

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062920\
 Data File : VY003009.D
 Acq On : 29 Jun 2020 16:19
 Operator : SY/MD
 Sample : L2819-06RE
 Misc : 4.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-062620

Quant Time: Jun 30 05:56:31 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	327919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	525766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	499219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	240084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	188620	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
35) Dibromofluoromethane	7.72	113	175501	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
50) Toluene-d8	10.18	98	640251	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.48	95	226910	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

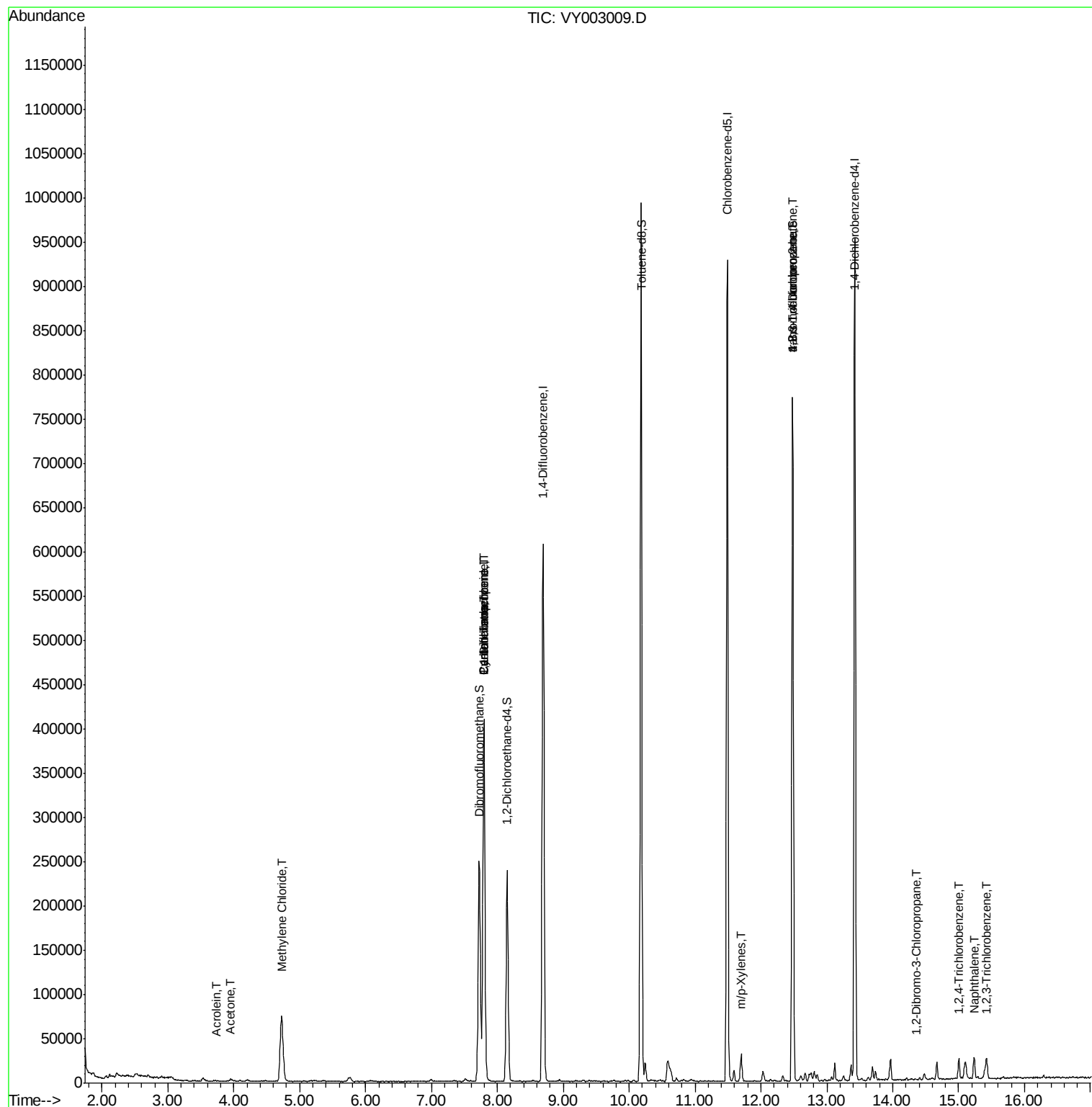
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.74	56	566	1.899	ug/l #	69
16) Acetone	3.95	43	5025	6.542	ug/l #	69
20) Methylene Chloride	4.72	84	56989	11.219	ug/l	95
31) Cyclohexane	7.79	56	6427	1.122	ug/l #	30
36) 1,1-Dichloropropene	7.80	75	23112	4.564	ug/l #	52
38) Carbon Tetrachloride	7.80	117	30047	5.702	ug/l #	16
68) m/p-Xylenes	11.70	106	10122	1.510	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	118712	49.961	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118712	97.203	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.36	75	704	1.254	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.01	180	6934	1.383	ug/l	94
95) Naphthalene	15.23	128	19787	2.160	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	7197	1.653	ug/l	96

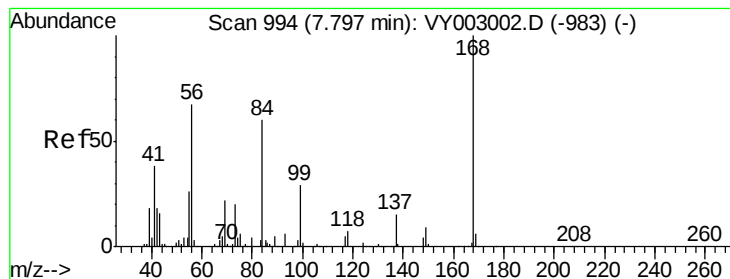
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

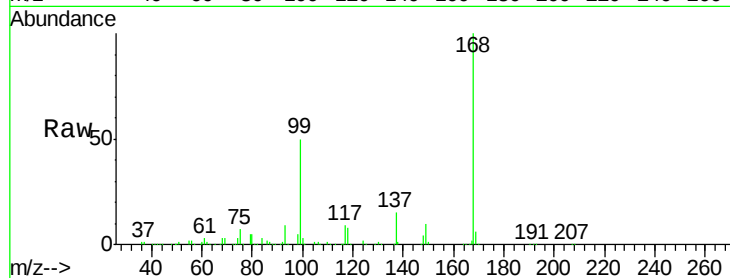
BU-03-062620

Tot Ion:168 Resp: 327919

Ion Ratio Lower Upper

168 100

99 50.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003009.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003009.D (-945) (-)

7.80

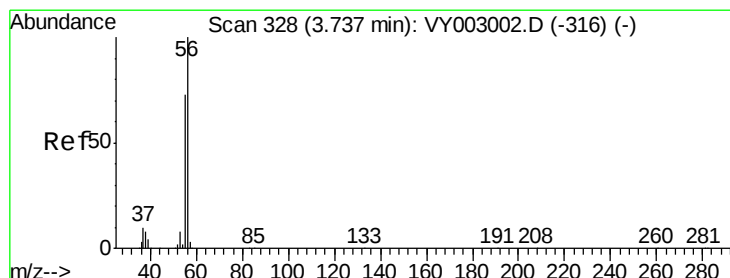
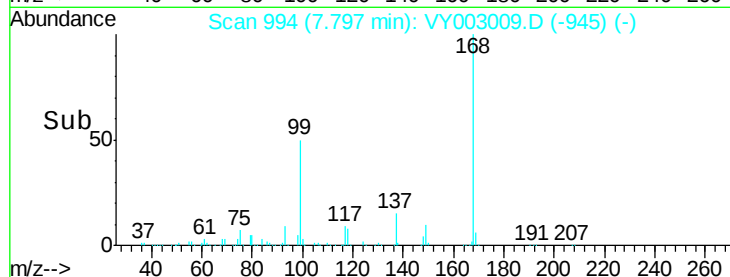
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.899 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY003009.D

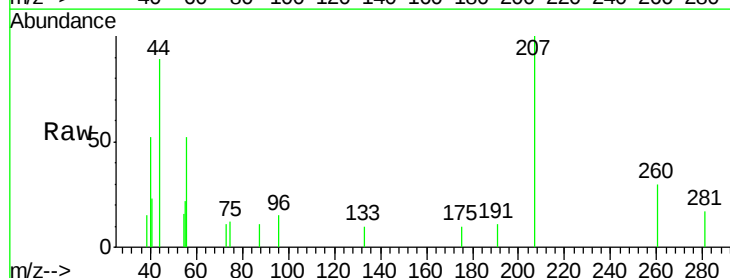
Acq: 29 Jun 2020 16:19

Tgt Ion: 56 Resp: 566

Ion Ratio Lower Upper

56 100

55 45.2 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VY003009.D (-279) (-)

Ion 55.00 (54.70 to 55.70): VY003009.D (-279) (-)

3.74

300

250

200

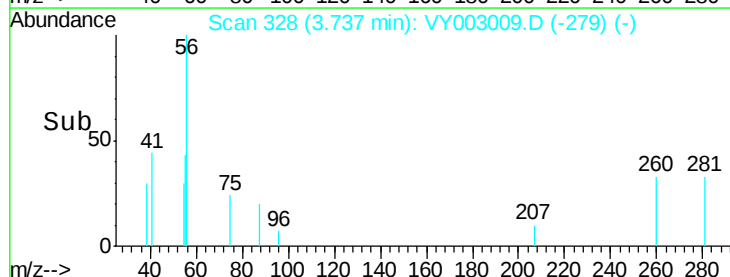
150

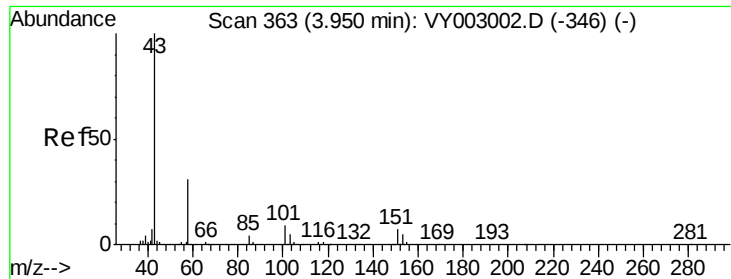
100

50

0

Time-->





#16

Acetone

Concen: 6.542 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :
MSVOA_Y

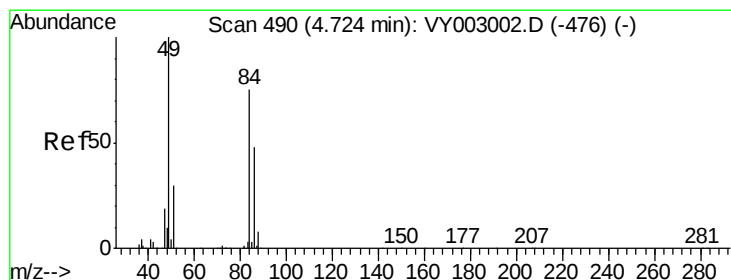
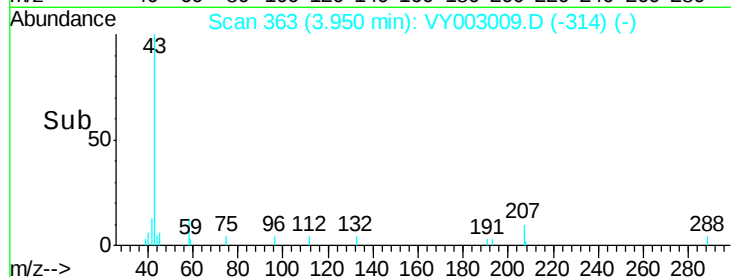
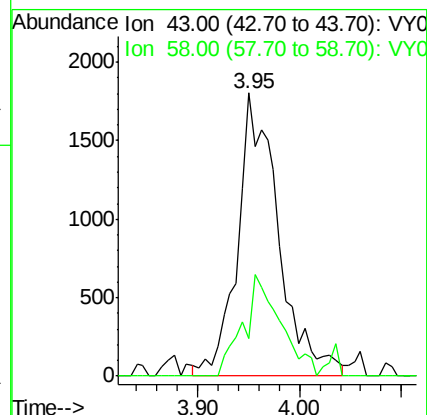
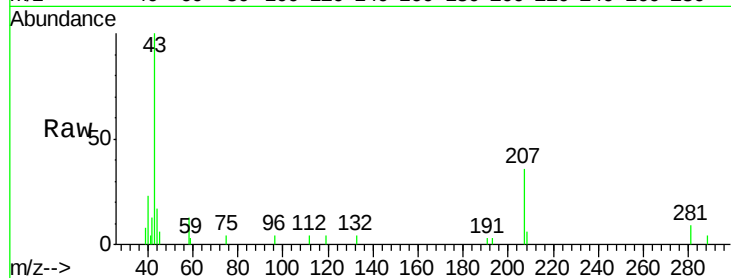
ClientSampleId :
BU-03-062620

Tot Ion: 43 Resp: 5025

Ion Ratio Lower Upper

43 100

58 14.0 24.7 37.1#



#20

Methylene Chloride

Concen: 11.219 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Tgt Ion: 84 Resp: 56989

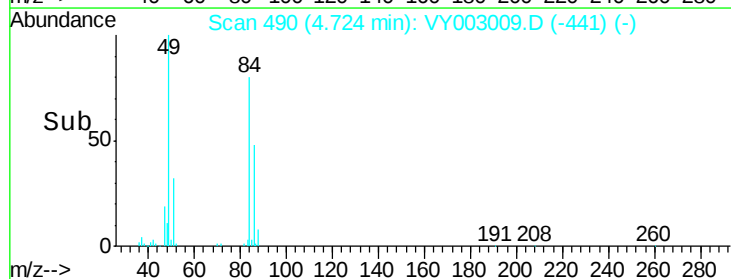
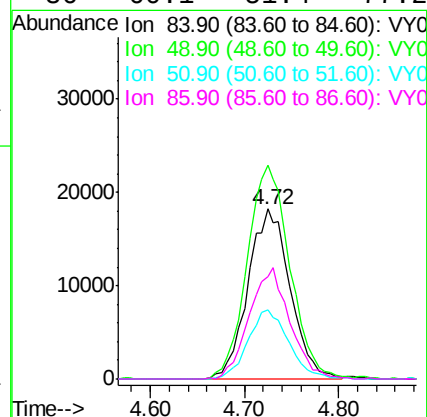
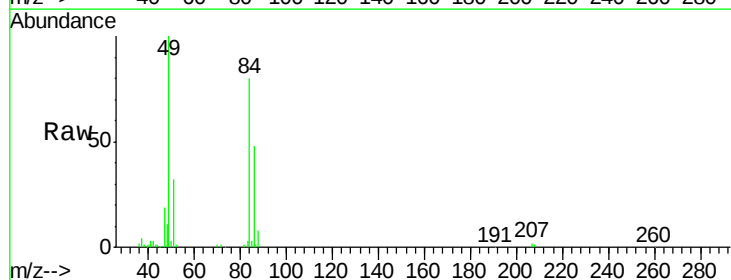
Ion Ratio Lower Upper

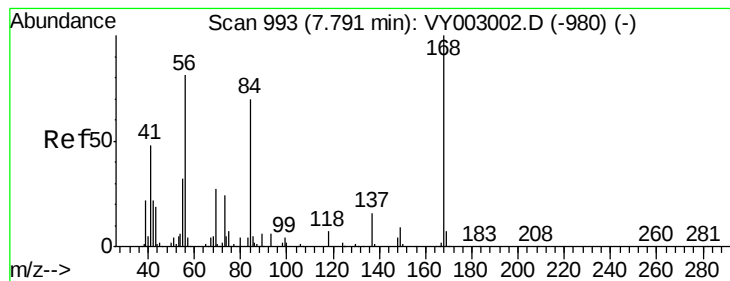
84 100

49 125.6 106.8 160.2

51 40.5 32.0 48.0

86 60.1 51.4 77.2





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-062620

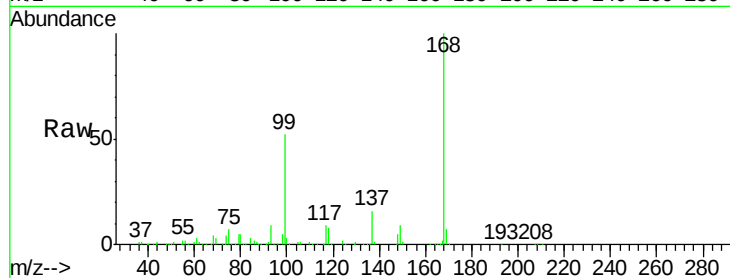
Tot Ion: 56 Resp: 6427

Ion Ratio Lower Upper

56 100

69 128.1 27.0 40.4#

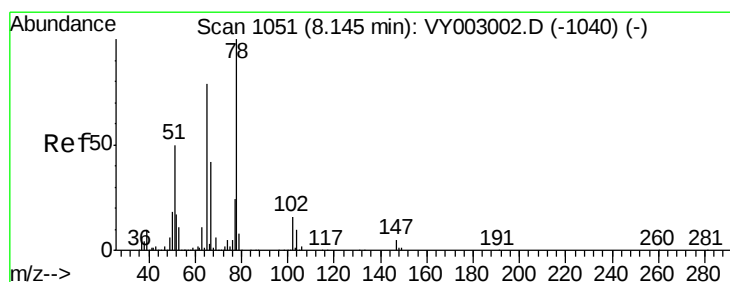
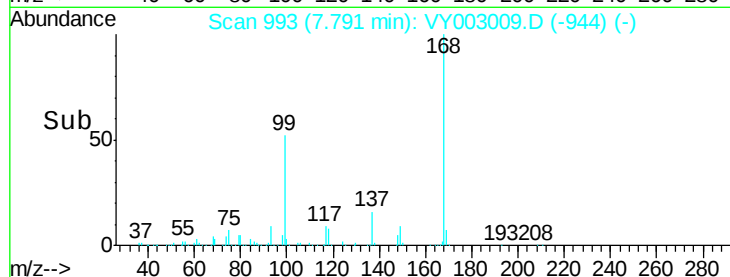
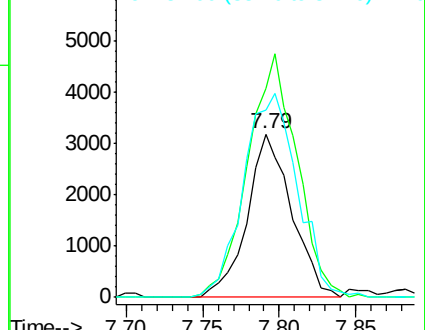
84 114.7 68.1 102.1#



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: 57.914 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003009.D

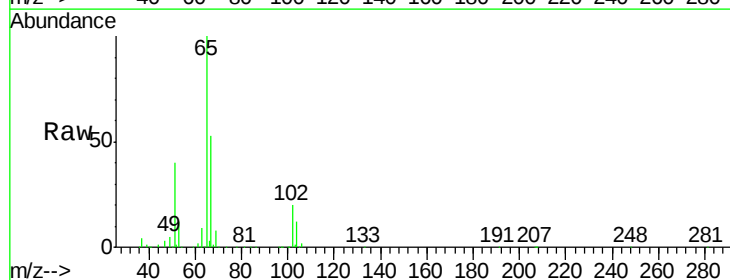
Acq: 29 Jun 2020 16:19

Tgt Ion: 65 Resp: 188620

Ion Ratio Lower Upper

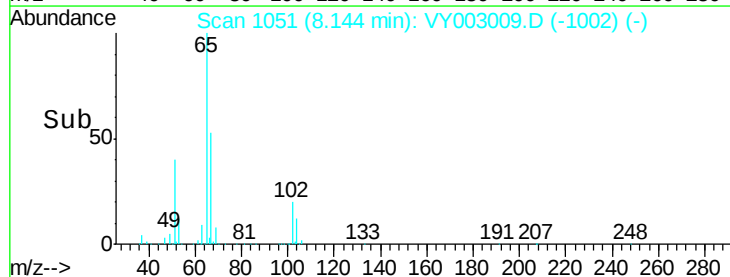
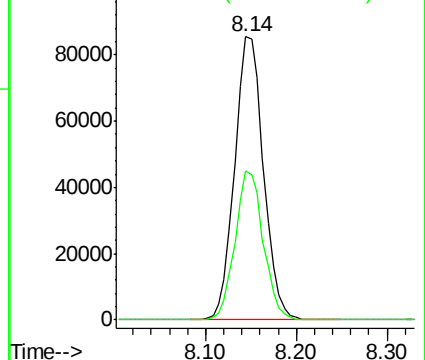
65 100

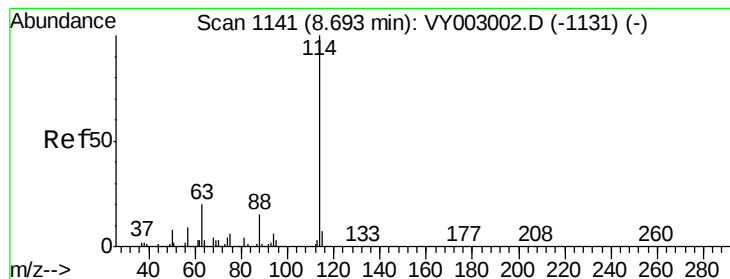
67 51.3 0.0 105.6



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: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-062620

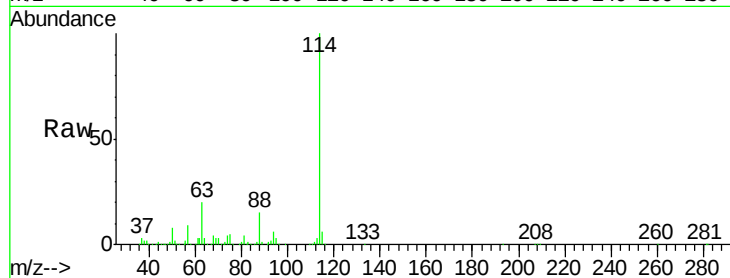
Tot Ion:114 Resp: 525766

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.6

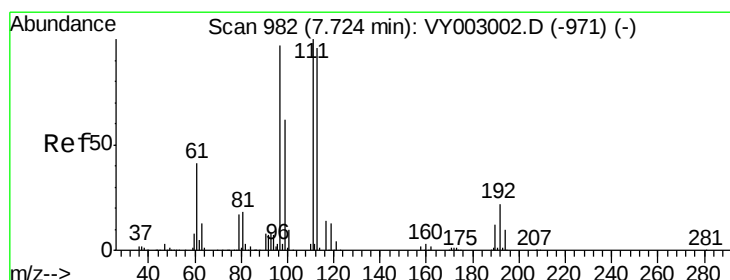
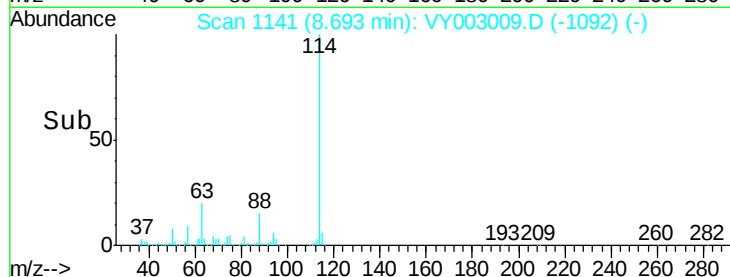
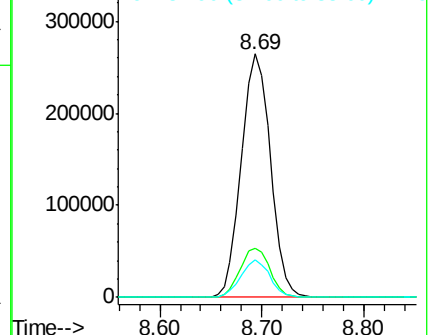
88 15.5 0.0 30.0



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: 53.509 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

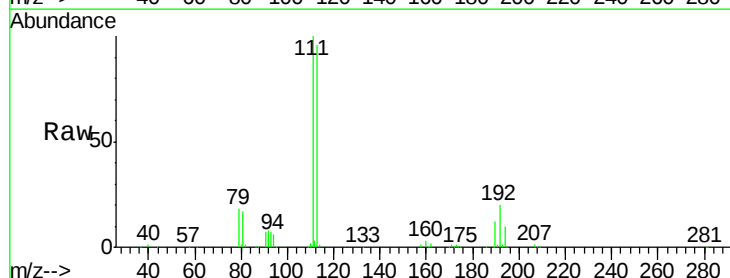
Tgt Ion:113 Resp: 175501

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

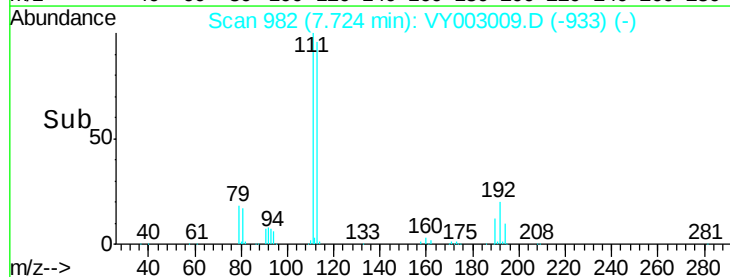
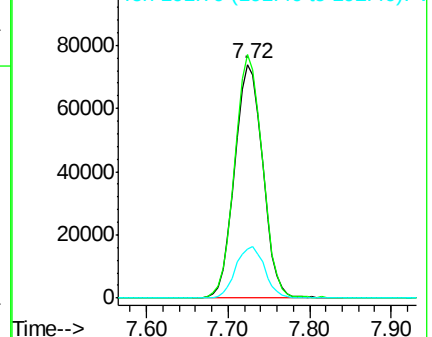
192 22.6 18.1 27.1

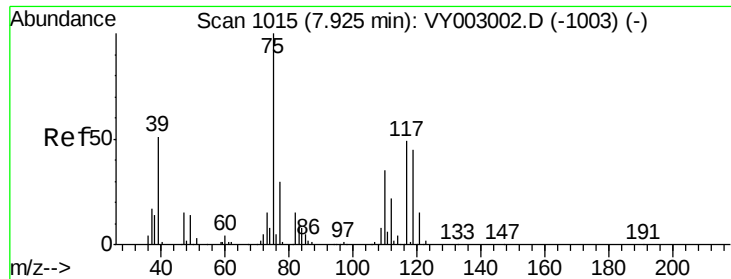


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampled :

BU-03-062620

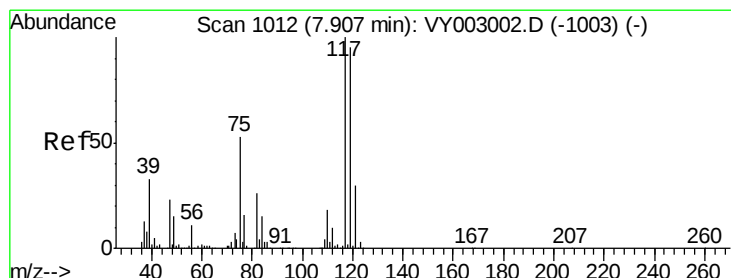
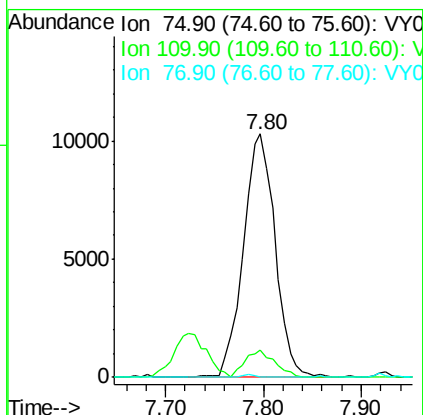
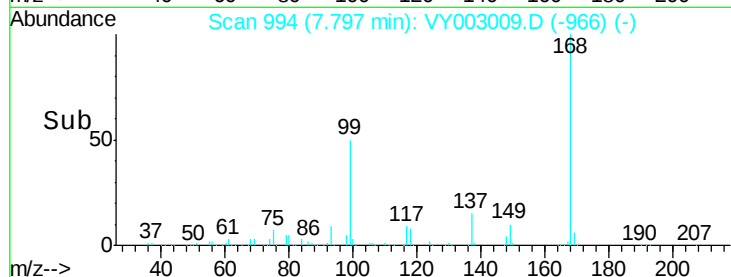
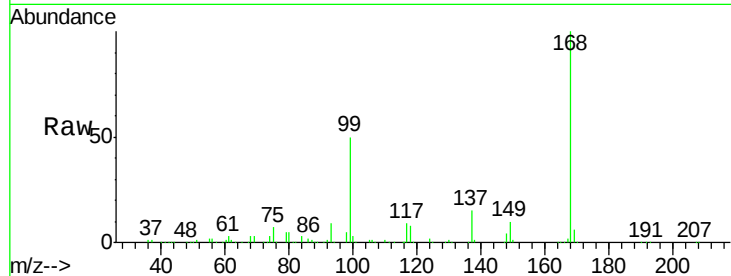
Tot Ion: 75 Resp: 23112

Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.2#

77 0.4 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.702 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

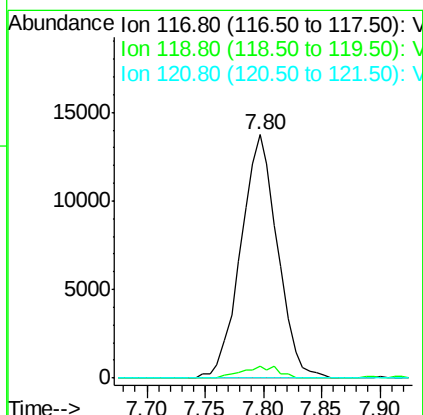
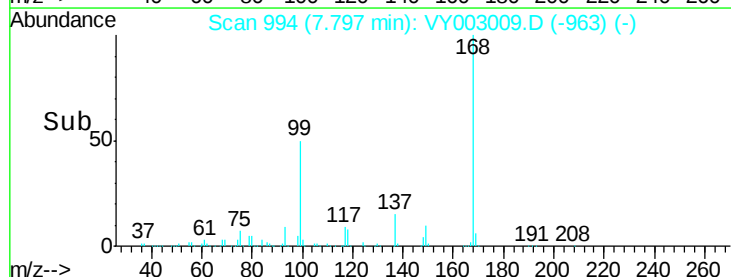
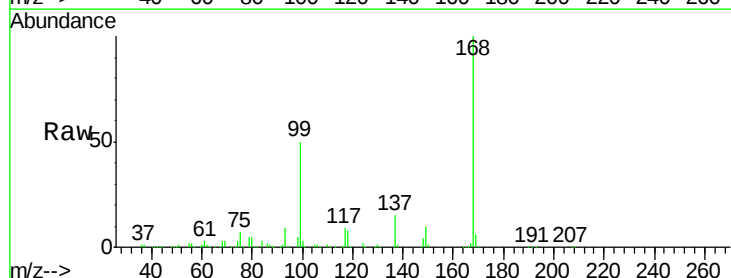
Tgt Ion: 117 Resp: 30047

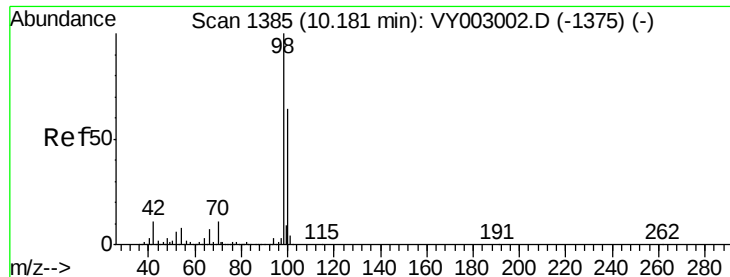
Ion Ratio Lower Upper

117 100

119 4.9 75.7 113.5#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 52.399 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

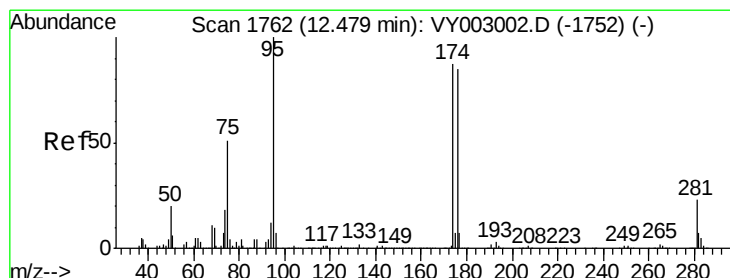
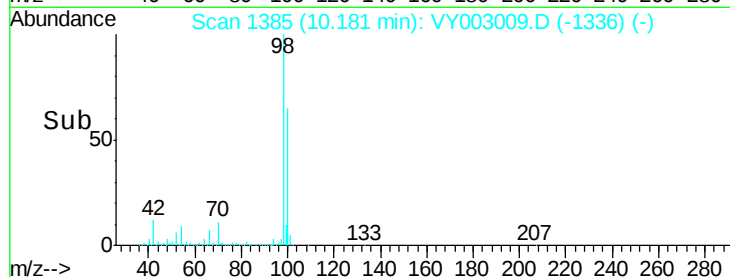
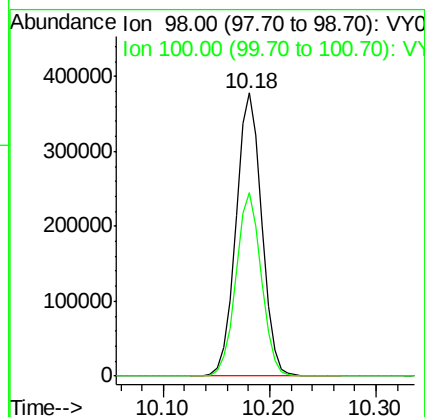
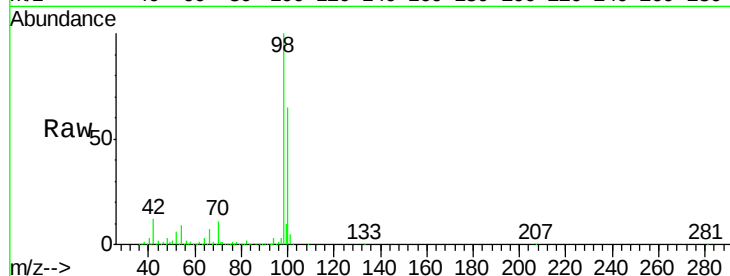
BU-03-062620

Tot Ion: 98 Resp: 640251

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 52.757 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

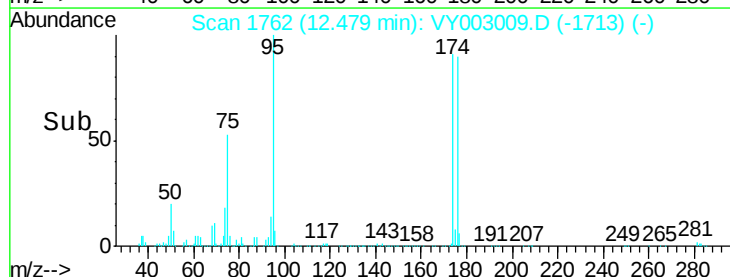
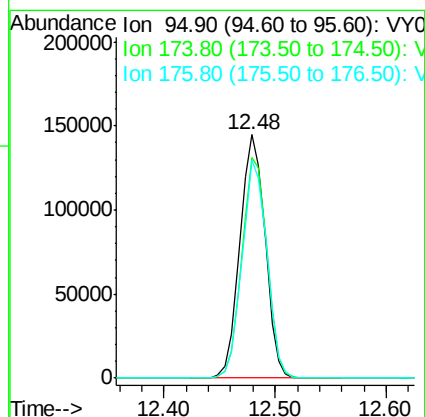
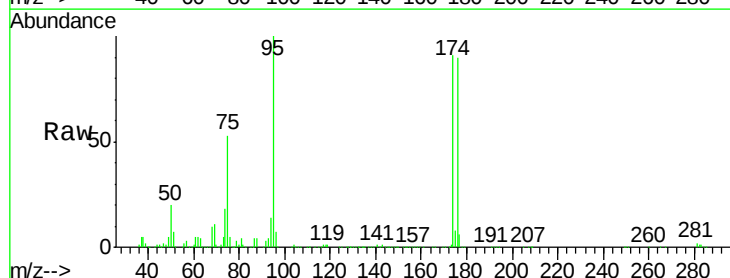
Tgt Ion: 95 Resp: 226910

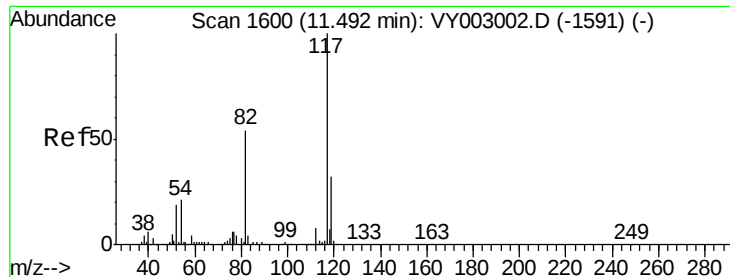
Ion Ratio Lower Upper

95 100

174 90.6 0.0 184.8

176 88.1 0.0 183.0

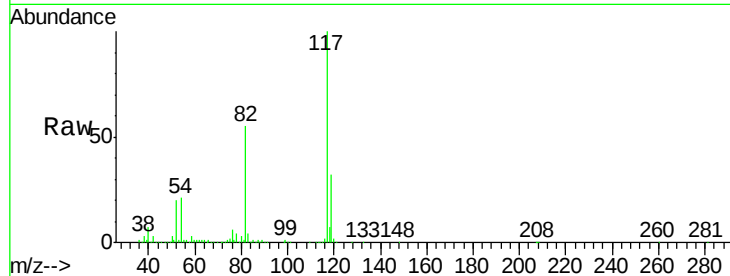




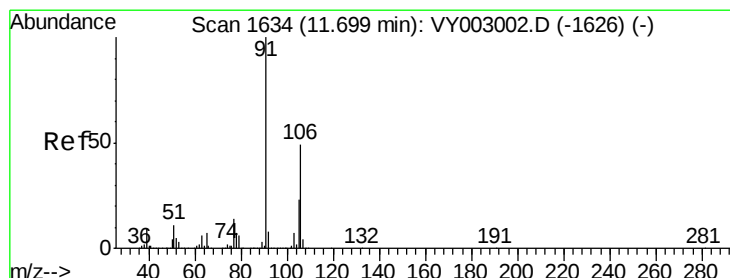
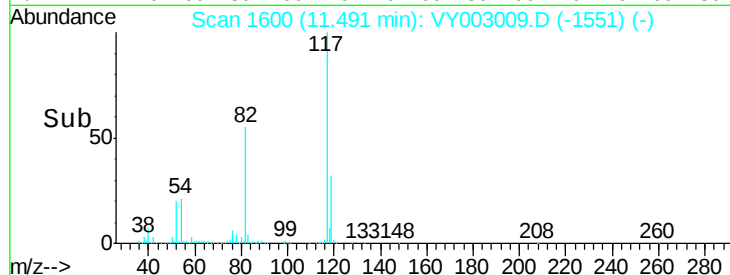
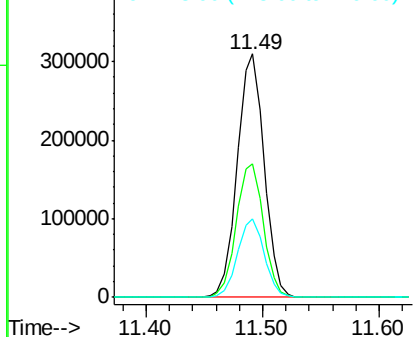
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003009.D
Acq: 29 Jun 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-062620

Tot Ion:117 Resp: 499219
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.6
119 32.1 25.8 38.8

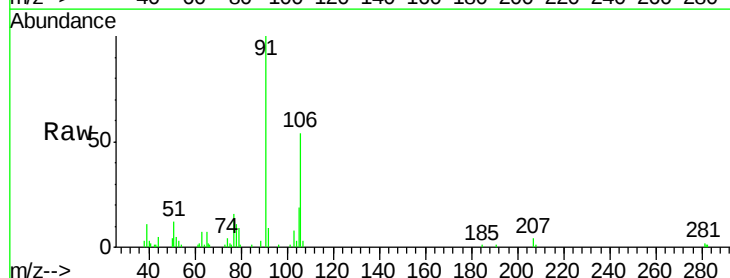


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

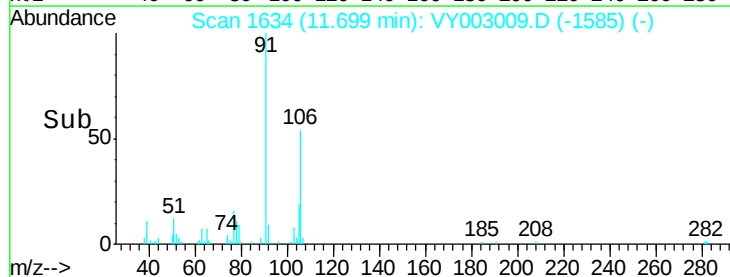
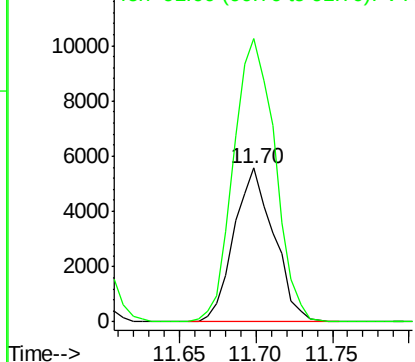


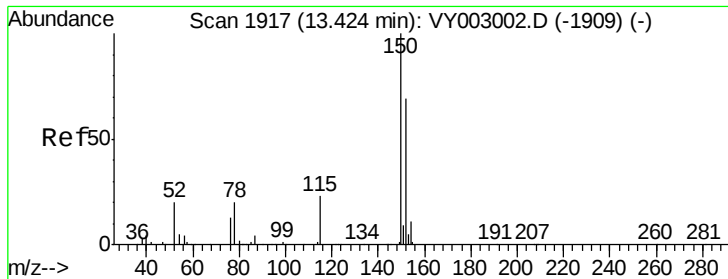
#68
m/p-Xylenes
Concen: 1.510 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY003009.D
Acq: 29 Jun 2020 16:19

Tgt Ion:106 Resp: 10122
Ion Ratio Lower Upper
106 100
91 191.0 161.9 242.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0



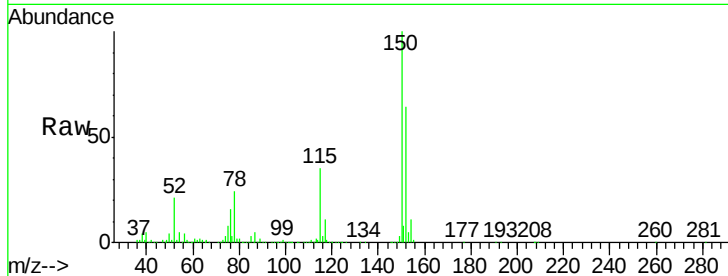


#72

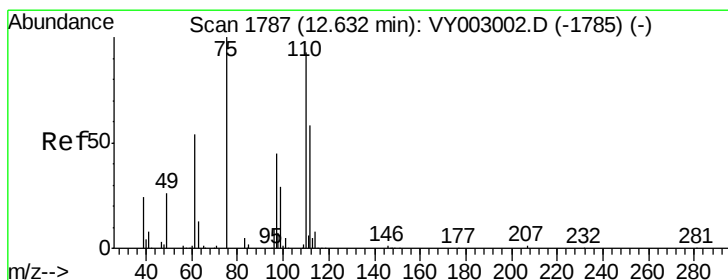
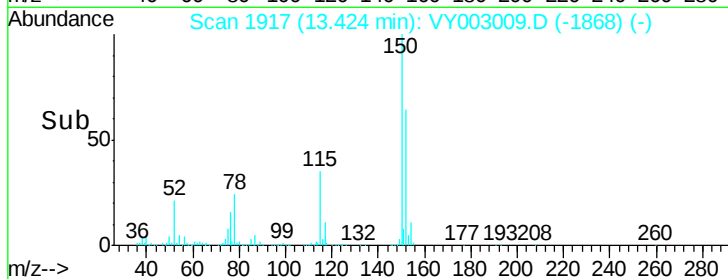
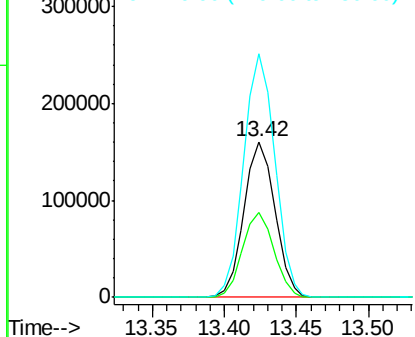
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003009.D
Acq: 29 Jun 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-062620

Tot Ion:152 Resp: 240084
Ion Ratio Lower Upper
152 100
115 55.3 27.3 81.9
150 157.5 0.0 343.4



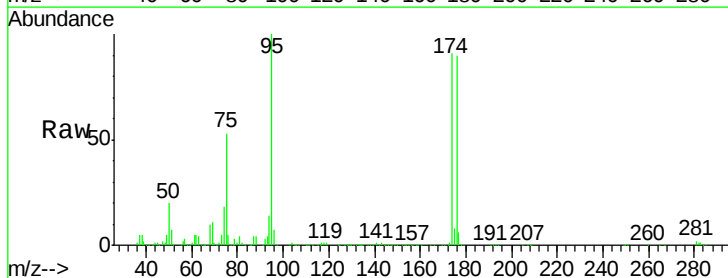
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



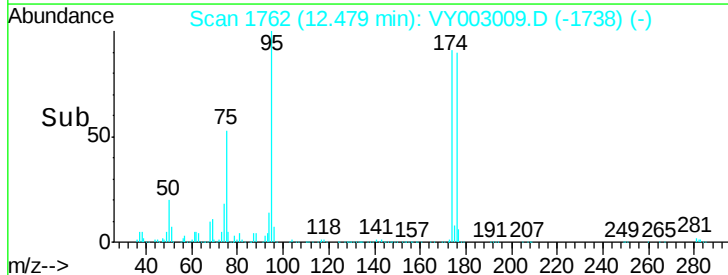
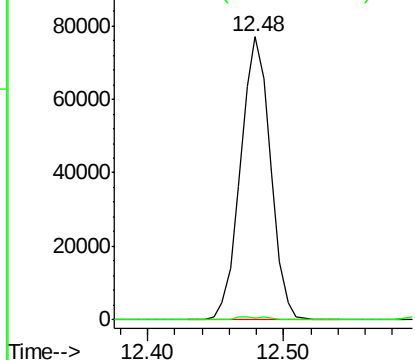
#76

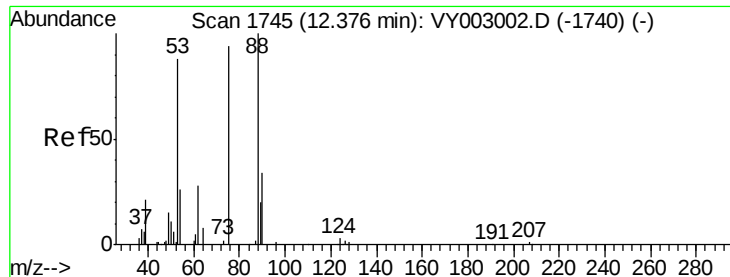
1,2,3-Trichloropropane
Concen: 49.961 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003009.D
Acq: 29 Jun 2020 16:19

Tgt Ion: 75 Resp: 118712
Ion Ratio Lower Upper
75 100
77 1.3 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: 97.203 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-062620

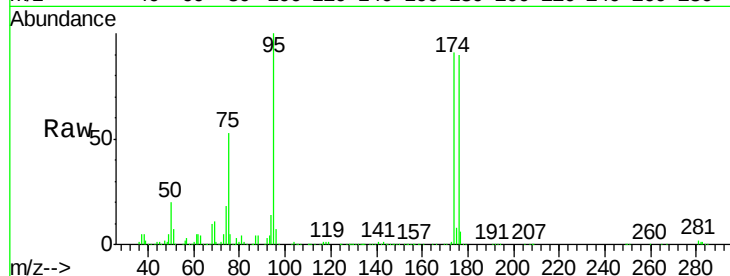
Tot Ion: 75 Resp: 118712

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

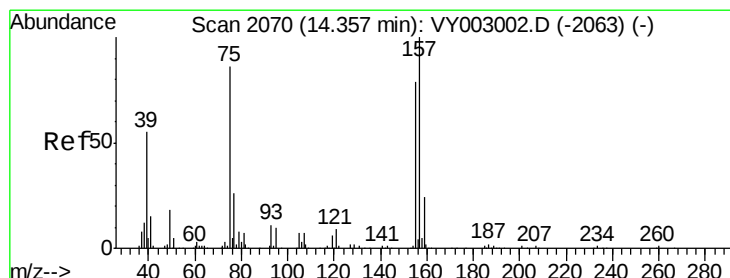
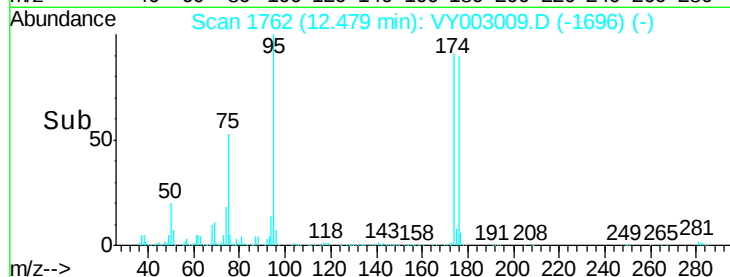
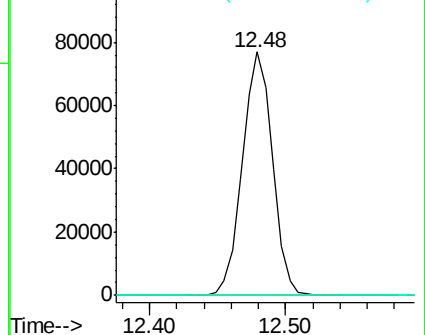
89 0.0 37.5 56.3#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.254 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

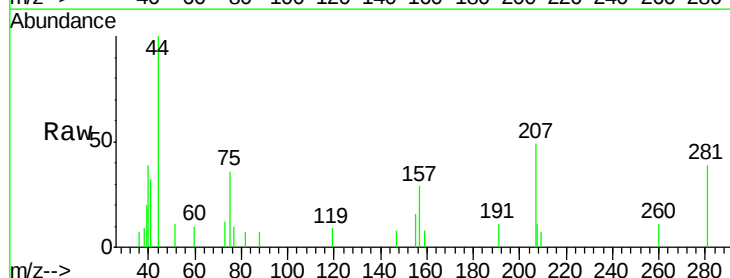
Tgt Ion: 75 Resp: 704

Ion Ratio Lower Upper

75 100

155 39.6 46.5 139.3#

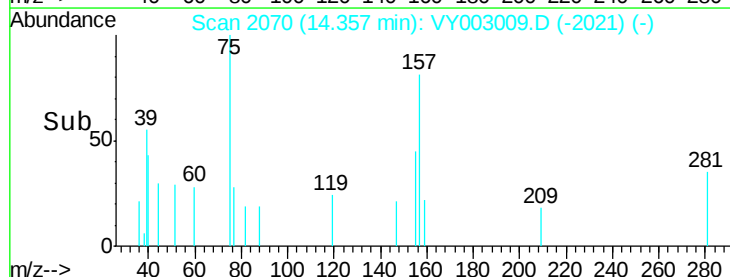
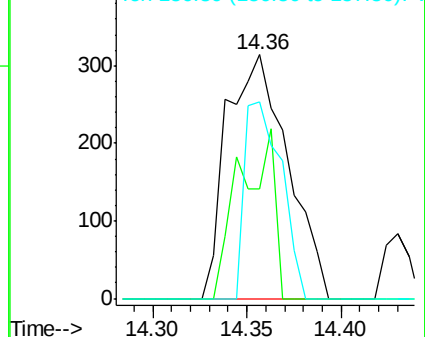
157 48.7 59.2 177.5#

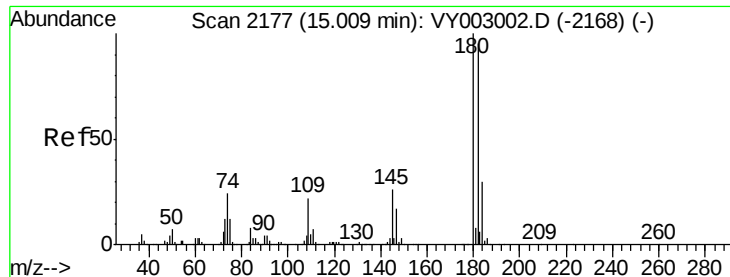


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

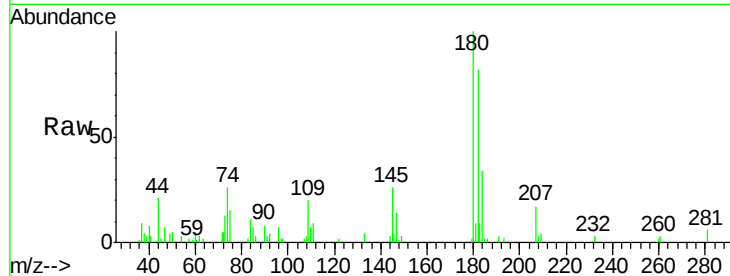




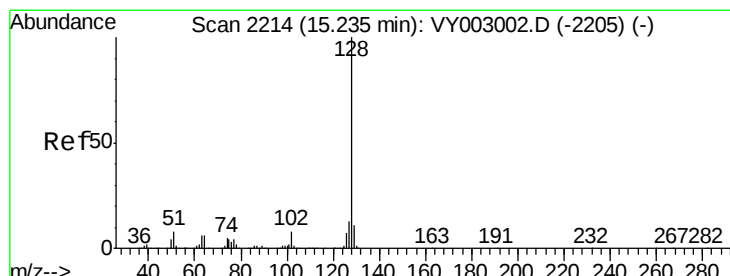
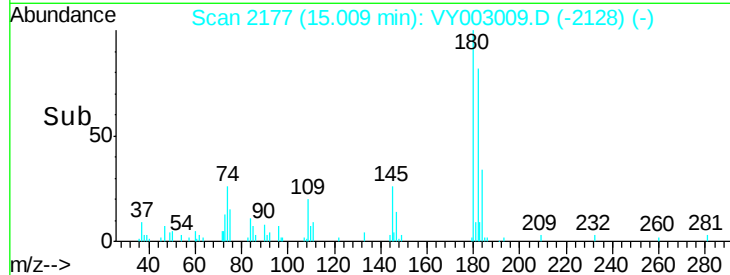
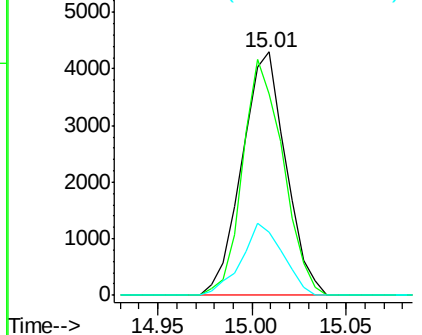
#93
 1,2,4-Trichlorobenzene
 Concen: 1.383 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY003009.D
 Acq: 29 Jun 2020 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-062620

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.9	48.1	144.3
145	27.9	13.9	41.6

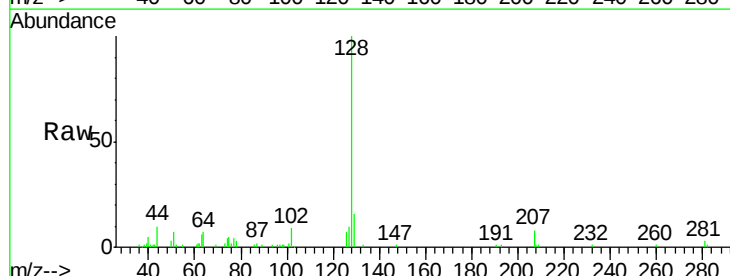


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

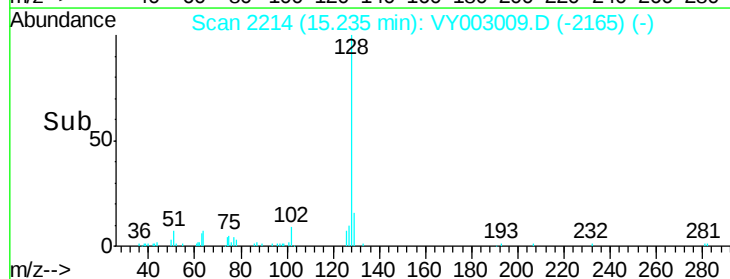
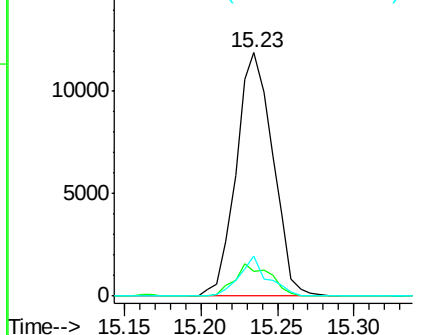


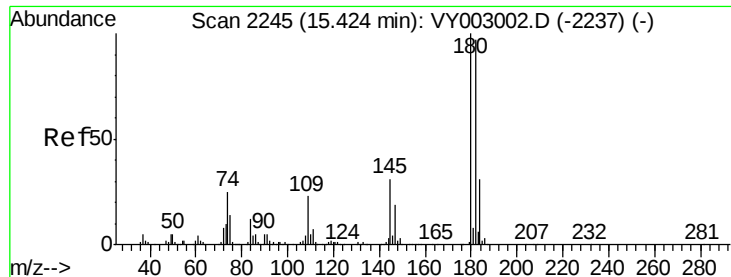
#95
 Naphthalene
 Concen: 2.160 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003009.D
 Acq: 29 Jun 2020 16:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	12.6	8.8	13.2



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: 1.653 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.01 min

Lab File: VY003009.D

Acq: 29 Jun 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-062620

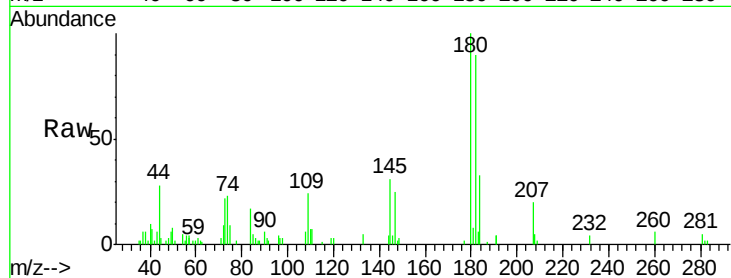
Tot Ion:180 Resp: 7197

Ion Ratio Lower Upper

180 100

182 92.4 47.8 143.3

145 32.5 14.7 44.1



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

