

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003062.D
 Acq On : 01 Jul 2020 16:36
 Operator : SY/MD
 Sample : L3162-02
 Misc : 5.09G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GL-SP

Quant Time: Jul 02 03:17:11 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	306978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	496204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	446637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	178925	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	173659	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	
35) Dibromofluoromethane	7.72	113	165235	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
50) Toluene-d8	10.18	98	593339	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.48	95	178691	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

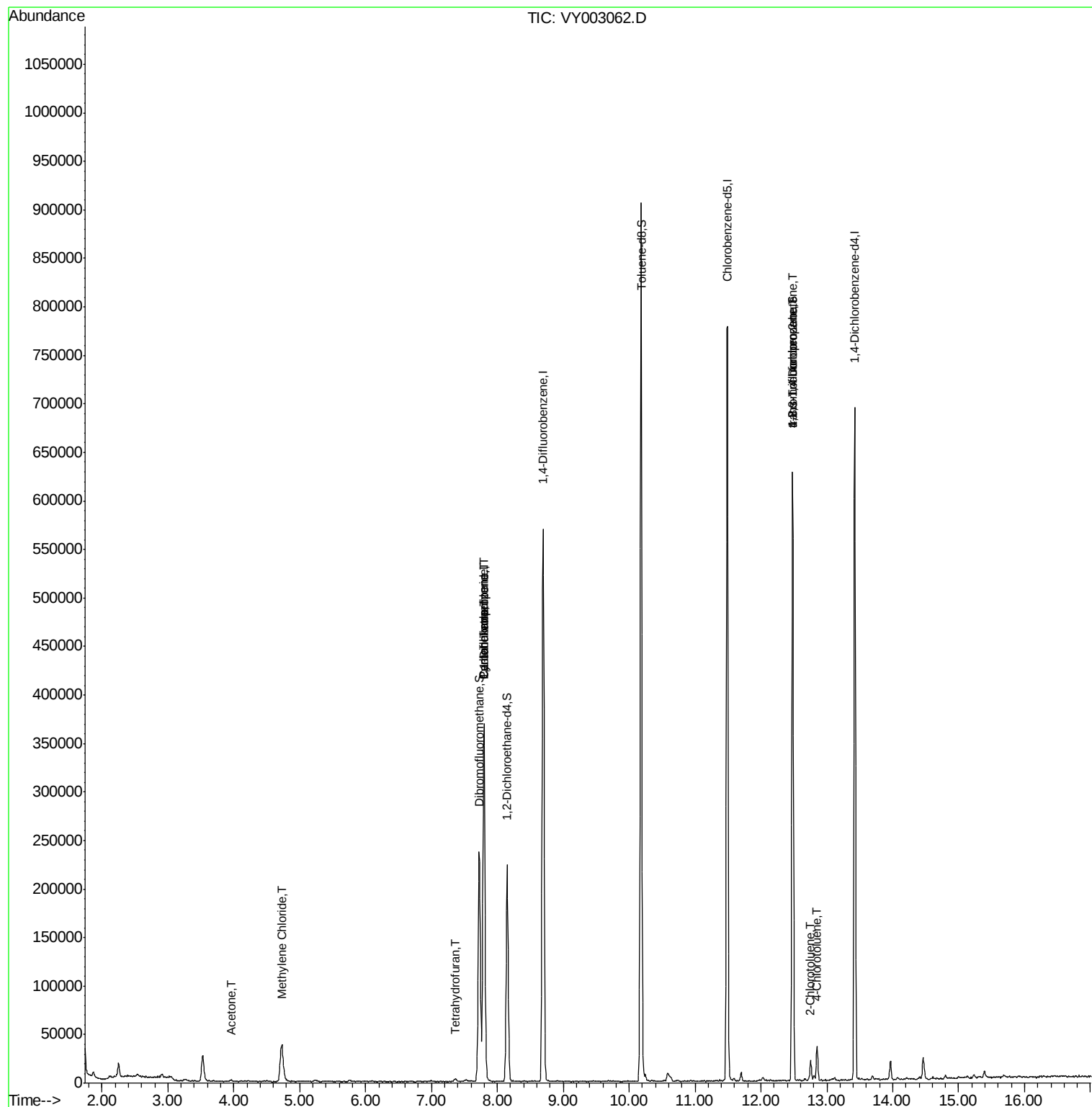
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	1786	2.484	ug/l #	85
20) Methylene Chloride	4.72	84	29298	2.510	ug/l	89
29) Tetrahydrofuran	7.35	42	2020	2.659	ug/l #	90
31) Cyclohexane	7.80	56	5837	1.089	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	21343	4.465	ug/l #	50
38) Carbon Tetrachloride	7.79	117	28300	5.691	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	92399	52.179	ug/l #	100
79) 2-Chlorotoluene	12.75	91	9890	1.258	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.48	75	92399	101.519	ug/l #	12
82) 4-Chlorotoluene	12.85	91	19060	2.329	ug/l	98

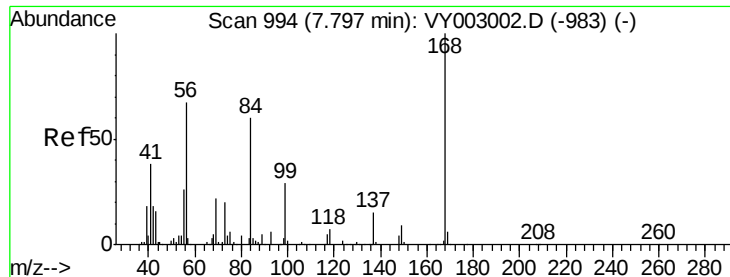
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 03:17:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
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: VY003062.D

Acq: 01 Jul 2020 16:36

Instrument :

MSVOA_Y

ClientSampleId :

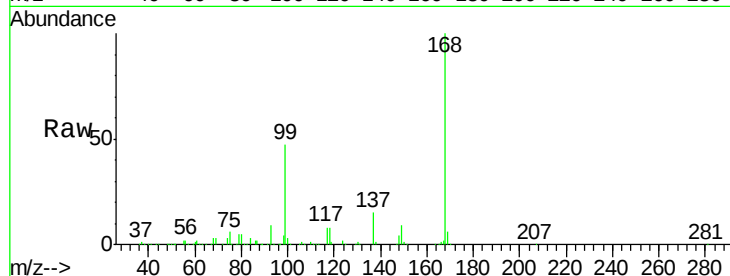
GL-SP

Tot Ion:168 Resp: 306978

Ion Ratio Lower Upper

168 100

99 47.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

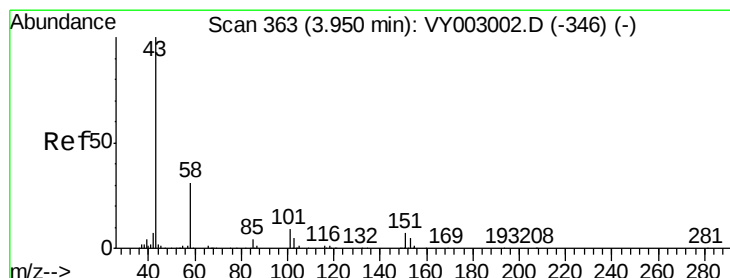
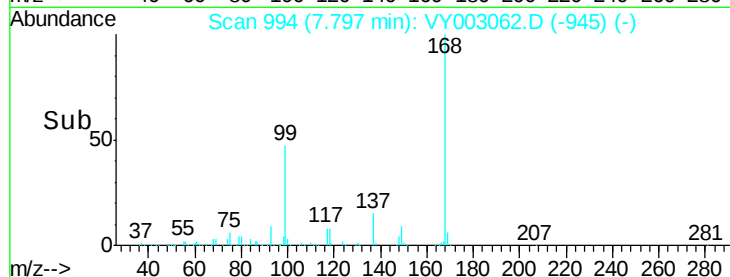
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.484 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003062.D

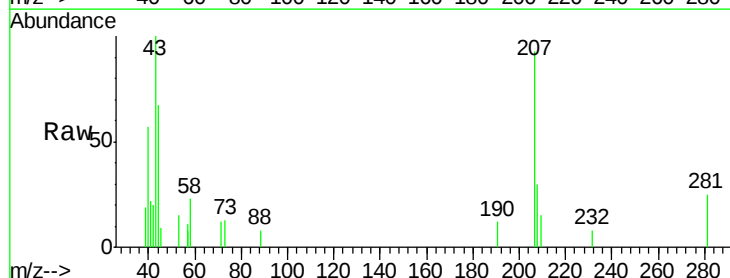
Acq: 01 Jul 2020 16:36

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

58 22.9 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

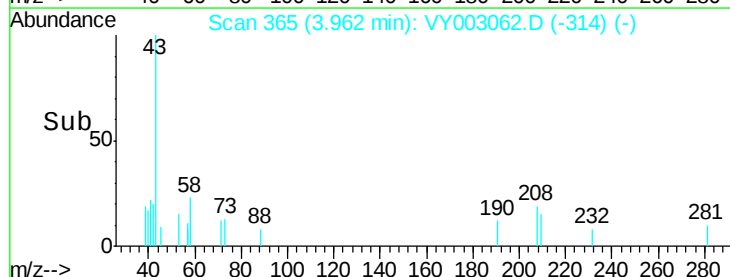
600

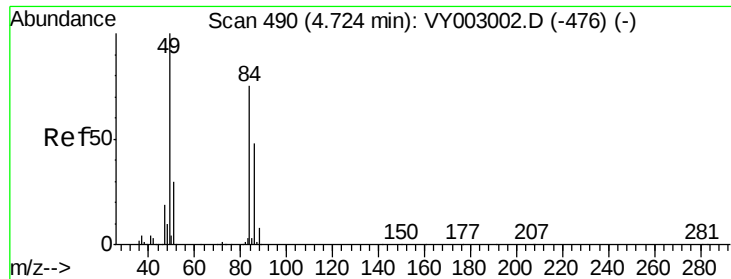
400

200

0

Time-->

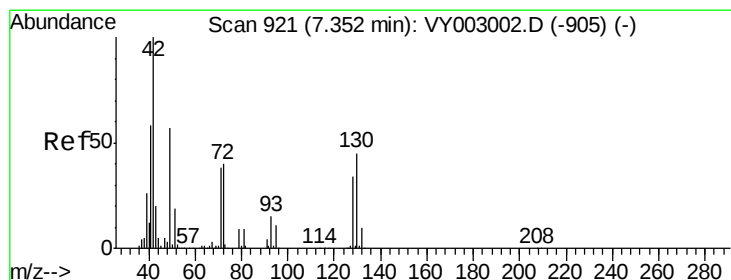
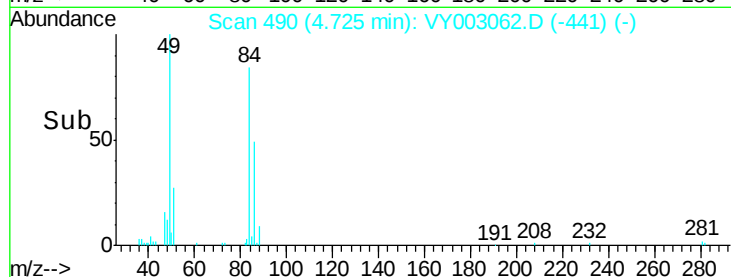
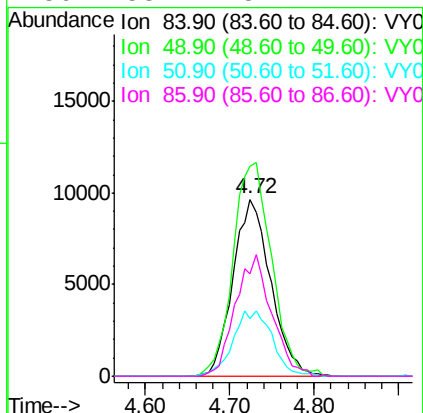
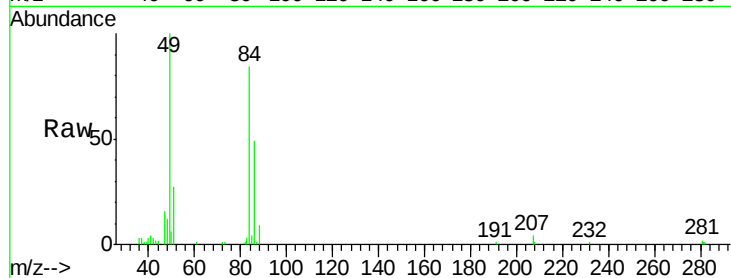




#20
Methvlene Chloride
Concen: 2.510 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

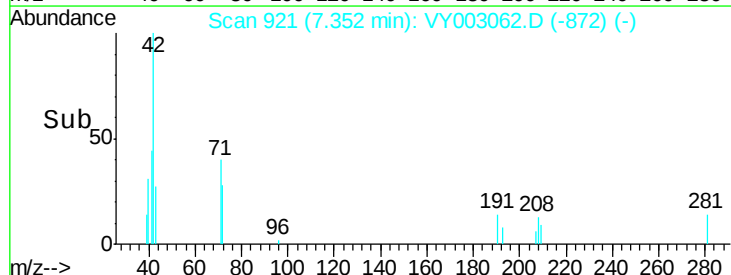
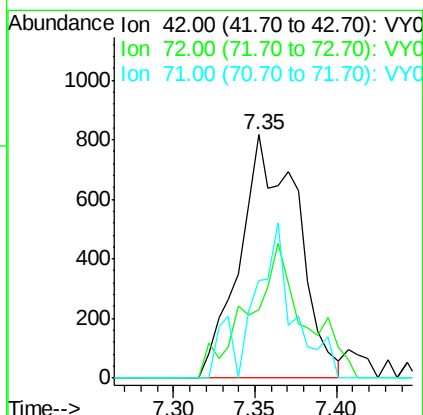
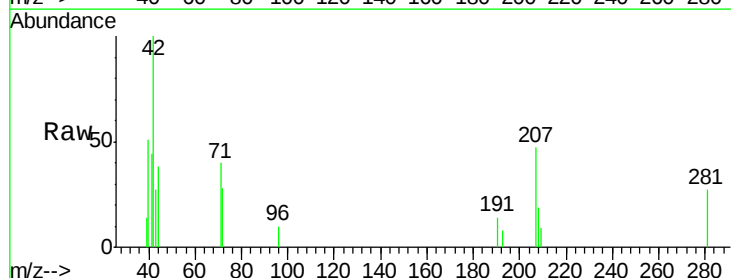
Instrument :
MSVOA_Y
ClientSampleId :
GL-SP

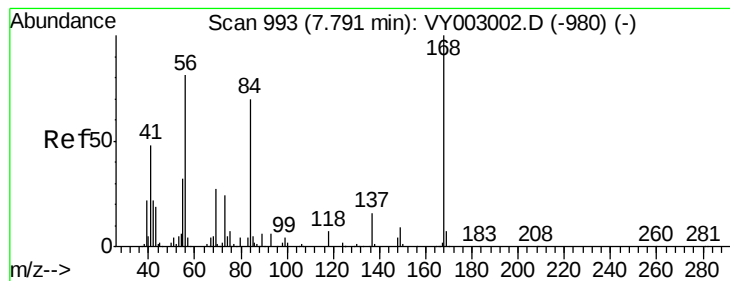
Tot Ion:	84	Resp:	29298
Ion	Ratio	Lower	Upper
84	100		
49	118.5	106.8	160.2
51	32.6	32.0	48.0
86	58.1	51.4	77.2



#29
Tetrahydrofuran
Concen: 2.659 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

Tgt Ion:	42	Resp:	2020
Ion	Ratio	Lower	Upper
42	100		
72	52.4	32.9	49.3#
71	38.6	31.2	46.8





#31

Cyclohexane

Concen: 1.089 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

Instrument :

MSVOA_Y

ClientSampleId :

GL-SP

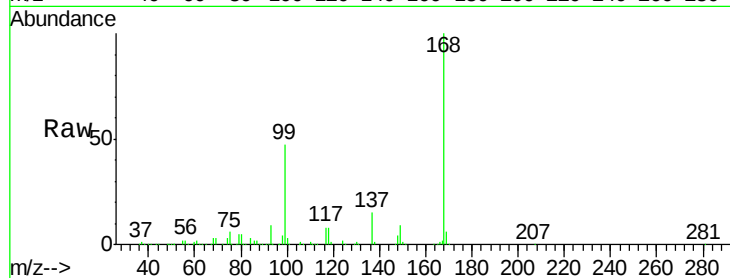
Tot Ion: 56 Resp: 5837

Ion Ratio Lower Upper

56 100

69 163.9 27.0 40.4#

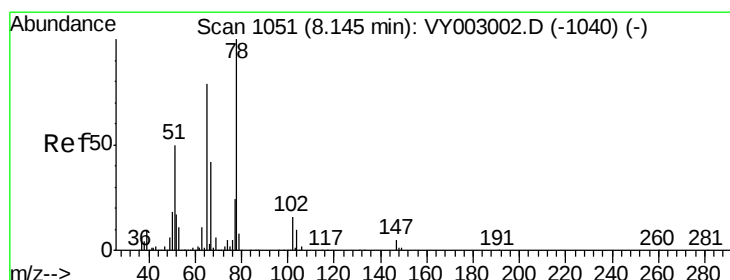
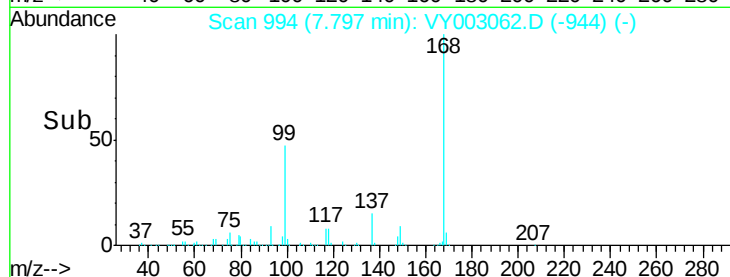
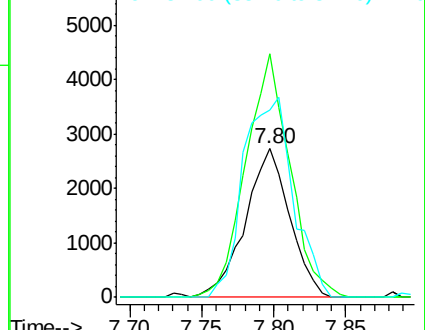
84 126.0 68.1 102.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 56.958 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003062.D

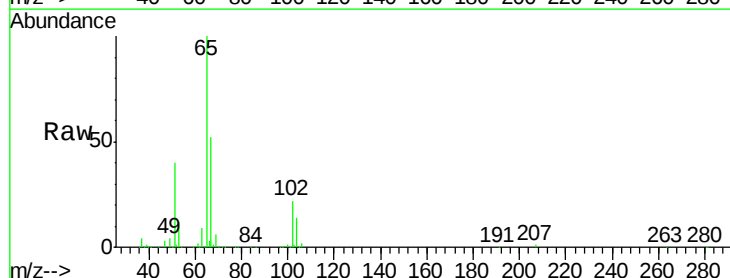
Acq: 01 Jul 2020 16:36

Tgt Ion: 65 Resp: 173659

Ion Ratio Lower Upper

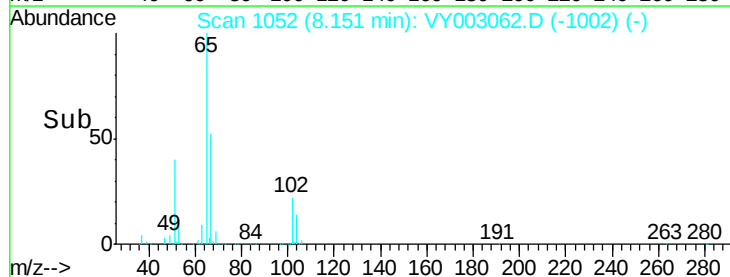
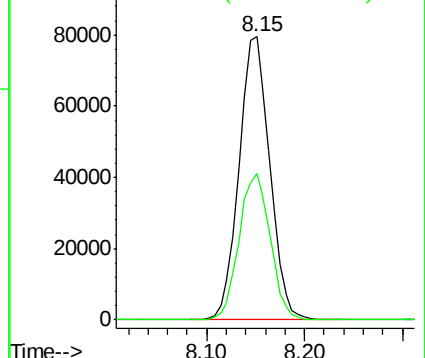
65 100

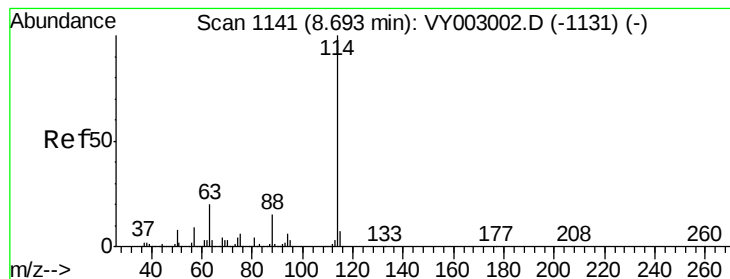
67 52.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

Instrument :

MSVOA_Y

ClientSampleId :

GL-SP

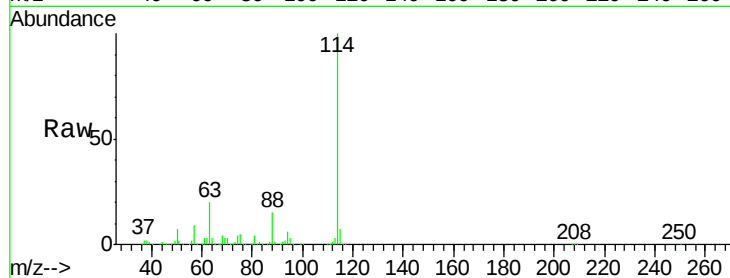
Tot Ion:114 Resp: 496204

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

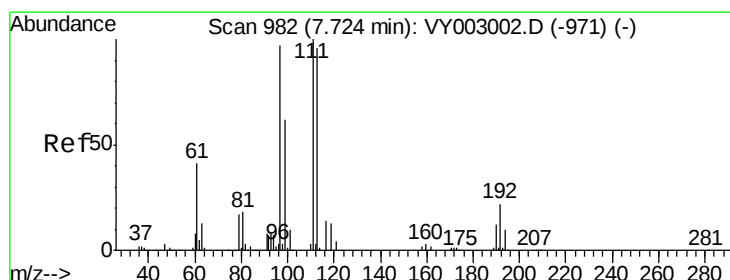
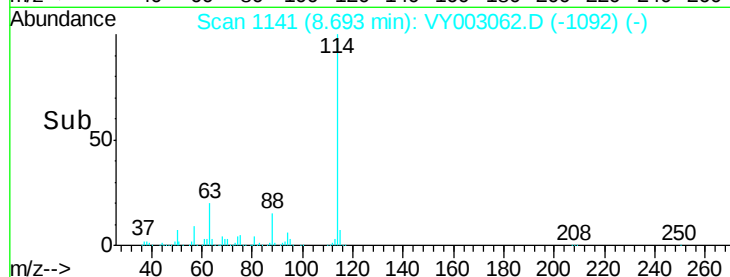
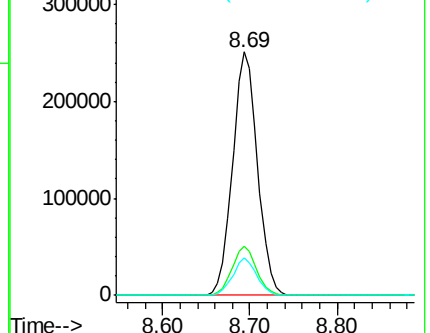
88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.381 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

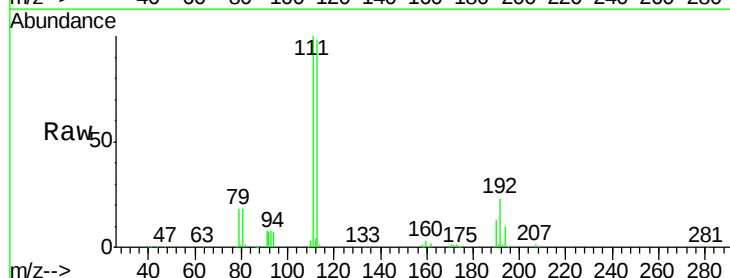
Tgt Ion:113 Resp: 165235

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

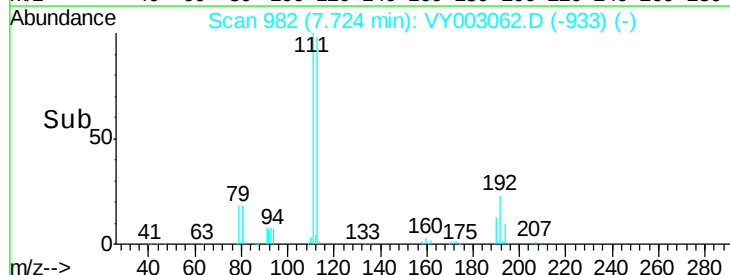
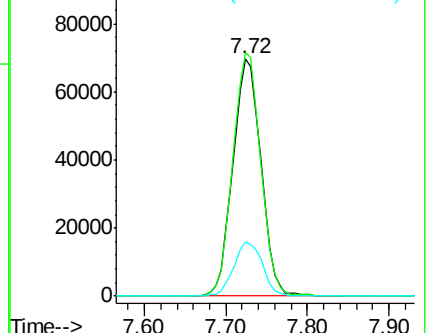
192 23.1 18.1 27.1

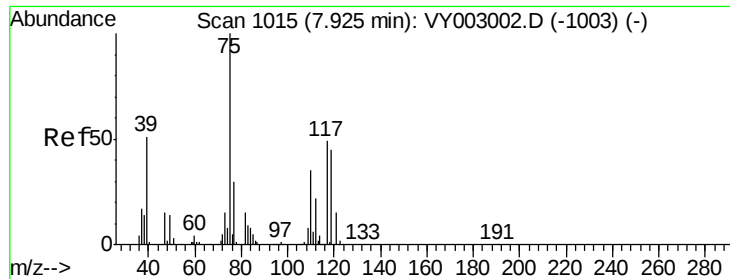


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.465 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

Instrument :

MSVOA_Y

ClientSampleId :

GL-SP

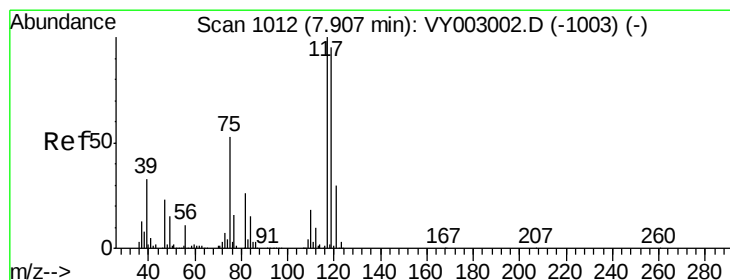
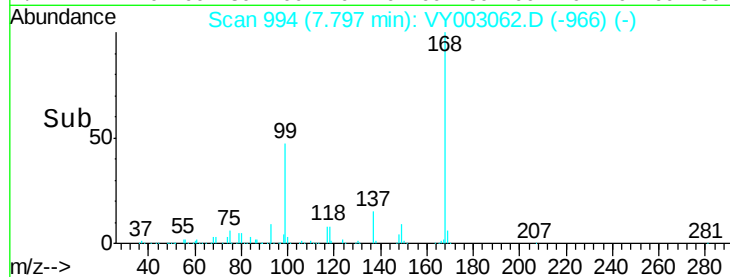
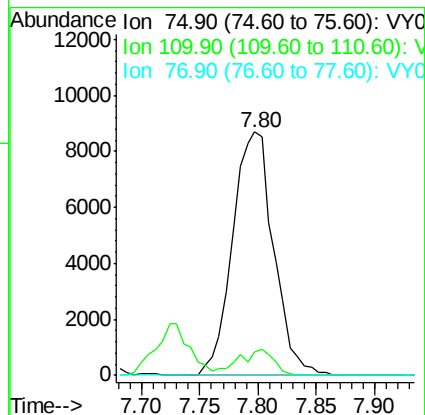
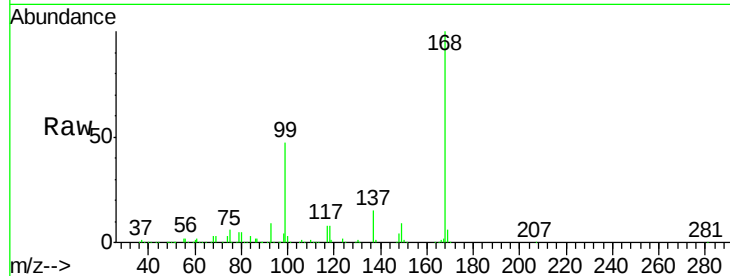
Tot Ion: 75 Resp: 21343

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.691 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

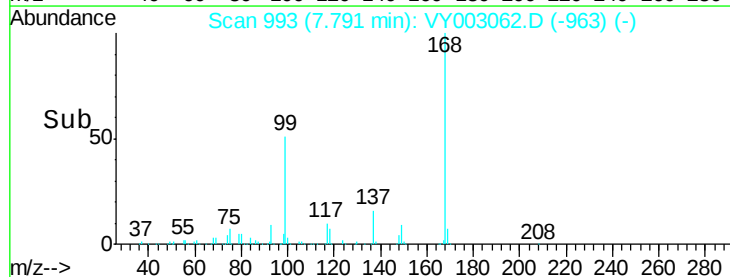
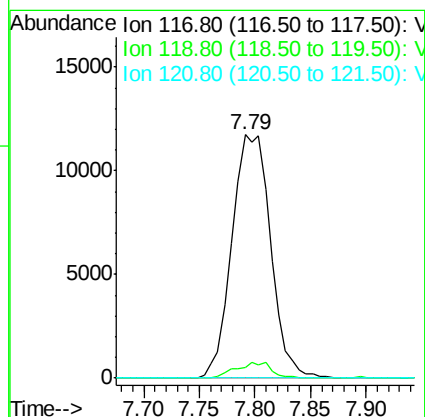
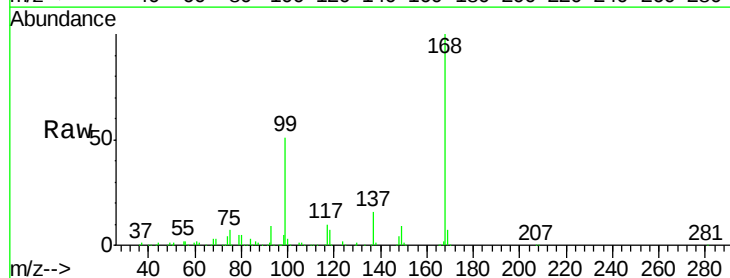
Tgt Ion: 117 Resp: 28300

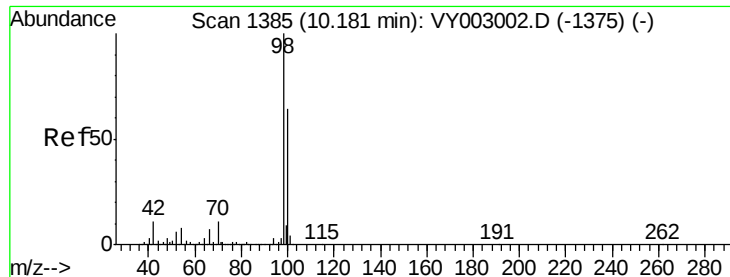
Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.453 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

Instrument :

MSVOA_Y

ClientSampleId :

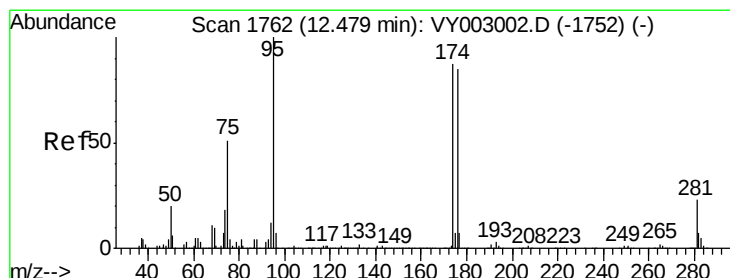
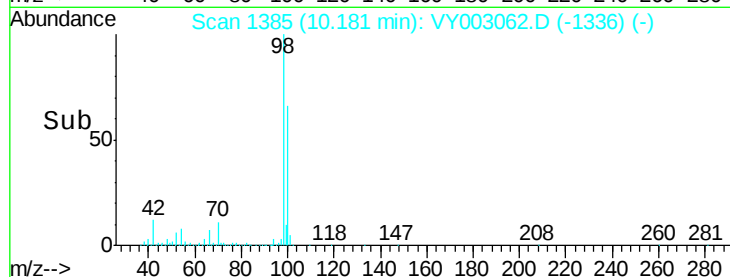
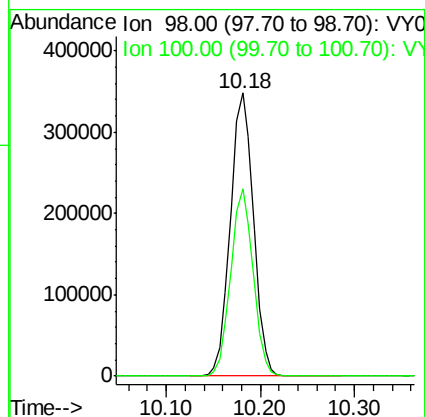
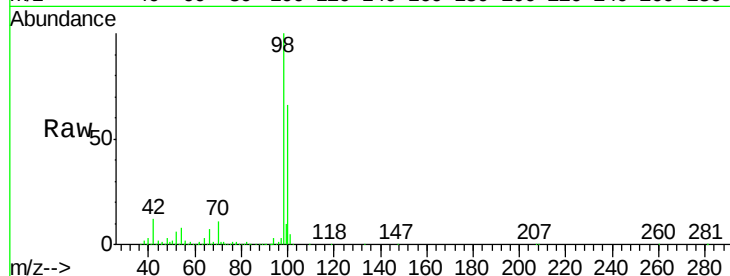
GL-SP

Tot Ion: 98 Resp: 593339

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.021 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003062.D

Acq: 01 Jul 2020 16:36

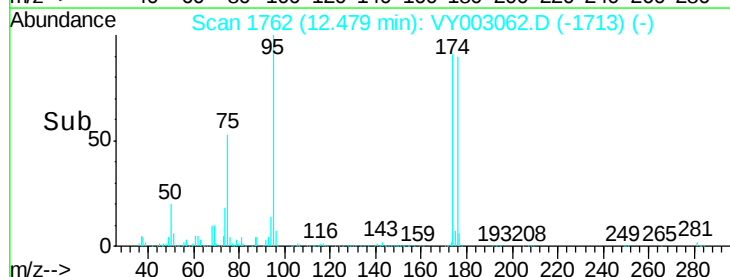
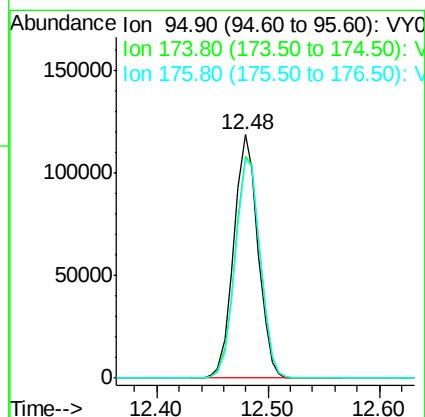
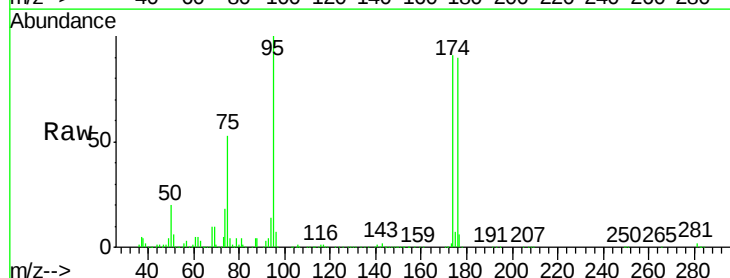
Tgt Ion: 95 Resp: 178691

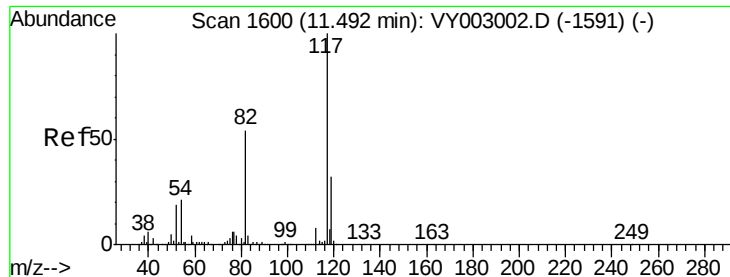
Ion Ratio Lower Upper

95 100

174 94.7 0.0 184.8

176 92.9 0.0 183.0

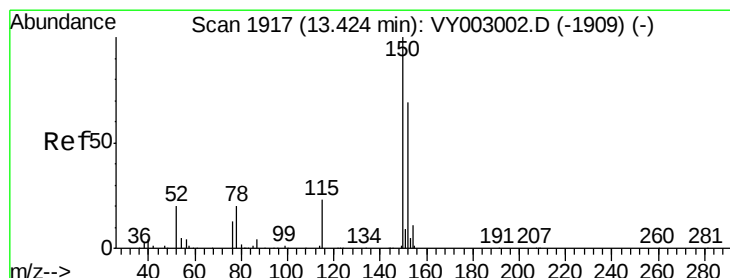
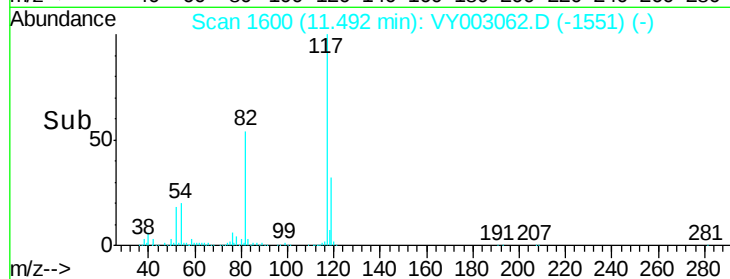
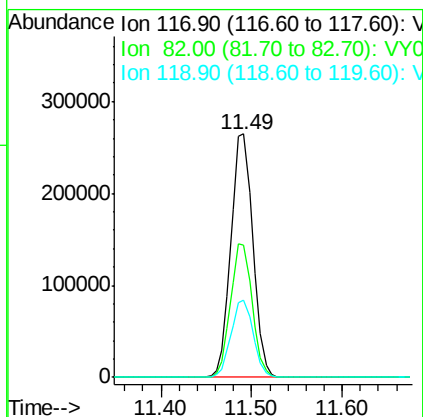
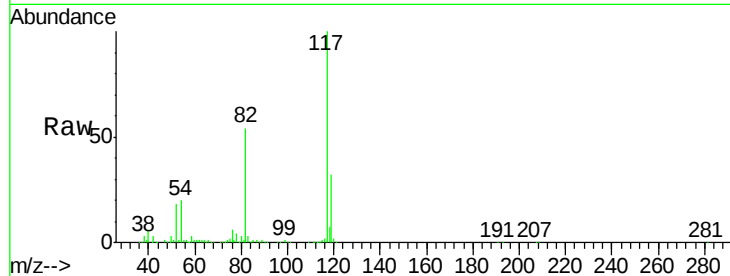




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

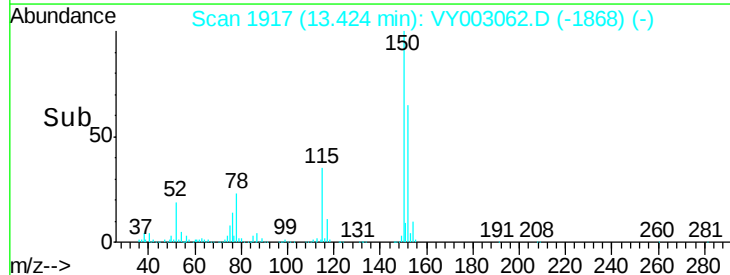
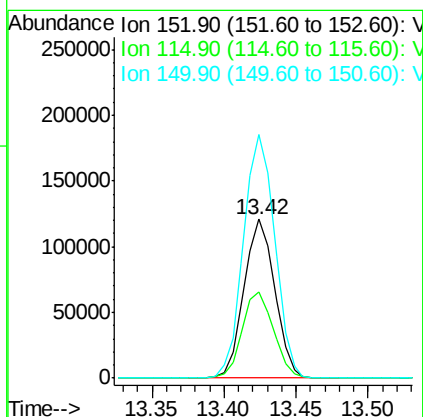
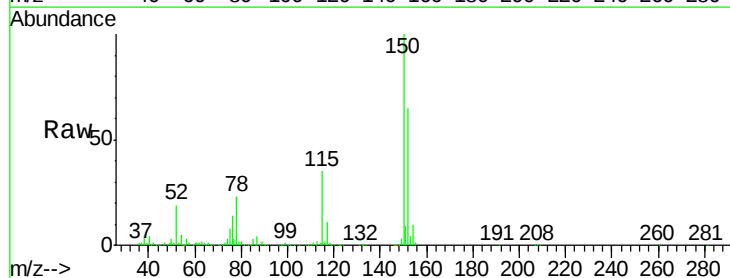
Instrument :
MSVOA_Y
ClientSampleId :
GL-SP

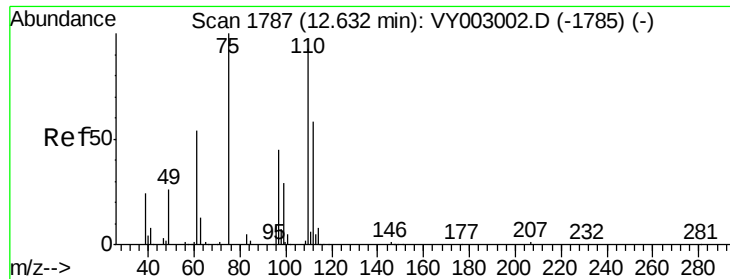
Tot Ion:117 Resp: 446637
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

Tgt Ion:152 Resp: 178925
Ion Ratio Lower Upper
152 100
115 55.5 27.3 81.9
150 156.2 0.0 343.4

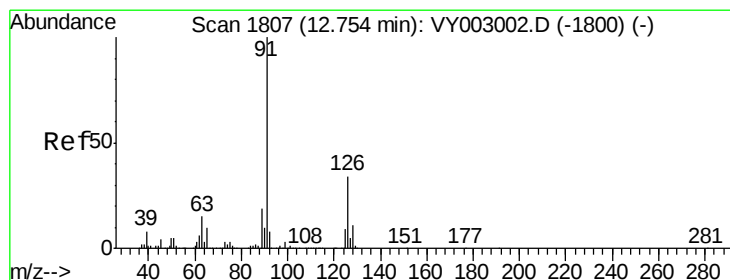
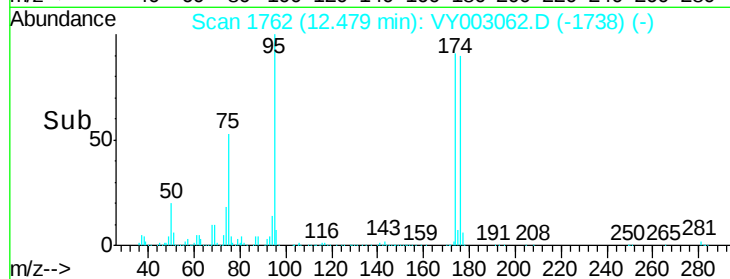
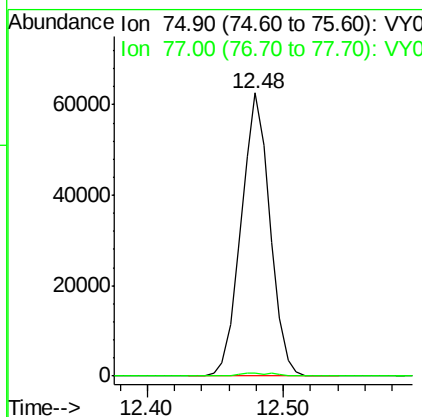
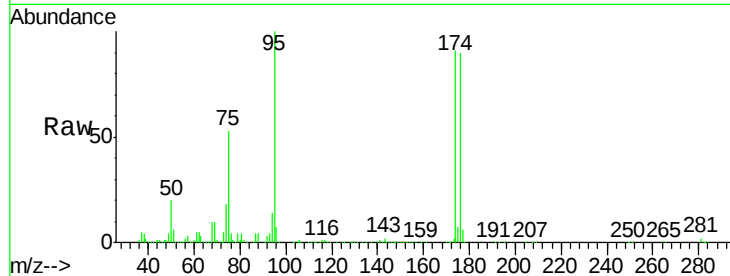




#76
 1,2,3-Trichloropropane
 Concen: 52.179 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003062.D
 Acq: 01 Jul 2020 16:36

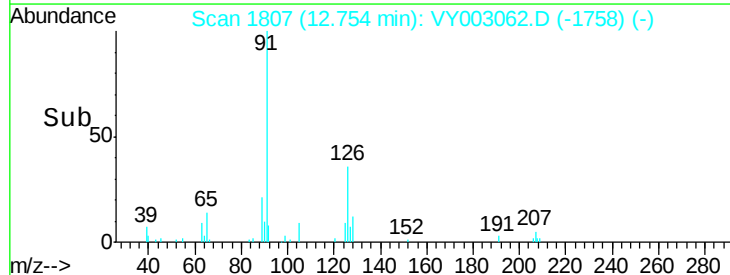
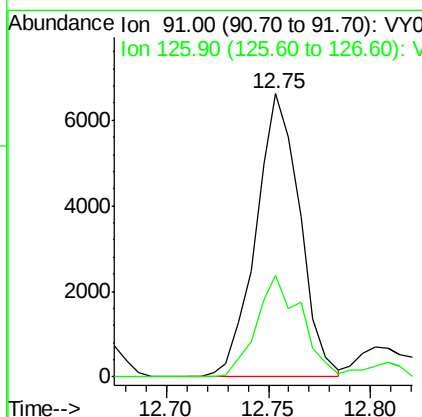
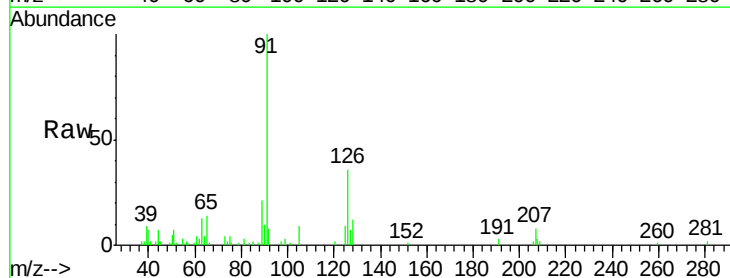
Instrument :
 MSVOA_Y
 ClientSampled :
 GL-SP

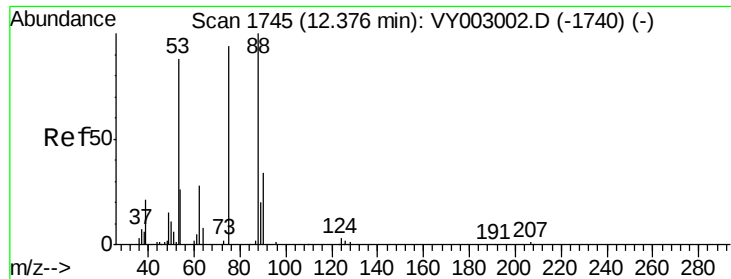
Tot Ion: 75 Resp: 92399
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: 1.258 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY003062.D
 Acq: 01 Jul 2020 16:36

Tgt Ion: 91 Resp: 9890
 Ion Ratio Lower Upper
 91 100
 126 37.9 17.1 51.3

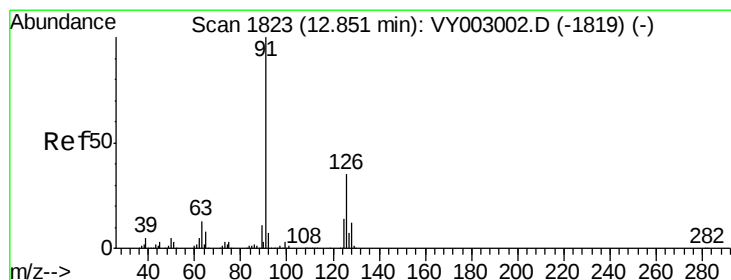
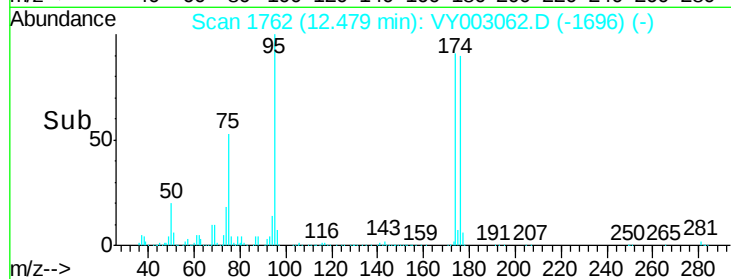
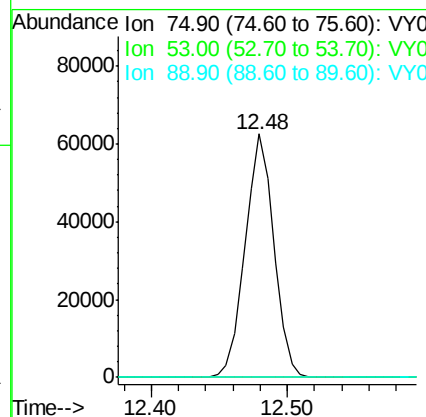
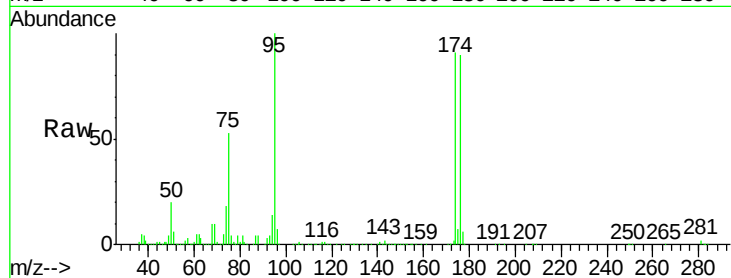




#81
trans-1,4-Dichloro-2-butene
Concen: 101.519 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

Instrument :
MSVOA_Y
ClientSampled :
GL-SP

Tot Ion: 75 Resp: 92399
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.5 56.3#



#82
4-Chlorotoluene
Concen: 2.329 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY003062.D
Acq: 01 Jul 2020 16:36

Tgt Ion: 91 Resp: 19060
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.3

