

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY073120\
 Data File : VY003387.D
 Acq On : 31 Jul 2020 14:11
 Operator : SY/MD
 Sample : VY0731SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 01 01:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y073120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 31 13:09:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	472058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	734016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	682407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	337476	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	233861	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.20%		
35) Dibromofluoromethane	7.72	113	228952	52.95	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.90%		
50) Toluene-d8	10.18	98	895199	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.74%		
62) 4-Bromofluorobenzene	12.48	95	292864	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.24%		

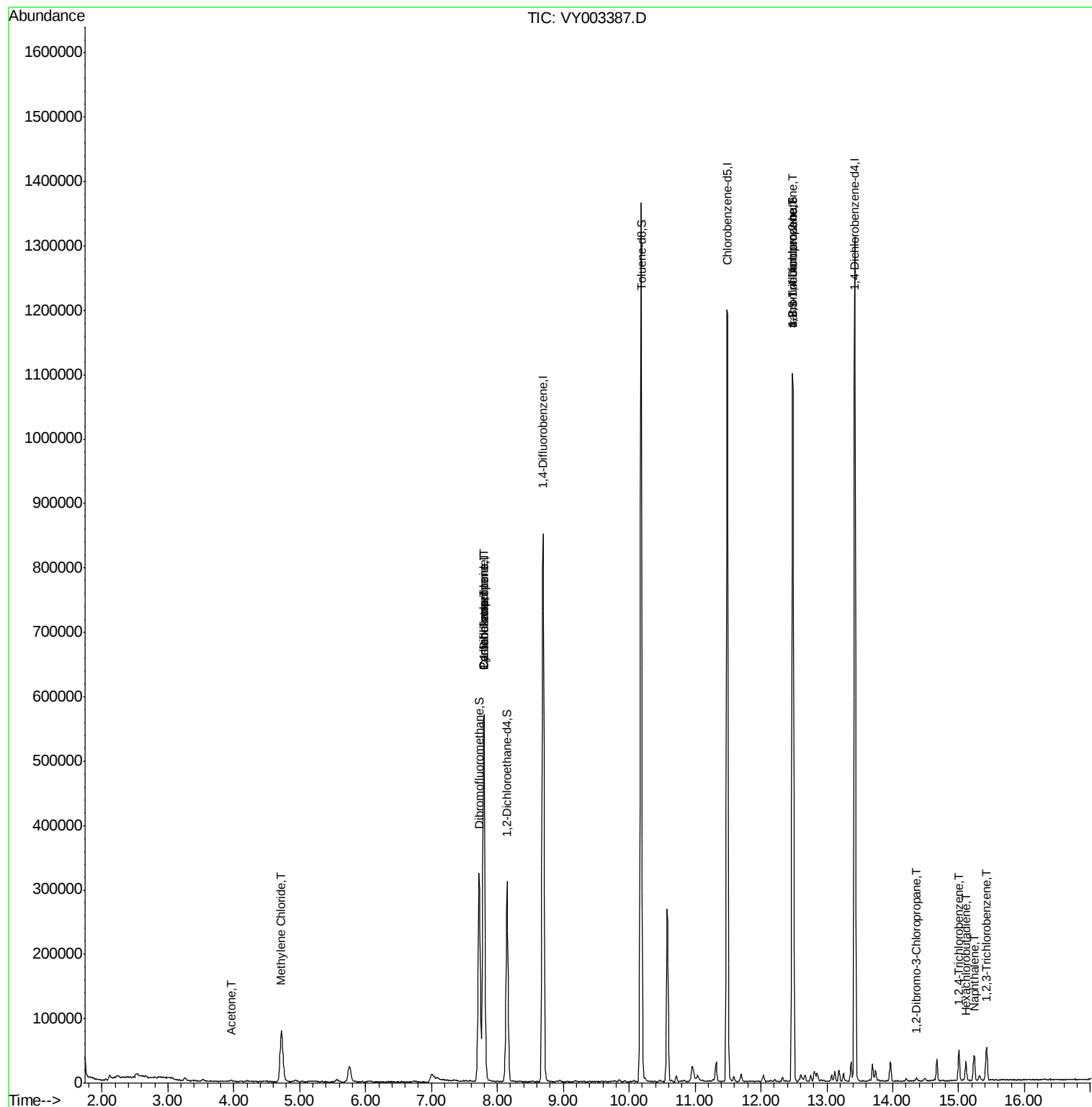
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.93	59	2062	Below Cal	#	76
16) Acetone	3.96	43	3103	2.798	ug/l	96
20) Methylene Chloride	4.72	84	60558	2.381	ug/l	98
31) Cyclohexane	7.80	56	8844	1.112	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	32262	4.645	ug/l #	50
38) Carbon Tetrachloride	7.80	117	43788	6.126	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	151559	49.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	151559	94.546	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1477	2.122	ug/l	77
93) 1,2,4-Trichlorobenzene	15.00	180	14994	2.264	ug/l	96
94) Hexachlorobutadiene	15.11	225	6351	1.448	ug/l	97
95) Naphthalene	15.23	128	32821	2.926	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	17283	3.226	ug/l	98

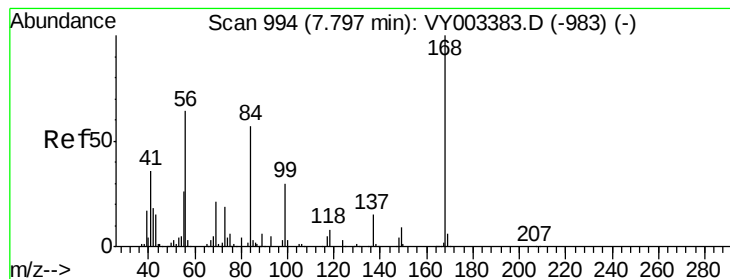
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

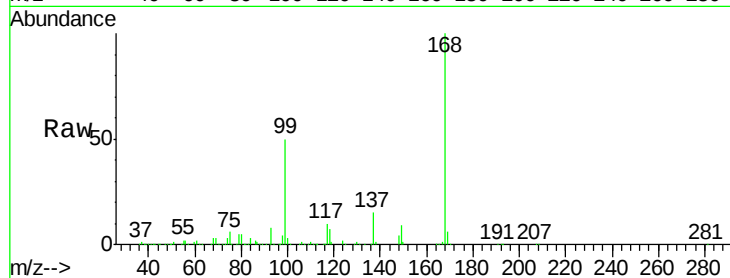
ClientSampleId :

Tot Ion:168 Resp: 472058

Ion Ratio Lower Upper

168 100

99 49.7 38.8 58.2



Abundance Ion 167.90 (167.60 to 168.60): VY003387.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003387.D (-983) (-)

7.80

250000

200000

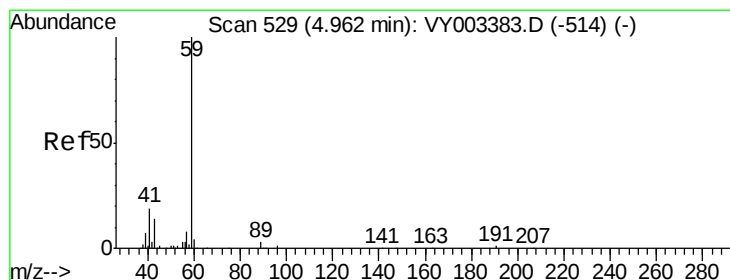
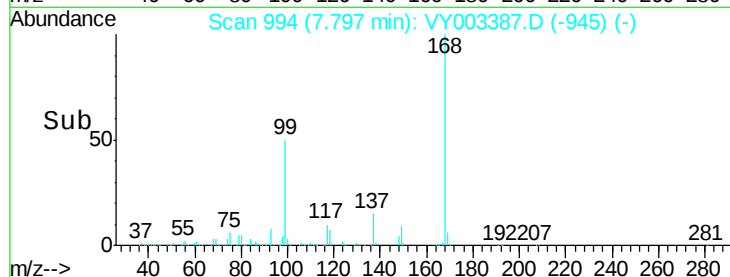
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.93 min Scan# 523

Delta R.T. -0.04 min

Lab File: VY003387.D

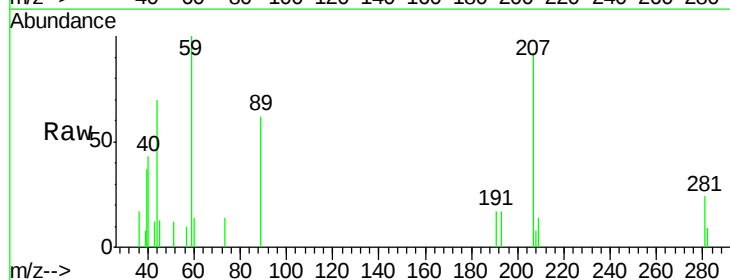
Acq: 31 Jul 2020 14:11

Tgt Ion: 59 Resp: 2062

Ion Ratio Lower Upper

59 100

57 1.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003387.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY003387.D (-514) (-)

4.93

800

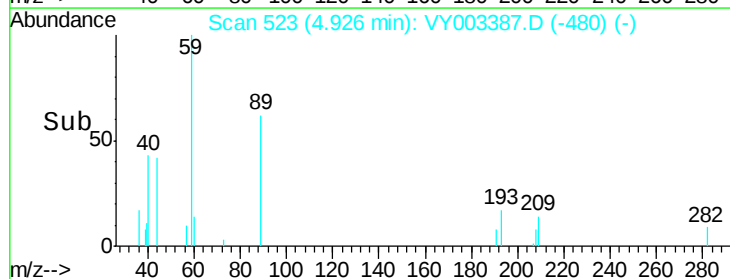
600

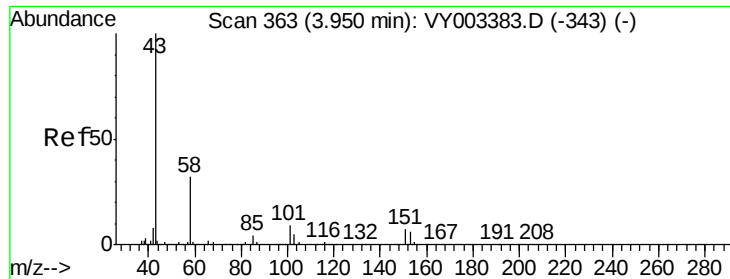
400

200

0

Time-->





#16

Acetone

Concen: 2.798 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

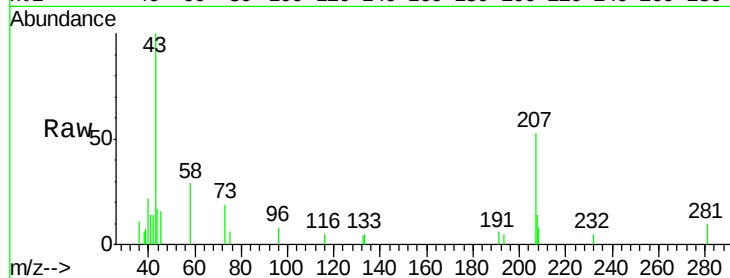
ClientSampleId :

Tot Ion: 43 Resp: 3103

Ion Ratio Lower Upper

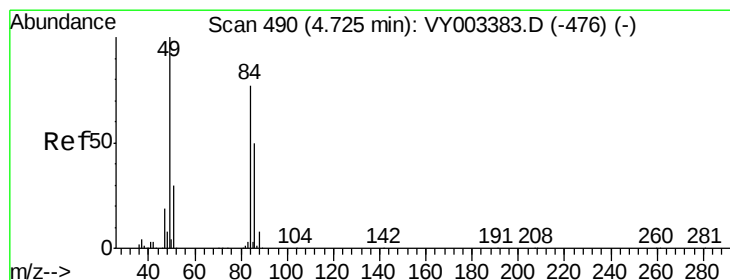
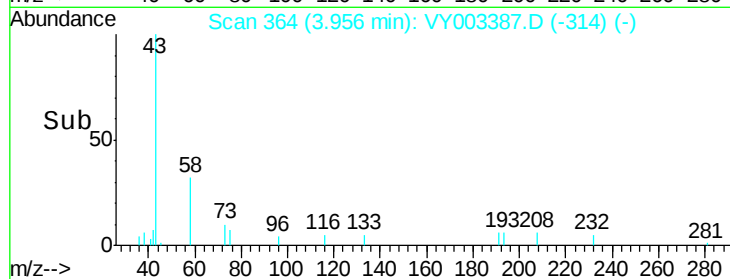
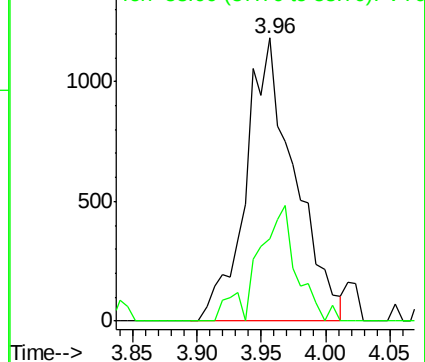
43 100

58 29.4 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.381 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Tgt Ion: 84 Resp: 60558

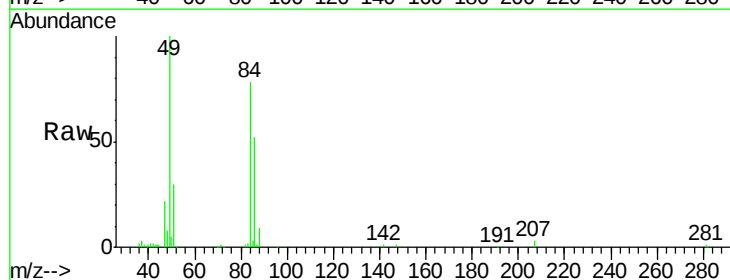
Ion Ratio Lower Upper

84 100

49 128.9 104.2 156.4

51 38.2 31.5 47.3

86 67.0 51.7 77.5

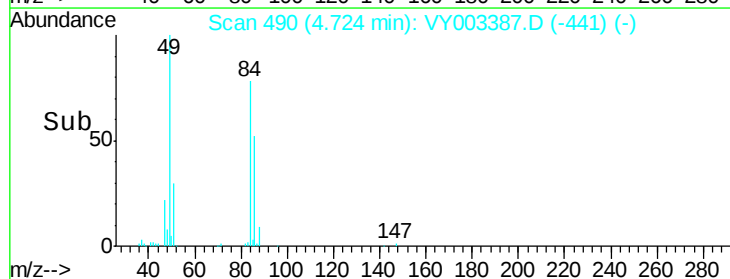
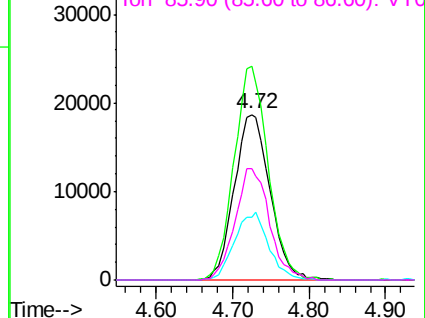


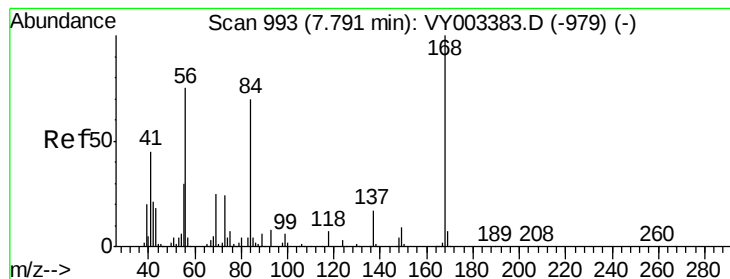
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

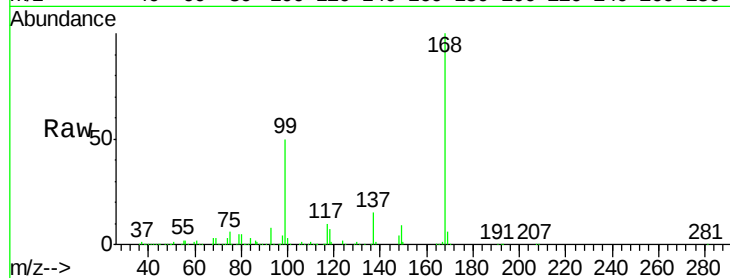
Tot Ion: 56 Resp: 8844

Ion Ratio Lower Upper

56 100

69 156.2 26.1 39.1#

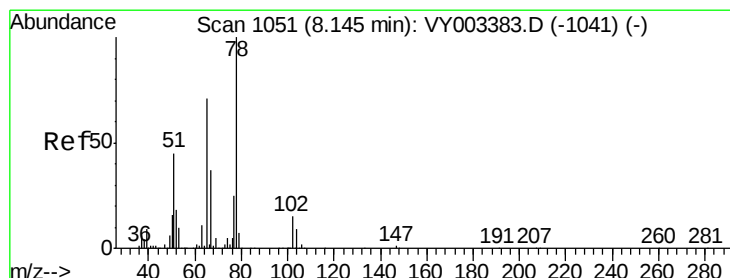
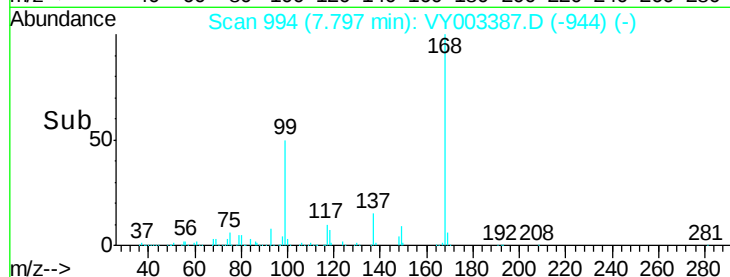
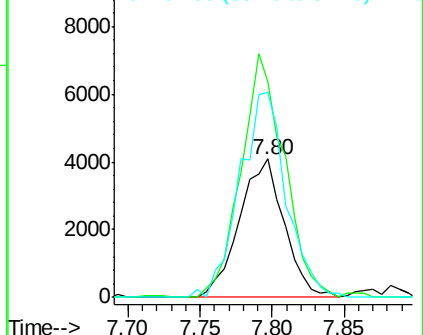
84 148.0 73.9 110.9#



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: 52.104 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003387.D

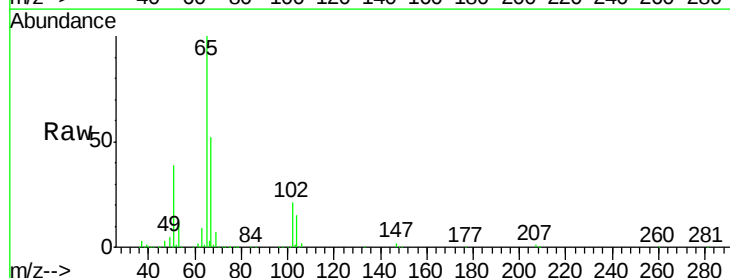
Acq: 31 Jul 2020 14:11

Tgt Ion: 65 Resp: 233861

Ion Ratio Lower Upper

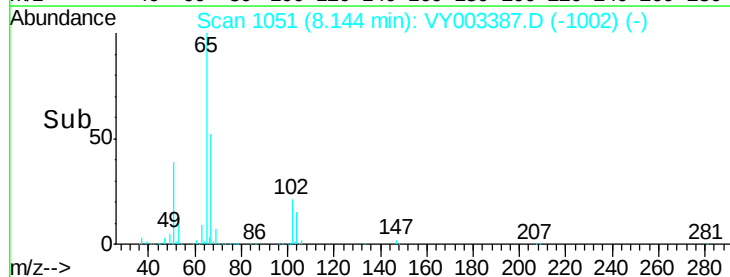
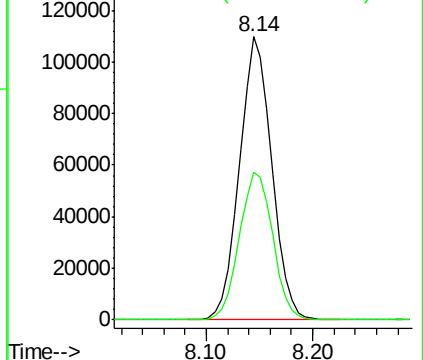
65 100

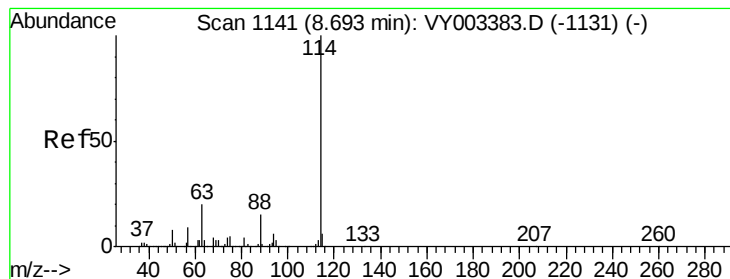
67 54.0 0.0 106.6



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: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

ClientSampleId :

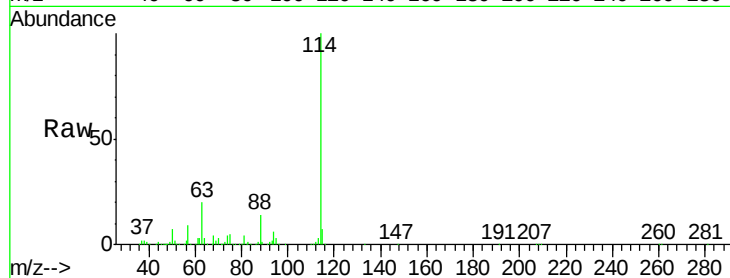
Tot Ion:114 Resp: 734016

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

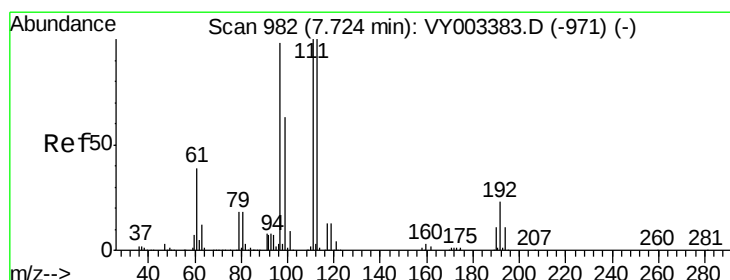
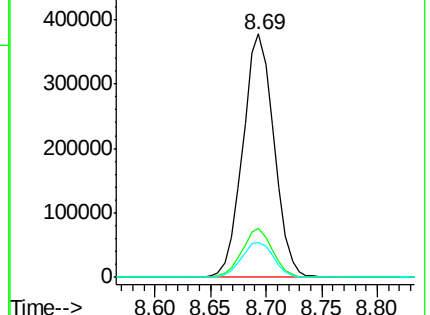
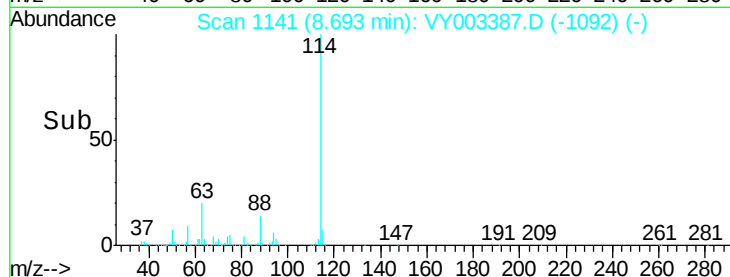
88 14.5 0.0 29.2



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: 52.952 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

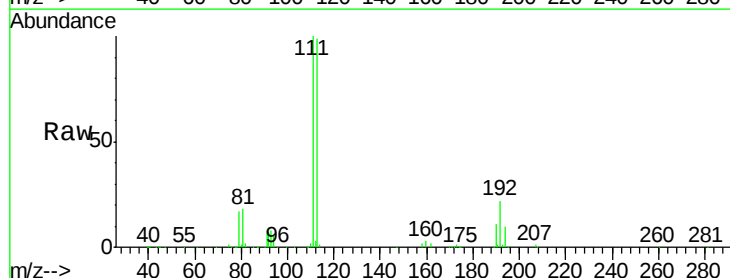
Tgt Ion:113 Resp: 228952

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

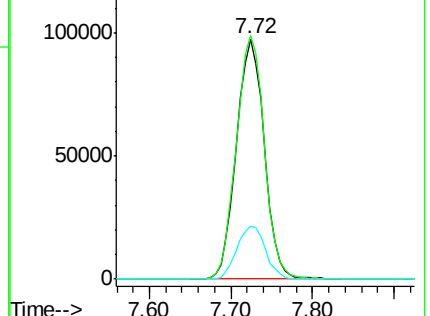
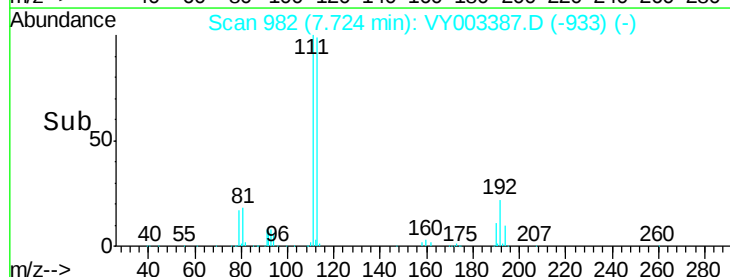
192 22.8 18.8 28.2

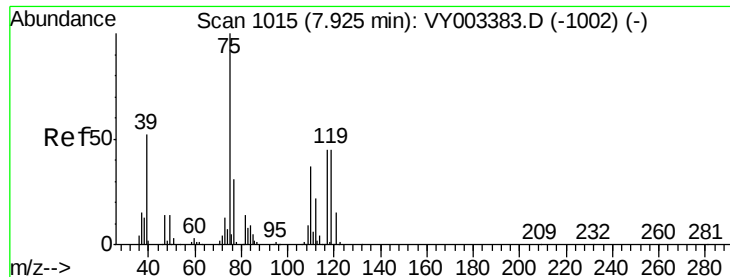


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

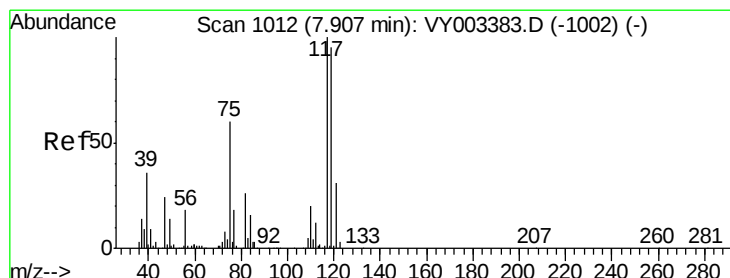
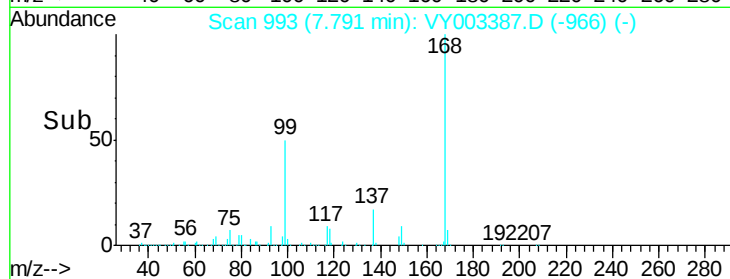
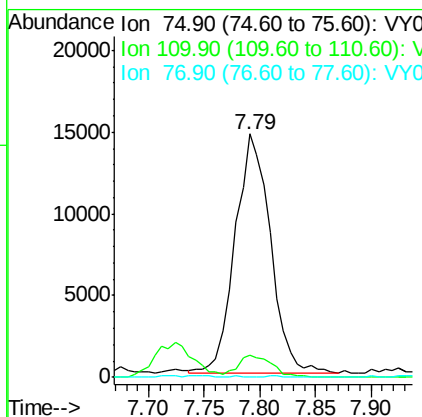
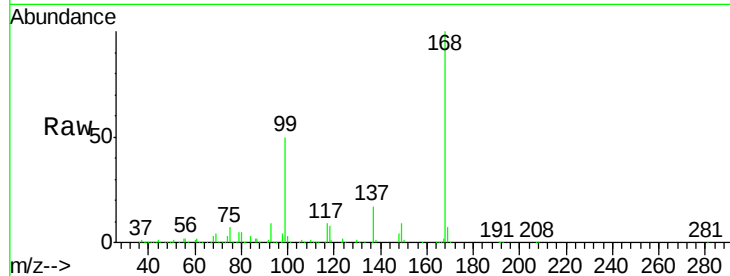




#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003387.D
 Acq: 31 Jul 2020 14:11

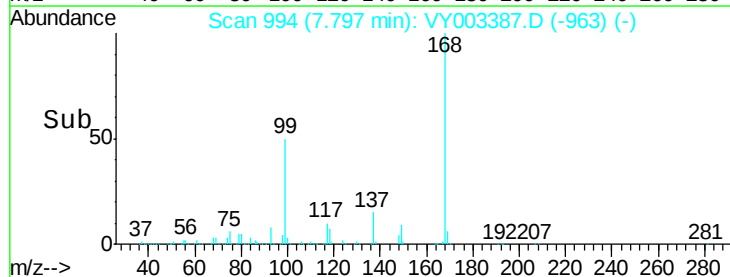
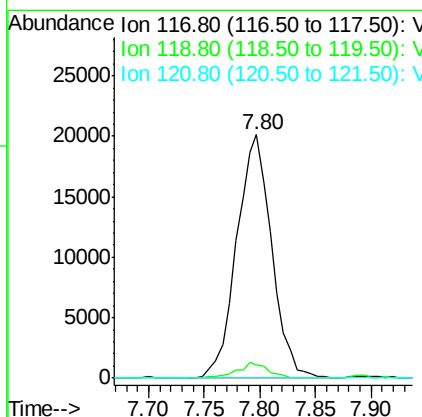
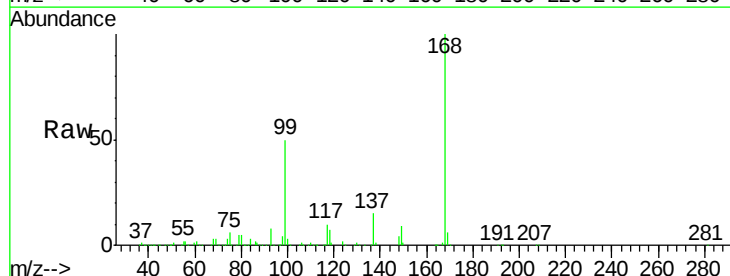
Instrument :
 MSVOA_Y
 ClientSampleId :

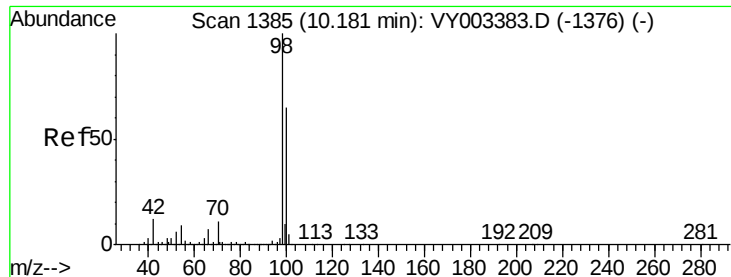
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.5#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.126 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003387.D
 Acq: 31 Jul 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 52.873 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

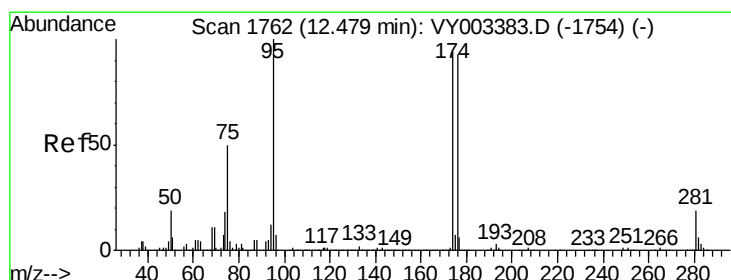
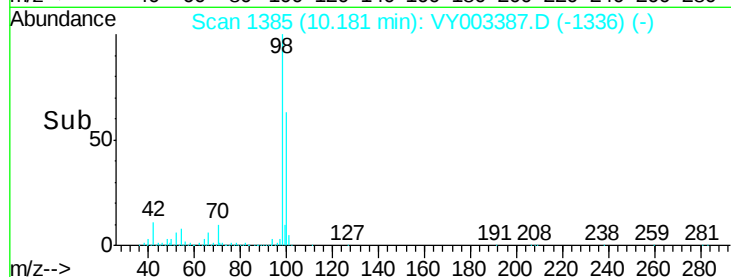
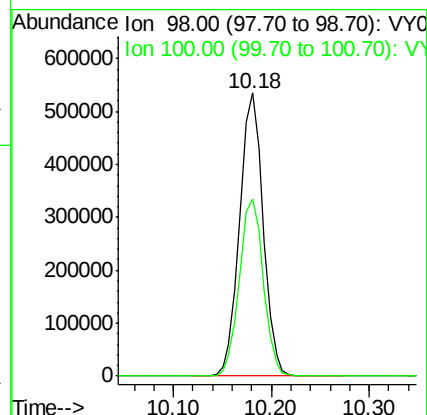
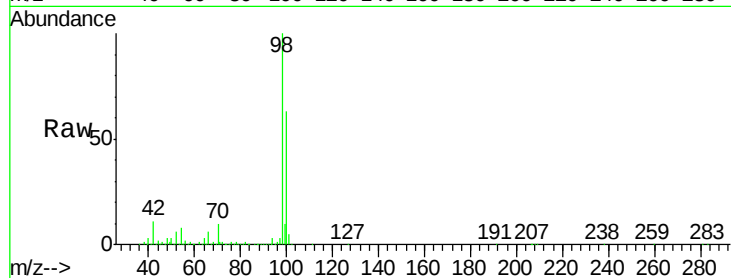
ClientSampleId :

Tot Ion: 98 Resp: 895199

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 50.625 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

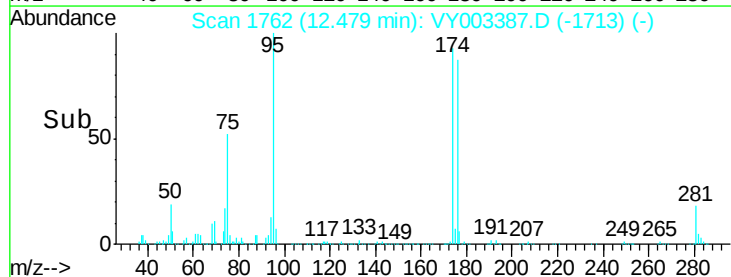
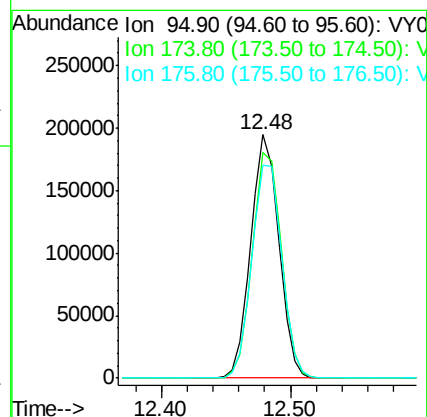
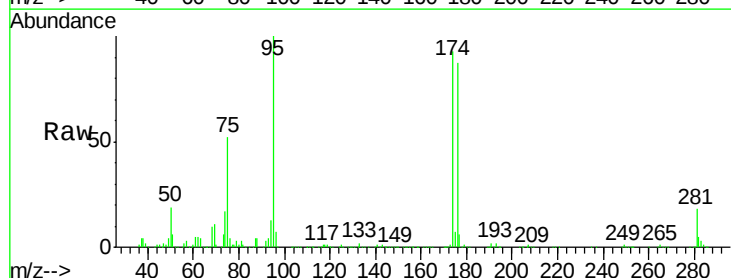
Tgt Ion: 95 Resp: 292864

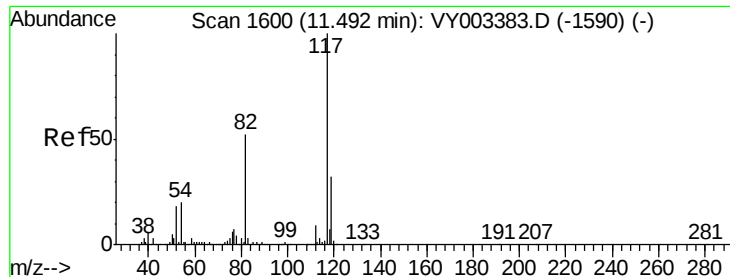
Ion Ratio Lower Upper

95 100

174 95.8 0.0 190.0

176 93.3 0.0 184.4

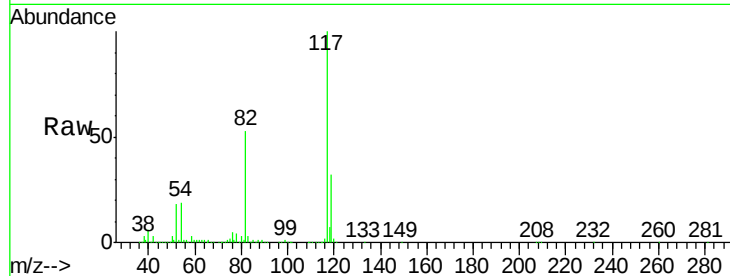




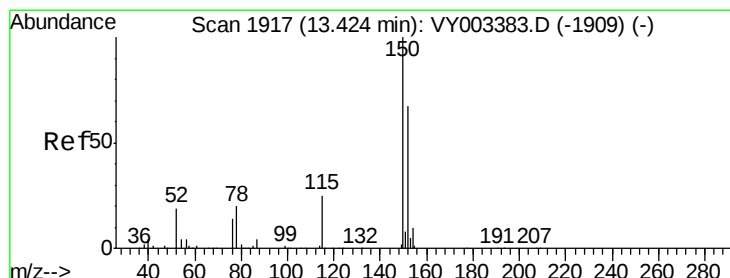
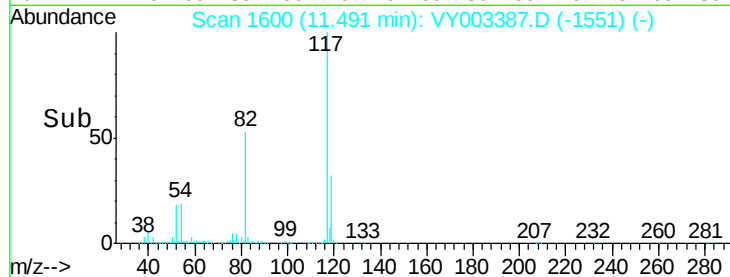
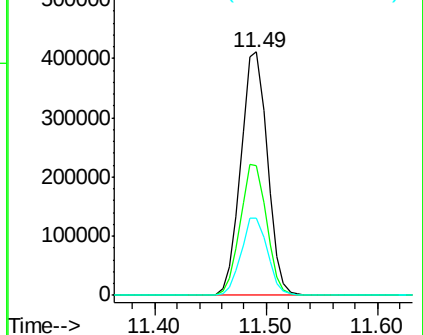
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003387.D
Acq: 31 Jul 2020 14:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.9	62.9
119	31.8	25.4	38.0

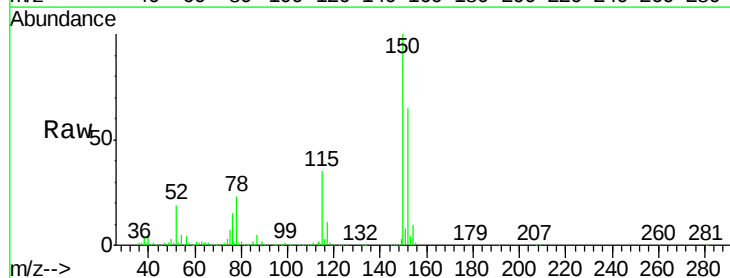


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

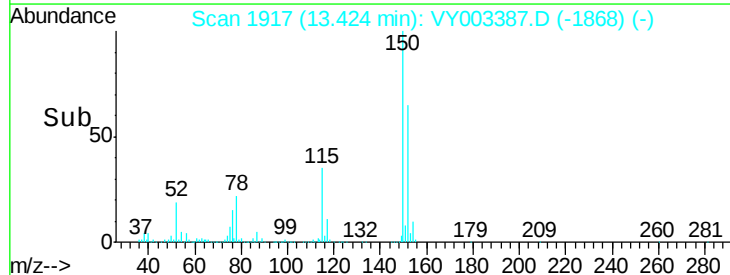
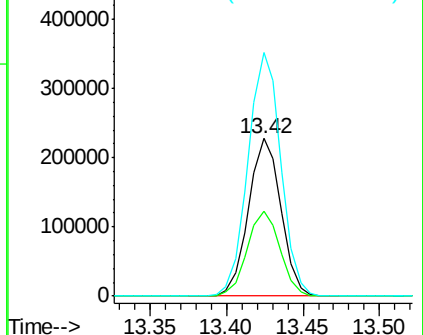


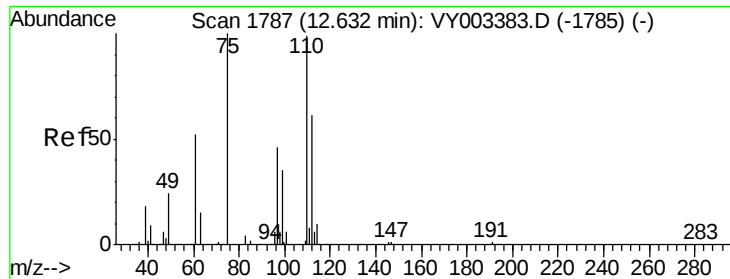
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003387.D
Acq: 31 Jul 2020 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.2	81.5
150	156.1	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: 49.991 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

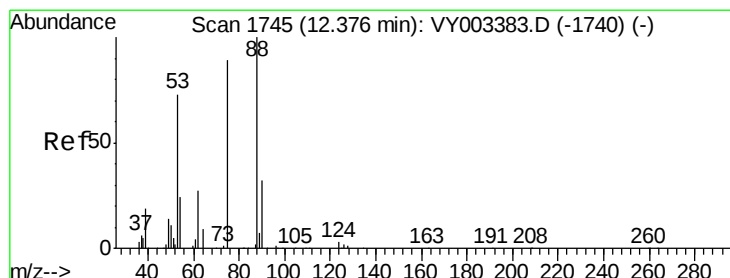
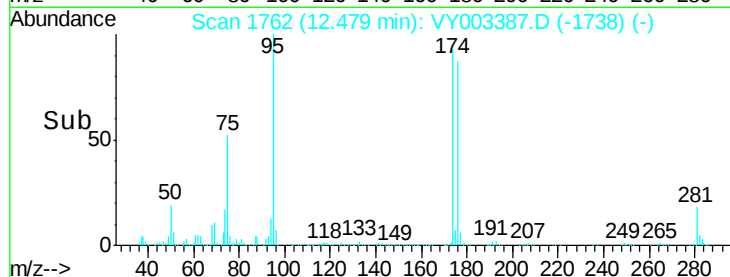
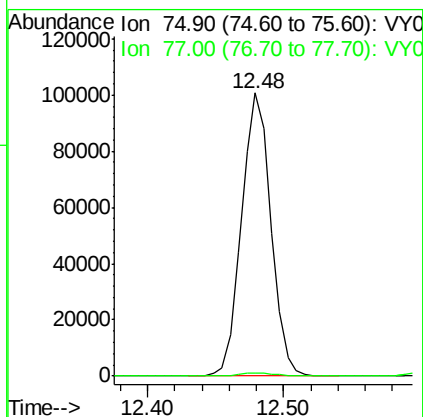
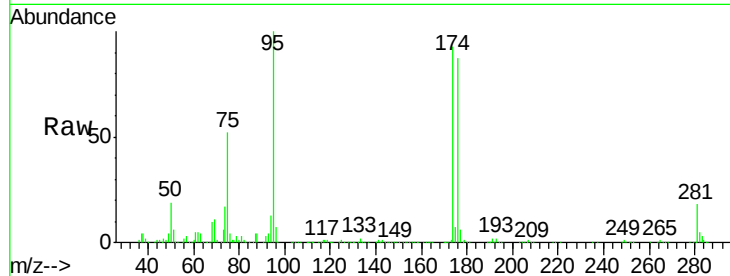
ClientSampled :

Tot Ion: 75 Resp: 151559

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.546 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

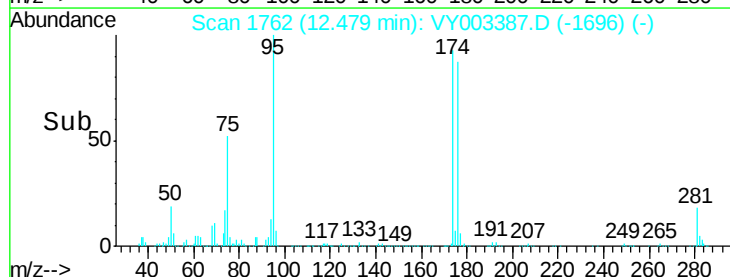
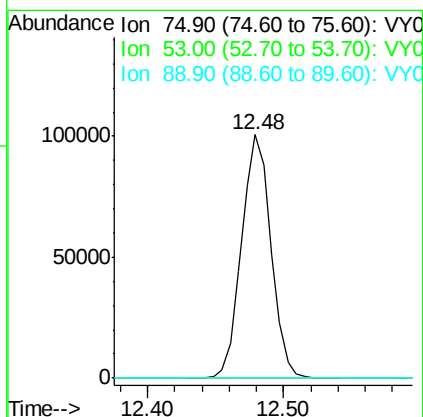
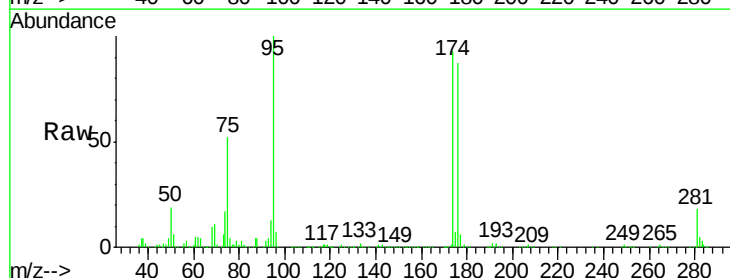
Tgt Ion: 75 Resp: 151559

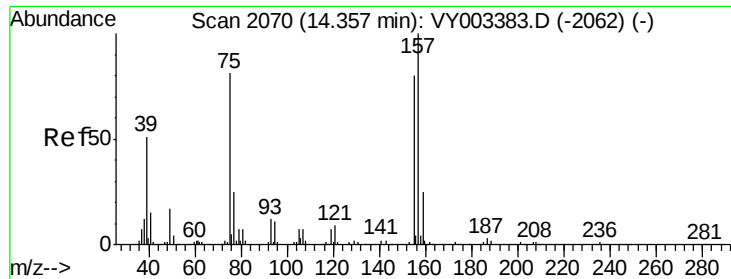
Ion Ratio Lower Upper

75 100

53 0.0 69.5 104.3#

89 0.3 33.8 50.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.122 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

ClientSampled :

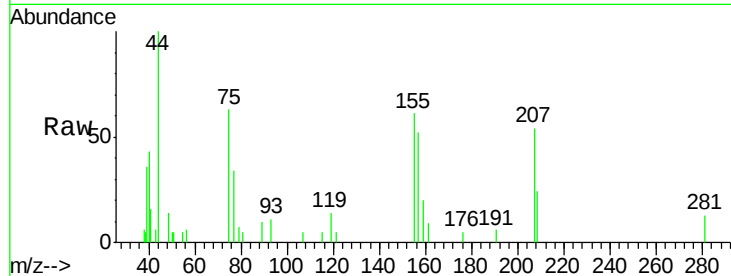
Tot Ion: 75 Resp: 1477

Ion Ratio Lower Upper

75 100

155 69.7 48.8 146.4

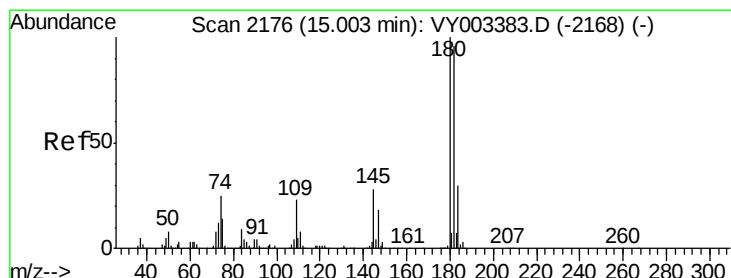
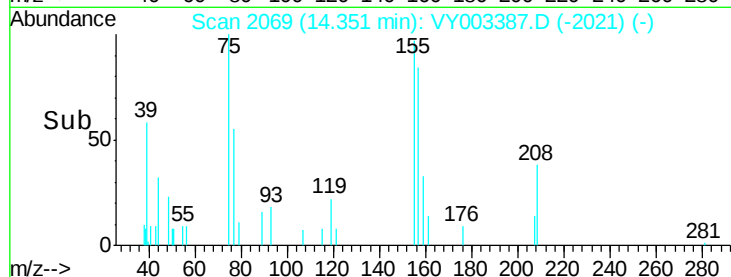
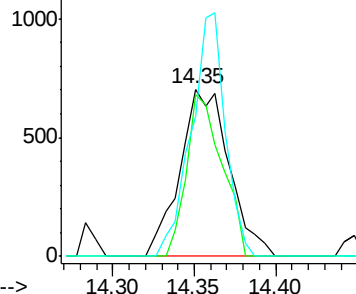
157 101.3 60.9 182.6



Abundance Ion 74.90 (74.60 to 75.60): VY003387.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY003387.D (-2062) (-)

Ion 156.80 (156.50 to 157.50): VY003387.D (-2062) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.264 ug/l

RT: 15.00 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

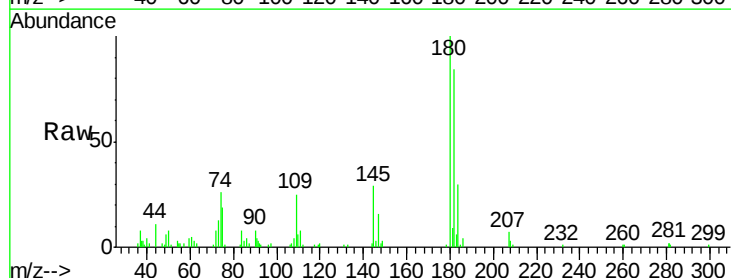
Tgt Ion: 180 Resp: 14994

Ion Ratio Lower Upper

180 100

182 92.0 48.2 144.6

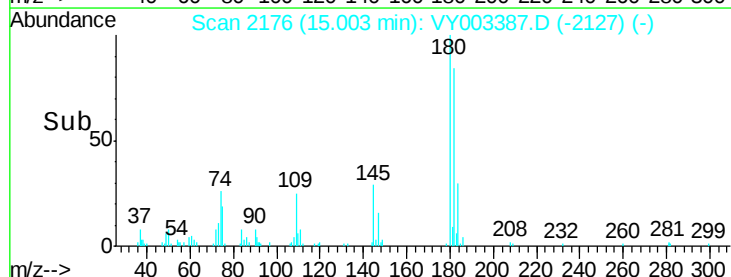
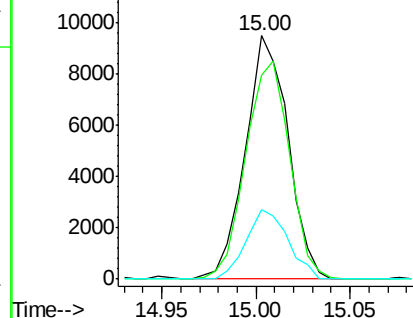
145 27.7 13.8 41.3

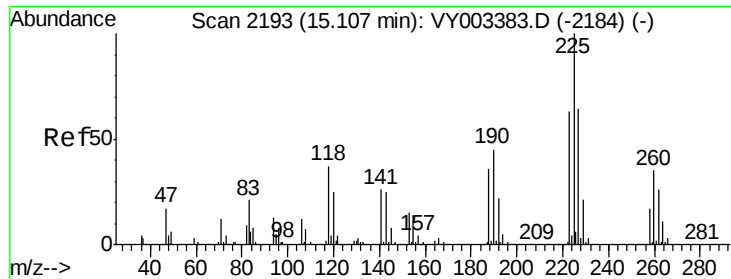


Abundance Ion 179.80 (179.50 to 180.50): VY003387.D (-2168) (-)

Ion 181.80 (181.50 to 182.50): VY003387.D (-2168) (-)

Ion 144.80 (144.50 to 145.50): VY003387.D (-2168) (-)





#94

Hexachlorobutadiene

Concen: 1.448 ug/l

RT: 15.11 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

Instrument :

MSVOA_Y

ClientSampled :

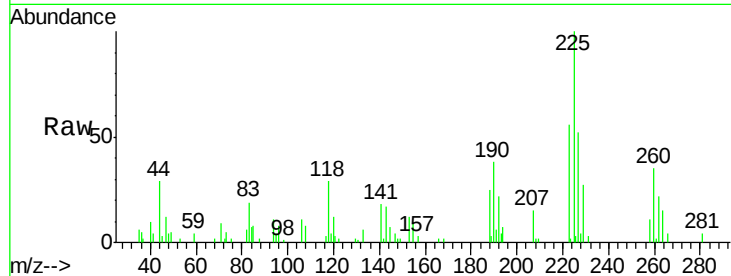
Tot Ion:225 Resp: 6351

Ion Ratio Lower Upper

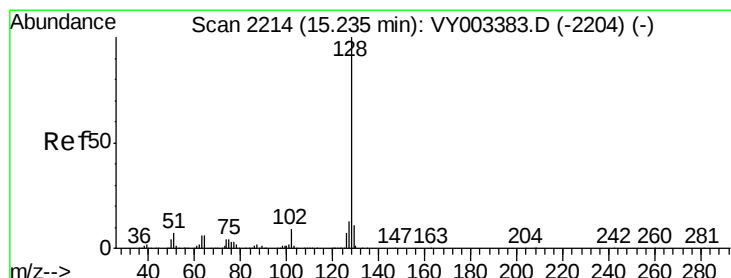
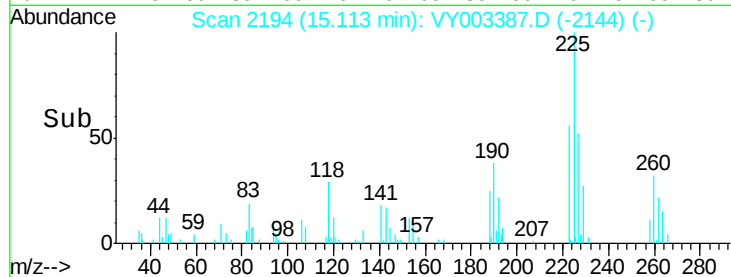
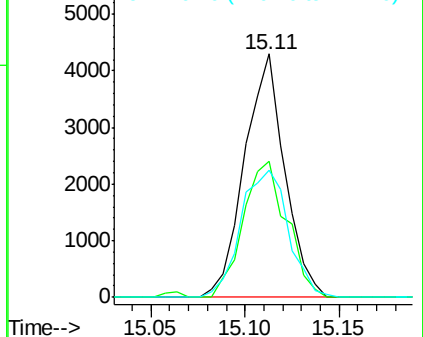
225 100

223 60.5 31.6 94.8

227 61.8 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.926 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003387.D

Acq: 31 Jul 2020 14:11

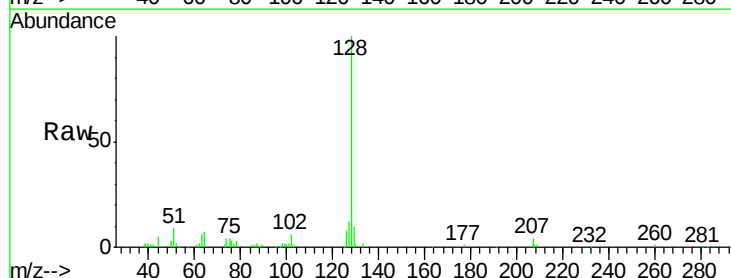
Tgt Ion:128 Resp: 32821

Ion Ratio Lower Upper

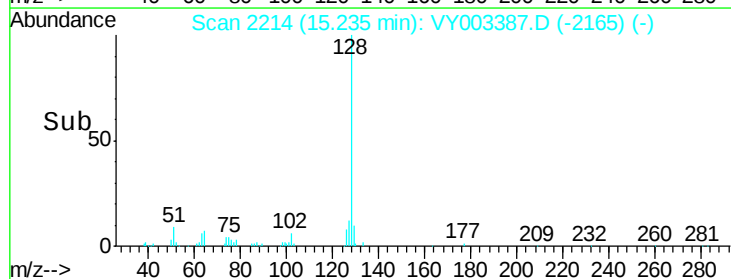
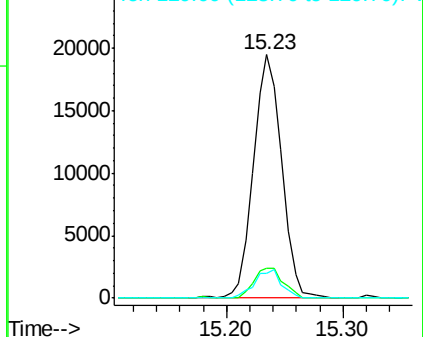
128 100

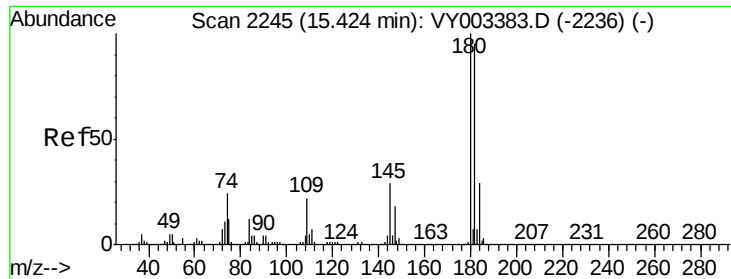
127 12.9 10.4 15.6

129 11.1 8.7 13.1



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: 3.226 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003387.D
 Acq: 31 Jul 2020 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.2
145	28.7	14.5	43.5

