

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002708.D
 Acq On : 18 May 2020 14:23
 Operator : SY/MD
 Sample : L2686-04
 Misc : 6.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 23:53:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	346084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	540338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	472385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216185	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	150795	55.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.40%	
35) Dibromofluoromethane	7.72	113	161520	54.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.34%	
50) Toluene-d8	10.18	98	621450	51.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.48	95	197313	47.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.64%	

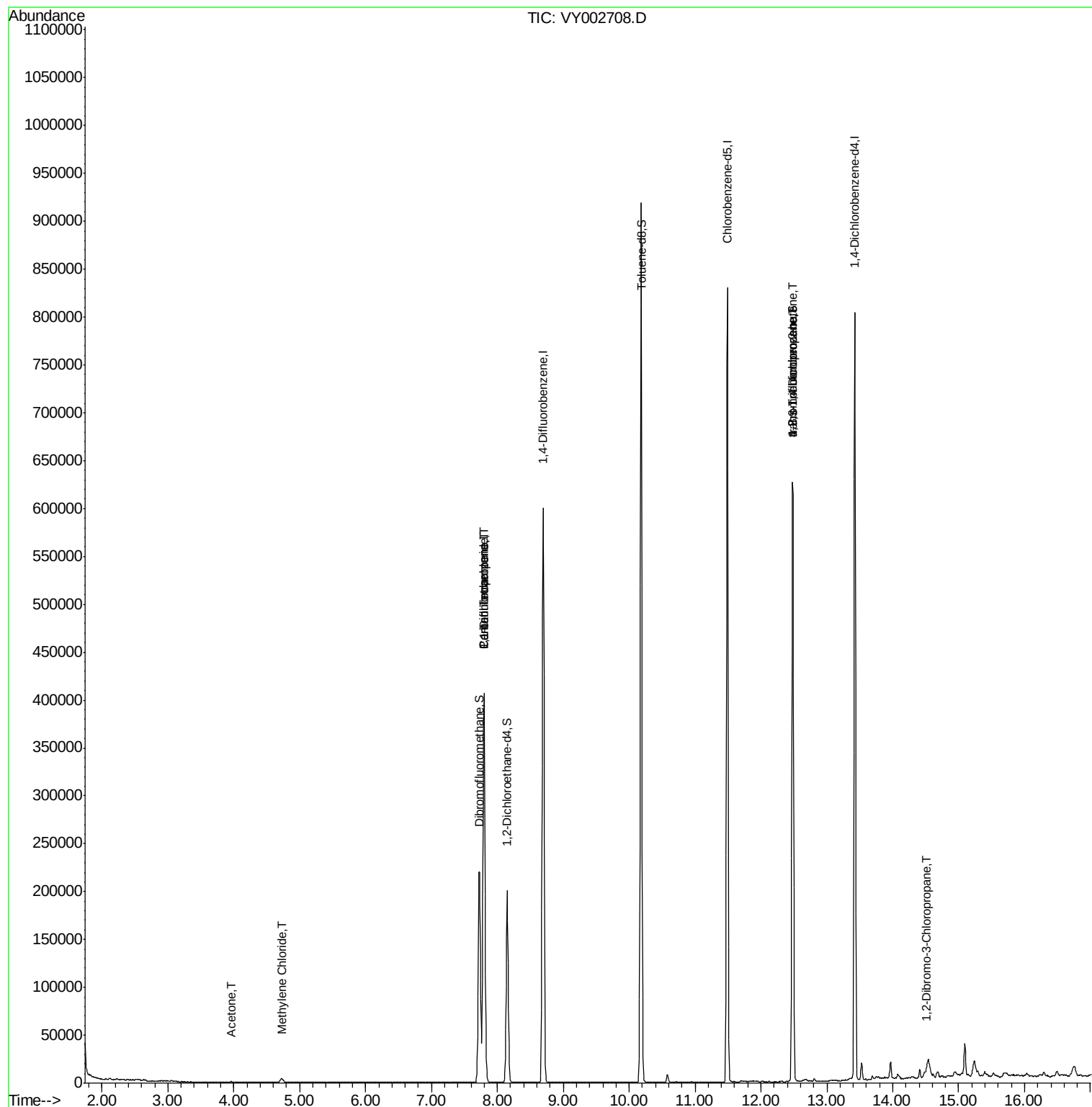
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	765	1.371	ug/l #	87
20) Methylene Chloride	4.74	84	3457	1.025	ug/l	89
36) 1,1-Dichloropropene	7.80	75	20641	4.512	ug/l #	49
38) Carbon Tetrachloride	7.80	117	31187	6.344	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	92690	52.194	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92690	98.709	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.51	75	860	2.156	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.01	180	292	Below Cal	#	48
96) 1,2,3-Trichlorobenzene	15.43	180	260	Below Cal	#	47

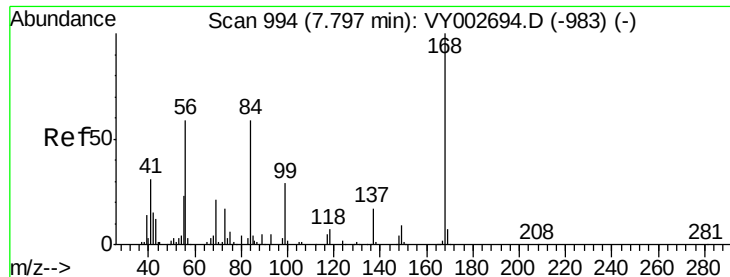
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260
QLast Update : Sat May 16 04:52:36 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: VY002708.D

Acq: 18 May 2020 14:23

Instrument :

MSVOA_Y

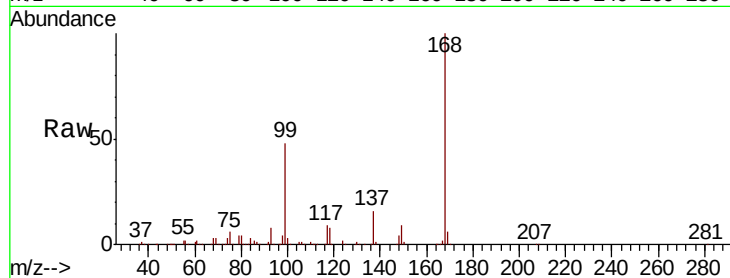
ClientSampleId :

Tot Ion:168 Resp: 346084

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002708.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002708.D (-945) (-)

7.80

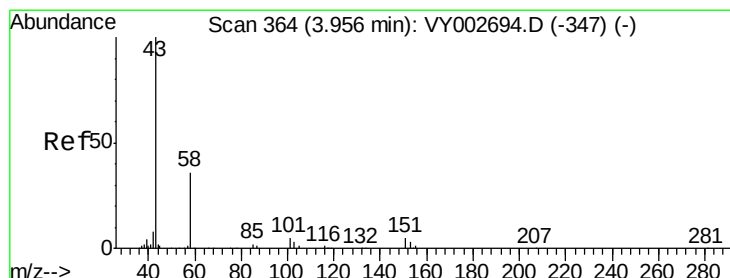
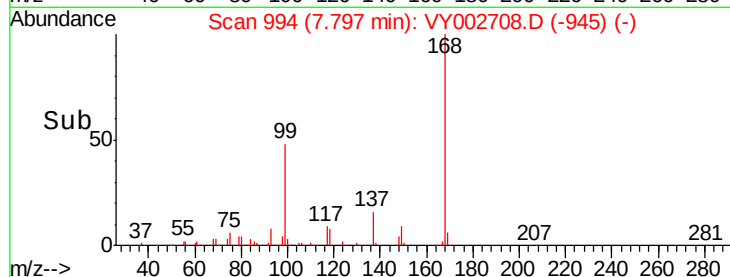
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.371 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002708.D

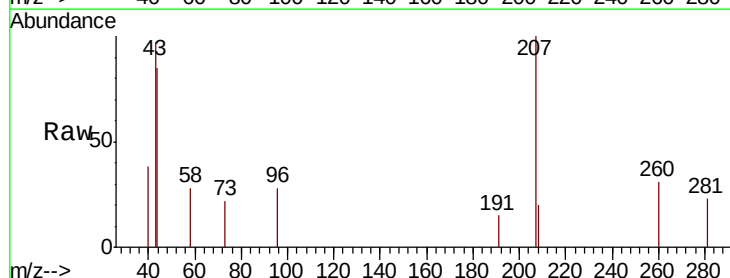
Acq: 18 May 2020 14:23

Tgt Ion: 43 Resp: 765

Ion Ratio Lower Upper

43 100

58 28.4 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY002708.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002708.D (-315) (-)

3.96

400

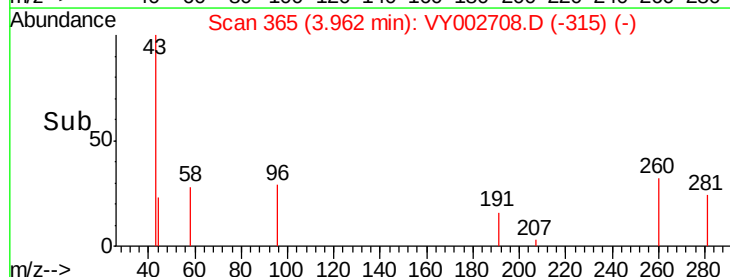
300

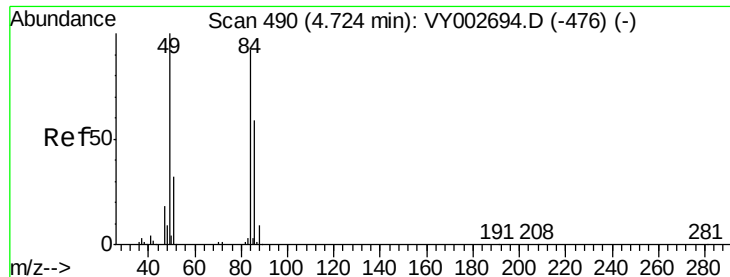
200

100

0

Time-->

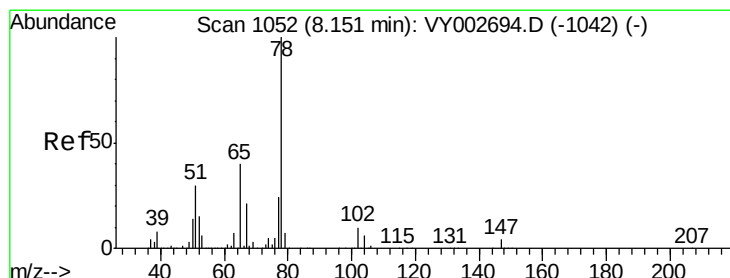
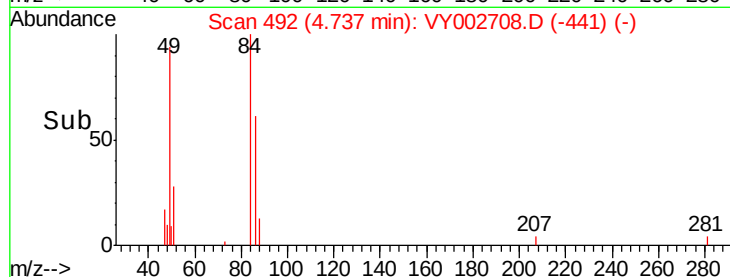
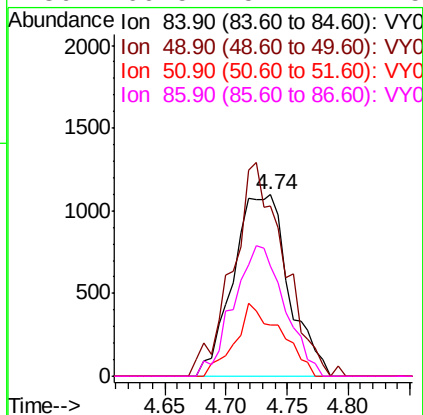
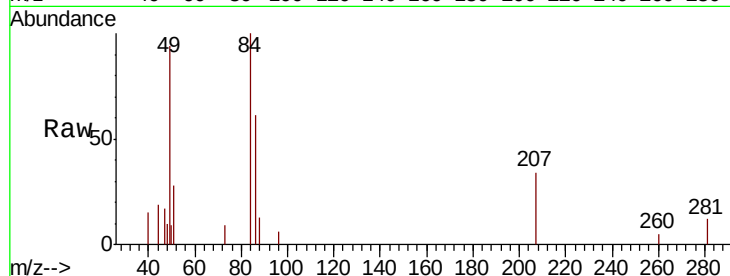




#20
Methylene Chloride
Concen: 1.025 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY002708.D
Acq: 18 May 2020 14:23

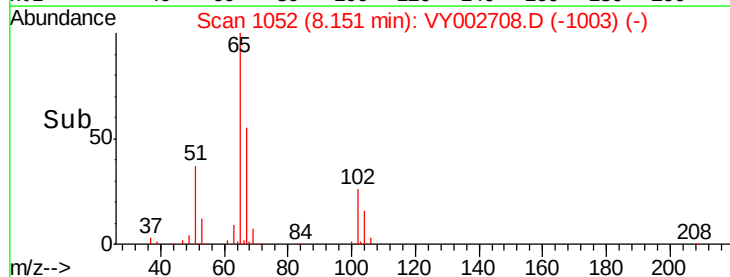
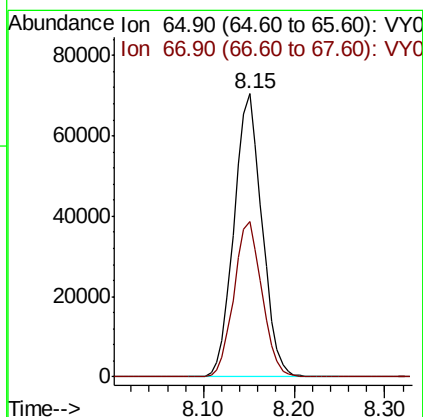
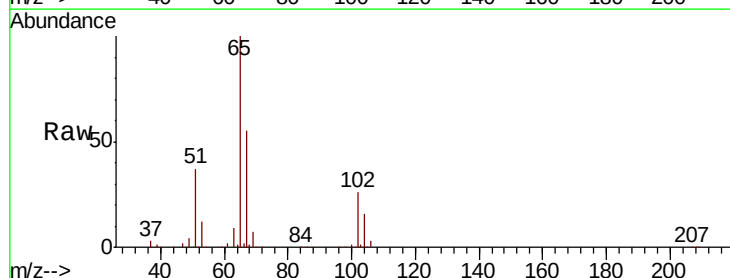
Instrument :
MSVOA_Y
ClientSampleId :

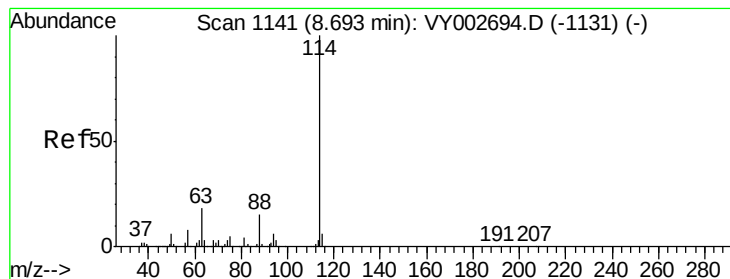
Tot Ion:	84	Resp:	3457
Ion	Ratio	Lower	Upper
84	100		
49	94.0	87.4	131.0
51	28.4	27.9	41.9
86	60.5	51.7	77.5



#33
1,2-Dichloroethane-d4
Concen: 55.703 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY002708.D
Acq: 18 May 2020 14:23

Tgt Ion:	65	Resp:	150795
Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

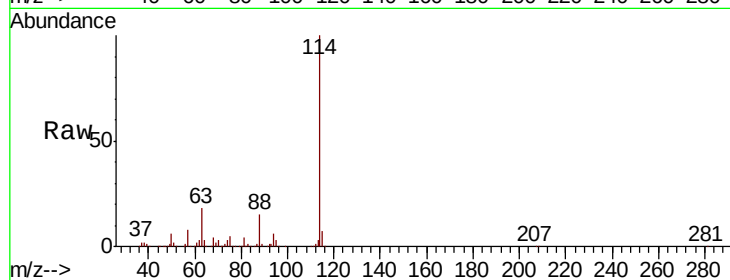
Tot Ion:114 Resp: 540338

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

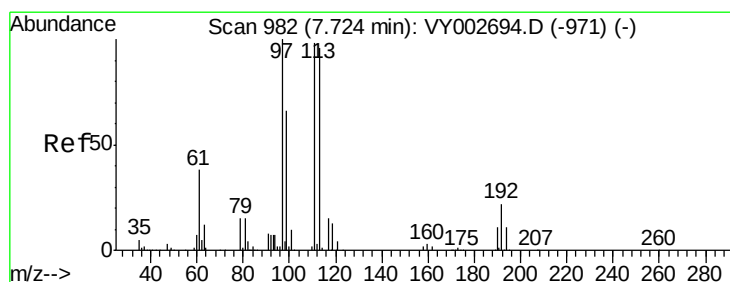
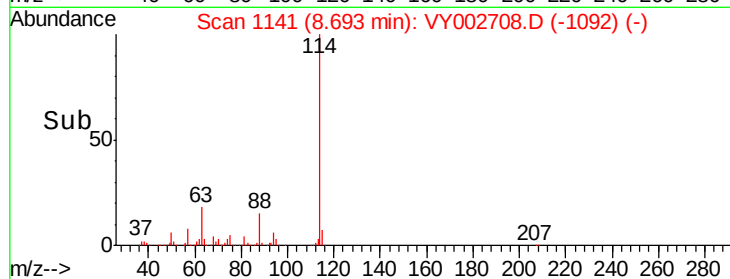
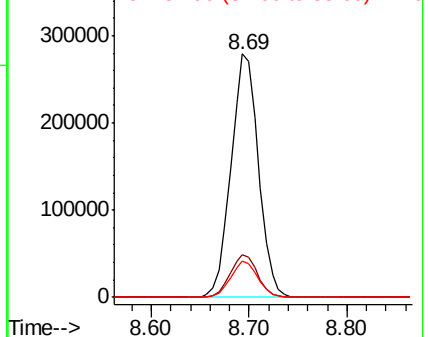
88 15.0 0.0 29.4



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: 54.165 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

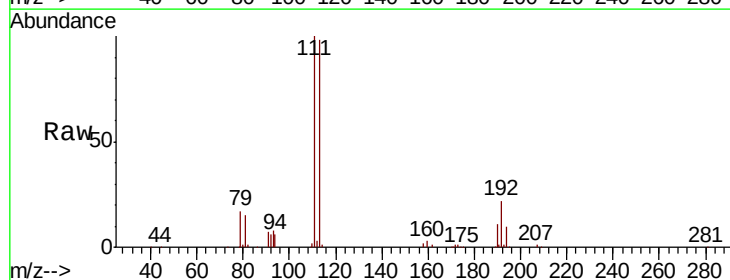
Tgt Ion:113 Resp: 161520

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

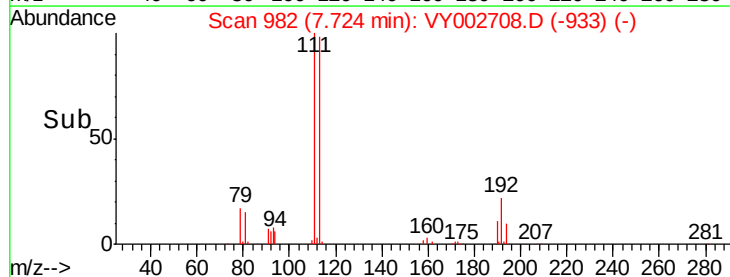
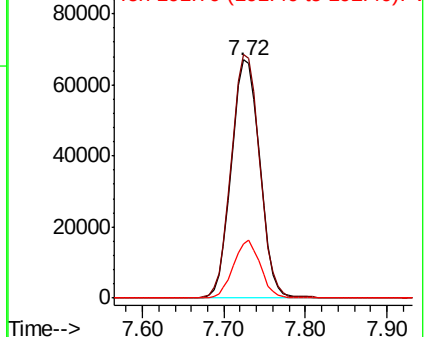
192 22.8 18.6 27.8

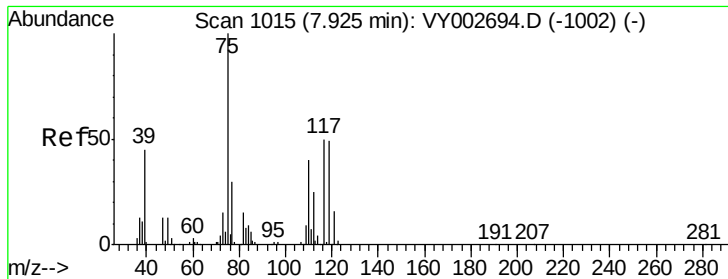


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

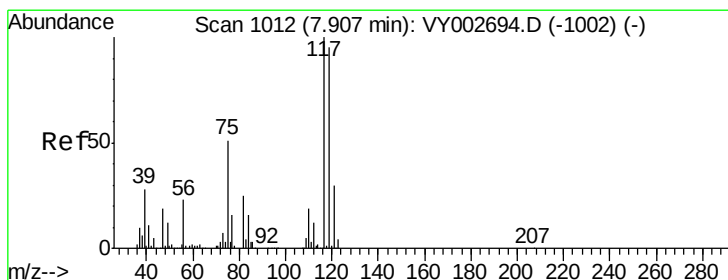
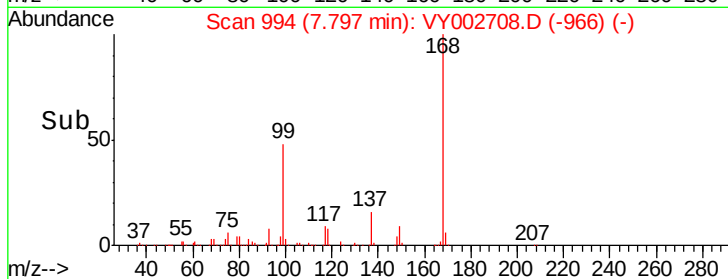
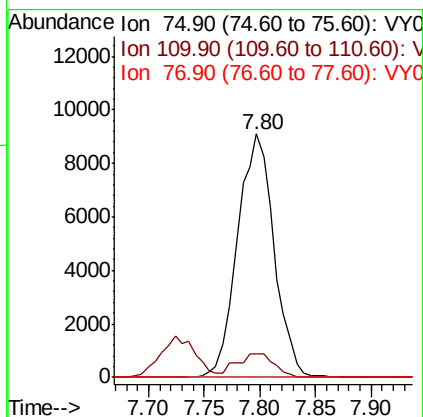
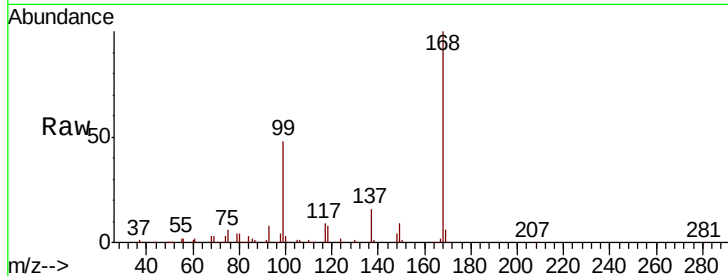




#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002708.D
 Acq: 18 May 2020 14:23

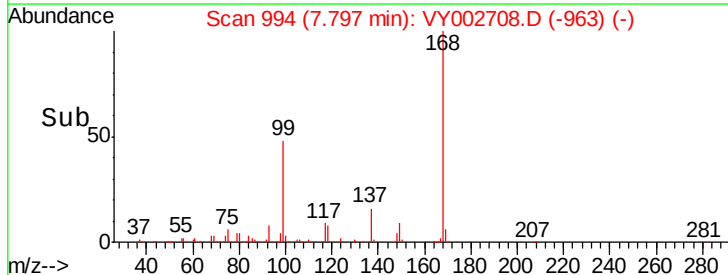
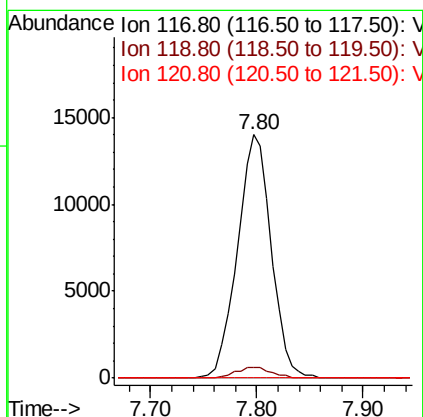
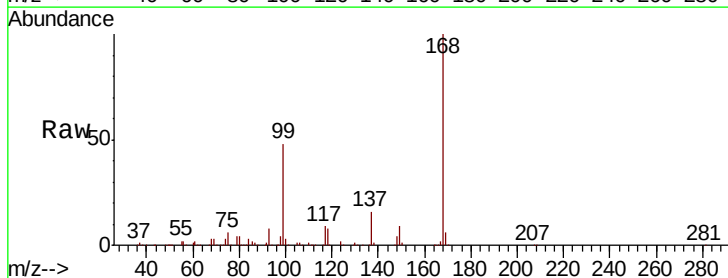
Instrument :
 MSVOA_Y
 ClientSampleId :

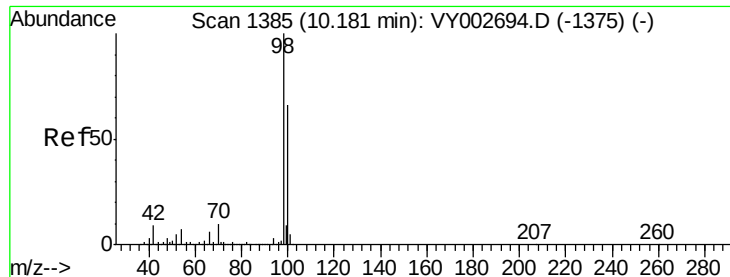
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.344 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002708.D
 Acq: 18 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 51.763 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

Instrument :

MSVOA_Y

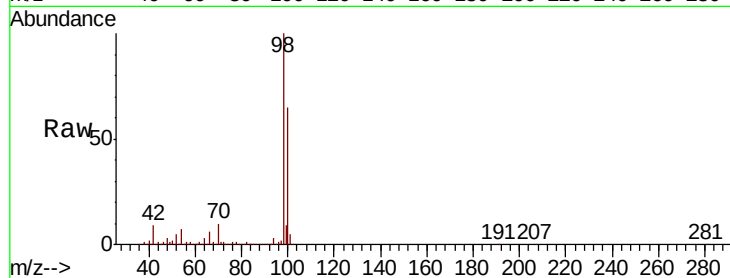
ClientSampleId :

Tot Ion: 98 Resp: 621450

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

400000

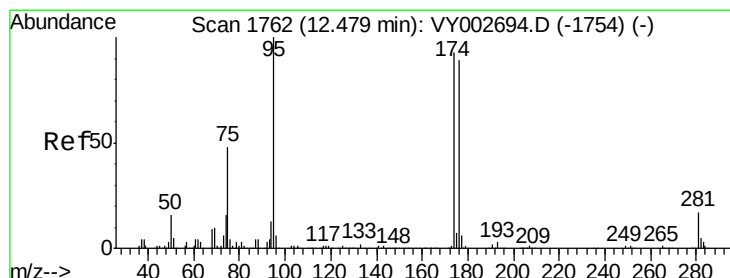
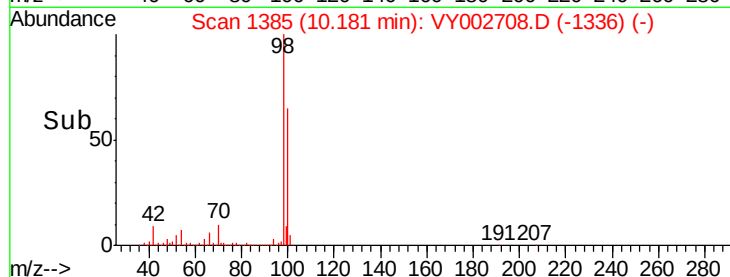
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 47.817 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

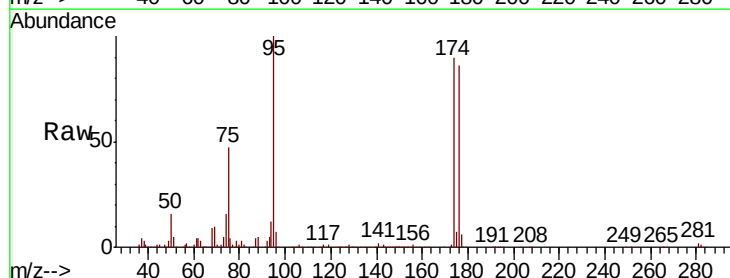
Tgt Ion: 95 Resp: 197313

Ion Ratio Lower Upper

95 100

174 93.0 0.0 191.4

176 89.5 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

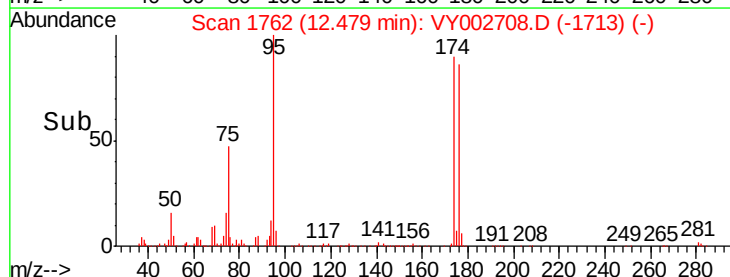
150000

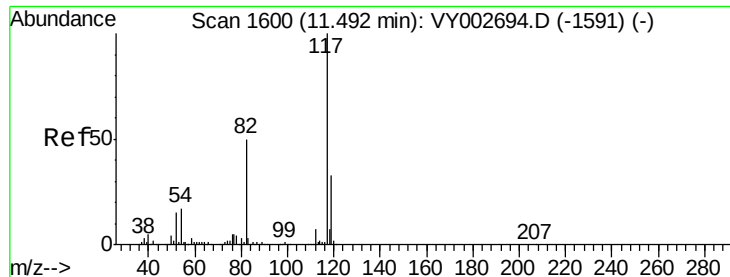
100000

50000

0

Time--> 12.40 12.50

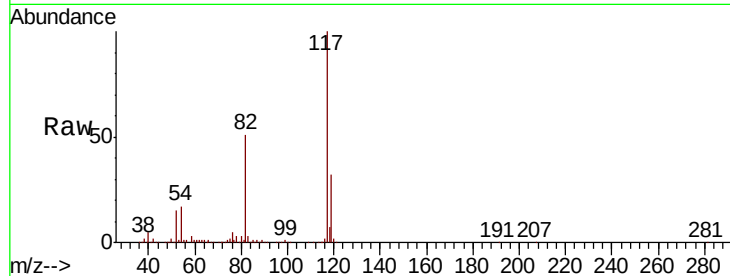




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002708.D
Acq: 18 May 2020 14:23

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.3	60.5
119	32.4	26.2	39.4

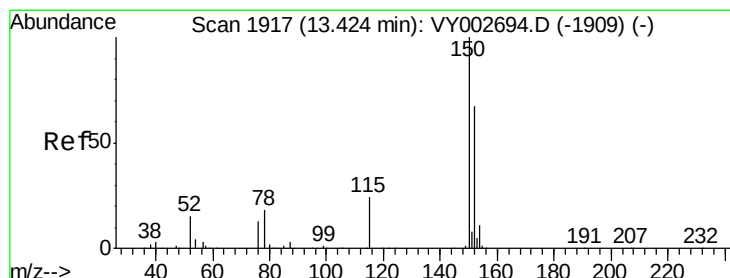
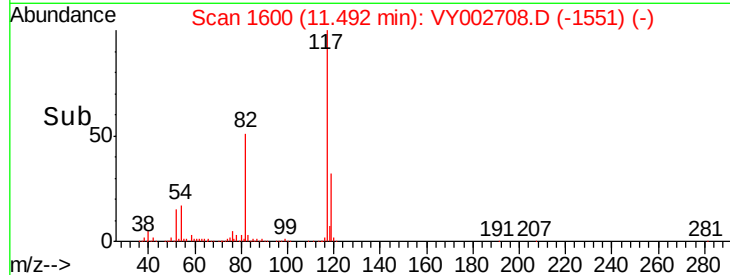
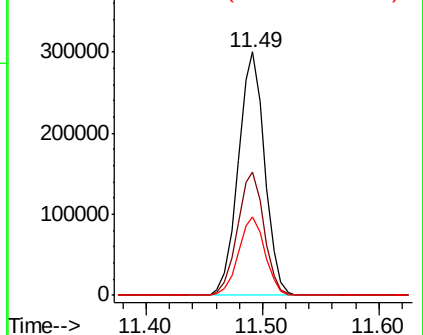


Abundance

Ion 116.90 (116.60 to 117.60): V

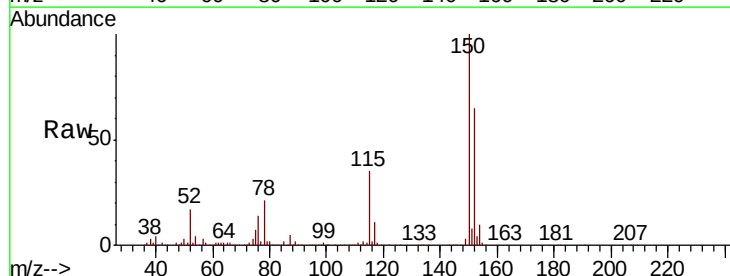
Ion 82.00 (81.70 to 82.70): V

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: VY002708.D
Acq: 18 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.2	81.6
150	157.1	0.0	343.8

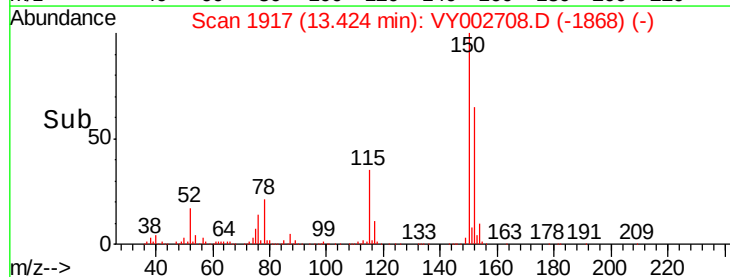
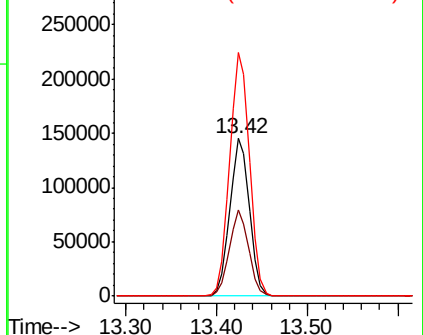


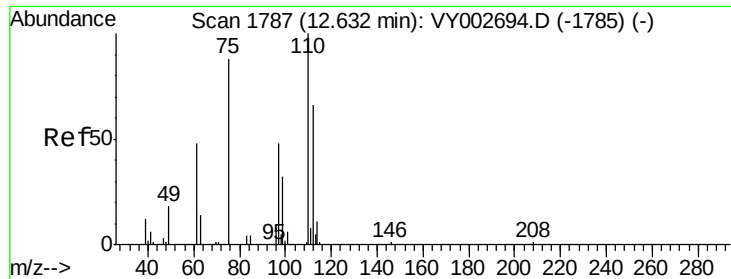
Abundance

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: 52.194 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

Instrument :

MSVOA_Y

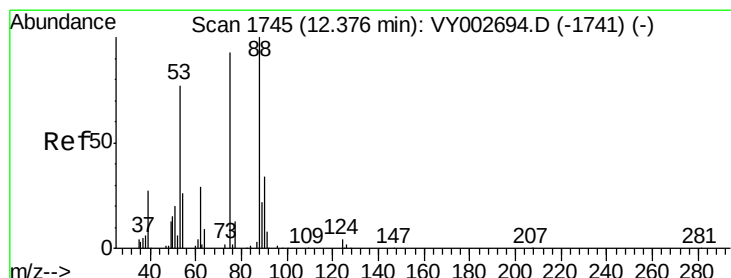
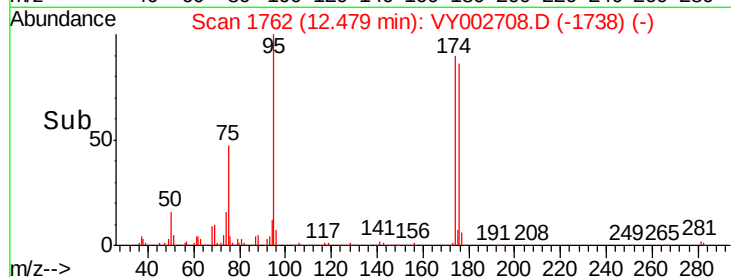
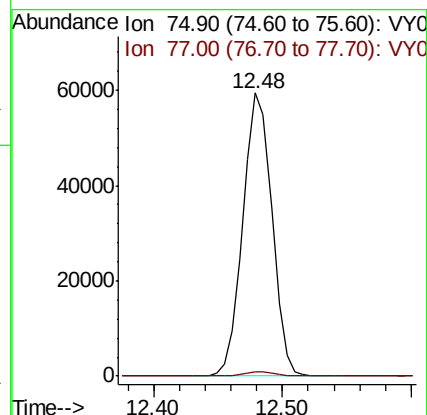
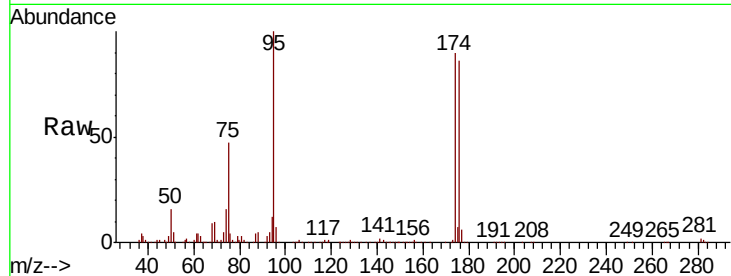
ClientSampleId :

Tot Ion: 75 Resp: 92690

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.709 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

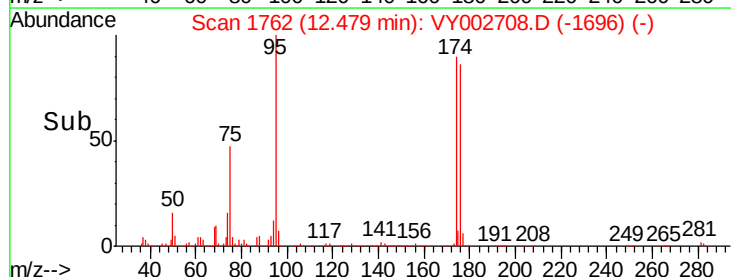
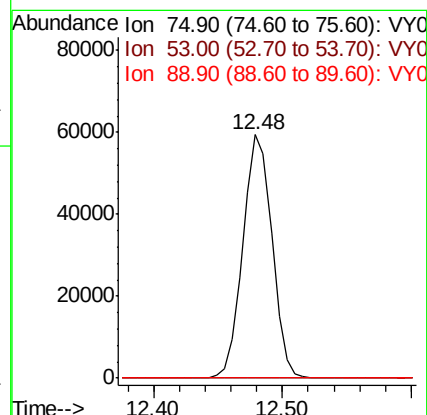
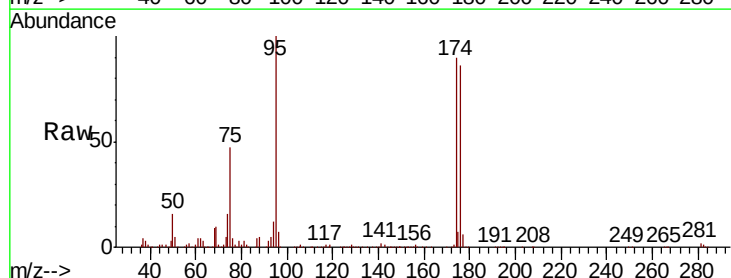
Tgt Ion: 75 Resp: 92690

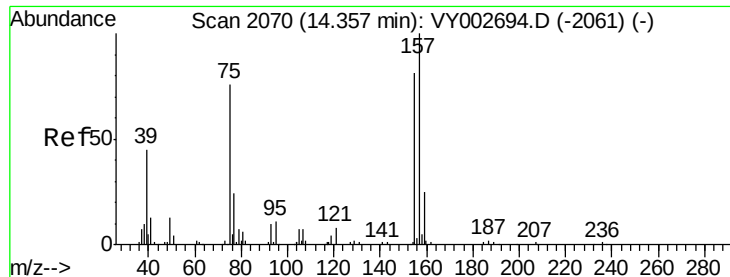
Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

89 0.2 66.6 99.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.156 ug/l

RT: 14.51 min Scan# 2095

Delta R.T. 0.15 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

Instrument :

MSVOA_Y

ClientSampleId :

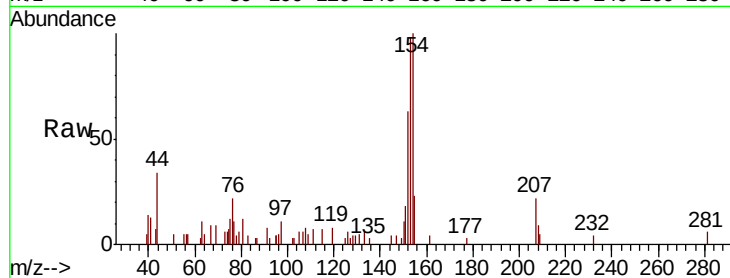
Tot Ion: 75 Resp: 860

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.7#

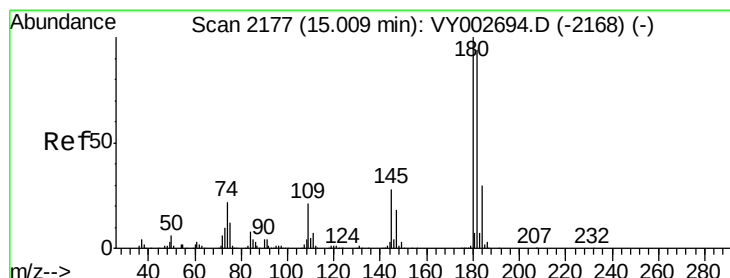
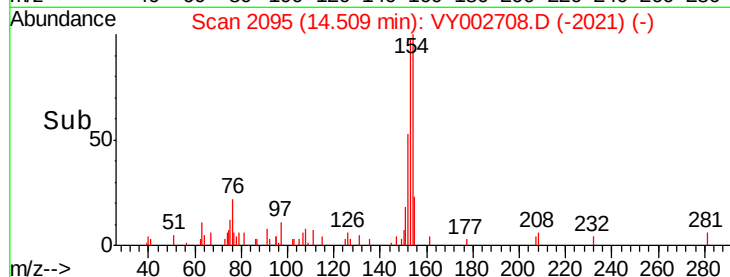
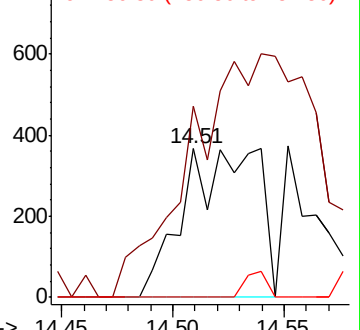
157 0.0 67.9 203.7#



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: Below Cal

RT: 15.01 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VY002708.D

Acq: 18 May 2020 14:23

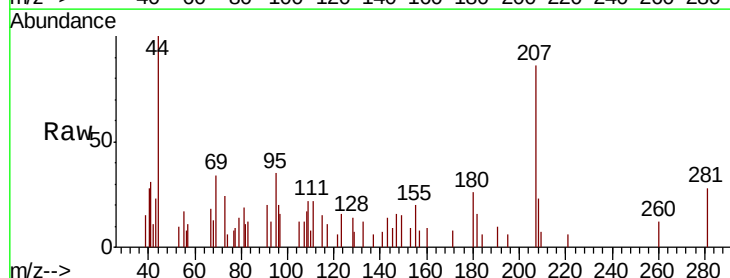
Tgt Ion: 180 Resp: 292

Ion Ratio Lower Upper

180 100

182 64.0 47.3 142.0

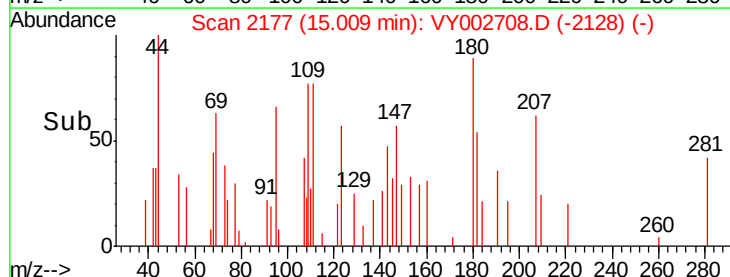
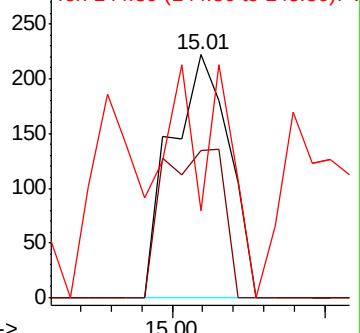
145 92.5 14.1 42.2#

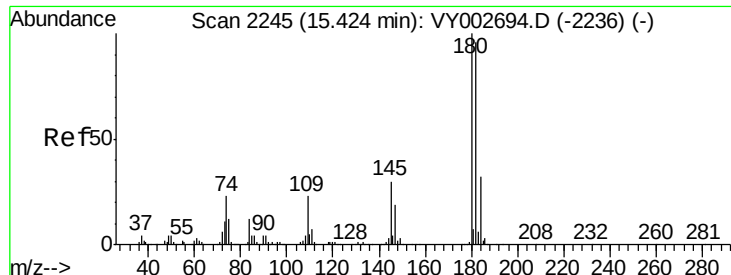


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.43 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: VY002708.D
 Acq: 18 May 2020 14:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	62.7	47.6	142.9
145	91.9	15.1	45.3

