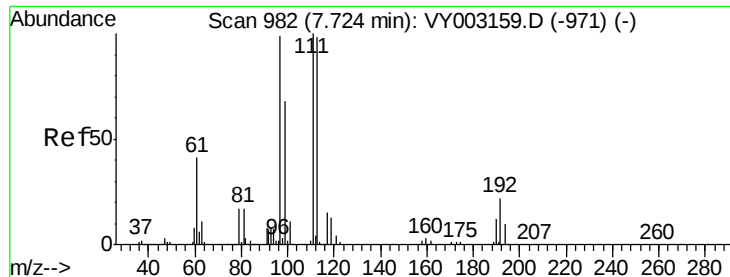
Tot Ion: 65 Resp: 187562
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003203.D
 Acq: 16 Jul 2020 11:11

Tgt Ion: 114 Resp: 623729
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.2
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.284 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBL01

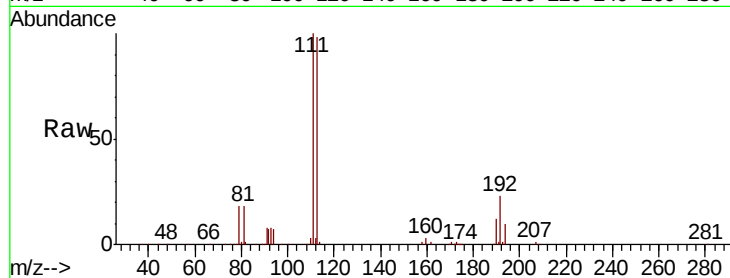
Tot Ion:113 Resp: 176900

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

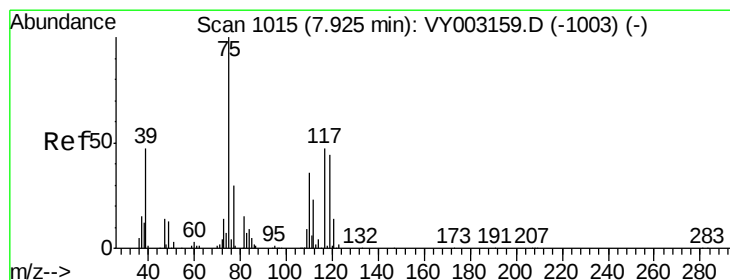
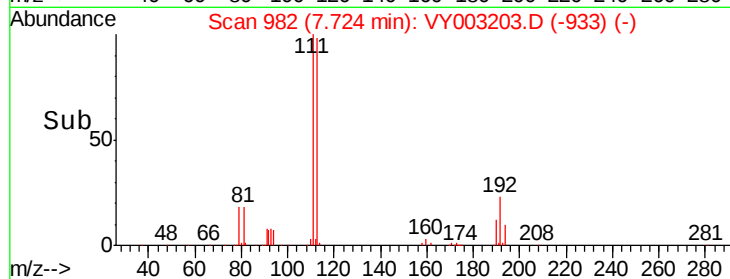
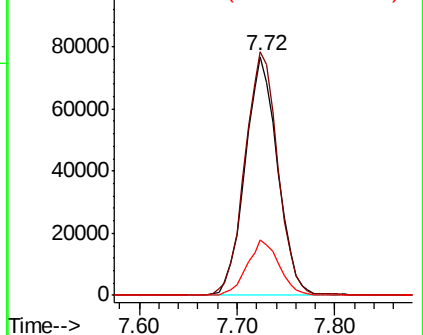
192 22.6 18.8 28.2



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: 5.262 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

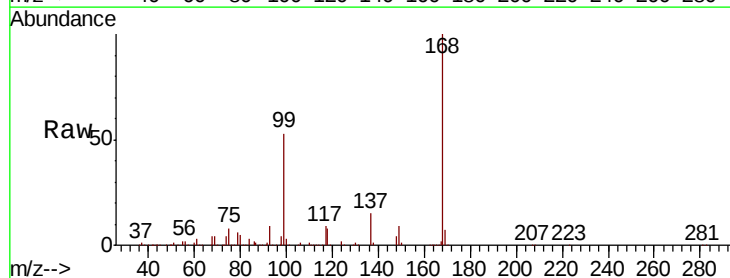
Tgt Ion: 75 Resp: 29748

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

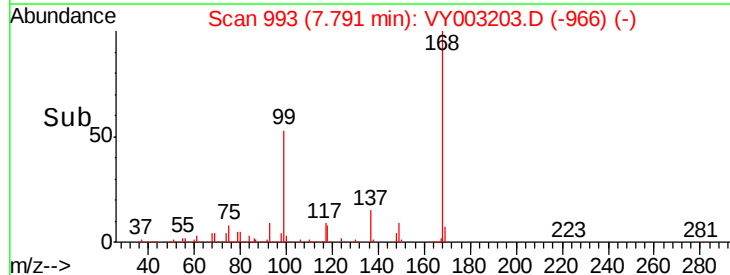
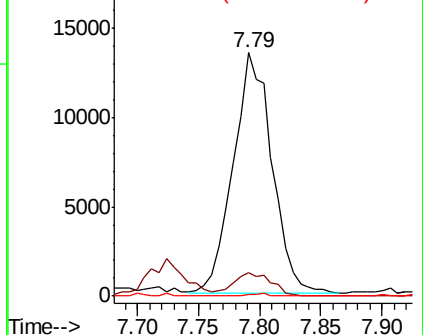
77 0.4 24.8 37.2#

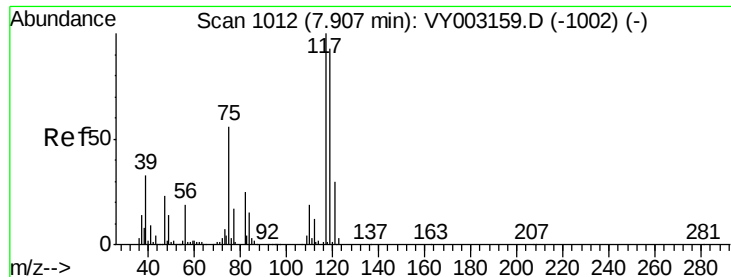


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.500 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

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VY0716SBL01

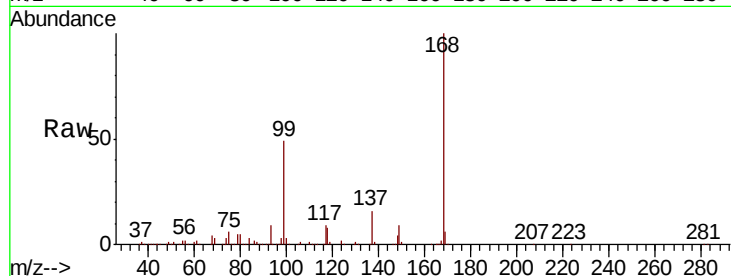
Tot Ion:117 Resp: 37931

Ion Ratio Lower Upper

117 100

119 6.1 74.5 111.7#

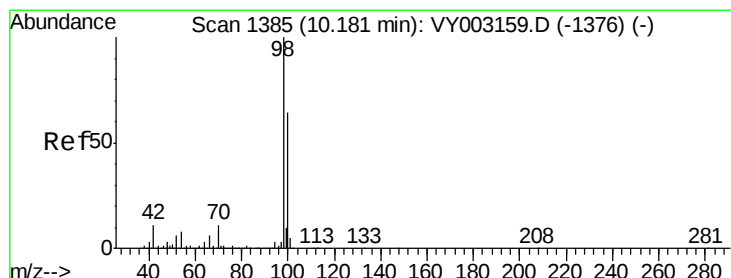
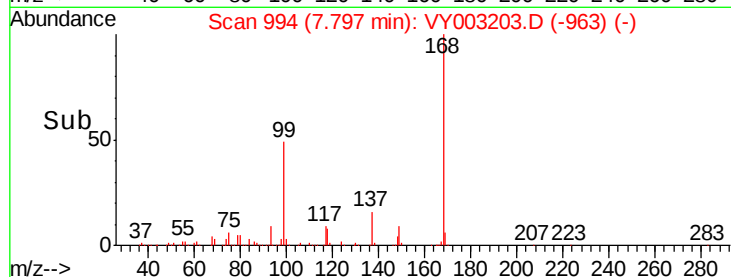
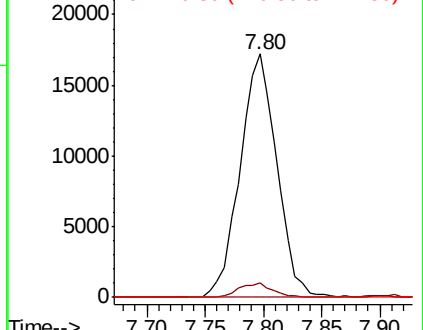
121 0.0 24.2 36.2#



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: 49.014 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003203.D

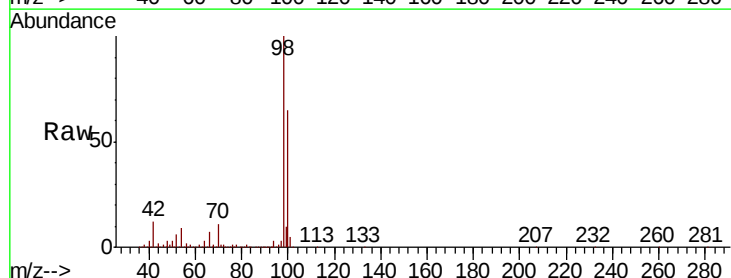
Acq: 16 Jul 2020 11:11

Tgt Ion: 98 Resp: 654088

Ion Ratio Lower Upper

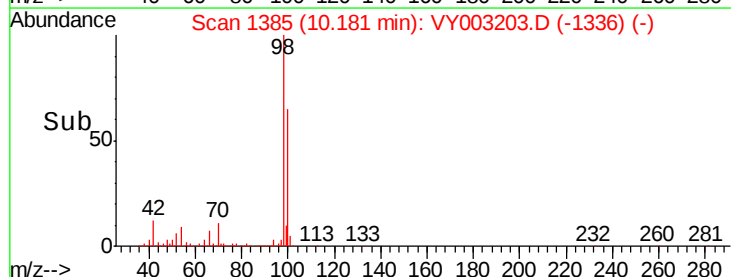
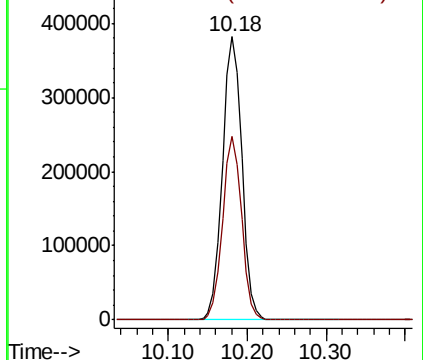
98 100

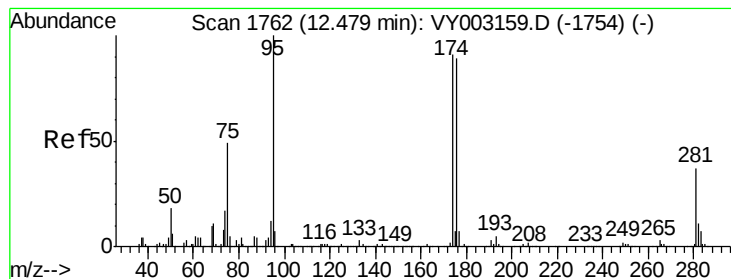
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 47.749 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBL01

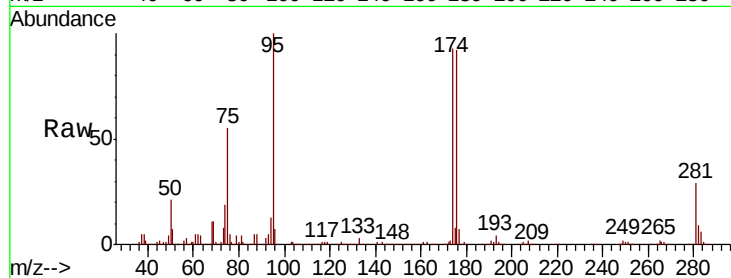
Tot Ion: 95 Resp: 230198

Ion Ratio Lower Upper

95 100

174 94.4 0.0 190.6

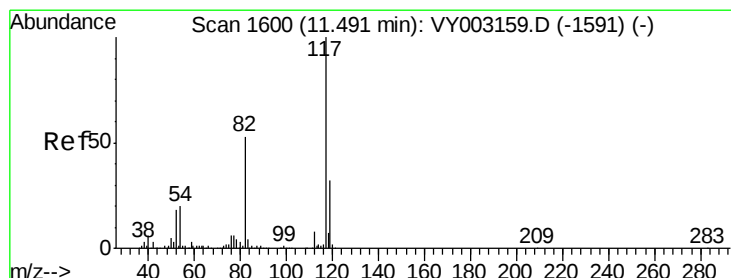
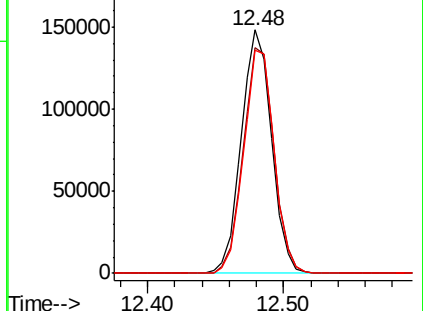
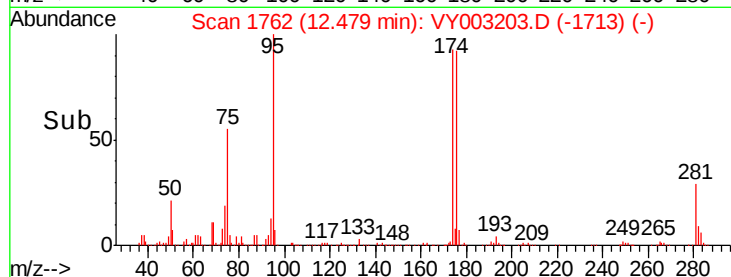
176 92.4 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003203.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003203.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003203.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

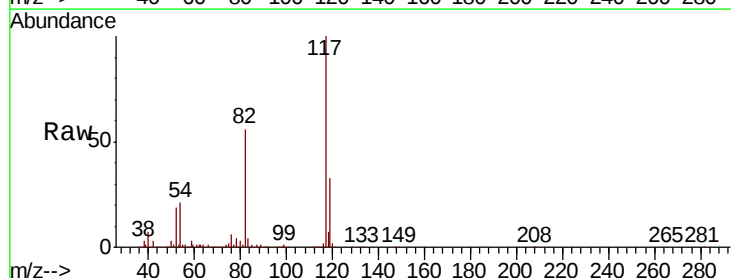
Tgt Ion: 117 Resp: 563725

Ion Ratio Lower Upper

117 100

82 55.9 42.0 63.0

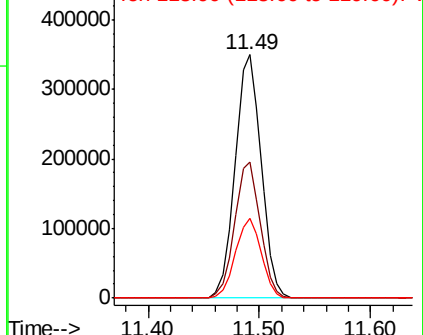
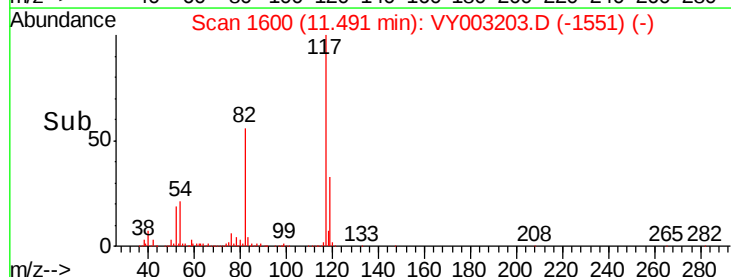
119 32.7 25.5 38.3

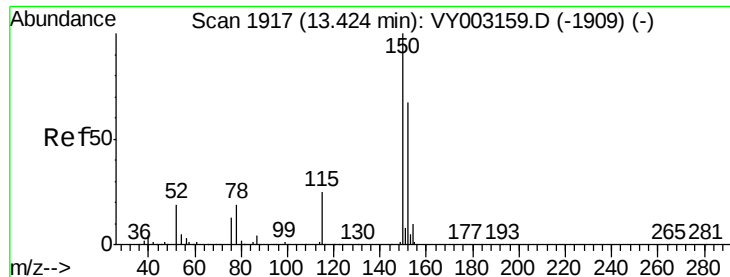


Abundance Ion 116.90 (116.60 to 117.60): VY003203.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003203.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003203.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBL01

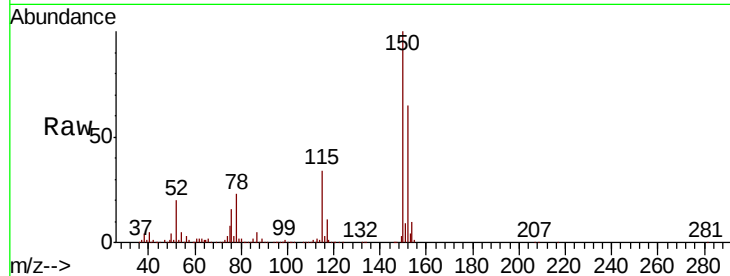
Tot Ion:152 Resp: 290141

Ion Ratio Lower Upper

152 100

115 54.7 26.9 80.7

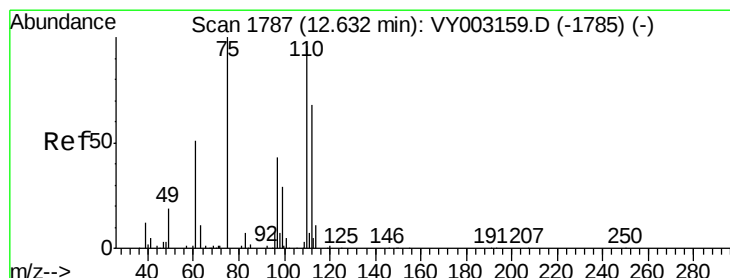
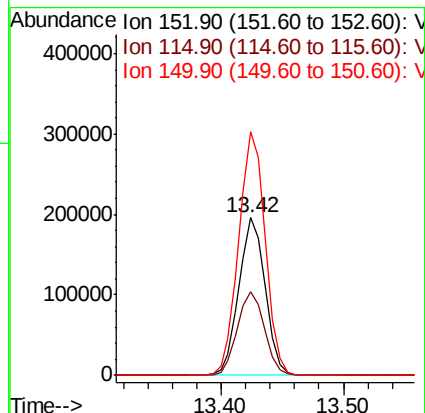
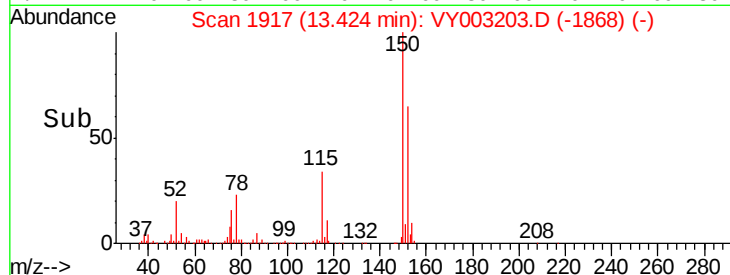
150 155.9 0.0 338.0



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: 47.760 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003203.D

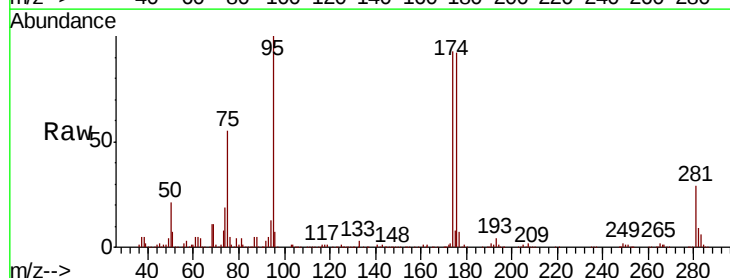
Acq: 16 Jul 2020 11:11

Tgt Ion: 75 Resp: 122659

Ion Ratio Lower Upper

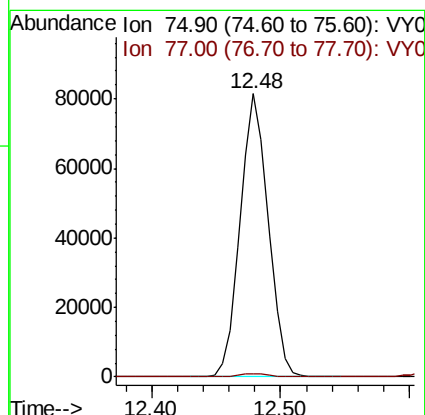
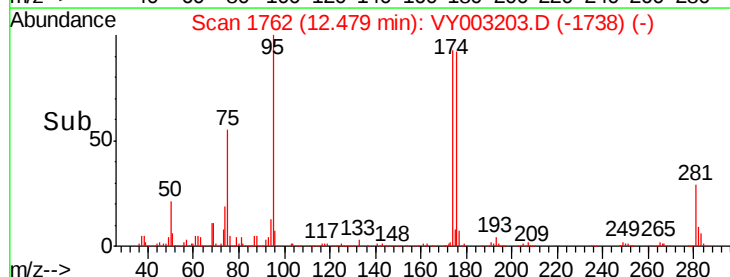
75 100

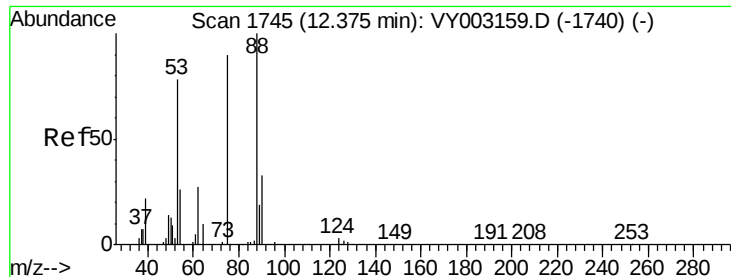
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 92.950 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

Instrument :

MSVOA_Y

ClientSampleId :

VY0716SBL01

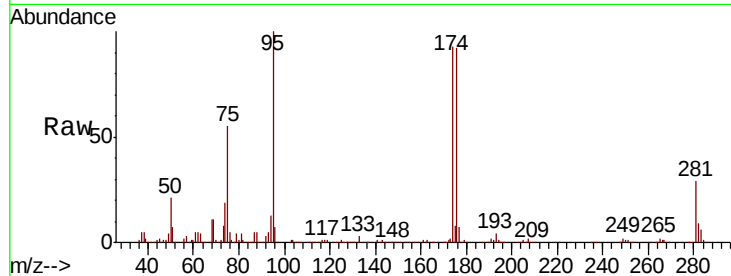
Tot Ion: 75 Resp: 122659

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

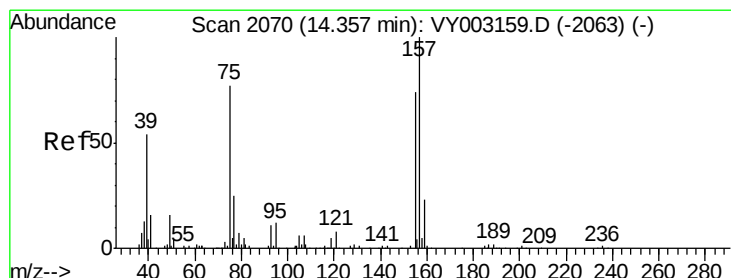
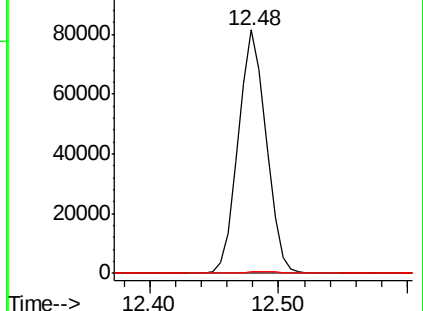
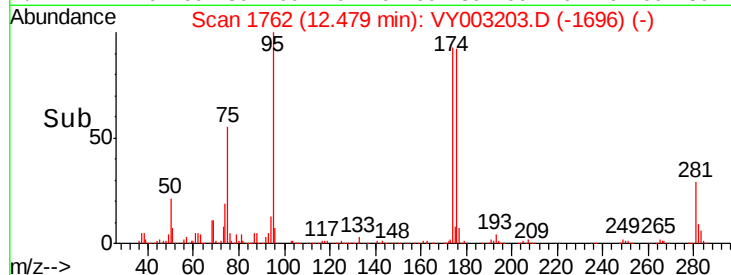
89 0.7 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.192 ug/l

RT: 14.36 min Scan# 2071

Delta R.T. 0.01 min

Lab File: VY003203.D

Acq: 16 Jul 2020 11:11

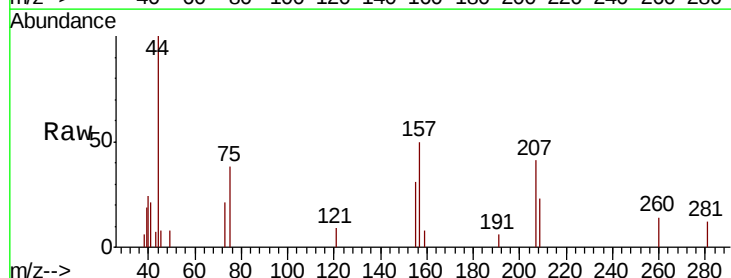
Tgt Ion: 75 Resp: 690

Ion Ratio Lower Upper

75 100

155 87.1 48.1 144.3

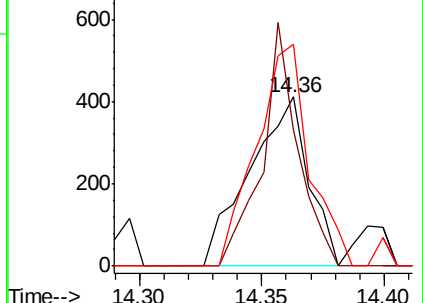
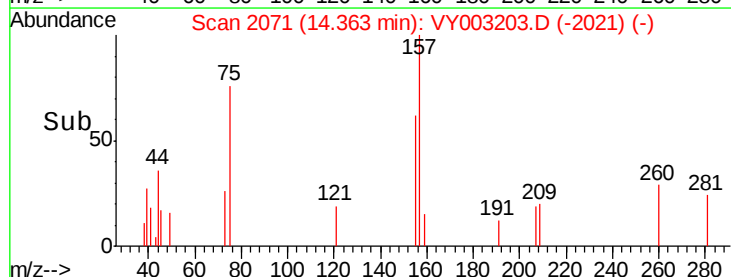
157 117.8 61.9 185.6

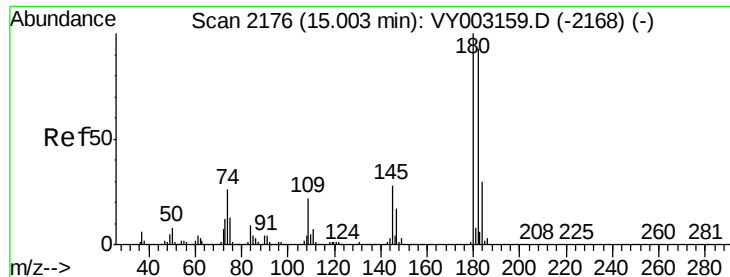


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

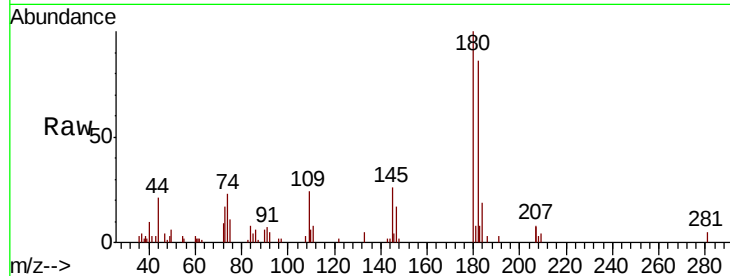




#93
 1,2,4-Trichlorobenzene
 Concen: 1.263 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003203.D
 Acq: 16 Jul 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.7	47.3	142.0
145	25.2	13.7	41.1

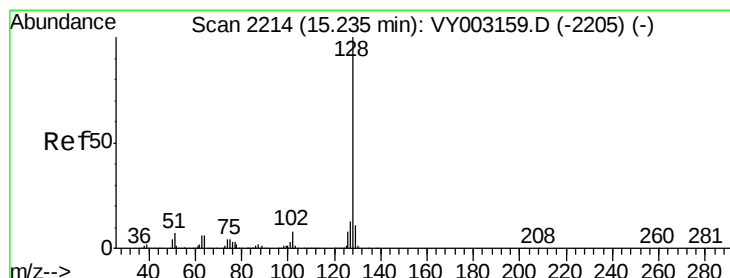
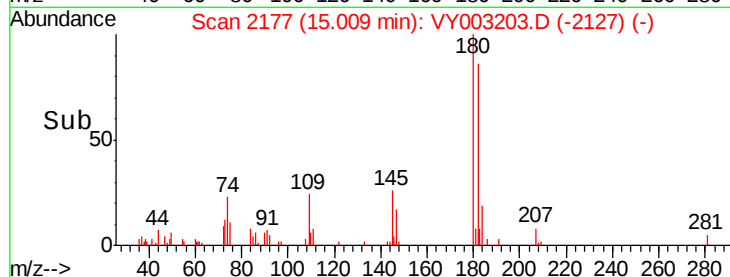
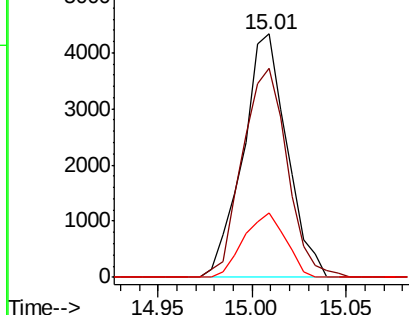


Abundance

Ion 179.80 (179.50 to 180.50): V

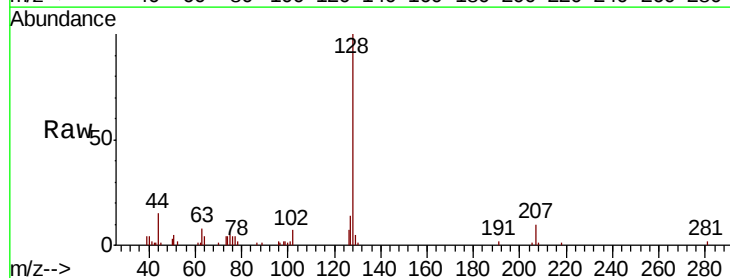
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.575 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: VY003203.D
 Acq: 16 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	9.8	9.0	13.6

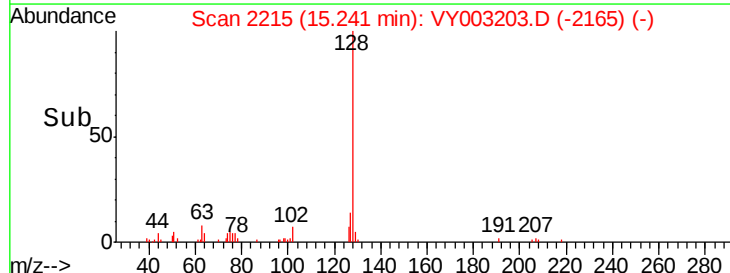
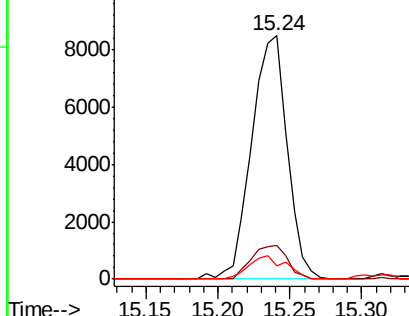


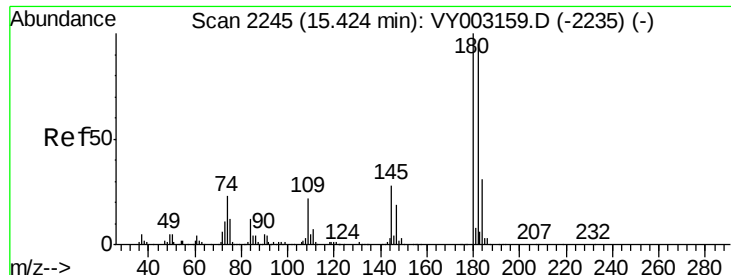
Abundance

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

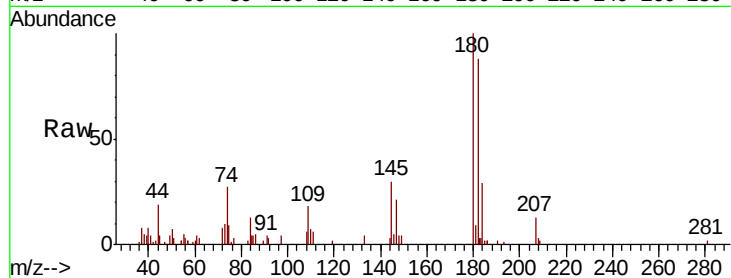




#96
 1,2,3-Trichlorobenzene
 Concen: 1.846 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003203.D
 Acq: 16 Jul 2020 11:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0716SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.8	146.3
145	34.8	14.9	44.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

