

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001161.D
 Acq On : 10 Jan 2020 20:40
 Operator : SY/MD
 Sample : L1073-02
 Misc : 4.45G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-02-8.5-9

Quant Time: Jan 11 03:08:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	156913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	284722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	250228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104510	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	81567	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	7.73	113	83818	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.18	98	336494	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.48	95	115430	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

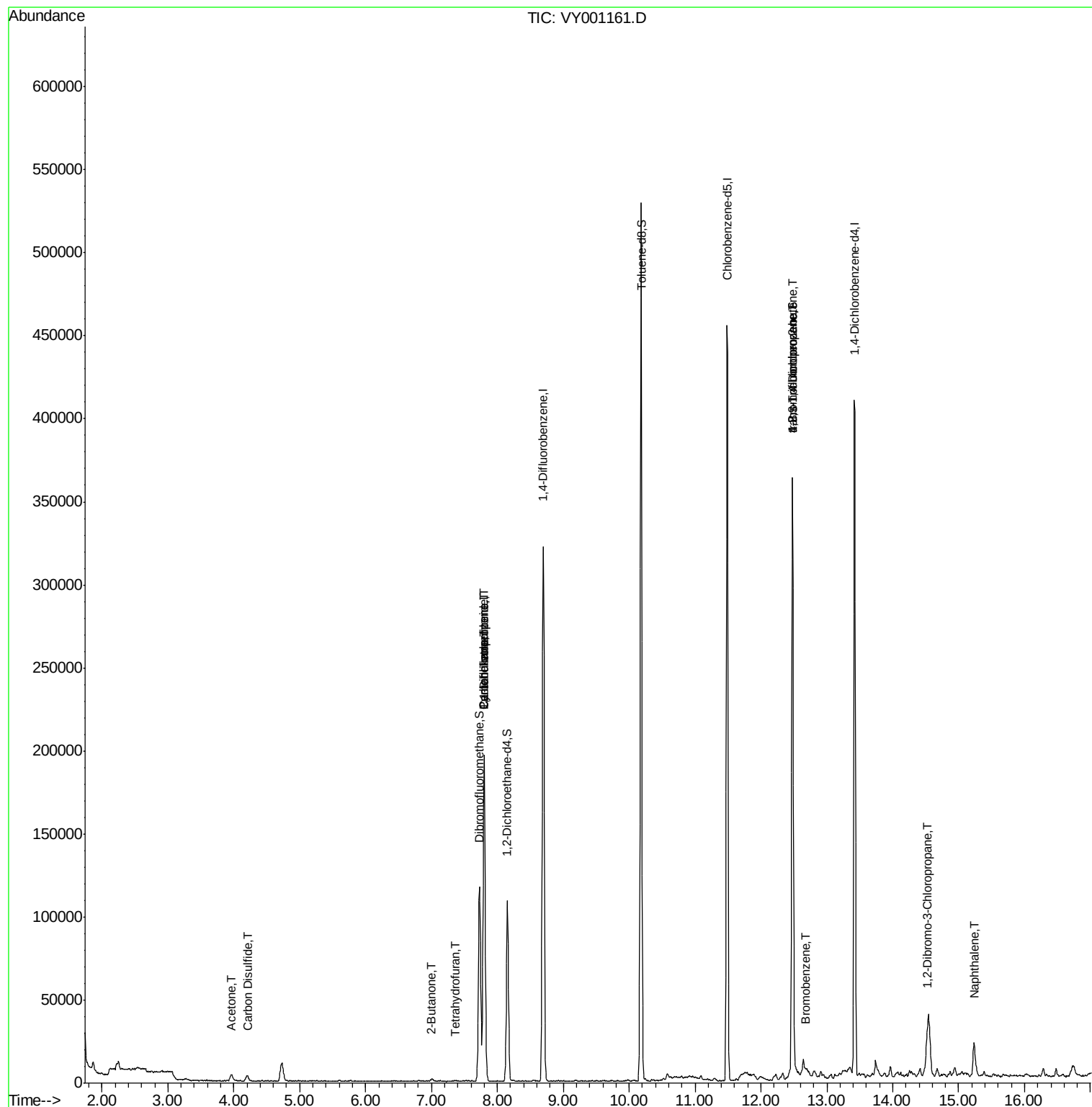
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	6707	17.426	ug/l	93
17) Carbon Disulfide	4.20	76	6946	1.338	ug/l	99
20) Methylene Chloride	4.72	84	8597	Below Cal		93
25) 2-Butanone	7.00	43	1325	2.212	ug/l #	83
29) Tetrahydrofuran	7.37	42	516	1.257	ug/l #	63
31) Cyclohexane	7.80	56	3433	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11612	4.475	ug/l #	49
38) Carbon Tetrachloride	7.80	117	15326	6.444	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	55011	49.170	ug/l #	100
77) Bromobenzene	12.68	156	9009	5.189	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	55011	83.382	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1362	4.568	ug/l #	2
95) Naphthalene	15.23	128	9309	1.989	ug/l #	92

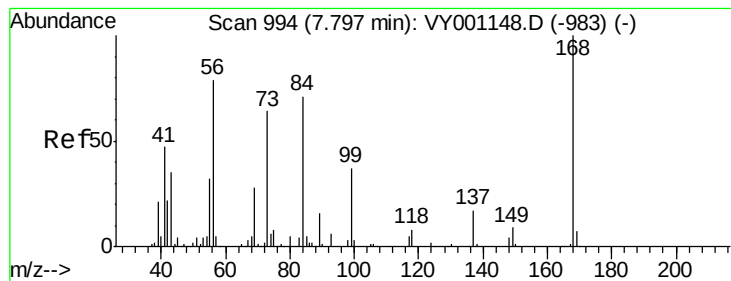
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

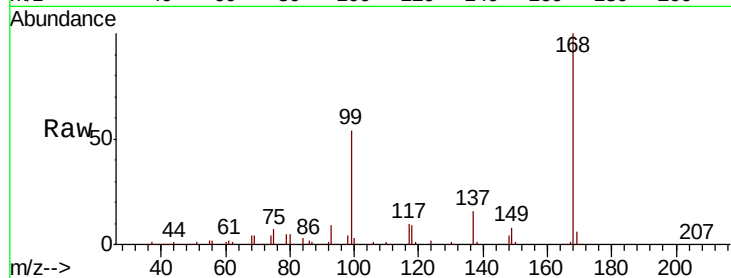
CIY1-SB-02-8.5-9

Tot Ion:168 Resp: 156913

Ion Ratio Lower Upper

168 100

99 54.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

60000

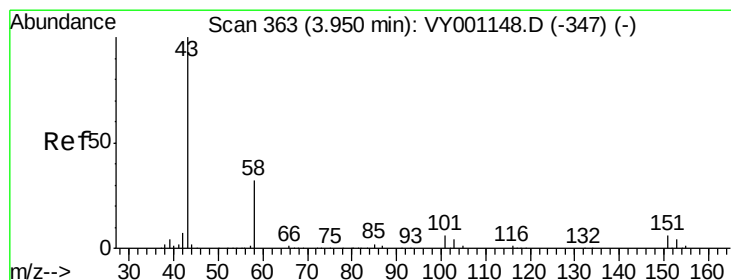
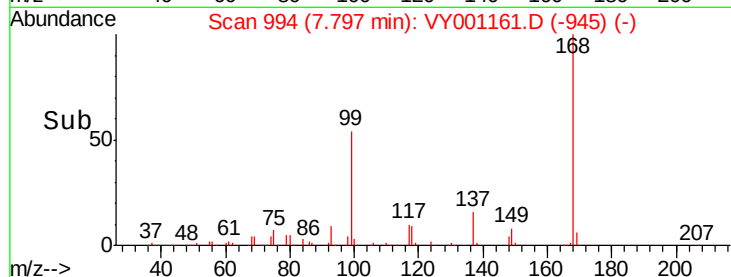
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 17.426 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001161.D

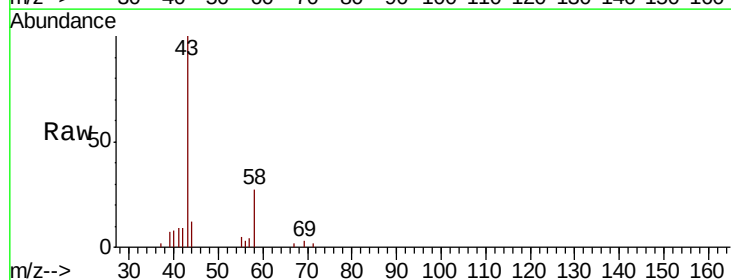
Acq: 10 Jan 2020 20:40

Tgt Ion: 43 Resp: 6707

Ion Ratio Lower Upper

43 100

58 28.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-347) (-)

3.96

3000

2500

2000

1500

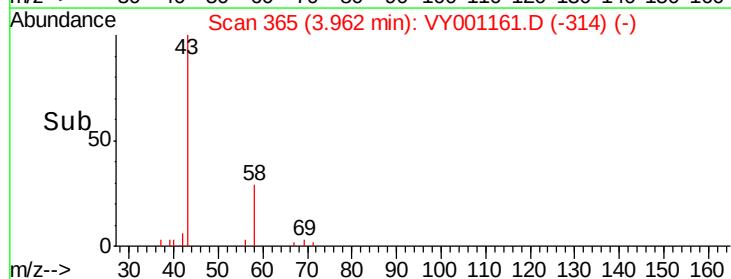
1000

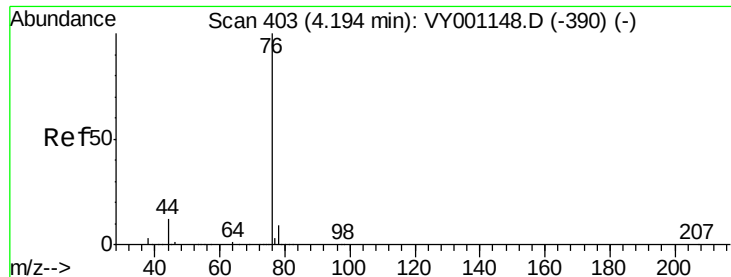
500

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.338 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

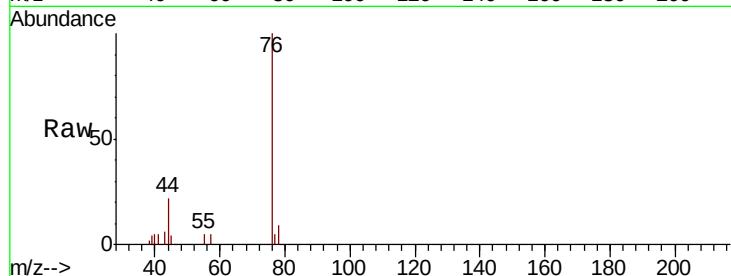
CIY1-SB-02-8.5-9

Tot Ion: 76 Resp: 6946

Ion Ratio Lower Upper

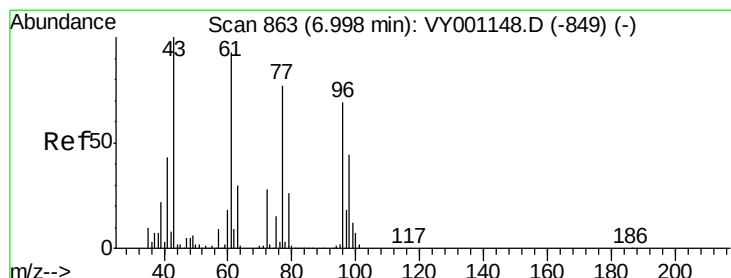
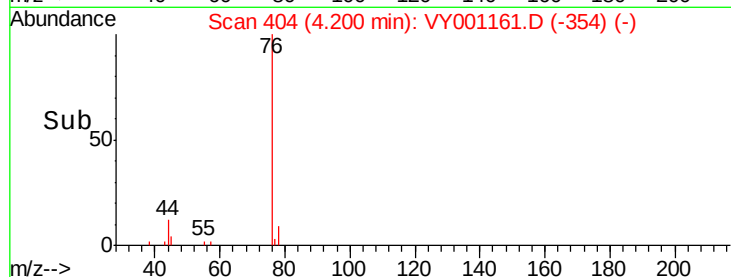
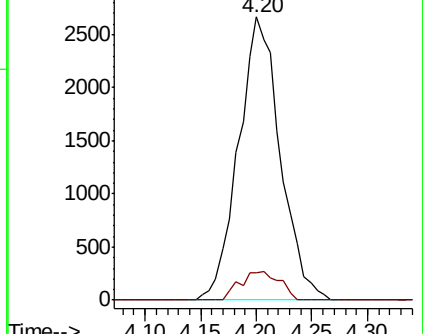
76 100

78 9.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 2.212 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001161.D

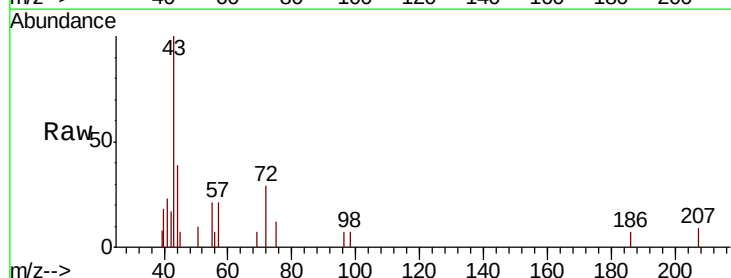
Acq: 10 Jan 2020 20:40

Tgt Ion: 43 Resp: 1325

Ion Ratio Lower Upper

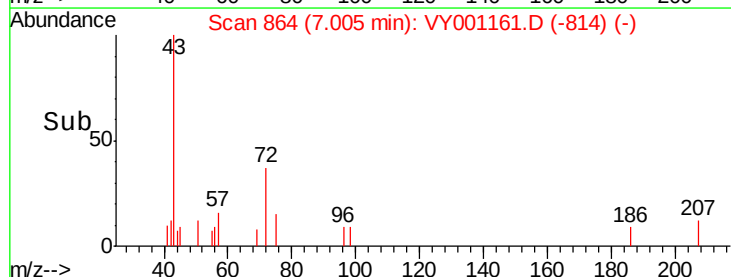
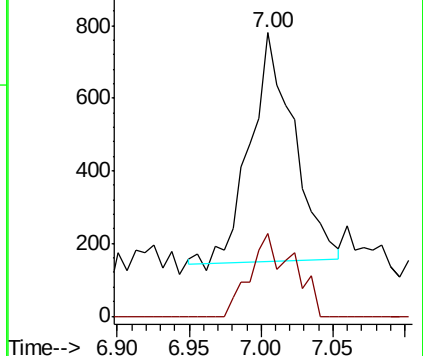
43 100

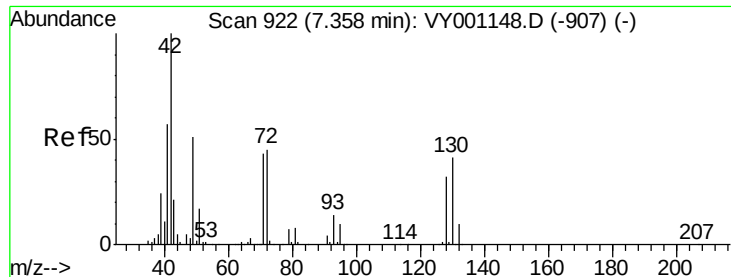
72 36.7 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#29

Tetrahydrofuran

Concen: 1.257 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-02-8.5-9

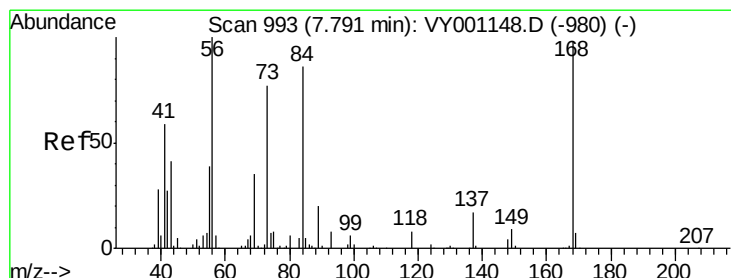
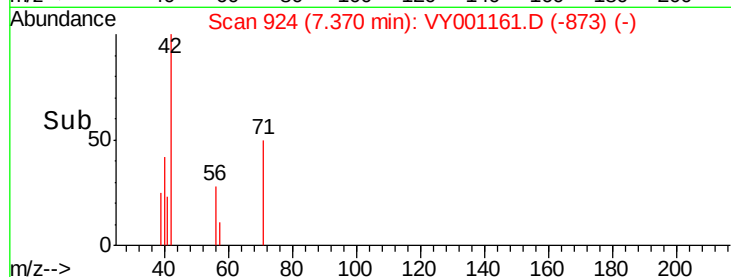
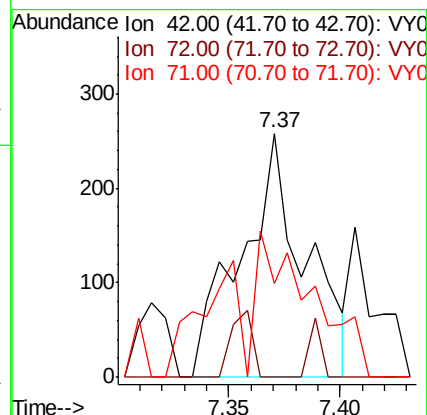
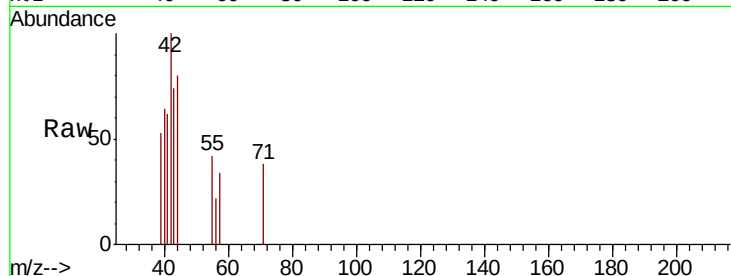
Tot Ion: 42 Resp: 516

Ion Ratio Lower Upper

42 100

72 8.9 36.9 55.3#

71 52.3 34.0 51.0#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

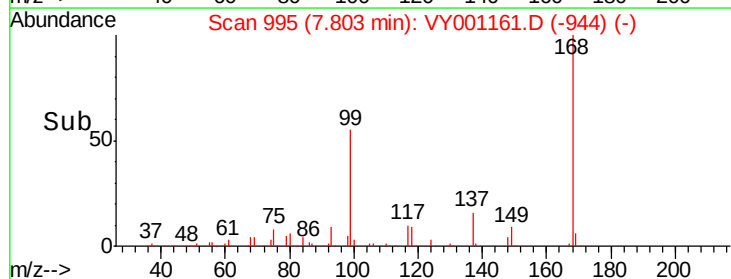
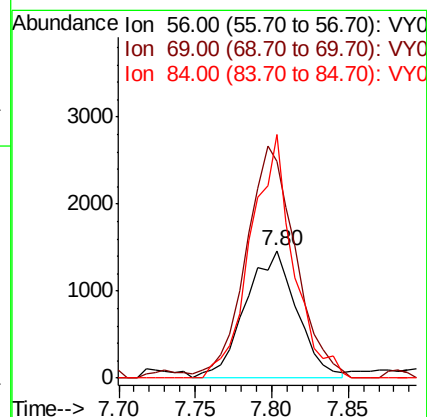
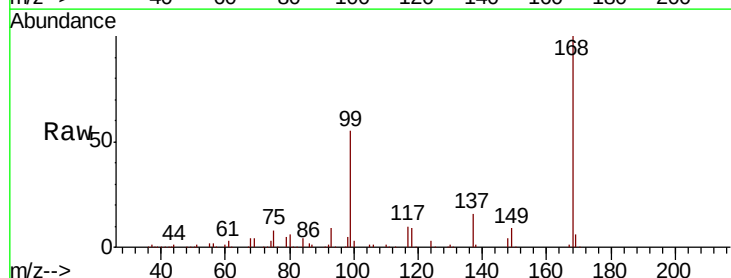
Tgt Ion: 56 Resp: 3433

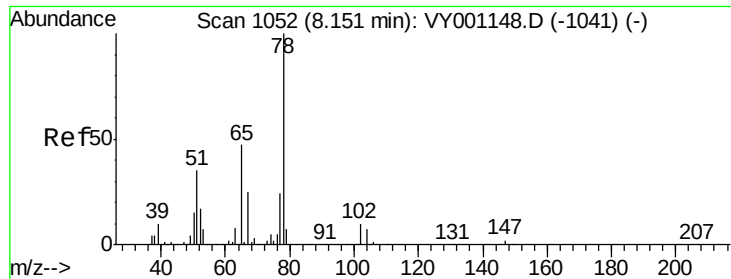
Ion Ratio Lower Upper

56 100

69 165.9 27.8 41.8#

84 191.1 68.9 103.3#

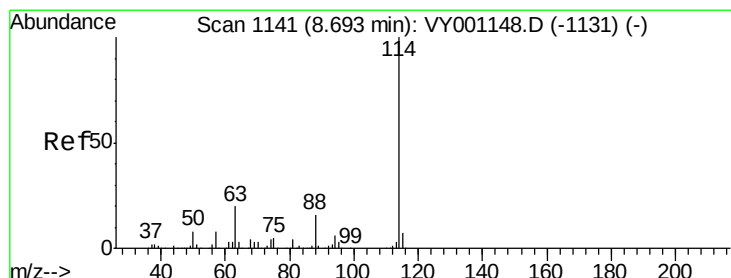
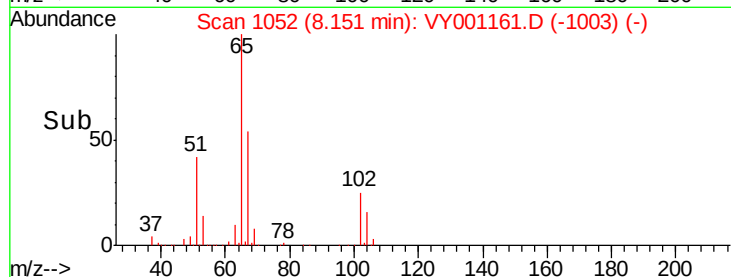
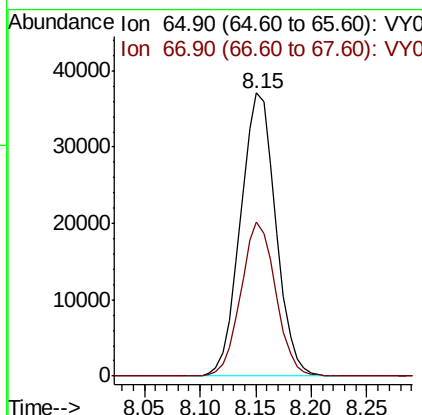
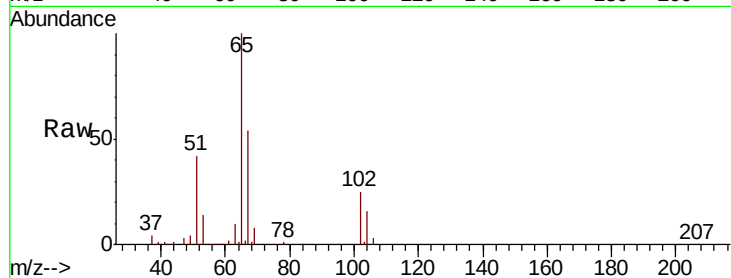




#33
 1,2-Dichloroethane-d4
 Concen: 49.218 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001161.D
 Acq: 10 Jan 2020 20:40

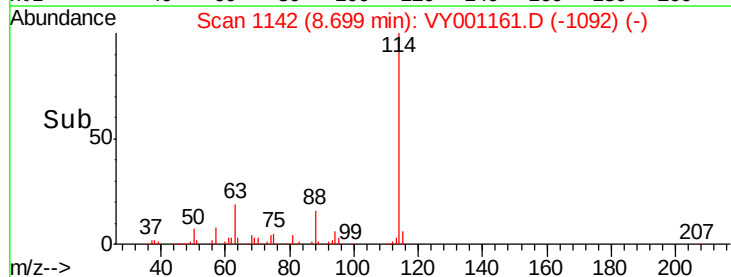
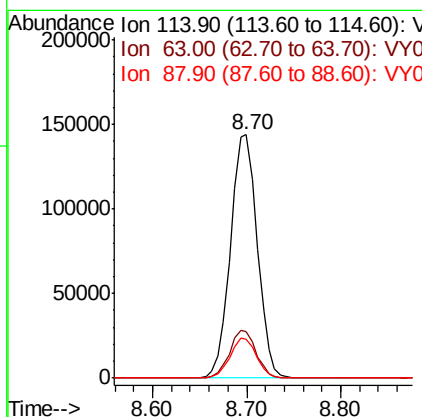
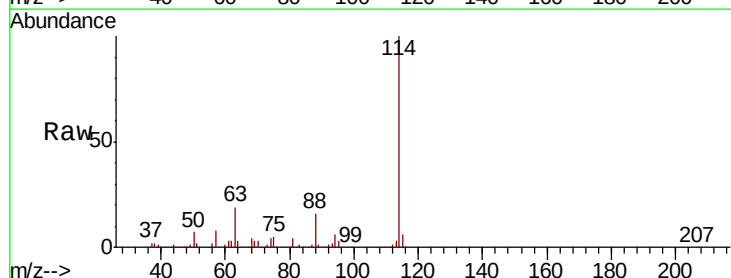
Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-02-8.5-9

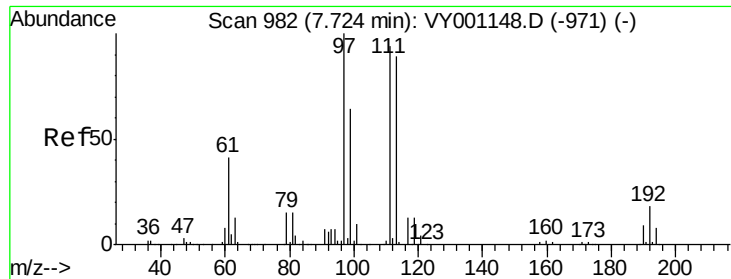
Tot Ion: 65 Resp: 81567
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001161.D
 Acq: 10 Jan 2020 20:40

Tgt Ion: 114 Resp: 284722
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.8
 88 15.7 0.0 32.4

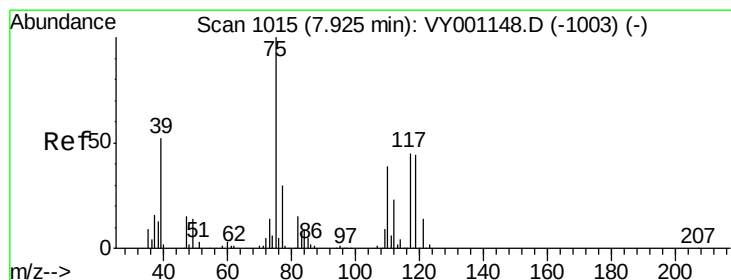
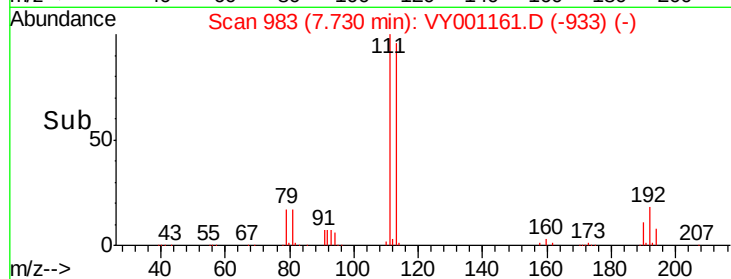
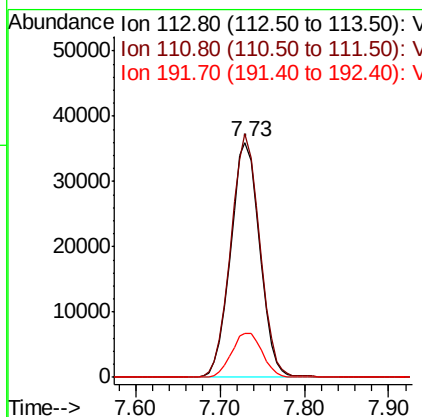
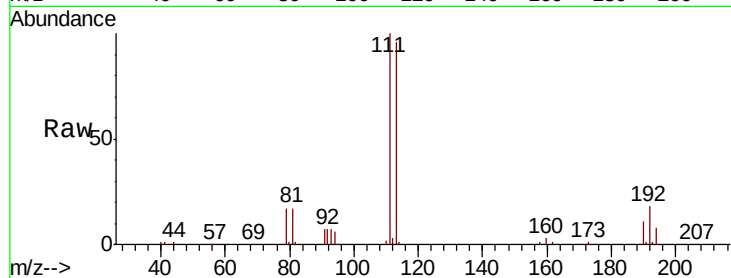




#35
 Dibromofluoromethane
 Concen: 50.279 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001161.D
 Acq: 10 Jan 2020 20:40

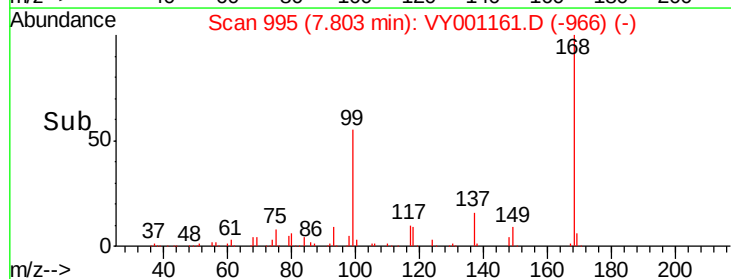
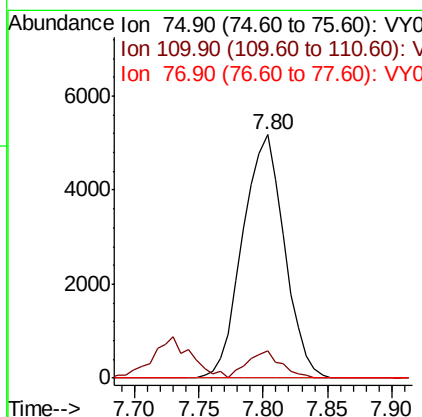
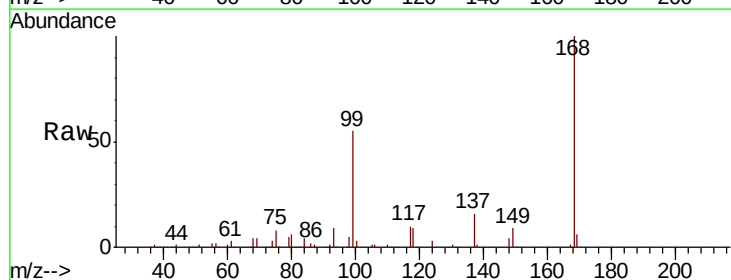
Instrument :
 MSVOA_Y
 ClientSampleId :
 CIY1-SB-02-8.5-9

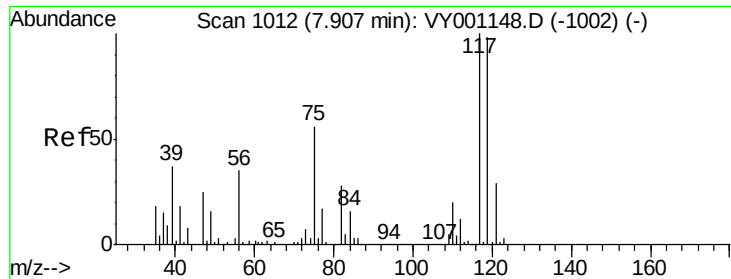
Tot Ion:113 Resp: 83818
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.9 124.3
 192 19.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY001161.D
 Acq: 10 Jan 2020 20:40

Tgt Ion: 75 Resp: 11612
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.3 54.8#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.444 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-02-8.5-9

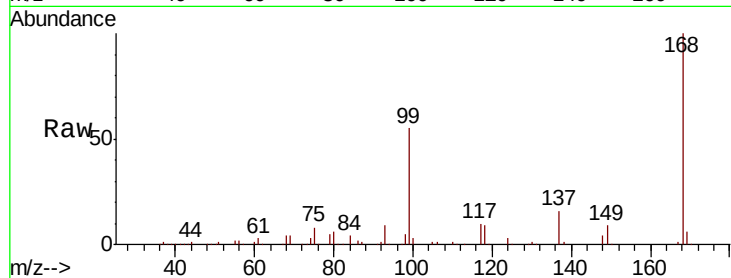
Tot Ion:117 Resp: 15326

Ion Ratio Lower Upper

117 100

119 2.8 78.3 117.5#

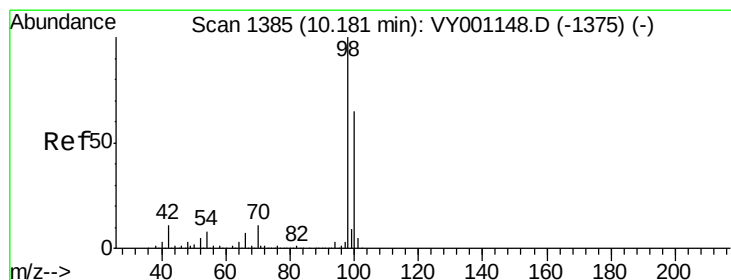
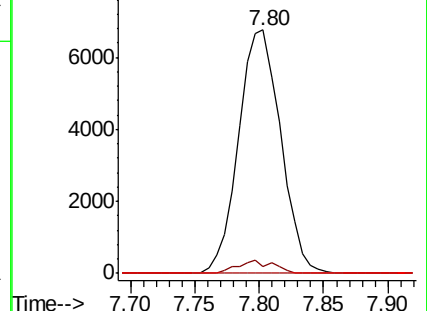
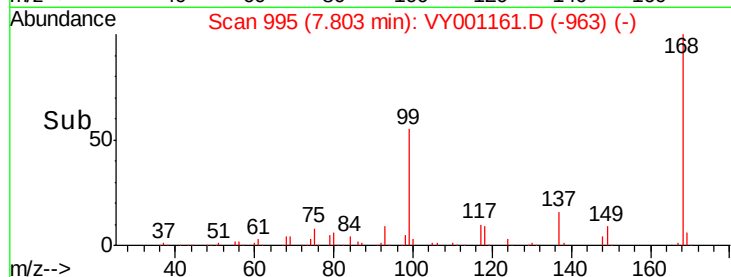
121 0.0 23.5 35.3#



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: 52.386 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001161.D

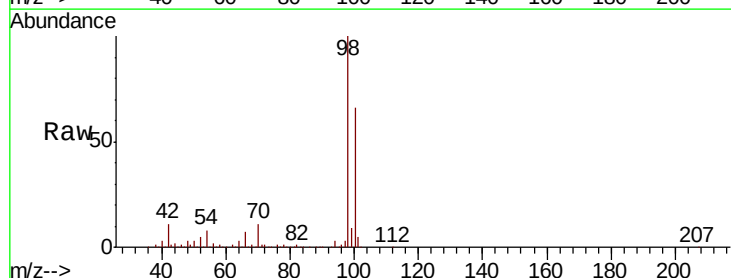
Acq: 10 Jan 2020 20:40

Tgt Ion: 98 Resp: 336494

Ion Ratio Lower Upper

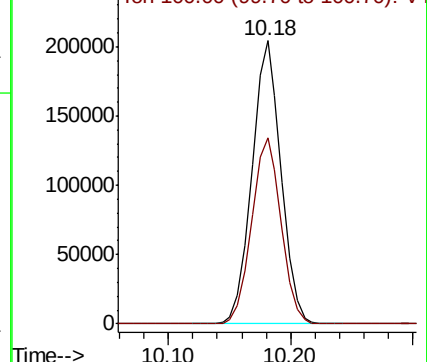
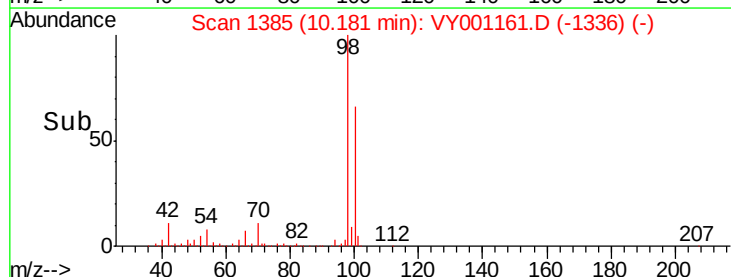
98 100

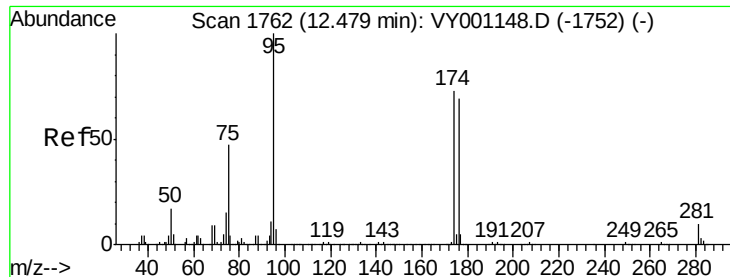
100 66.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

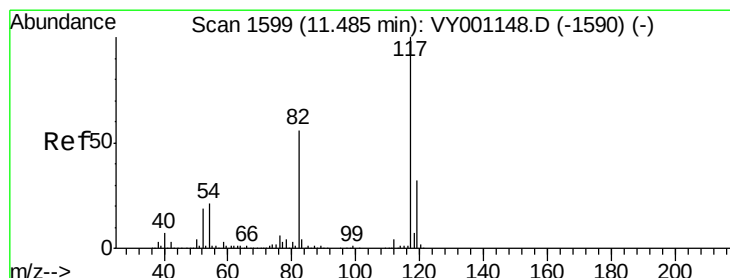
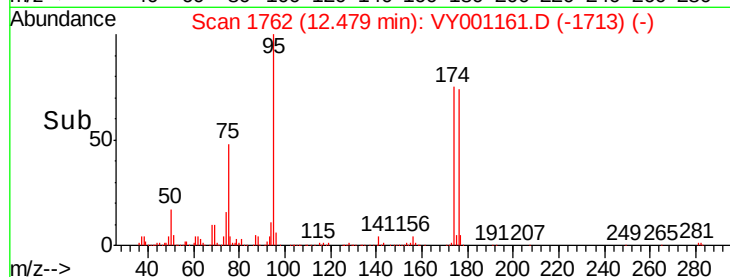
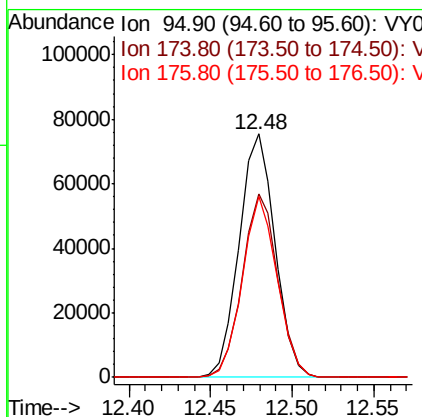
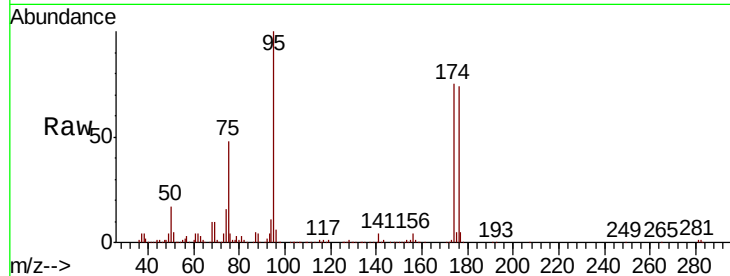




#62
4-Bromofluorobenzene
Concen: 43.955 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001161.D
Acq: 10 Jan 2020 20:40

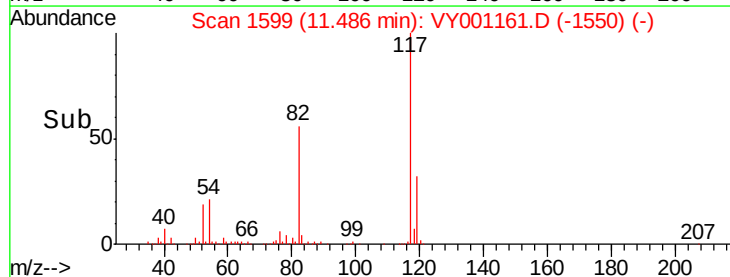
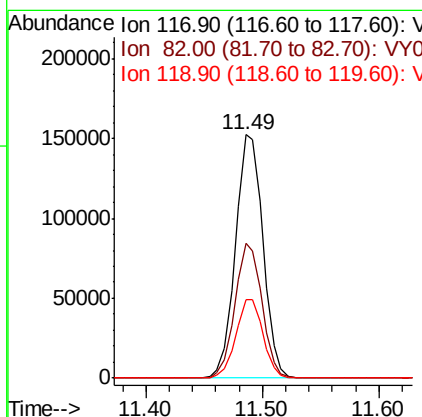
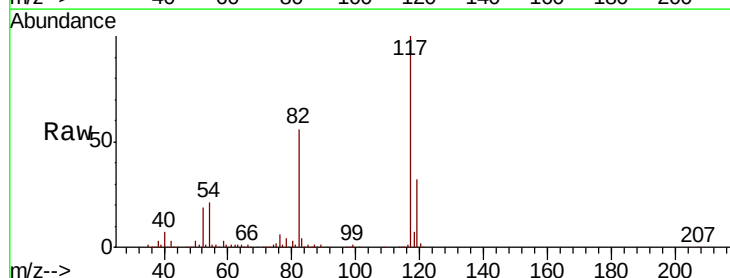
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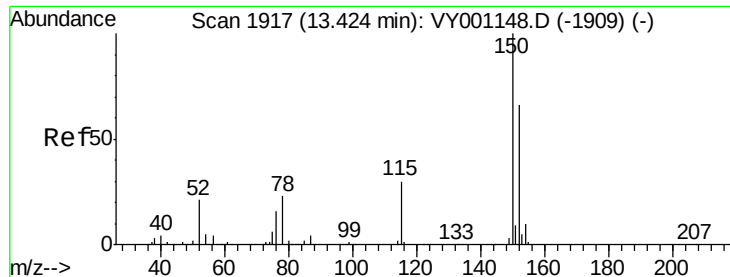
Tot Ion: 95 Resp: 115430
Ion Ratio Lower Upper
95 100
174 74.9 0.0 143.2
176 72.2 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001161.D
Acq: 10 Jan 2020 20:40

Tgt Ion: 117 Resp: 250228
Ion Ratio Lower Upper
117 100
82 55.6 44.9 67.3
119 32.1 25.7 38.5



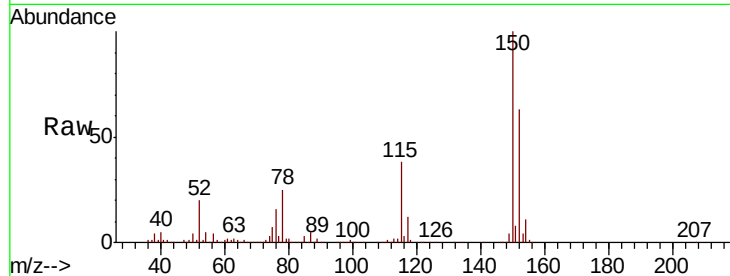


#72

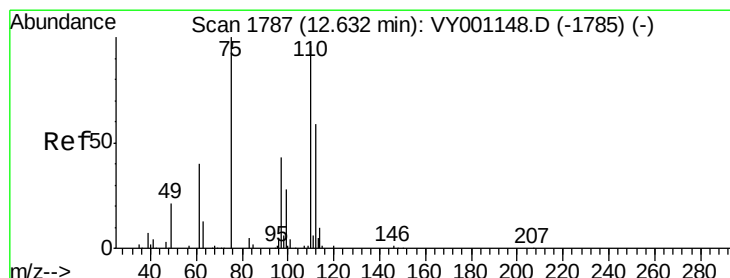
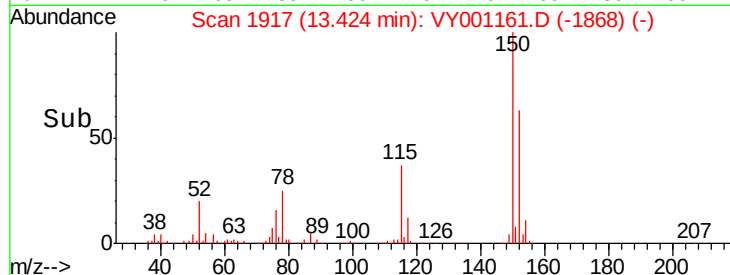
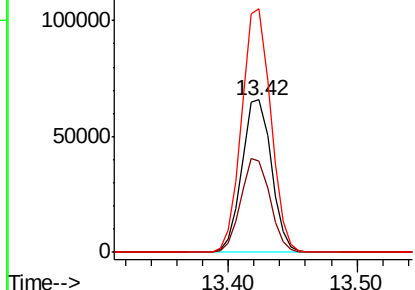
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY001161.D
Acq: 10 Jan 2020 20:40

Instrument :
MSVOA_Y
ClientSampleId :
CIY1-SB-02-8.5-9

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.9	92.5
150	156.9	0.0	346.8



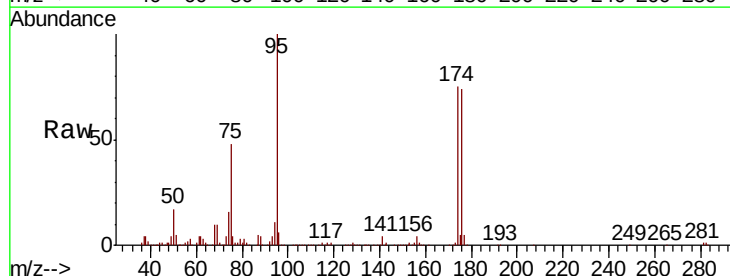
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



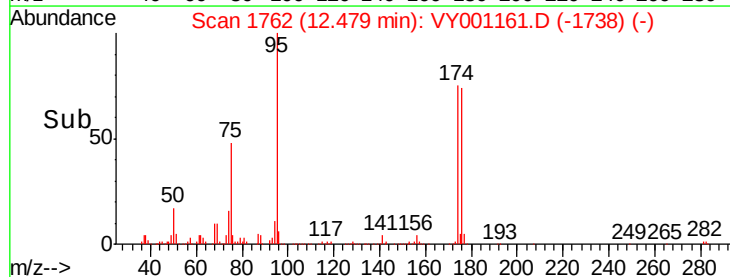
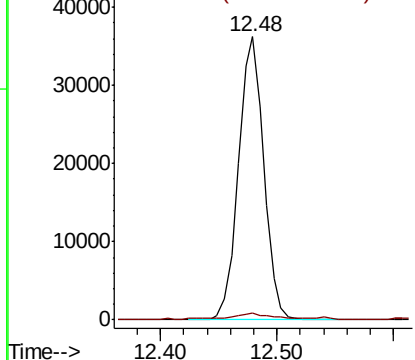
#76

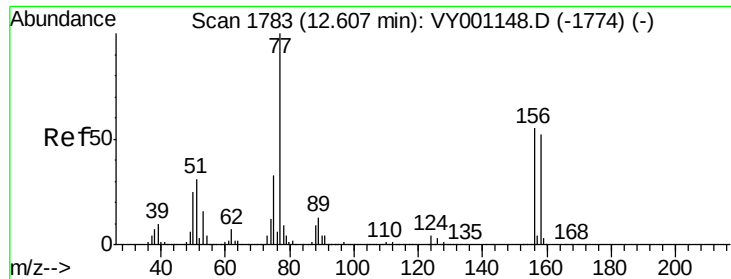
1,2,3-Trichloropropane
Concen: 49.170 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001161.D
Acq: 10 Jan 2020 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	4.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 5.189 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-02-8.5-9

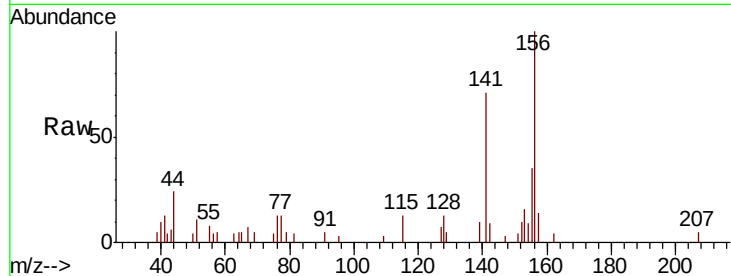
Tot Ion:156 Resp: 9009

Ion Ratio Lower Upper

156 100

77 2.5 106.7 320.1#

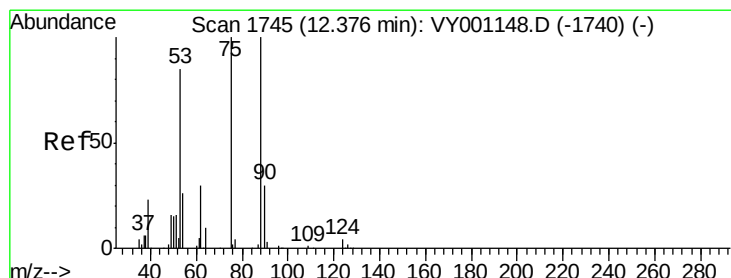
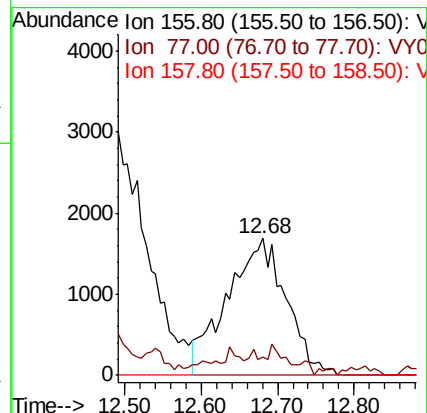
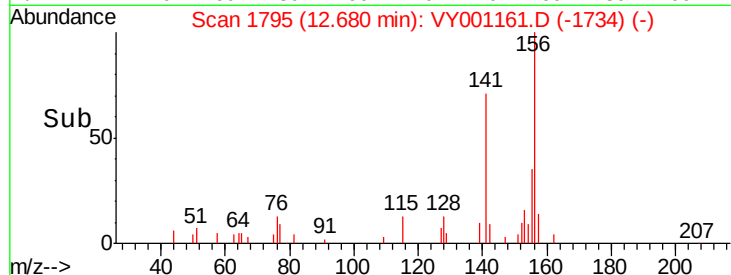
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 83.382 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

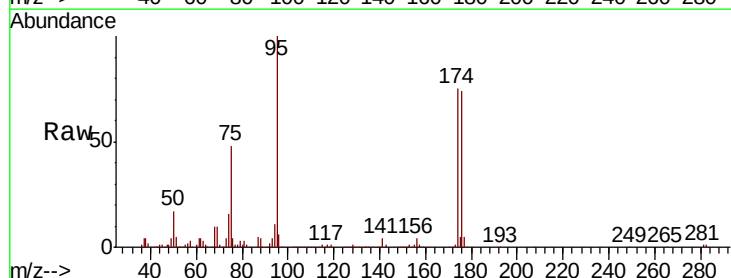
Tgt Ion: 75 Resp: 55011

Ion Ratio Lower Upper

75 100

53 0.2 69.4 104.2#

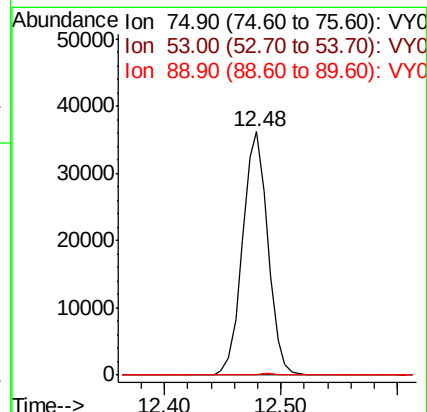
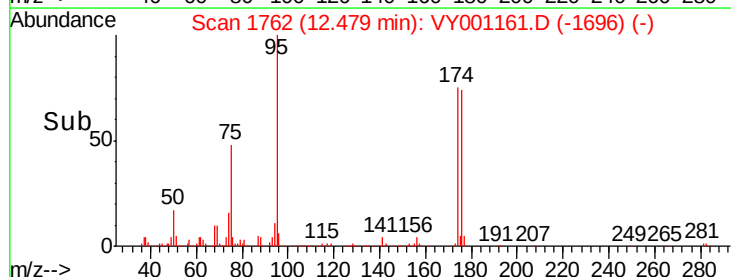
89 0.9 0.0 0.0#

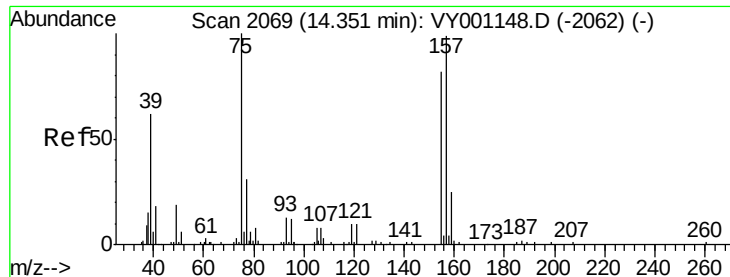


Abundance Ion 74.90 (74.60 to 75.60): VY0

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: 4.568 ug/l

RT: 14.52 min Scan# 2096

Delta R.T. 0.16 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

Instrument :

MSVOA_Y

ClientSampleId :

CIY1-SB-02-8.5-9

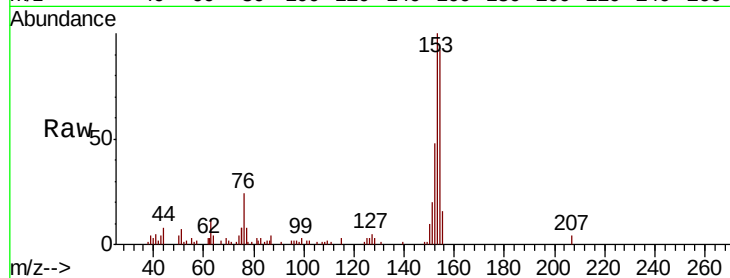
Tot Ion: 75 Resp: 1362

Ion Ratio Lower Upper

75 100

155 0.0 41.2 123.6#

157 0.0 52.8 158.4#

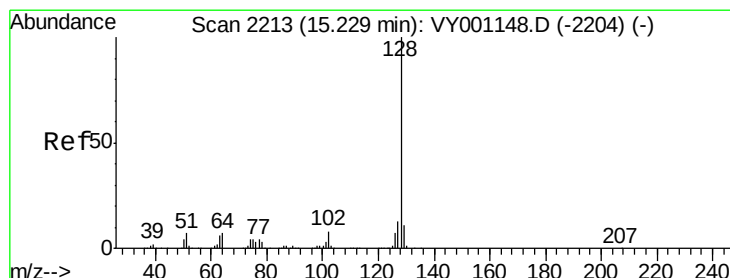
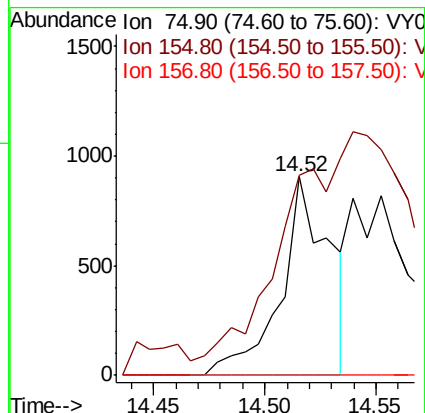
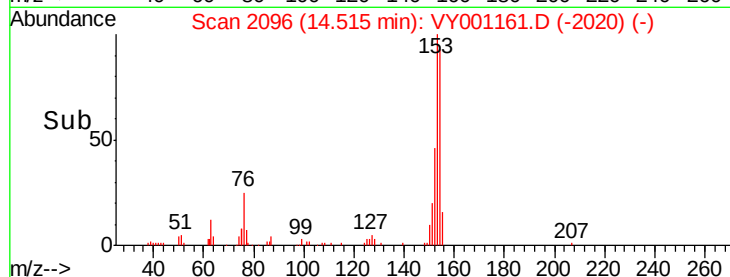


Abundance Ion 74.90 (74.60 to 75.60): VY001148.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY001148.D (-2062) (-)

Ion 156.80 (156.50 to 157.50): VY001148.D (-2062) (-)

Time-->



#95

Naphthalene

Concen: 1.989 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001161.D

Acq: 10 Jan 2020 20:40

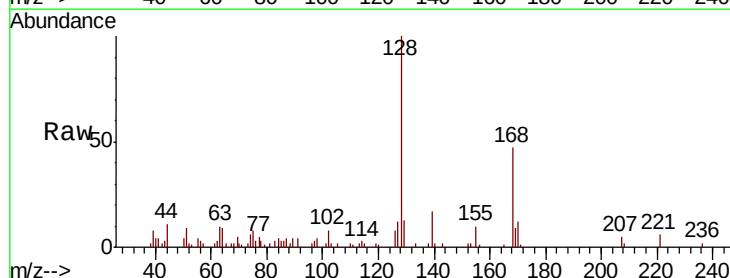
Tgt Ion: 128 Resp: 9309

Ion Ratio Lower Upper

128 100

127 15.3 10.2 15.4

129 14.3 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VY001148.D (-2204) (-)

Ion 127.00 (126.70 to 127.70): VY001148.D (-2204) (-)

Ion 129.00 (128.70 to 129.70): VY001148.D (-2204) (-)

Time-->

