

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003037.D
 Acq On : 30 Jun 2020 16:04
 Operator : SY/MD
 Sample : L3153-28
 Misc : 6.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-G

Quant Time: Jul 01 05:14:39 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	365545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	585794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	554263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	260863	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	202382	55.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.48%	
35) Dibromofluoromethane	7.72	113	193112	52.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.70%	
50) Toluene-d8	10.18	98	697175	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.48	95	246049	51.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.68%	

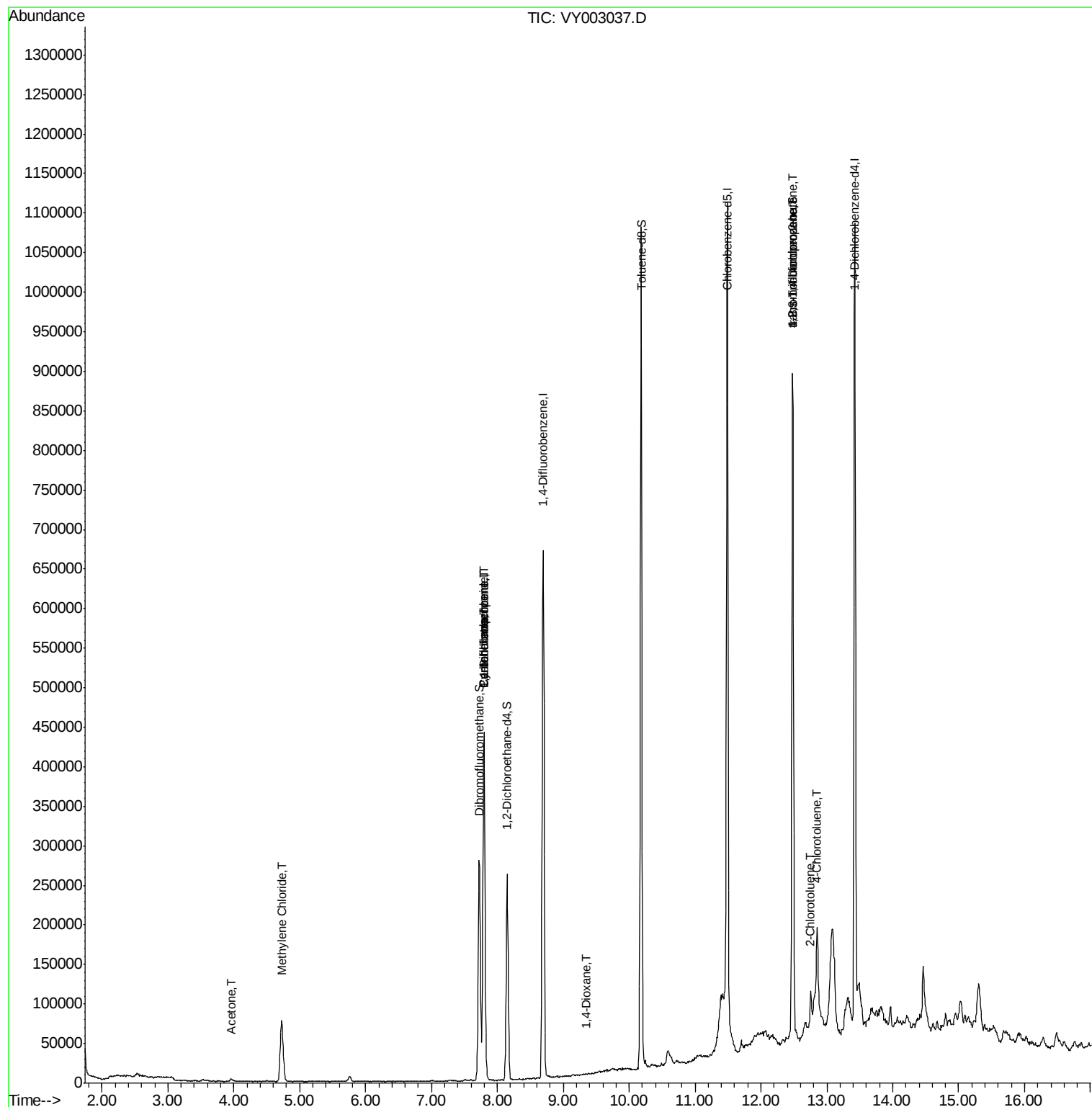
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	5899	6.889	ug/l #	86
20) Methylene Chloride	4.72	84	61285	10.537	ug/l	97
31) Cyclohexane	7.80	56	6489	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24252	4.298	ug/l #	51
38) Carbon Tetrachloride	7.80	117	32735	5.576	ug/l #	16
49) 1,4-Dioxane	9.35	88	44	1.553	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	125360	48.556	ug/l #	100
79) 2-Chlorotoluene	12.75	91	23483	2.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	125360	94.470	ug/l #	13
82) 4-Chlorotoluene	12.85	91	46926	3.933	ug/l	98

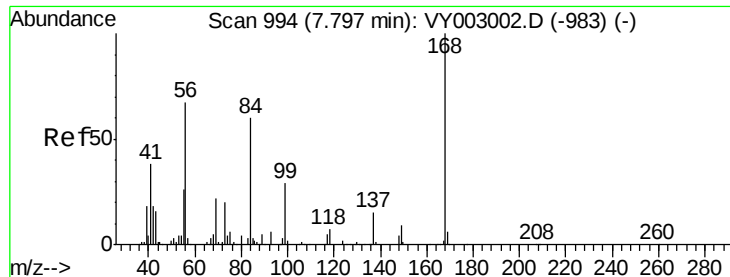
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 30 04:11:35 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: VY003037.D

Acq: 30 Jun 2020 16:04

Instrument :

MSVOA_Y

ClientSampleId :

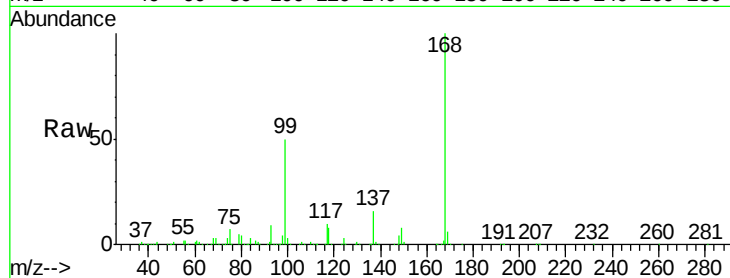
SP2-G

Tot Ion:168 Resp: 365545

Ion Ratio Lower Upper

168 100

99 49.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003037.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003037.D (-945) (-)

7.80

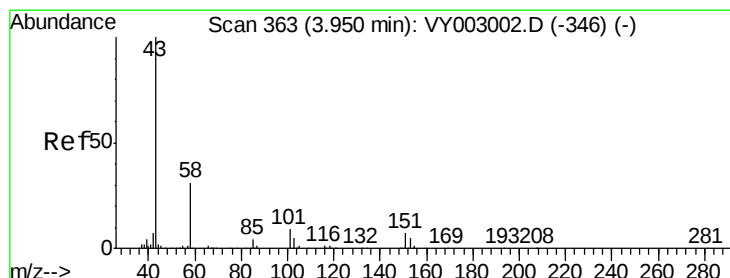
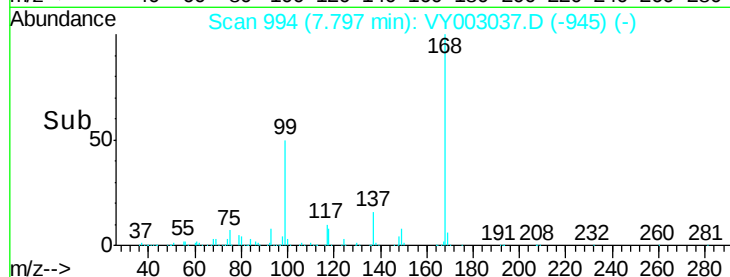
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.889 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003037.D

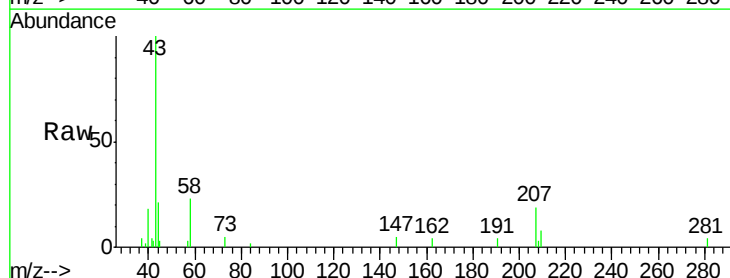
Acq: 30 Jun 2020 16:04

Tgt Ion: 43 Resp: 5899

Ion Ratio Lower Upper

43 100

58 23.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003037.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003037.D (-314) (-)

3.96

3000

2500

2000

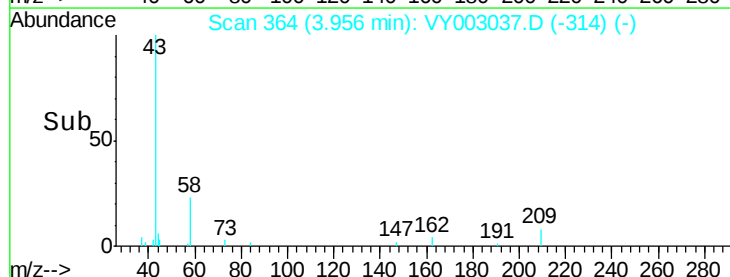
1500

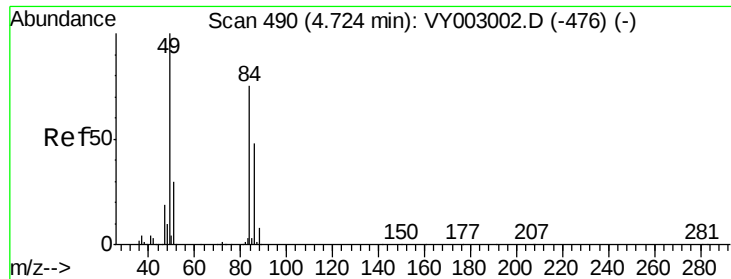
1000

500

0

Time-->

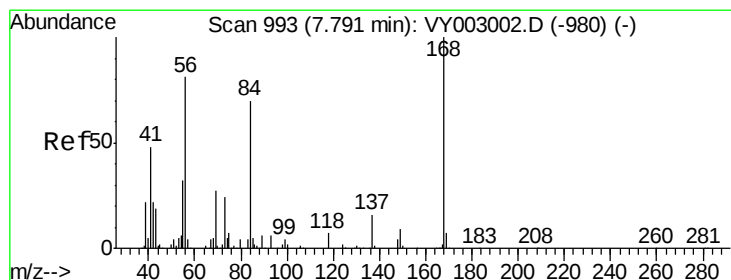
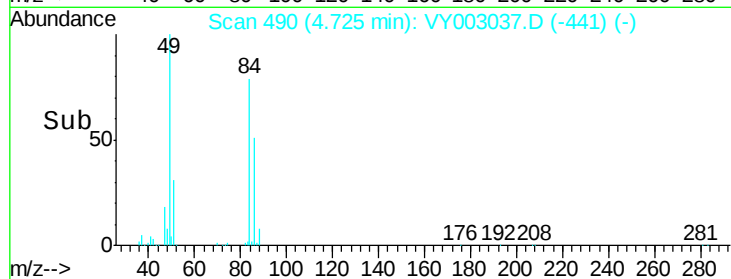
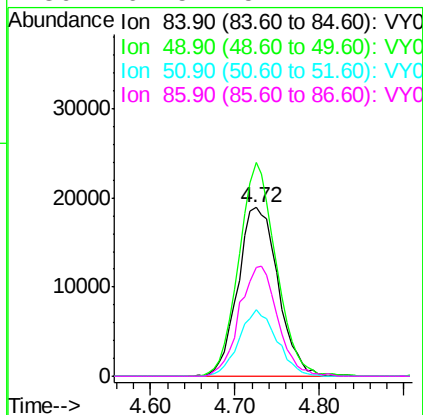
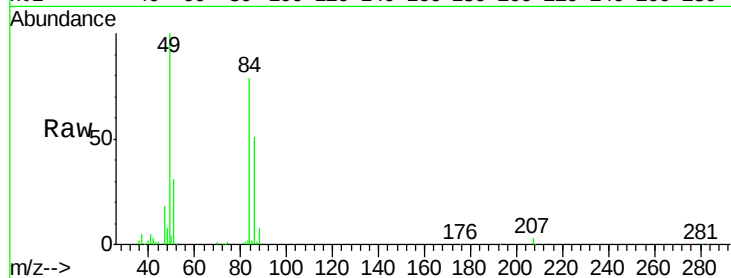




#20
Methvlene Chloride
Concen: 10.537 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003037.D
Acq: 30 Jun 2020 16:04

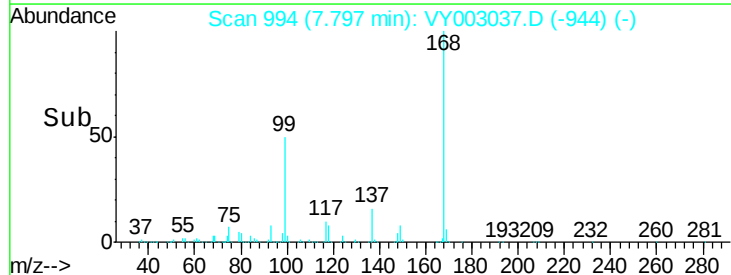
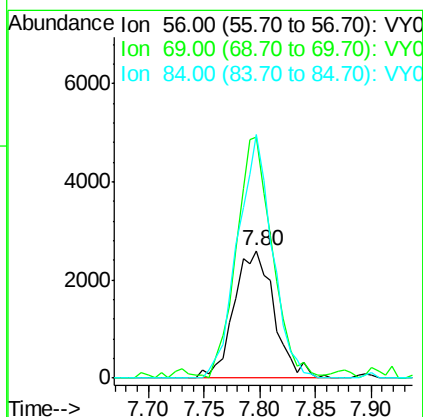
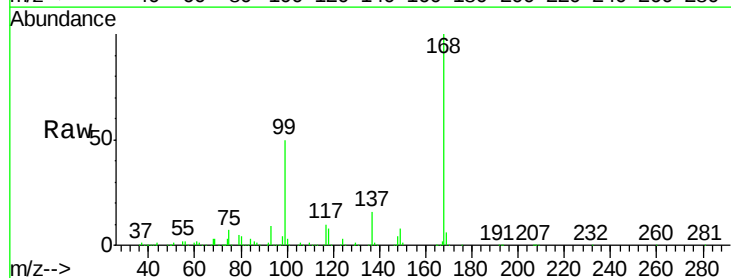
Instrument :
MSVOA_Y
ClientSampleId :
SP2-G

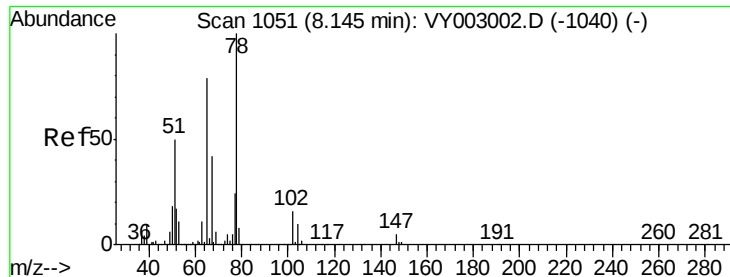
Tot Ion: 84 Resp: 61285
Ion Ratio Lower Upper
84 100
49 126.7 106.8 160.2
51 39.7 32.0 48.0
86 64.5 51.4 77.2



#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003037.D
Acq: 30 Jun 2020 16:04

Tgt Ion: 56 Resp: 6489
Ion Ratio Lower Upper
56 100
69 186.4 27.0 40.4#
84 191.2 68.1 102.1#

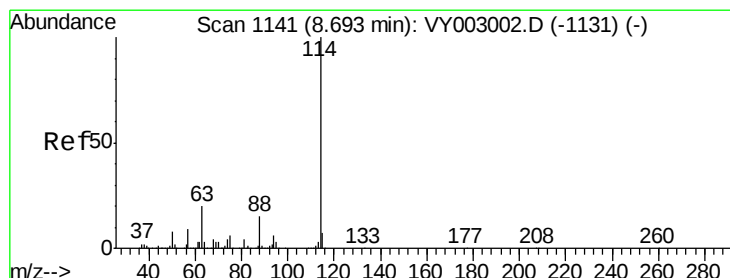
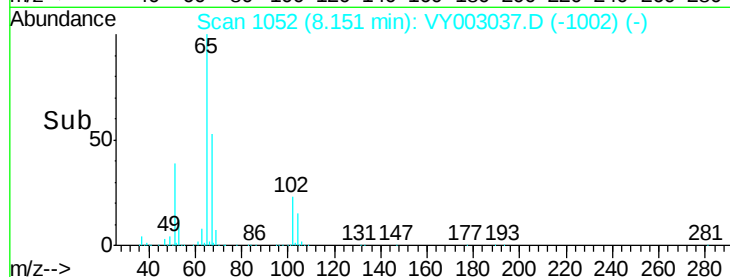
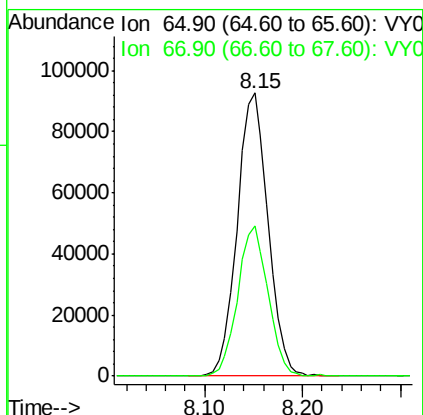
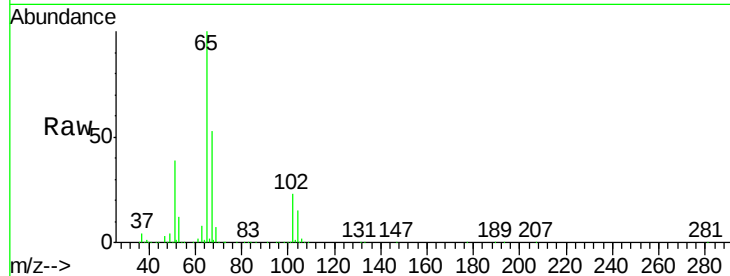




#33
 1,2-Dichloroethane-d4
 Concen: 55.743 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003037.D
 Acq: 30 Jun 2020 16:04

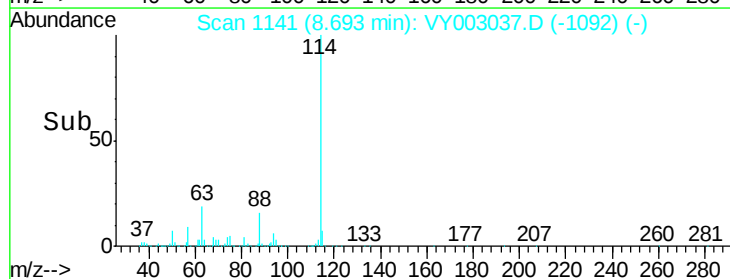
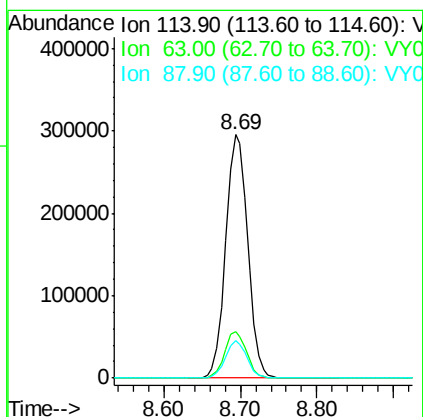
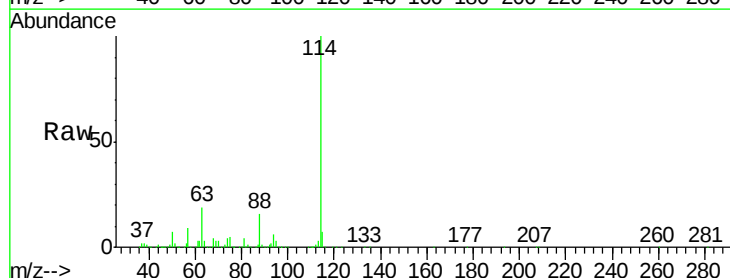
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-G

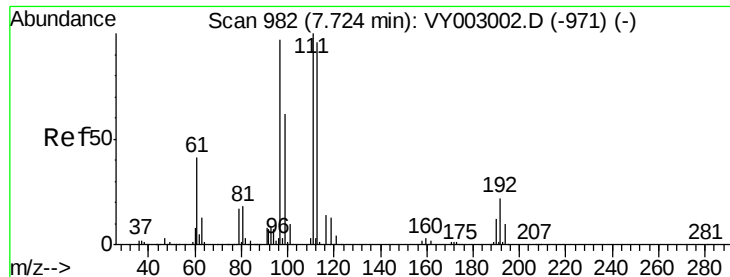
Tot Ion: 65 Resp: 202382
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003037.D
 Acq: 30 Jun 2020 16:04

Tgt Ion: 114 Resp: 585794
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 15.6 0.0 30.0

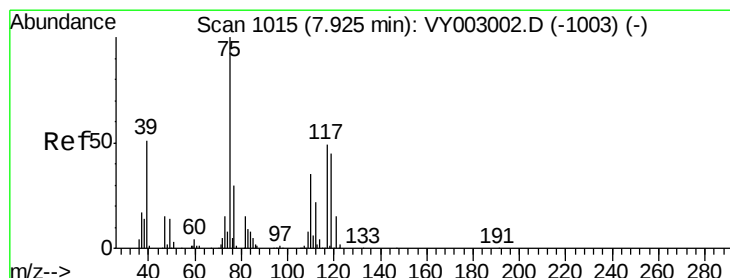
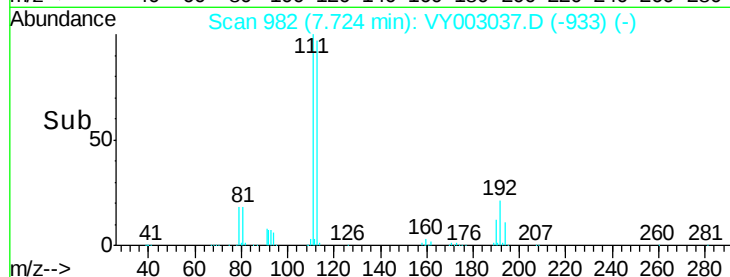
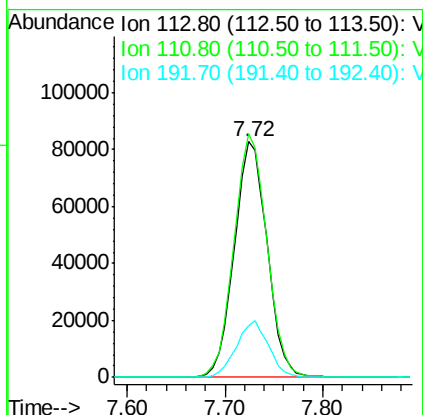
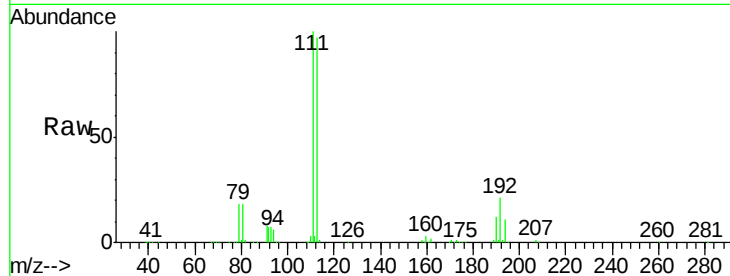




#35
 Dibromofluoromethane
 Concen: 52.845 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003037.D
 Acq: 30 Jun 2020 16:04

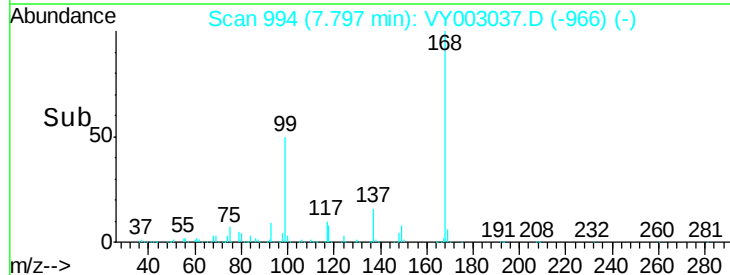
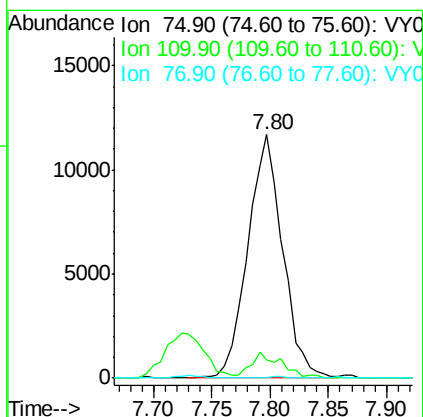
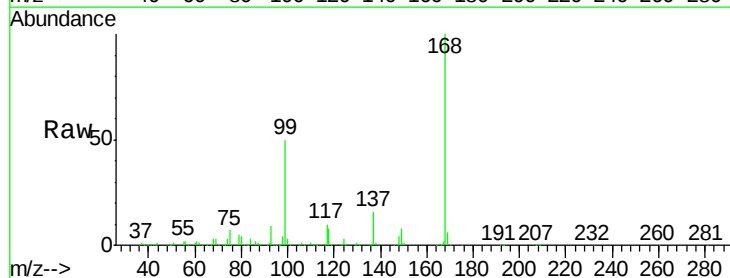
Instrument :
 MSVOA_Y
 ClientSampleId :
 SP2-G

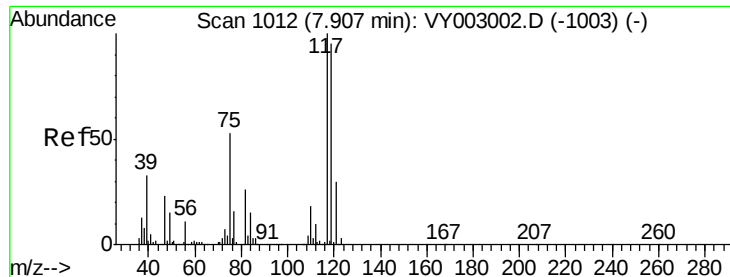
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	23.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.298 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003037.D
 Acq: 30 Jun 2020 16:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.1	51.2#
77	0.3	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.576 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

Instrument :

MSVOA_Y

ClientSampled :

SP2-G

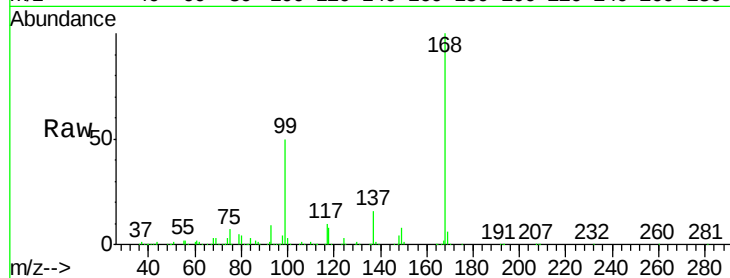
Tot Ion:117 Resp: 32735

Ion Ratio Lower Upper

117 100

119 4.0 75.7 113.5#

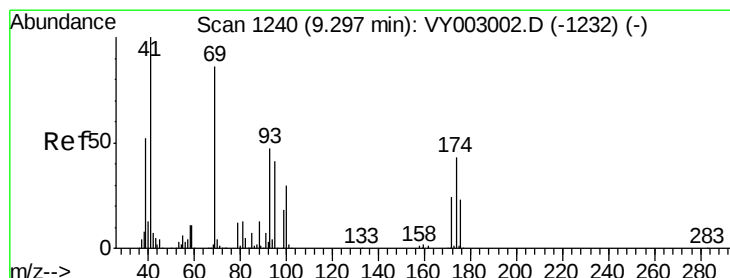
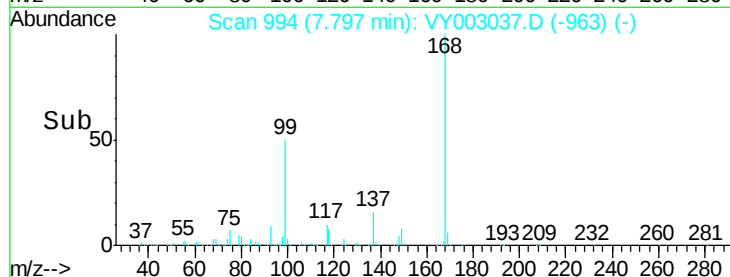
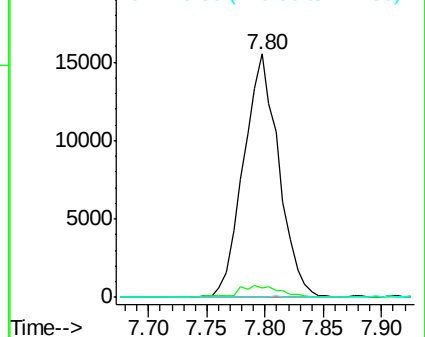
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.553 ug/l

RT: 9.35 min Scan# 1248

Delta R.T. 0.05 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

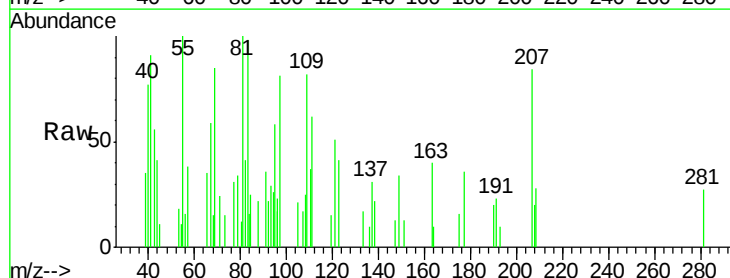
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 302.3 28.6 42.8#

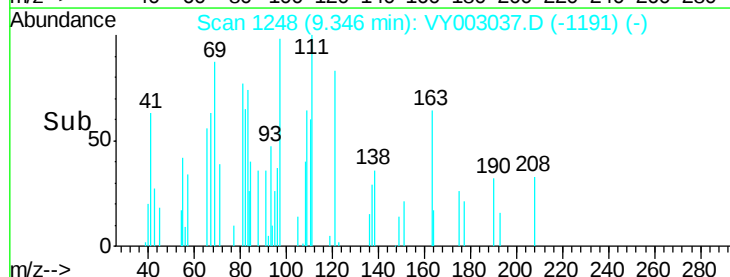
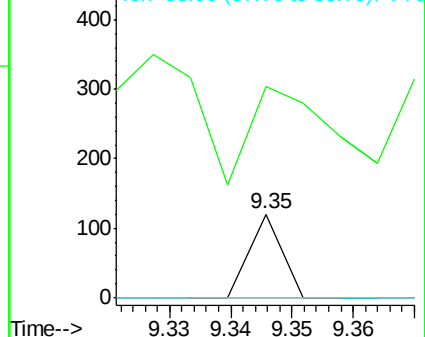
58 0.0 56.7 85.1#

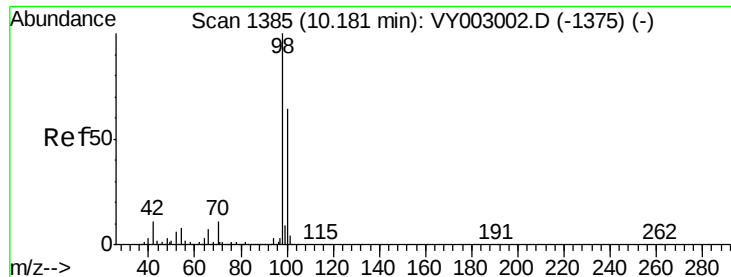


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.211 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

Instrument :

MSVOA_Y

ClientSampleId :

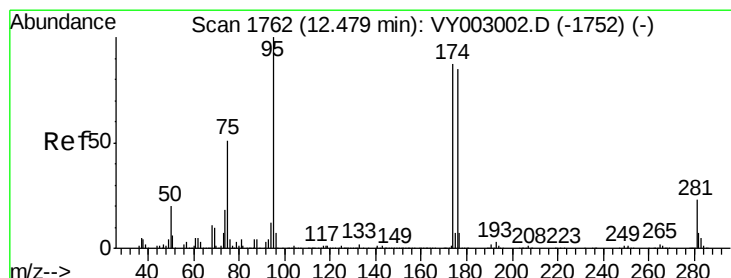
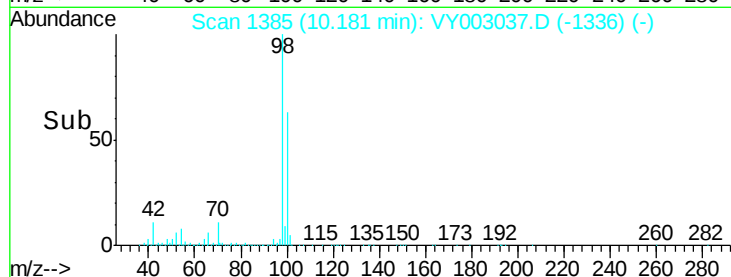
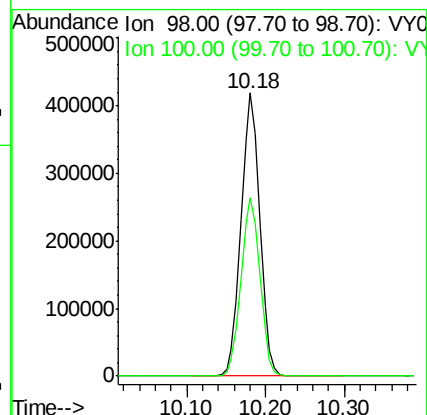
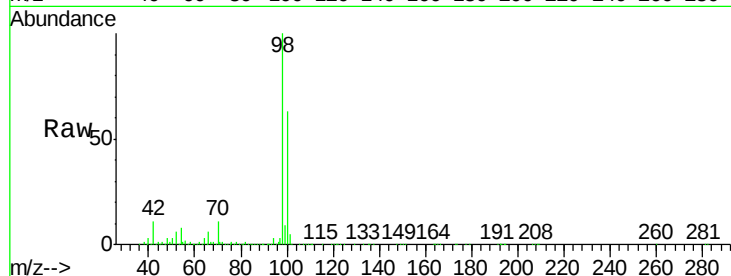
SP2-G

Tot Ion: 98 Resp: 697175

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 51.345 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

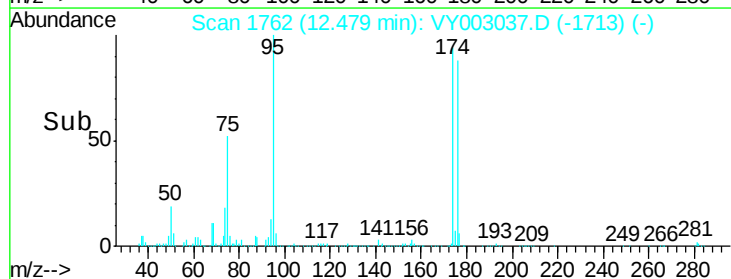
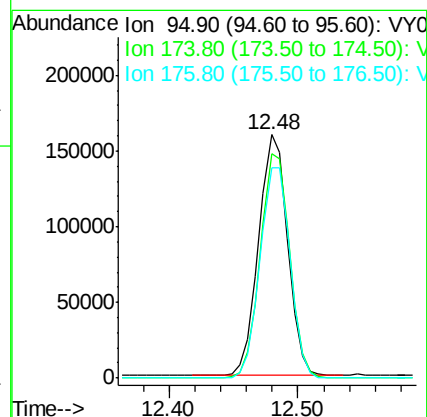
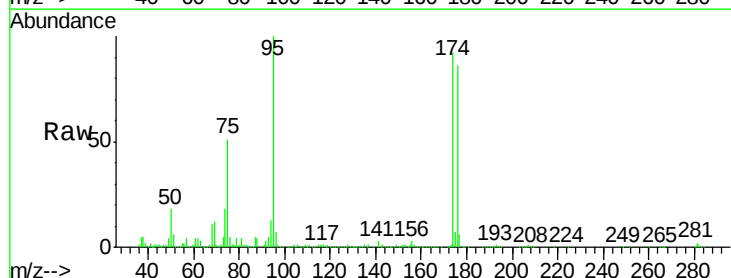
Tgt Ion: 95 Resp: 246049

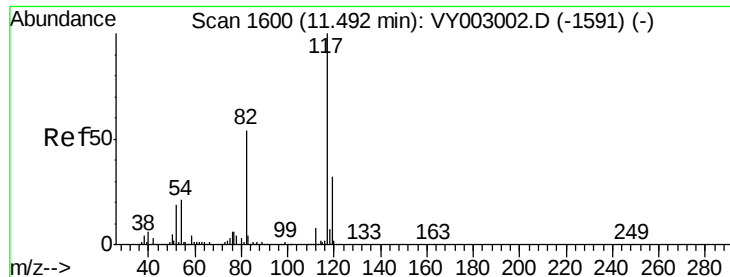
Ion Ratio Lower Upper

95 100

174 94.9 0.0 184.8

176 90.8 0.0 183.0

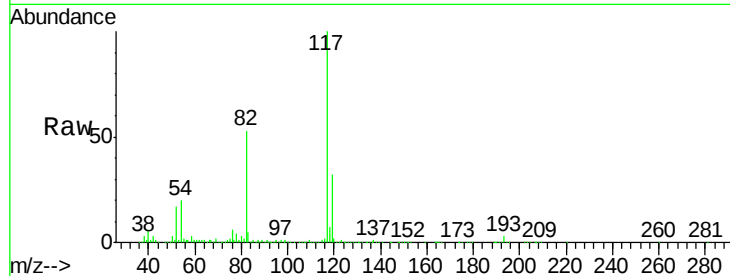




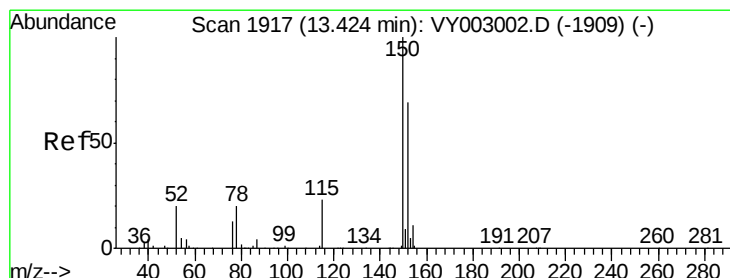
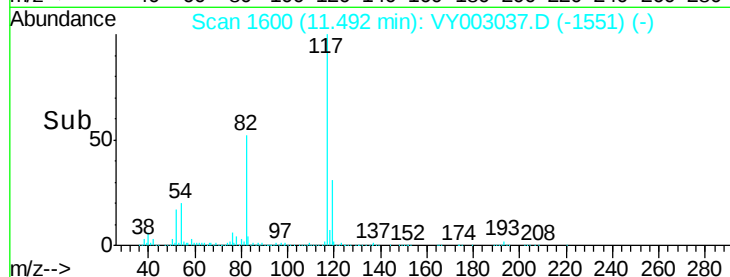
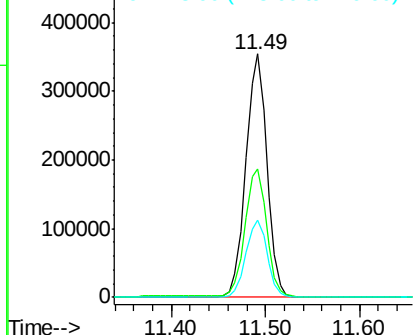
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003037.D
Acq: 30 Jun 2020 16:04

Instrument :
MSVOA_Y
ClientSampleId :
SP2-G

Tot Ion:117 Resp: 554263
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 31.5 25.8 38.8

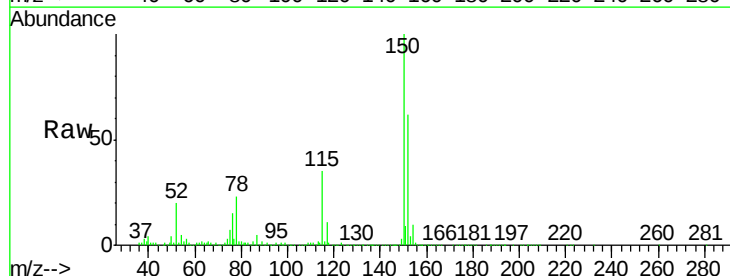


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

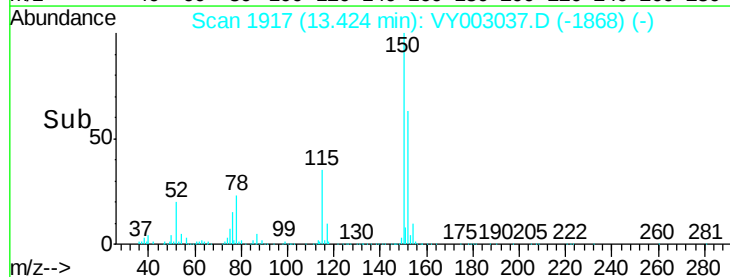
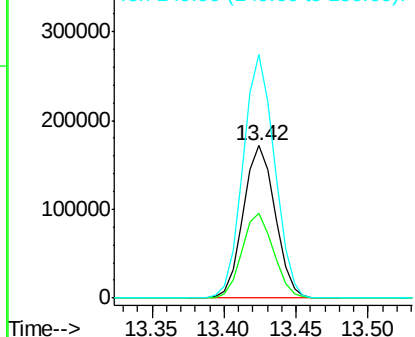


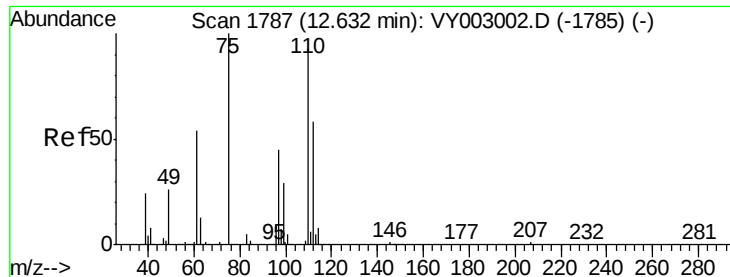
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003037.D
Acq: 30 Jun 2020 16:04

Tgt Ion:152 Resp: 260863
Ion Ratio Lower Upper
152 100
115 55.0 27.3 81.9
150 158.8 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 48.556 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

Instrument :

MSVOA_Y

ClientSampleId :

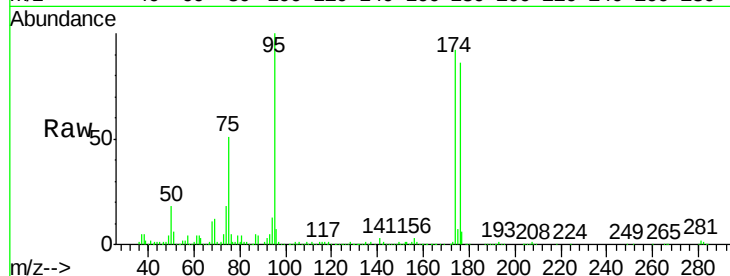
SP2-G

Tot Ion: 75 Resp: 125360

Ion Ratio Lower Upper

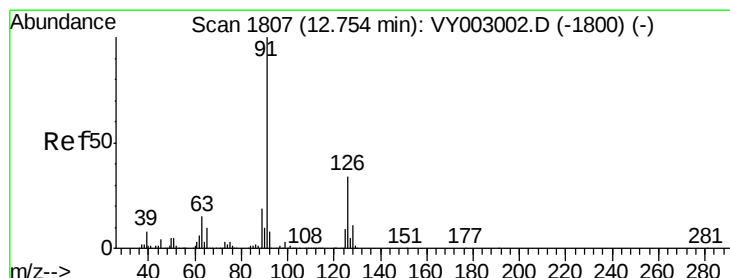
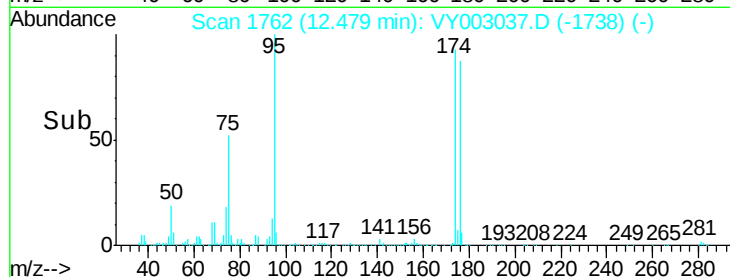
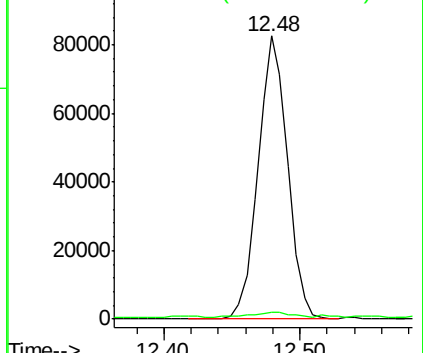
75 100

77 2.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#79

2-Chlorotoluene

Concen: 2.049 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY003037.D

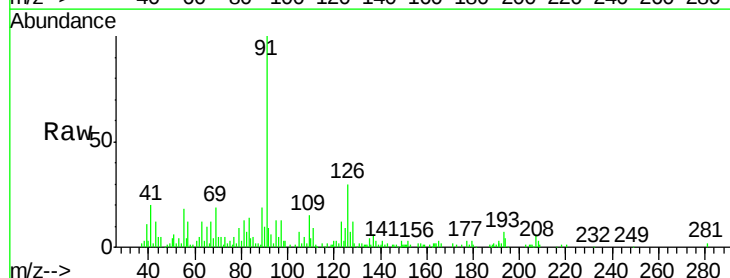
Acq: 30 Jun 2020 16:04

Tgt Ion: 91 Resp: 23483

Ion Ratio Lower Upper

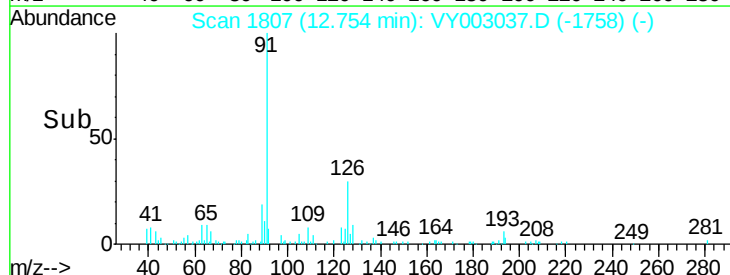
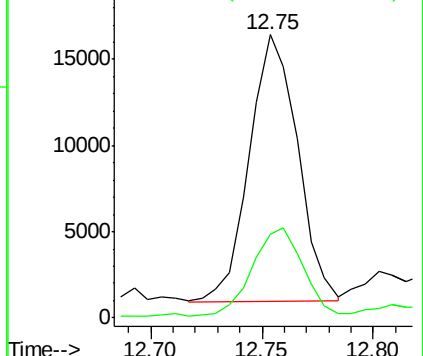
91 100

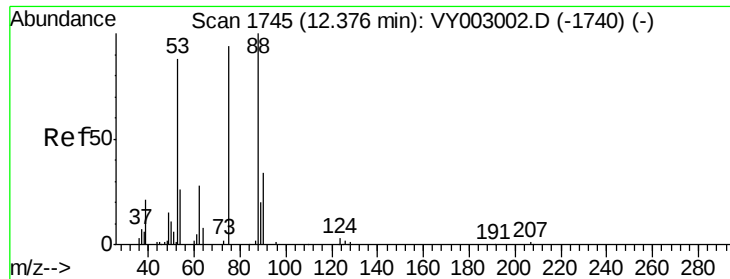
126 34.5 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 94.470 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003037.D

Acq: 30 Jun 2020 16:04

Instrument :

MSVOA_Y

ClientSampleId :

SP2-G

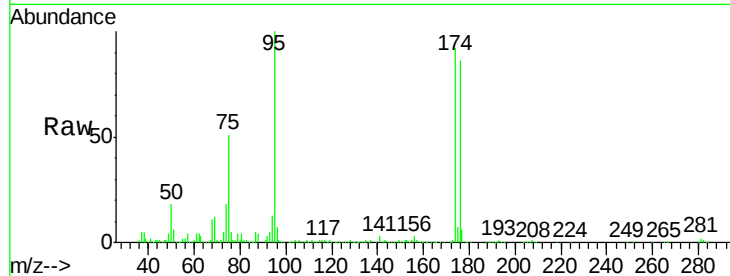
Tot Ion: 75 Resp: 125360

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

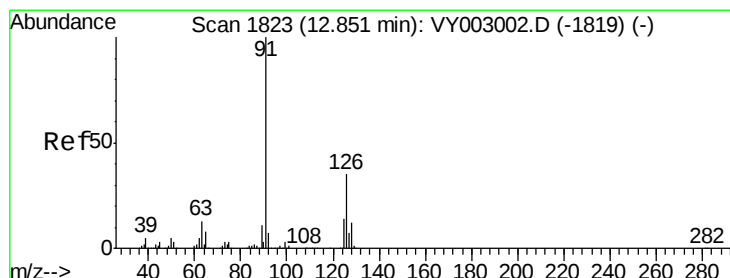
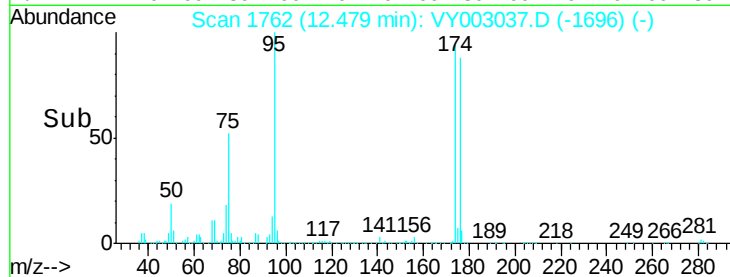
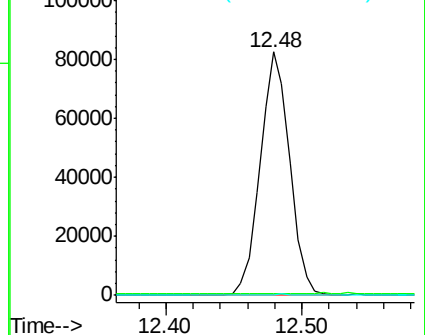
89 0.5 37.5 56.3#



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



#82

4-Chlorotoluene

Concen: 3.933 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY003037.D

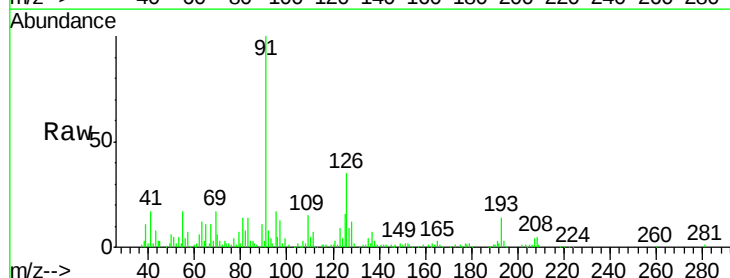
Acq: 30 Jun 2020 16:04

Tgt Ion: 91 Resp: 46926

Ion Ratio Lower Upper

91 100

126 33.6 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

