

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003107.D
 Acq On : 06 Jul 2020 12:50
 Operator : SY/MD
 Sample : L3211-09
 Misc : 11.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9 3-3.5

Quant Time: Jul 07 07:02:53 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	173146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	268871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	246549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	123042	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	88125	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	7.72	113	87171	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.18	98	319129	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.48	95	107152	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	

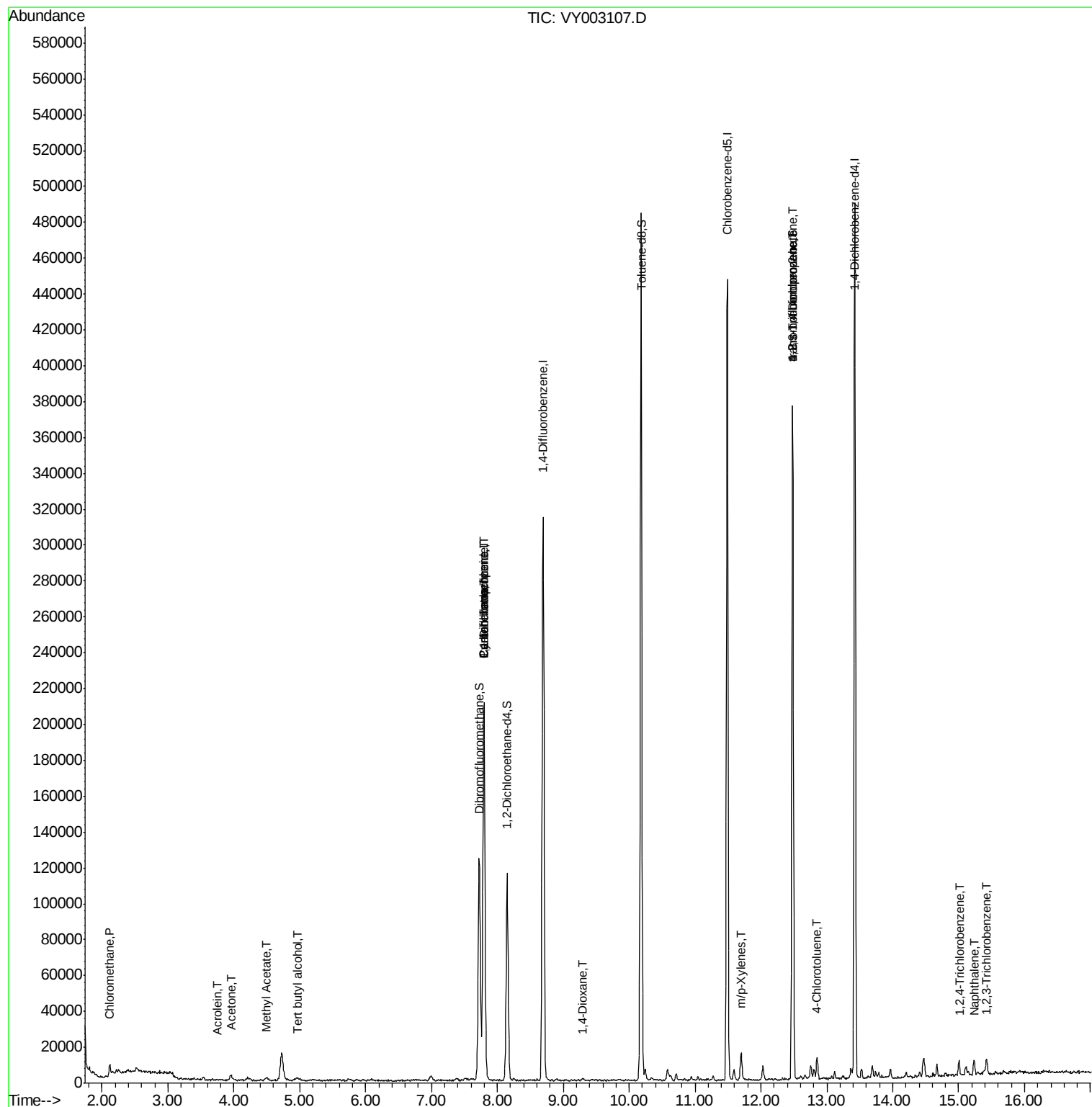
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	5317	2.769	ug/l	90
11) Tert butyl alcohol	4.97	59	2918	16.650	ug/l #	73
13) Acrolein	3.75	56	183	1.163	ug/l	96
16) Acetone	3.96	43	5165	12.735	ug/l #	83
18) Methyl Acetate	4.49	43	2171	1.987	ug/l #	74
20) Methylene Chloride	4.73	84	11469	Below Cal		87
31) Cyclohexane	7.80	56	3142	1.039	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	11893	4.592	ug/l #	50
38) Carbon Tetrachloride	7.80	117	15616	5.795	ug/l #	17
49) 1,4-Dioxane	9.30	88	51	3.921	ug/l #	8
68) m/p-Xylenes	11.70	106	4827	1.458	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	53752	44.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	53752	85.880	ug/l #	12
82) 4-Chlorotoluene	12.85	91	6478	1.151	ug/l	96
93) 1,2,4-Trichlorobenzene	15.01	180	2670	1.039	ug/l	95
95) Naphthalene	15.23	128	5901	1.257	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.42	180	2415	1.082	ug/l	95

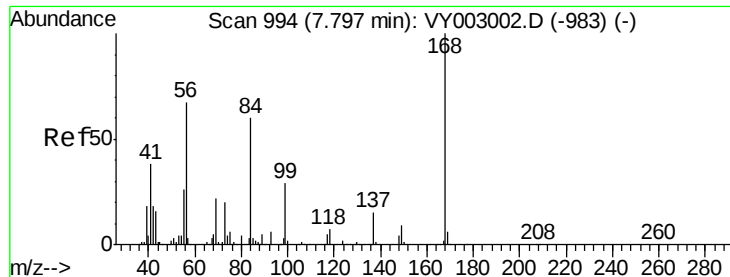
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-9 3-3.5

Quant Time: Jul 07 07:02:53 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: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

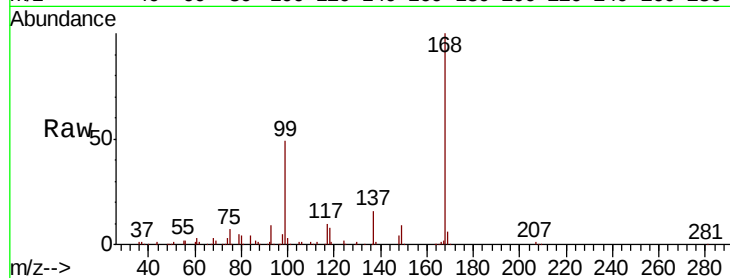
SB-9 3-3.5

Tot Ion:168 Resp: 173146

Ion Ratio Lower Upper

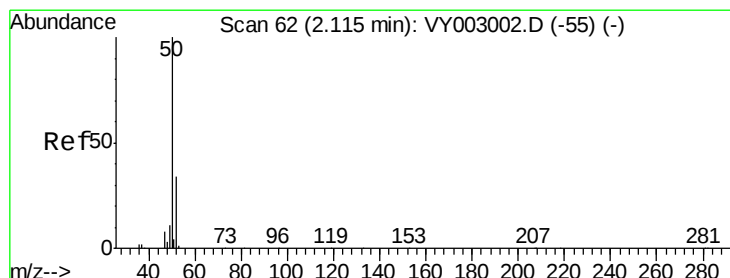
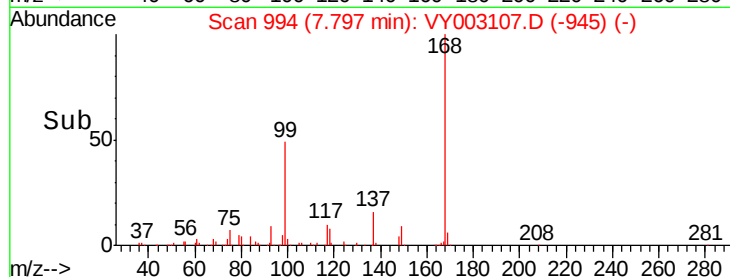
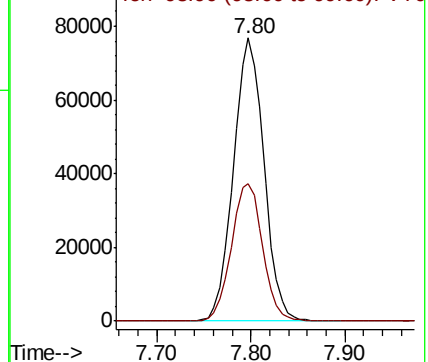
168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003107.D (-13)

Ion 98.90 (98.60 to 99.60): VY003107.D (-13)



#3

Chloromethane

Concen: 2.769 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003107.D

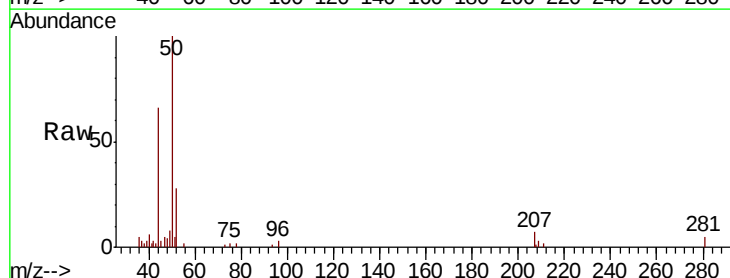
Acq: 06 Jul 2020 12:50

Tgt Ion: 50 Resp: 5317

Ion Ratio Lower Upper

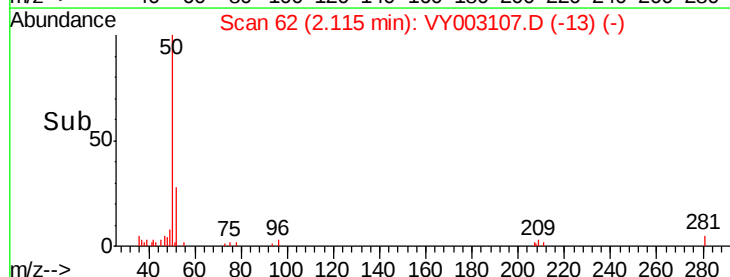
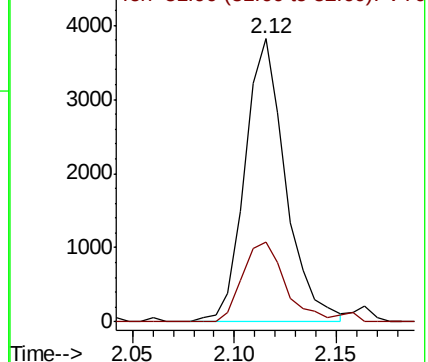
50 100

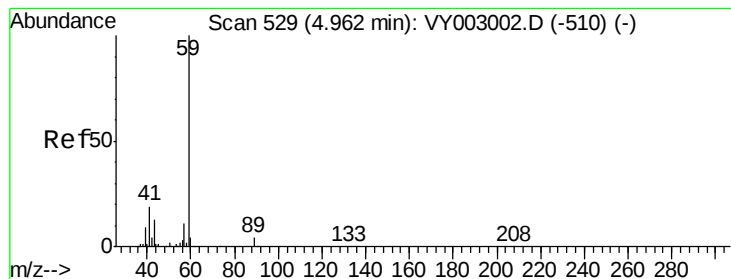
52 28.1 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VY003107.D (-13)

Ion 51.90 (51.60 to 52.60): VY003107.D (-13)



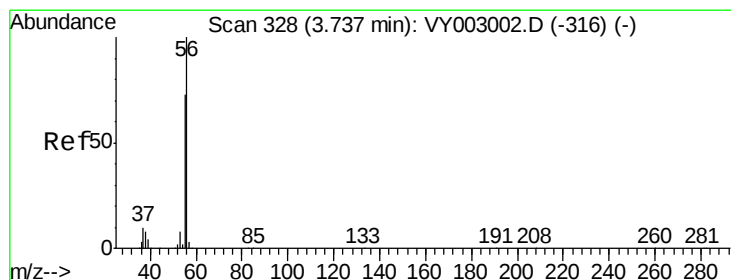
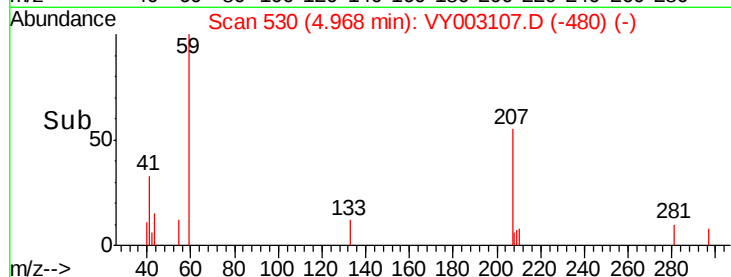
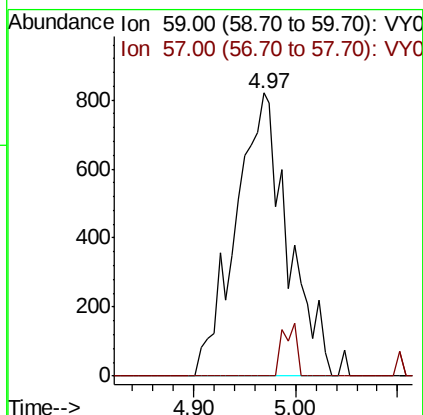
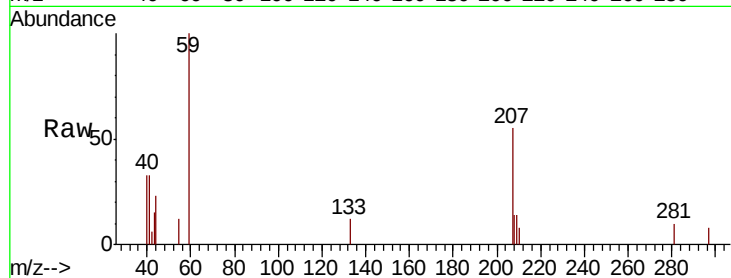


#11

Tert butyl alcohol
 Concen: 16.650 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VY003107.D
 Acq: 06 Jul 2020 12:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9 3-3.5

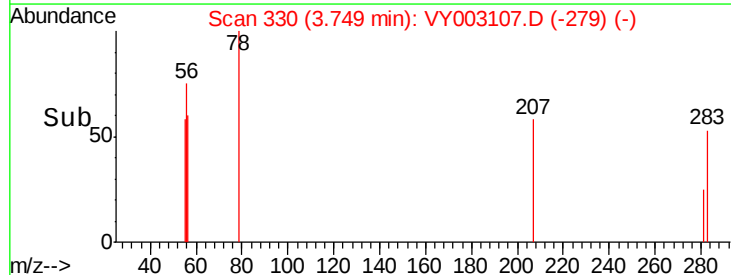
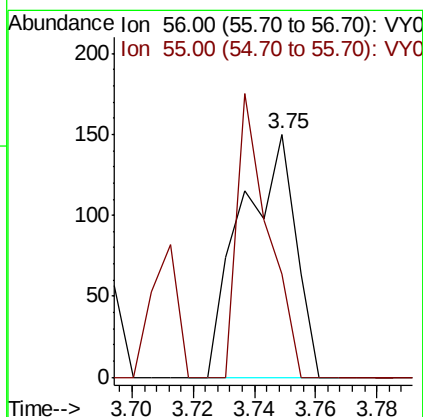
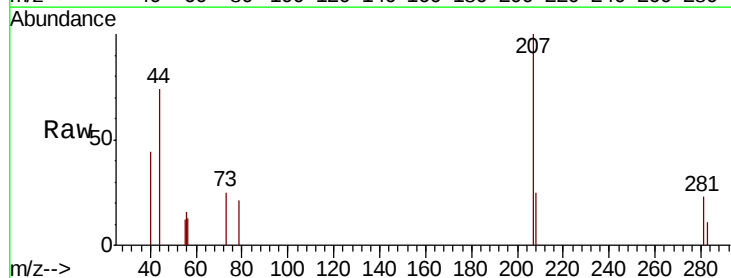
Tot Ion: 59 Resp: 2918
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

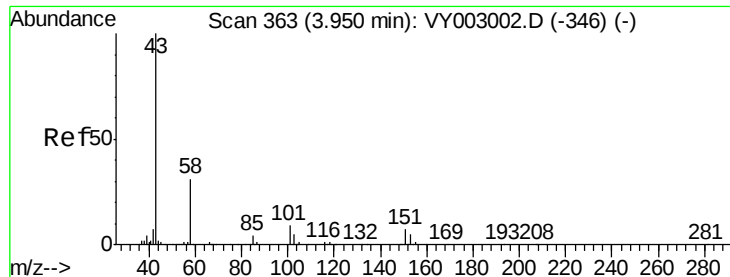


#13

Acrolein
 Concen: 1.163 ug/l
 RT: 3.75 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VY003107.D
 Acq: 06 Jul 2020 12:50

Tgt Ion: 56 Resp: 183
 Ion Ratio Lower Upper
 56 100
 55 67.2 56.4 84.6





#16

Acetone

Concen: 12.735 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

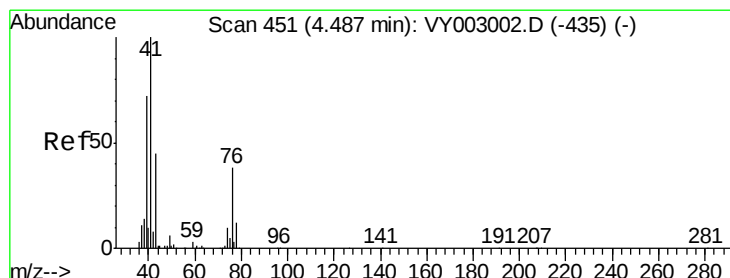
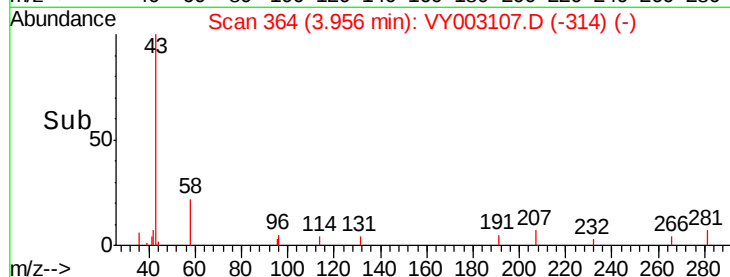
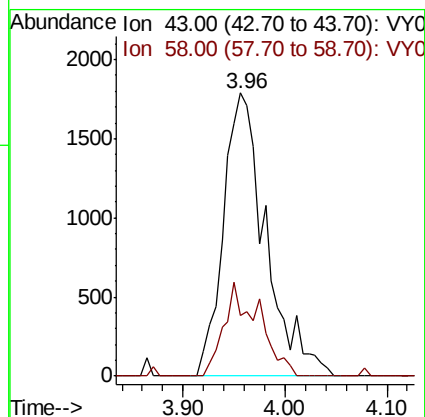
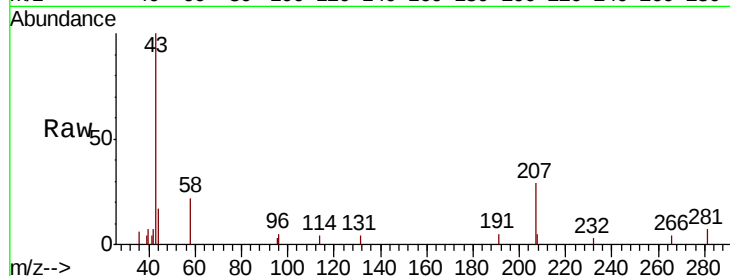
SB-9 3-3.5

Tot Ion: 43 Resp: 5165

Ion Ratio Lower Upper

43 100

58 21.6 24.7 37.1#



#18

Methyl Acetate

Concen: 1.987 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY003107.D

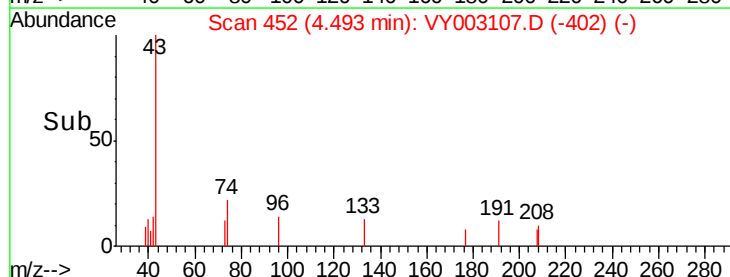
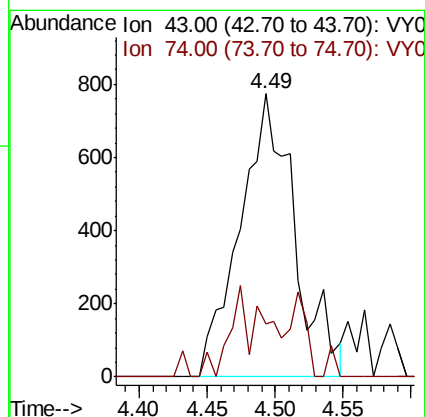
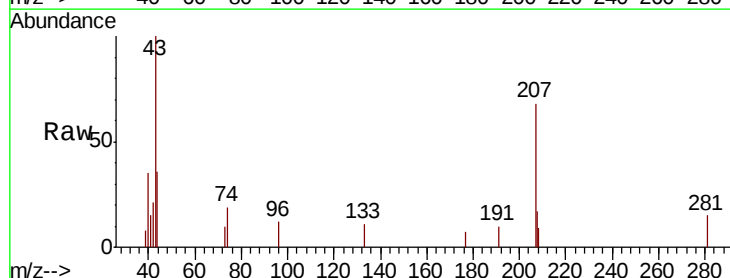
Acq: 06 Jul 2020 12:50

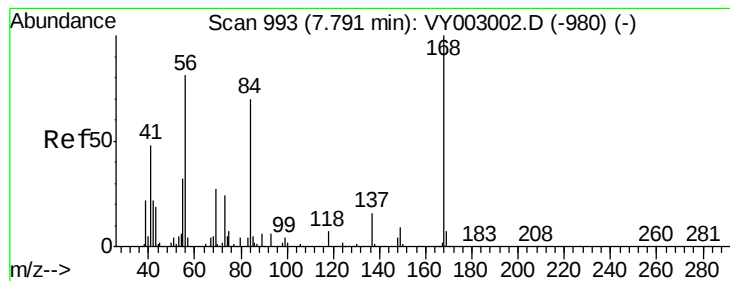
Tgt Ion: 43 Resp: 2171

Ion Ratio Lower Upper

43 100

74 10.1 18.2 27.4#





#31

Cyclohexane

Concen: 1.039 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampled :

SB-9 3-3.5

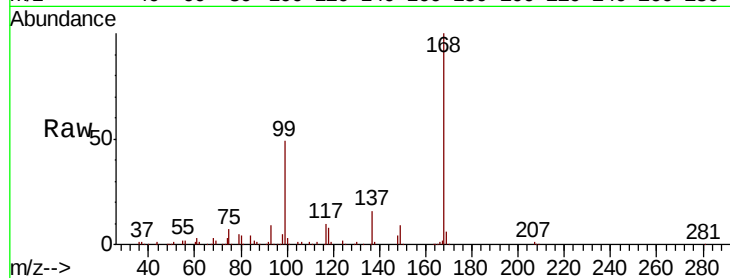
Tot Ion: 56 Resp: 3142

Ion Ratio Lower Upper

56 100

69 117.4 27.0 40.4#

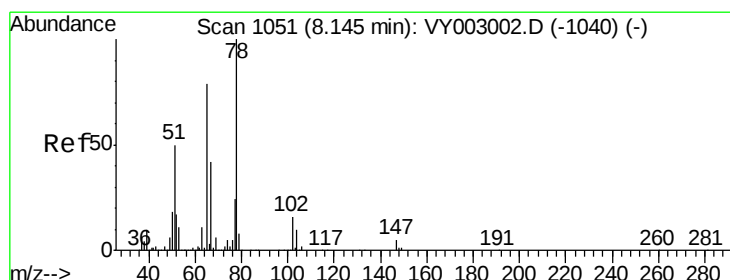
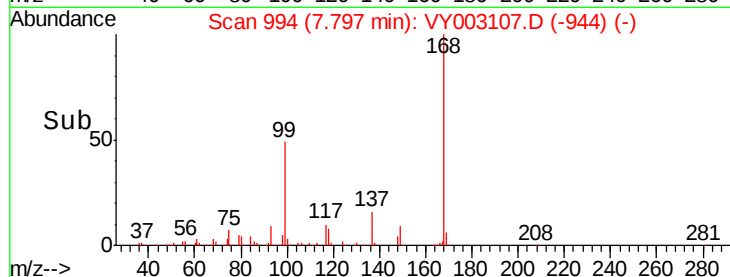
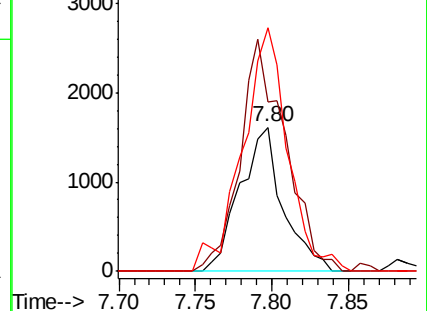
84 168.6 68.1 102.1#



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: 51.245 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003107.D

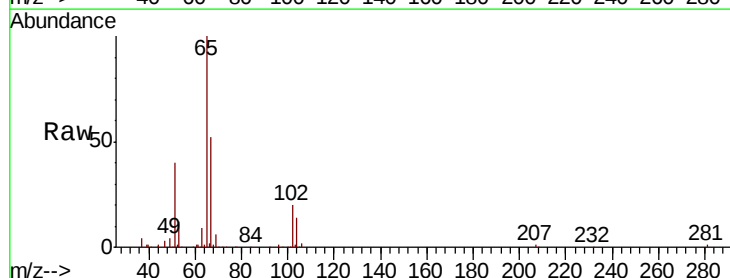
Acq: 06 Jul 2020 12:50

Tgt Ion: 65 Resp: 88125

Ion Ratio Lower Upper

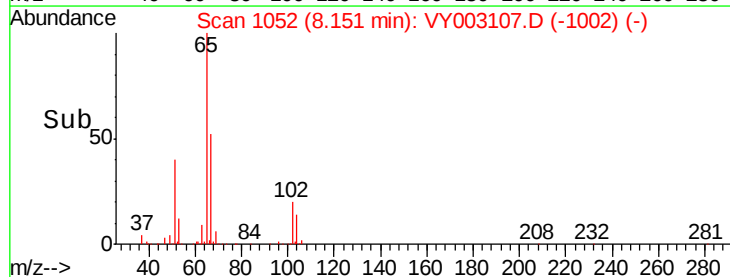
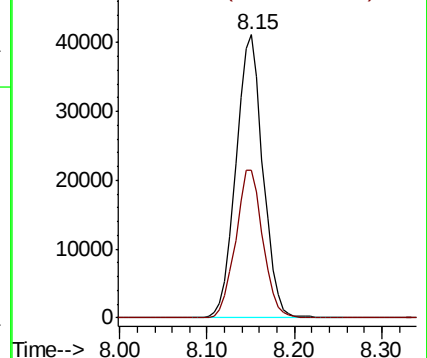
65 100

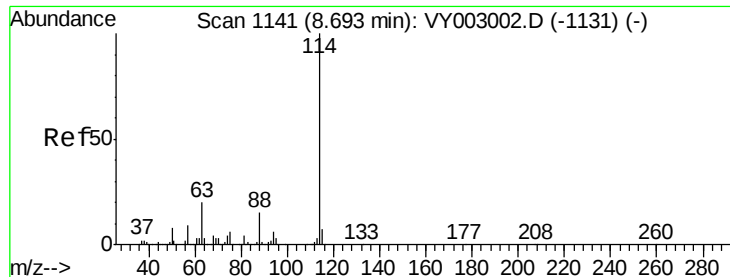
67 52.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

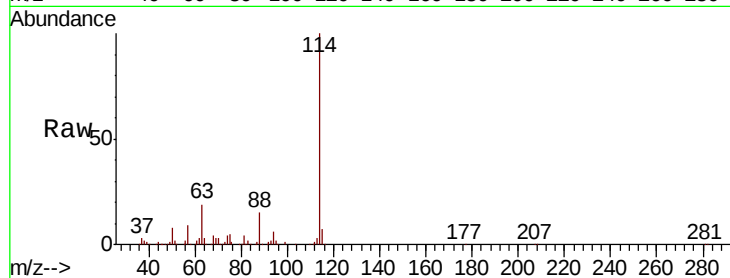




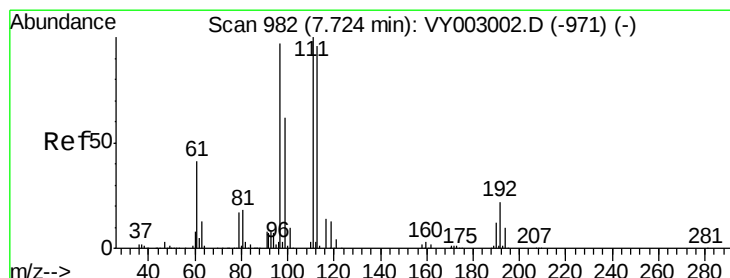
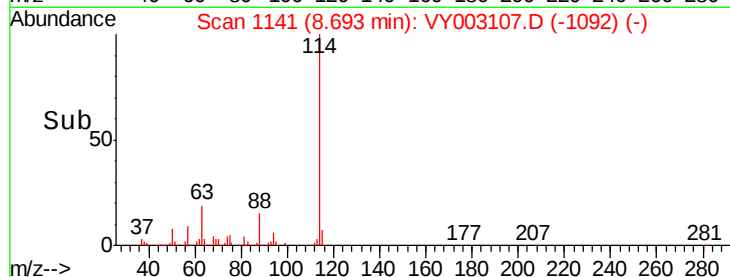
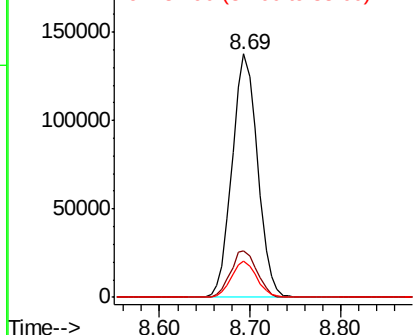
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003107.D
 Acq: 06 Jul 2020 12:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-9 3-3.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.6
88	15.0	0.0	30.0

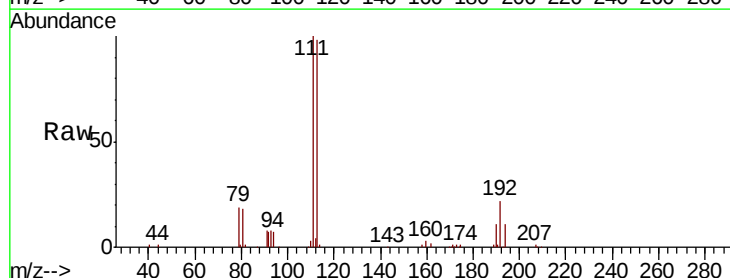


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

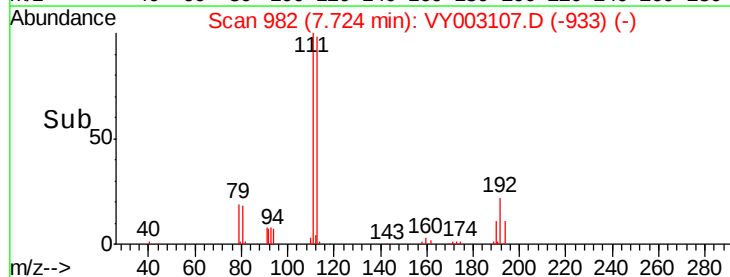
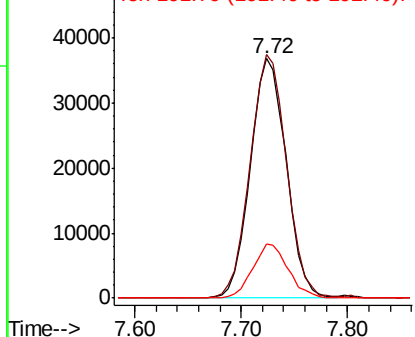


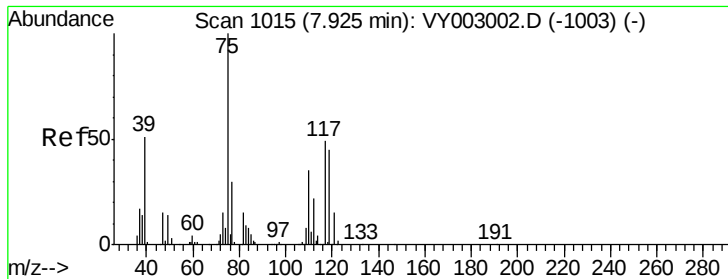
#35
 Dibromofluoromethane
 Concen: 51.972 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003107.D
 Acq: 06 Jul 2020 12:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	123.8
192	22.3	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: 4.592 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-9 3-3.5

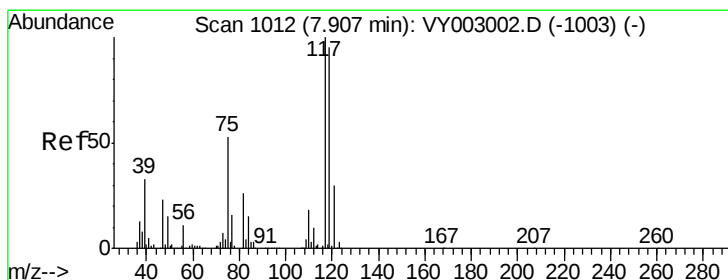
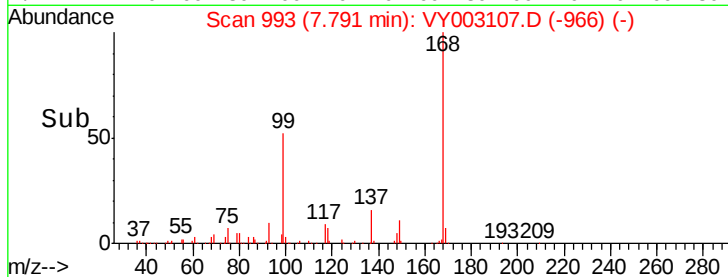
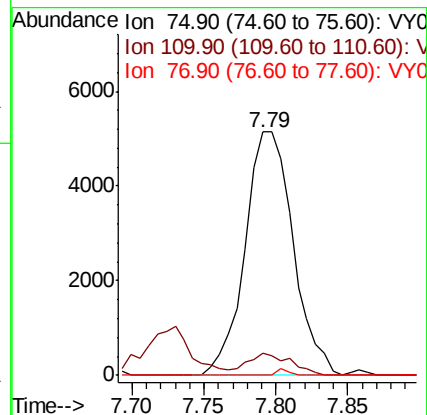
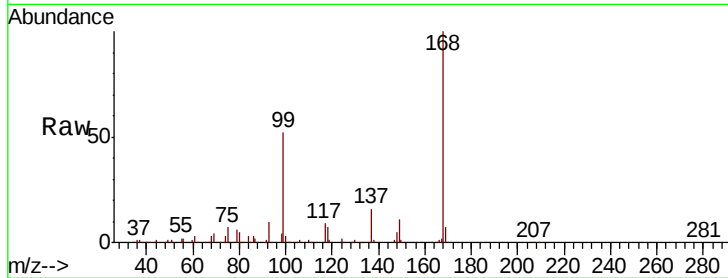
Tot Ion: 75 Resp: 11893

Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

77 0.6 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

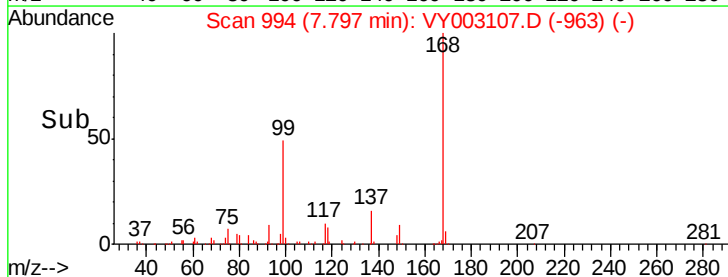
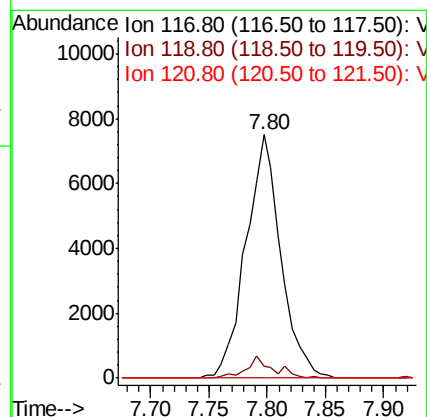
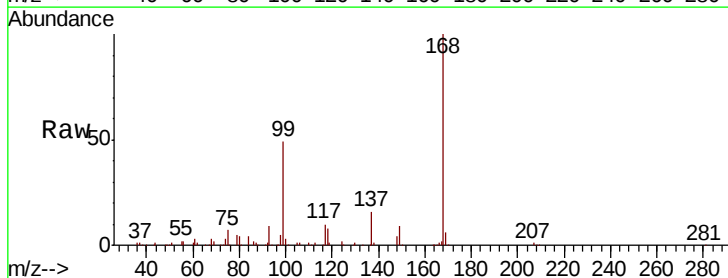
Tgt Ion: 117 Resp: 15616

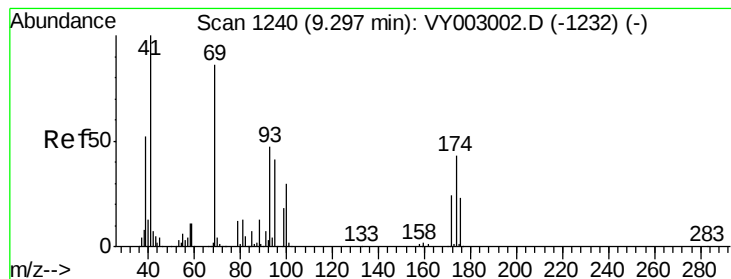
Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 3.921 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-9 3-3.5

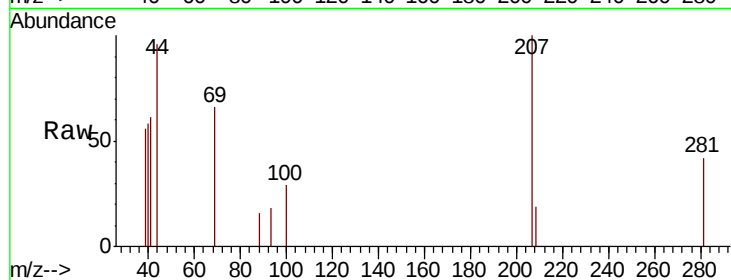
Tot Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 96.1 28.6 42.8#

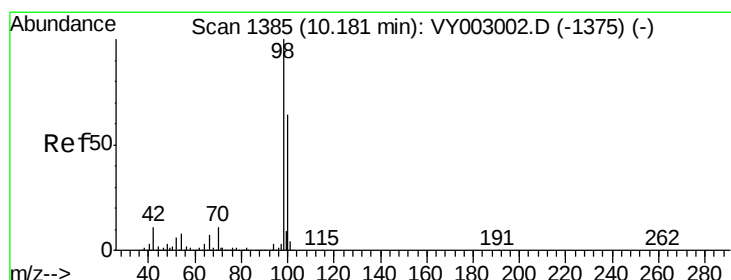
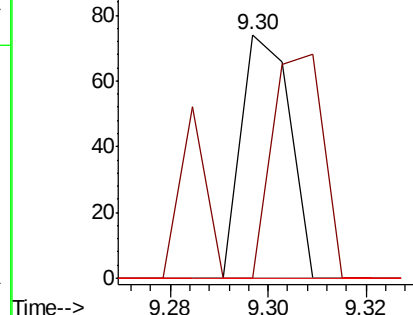
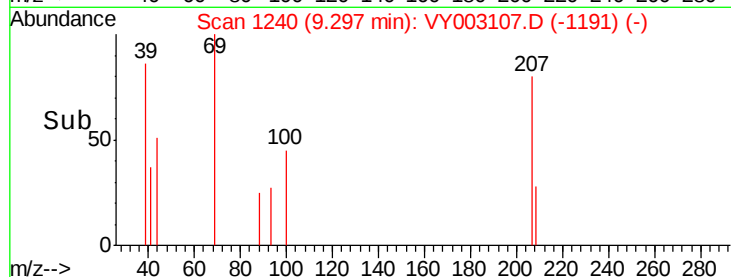
58 0.0 56.7 85.1#



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: 51.072 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003107.D

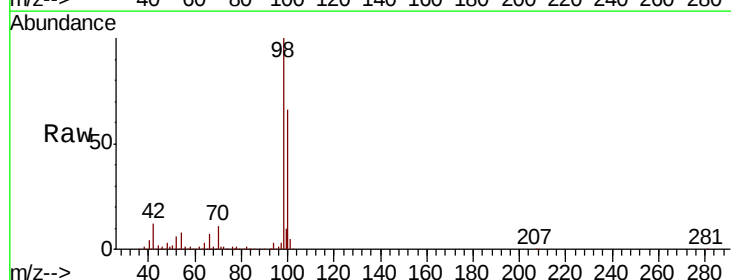
Acq: 06 Jul 2020 12:50

Tgt Ion: 98 Resp: 319129

Ion Ratio Lower Upper

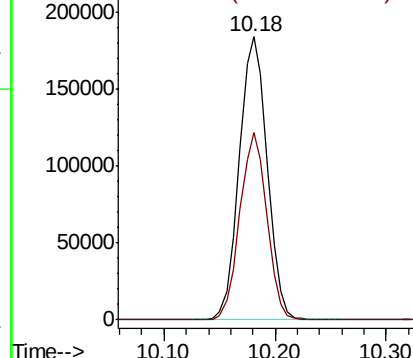
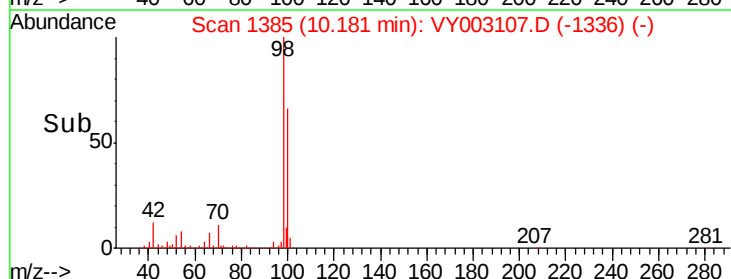
98 100

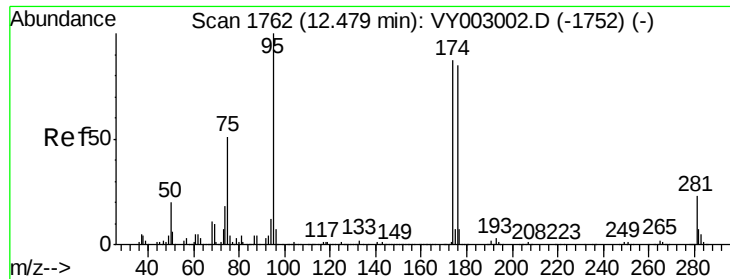
100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#62

4-Bromofluorobenzene

Concen: 48.717 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-9 3-3.5

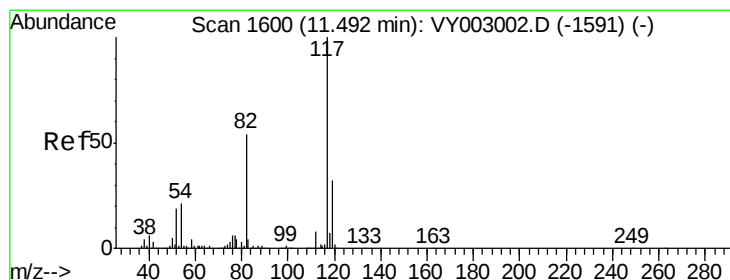
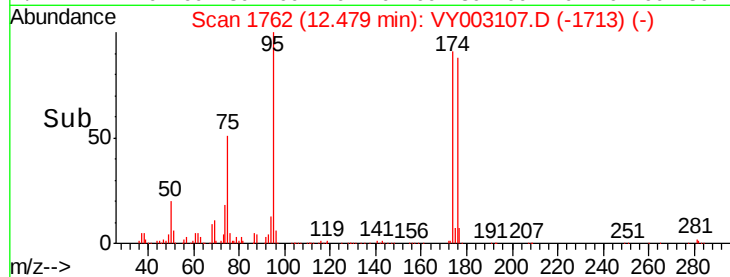
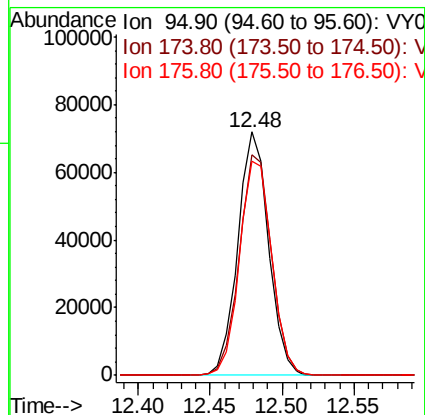
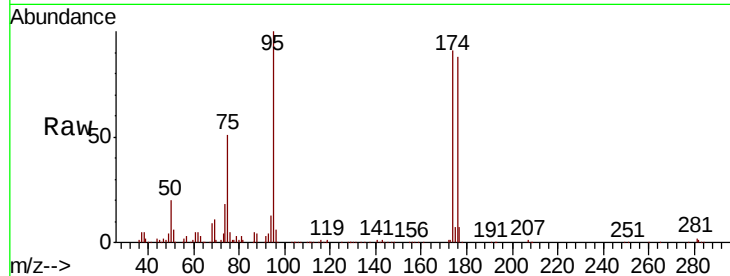
Tot Ion: 95 Resp: 107152

Ion Ratio Lower Upper

95 100

174 94.2 0.0 184.8

176 91.6 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: VY003107.D

Acq: 06 Jul 2020 12:50

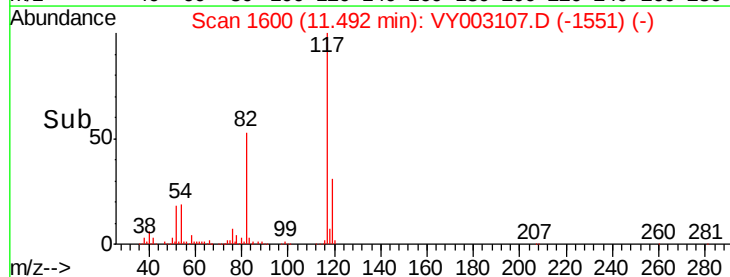
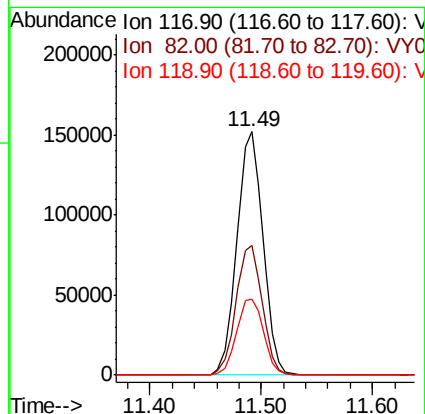
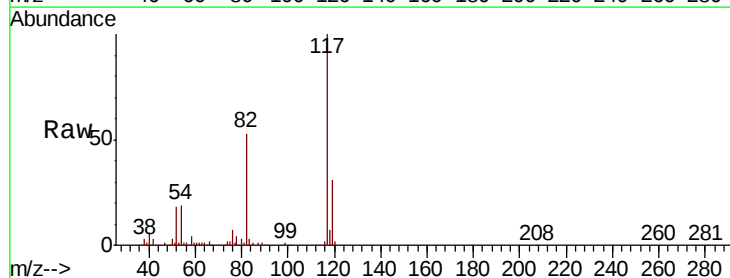
Tgt Ion: 117 Resp: 246549

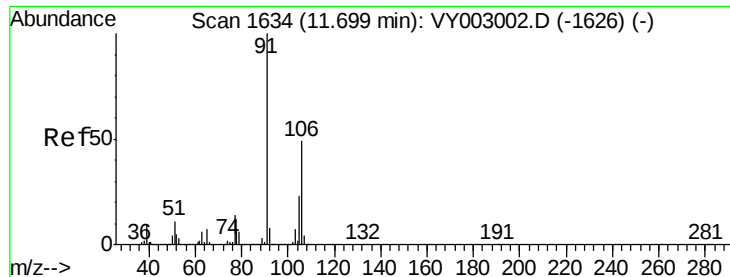
Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.6

119 31.3 25.8 38.8





#68

m/p-Xvlenes

Concen: 1.458 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

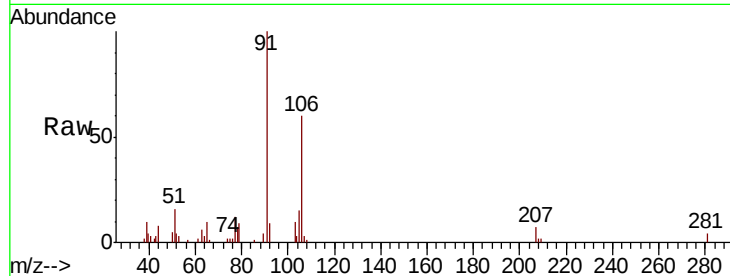
SB-9 3-3.5

Tot Ion:106 Resp: 4827

Ion Ratio Lower Upper

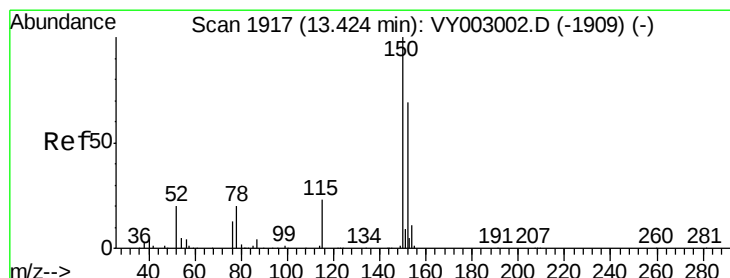
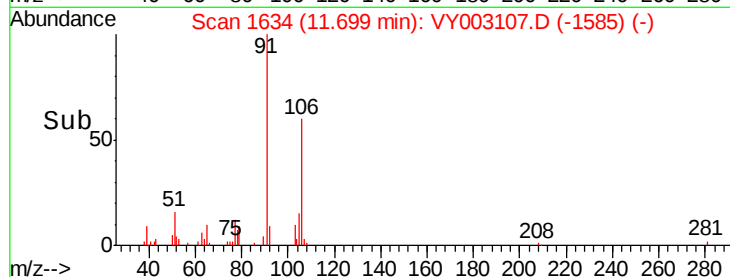
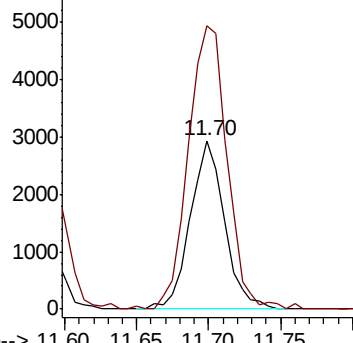
106 100

91 190.4 161.9 242.9



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: VY003107.D

Acq: 06 Jul 2020 12:50

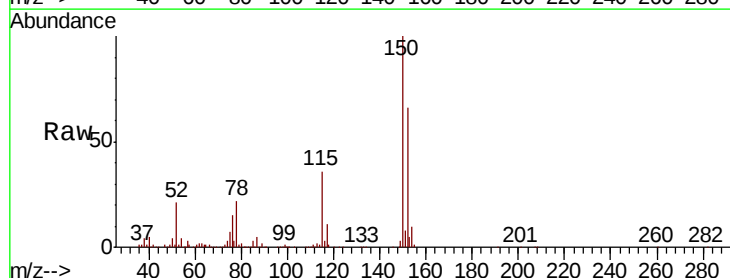
Tgt Ion:152 Resp: 123042

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

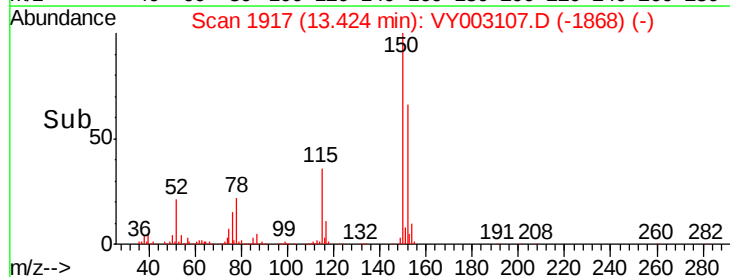
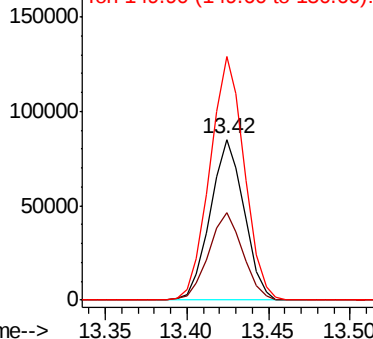
150 154.5 0.0 343.4

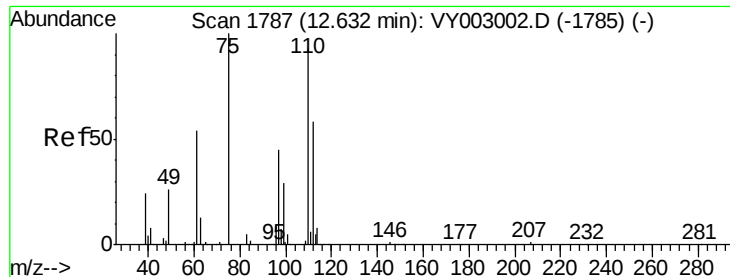


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.141 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

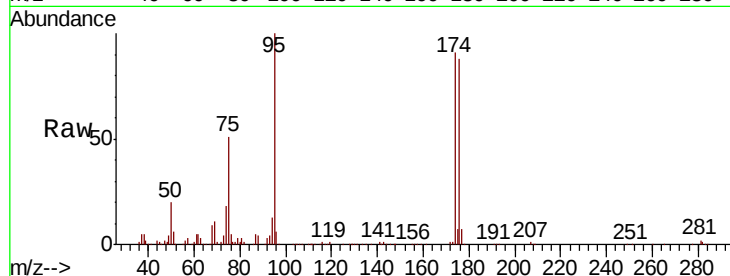
SB-9 3-3.5

Tot Ion: 75 Resp: 53752

Ion Ratio Lower Upper

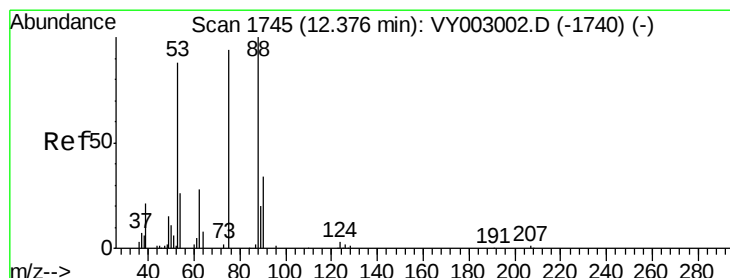
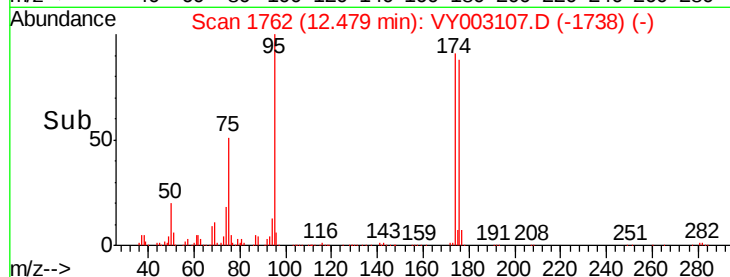
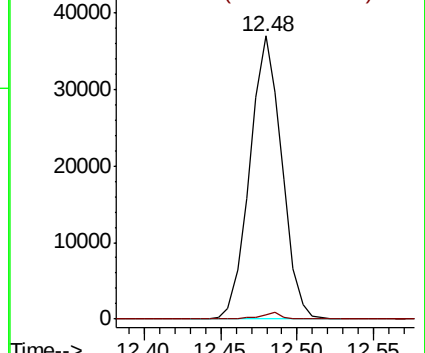
75 100

77 1.7 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: 85.880 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

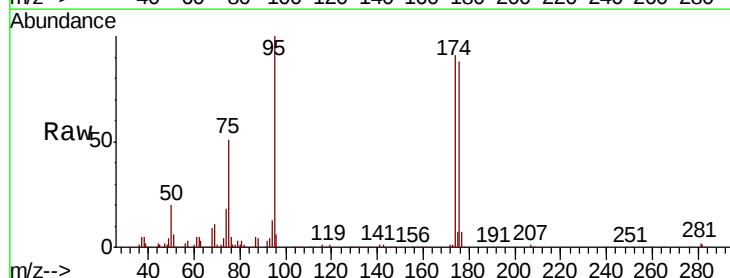
Tgt Ion: 75 Resp: 53752

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

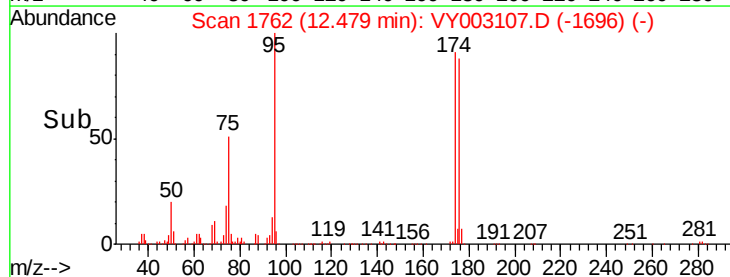
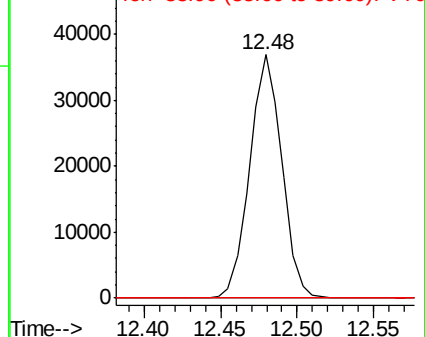
89 0.0 37.5 56.3#

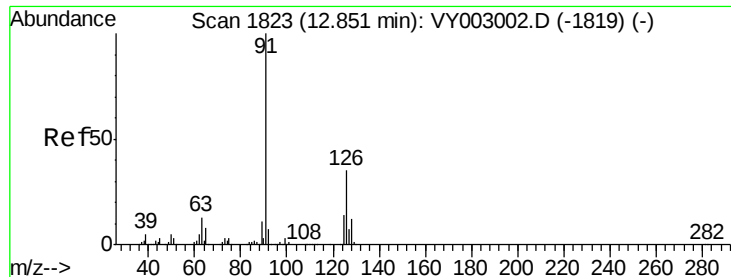


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#82

4-Chlorotoluene

Concen: 1.151 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

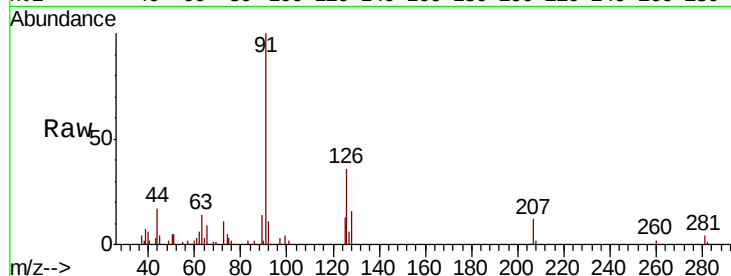
SB-9 3-3.5

Tot Ion: 91 Resp: 6478

Ion Ratio Lower Upper

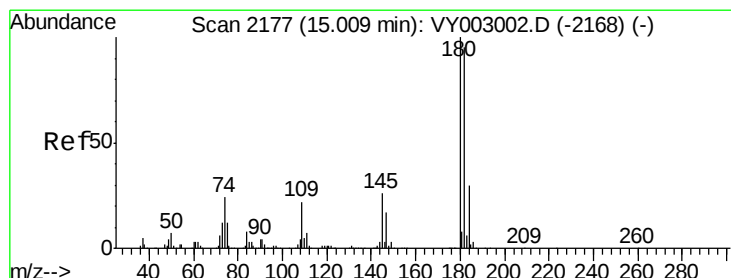
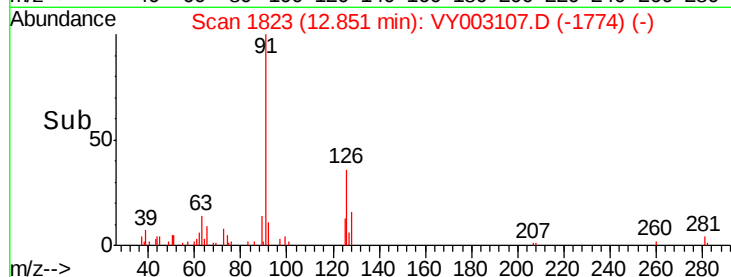
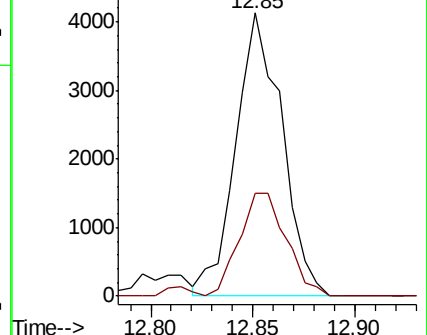
91 100

126 37.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY003107.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VY003107.D (-1774) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.039 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

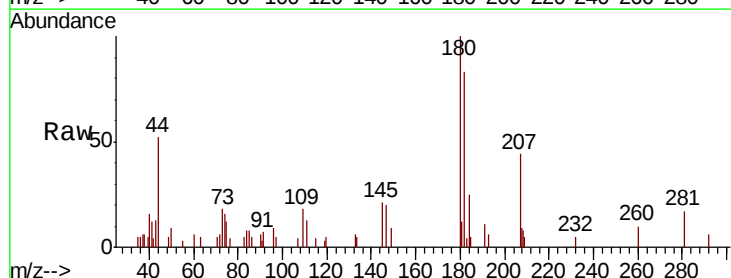
Tgt Ion: 180 Resp: 2670

Ion Ratio Lower Upper

180 100

182 89.5 48.1 144.3

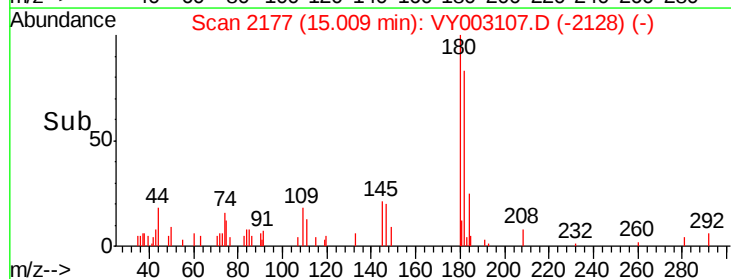
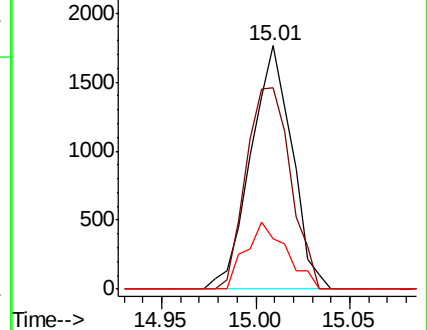
145 27.3 13.9 41.6

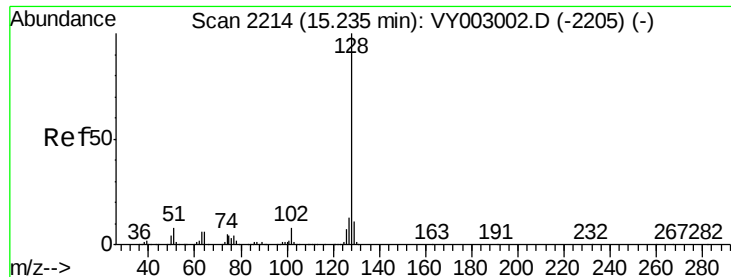


Abundance Ion 179.80 (179.50 to 180.50): VY003107.D (-2128) (-)

Ion 181.80 (181.50 to 182.50): VY003107.D (-2128) (-)

Ion 144.80 (144.50 to 145.50): VY003107.D (-2128) (-)





#95

Naphthalene

Concen: 1.257 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

Instrument :

MSVOA_Y

ClientSampleId :

SB-9 3-3.5

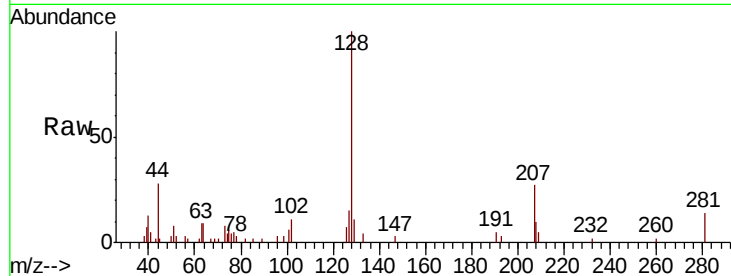
Tot Ion:128 Resp: 5901

Ion Ratio Lower Upper

128 100

127 16.5 10.8 16.2#

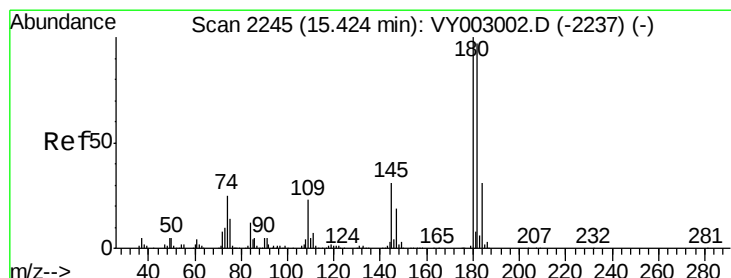
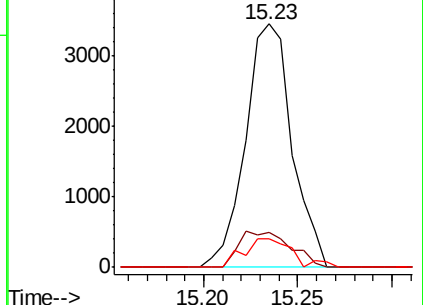
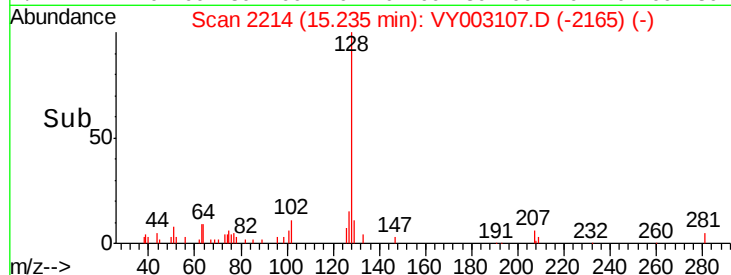
129 12.5 8.8 13.2



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: 1.082 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY003107.D

Acq: 06 Jul 2020 12:50

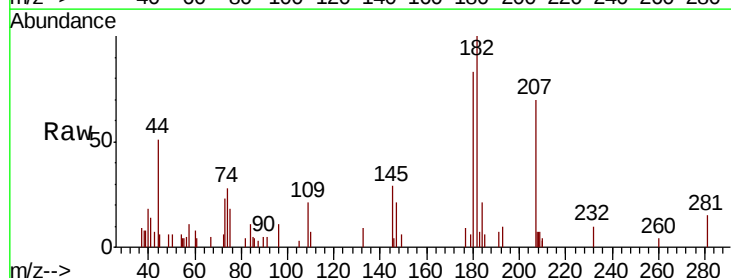
Tgt Ion:180 Resp: 2415

Ion Ratio Lower Upper

180 100

182 101.1 47.8 143.3

145 28.7 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

