

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002704.D
 Acq On : 18 May 2020 12:28
 Operator : SY/MD
 Sample : L2506-08
 Misc : 8.17G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 23:52:20 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	290936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	460516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	431186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	205200	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	128932	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
35) Dibromofluoromethane	7.72	113	134585	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	10.18	98	549599	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
62) 4-Bromofluorobenzene	12.48	95	180193	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

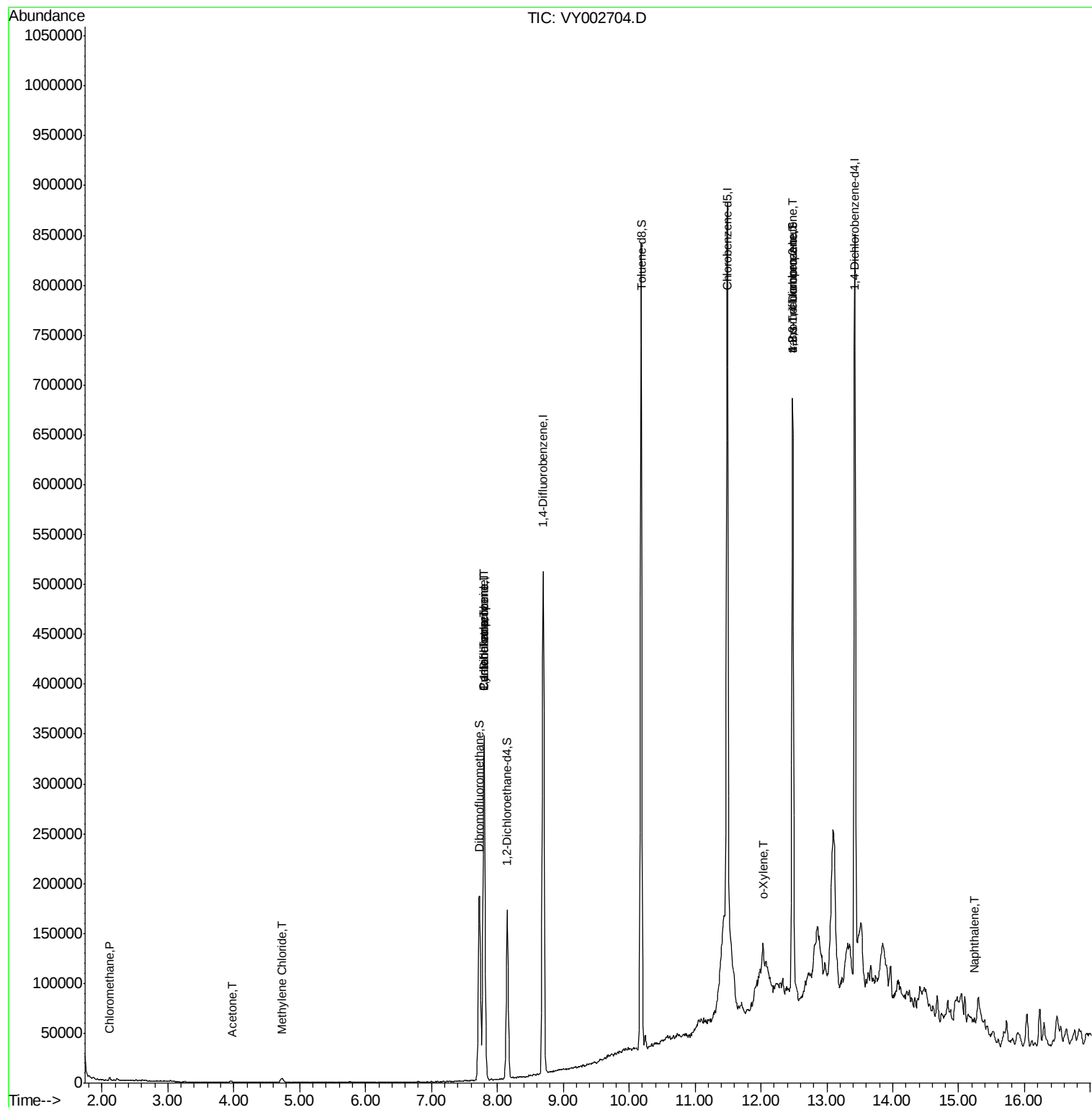
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2560	1.072	ug/l	95
16) Acetone	3.96	43	2257	4.811	ug/l #	86
20) Methylene Chloride	4.74	84	3574	1.260	ug/l	96
31) Cyclohexane	7.79	56	4542	1.031	ug/l #	8
36) 1,1-Dichloropropene	7.80	75	17875	4.585	ug/l #	50
38) Carbon Tetrachloride	7.80	117	26313	6.280	ug/l #	15
69) o-Xylene	12.03	106	7837	1.467	ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	86676	51.420	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86676	97.246	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.00	180	1268	Below Cal	#	1
94) Hexachlorobutadiene	15.11	225	316	Below Cal		92
95) Naphthalene	15.23	128	8330	1.043	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.42	180	1604	Below Cal	#	43

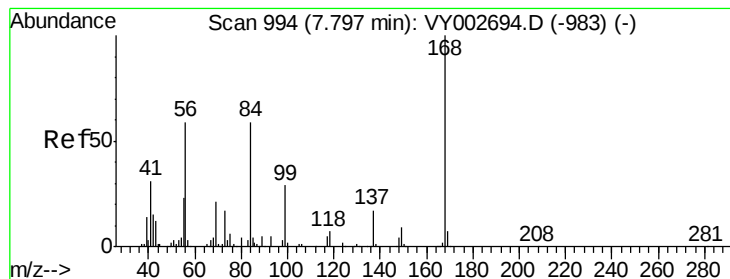
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002704.D

Acq: 18 May 2020 12:28

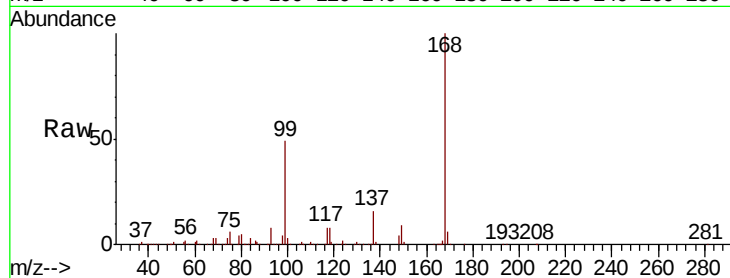
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 290936

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

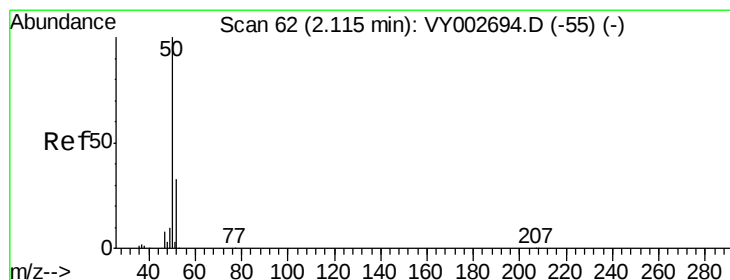
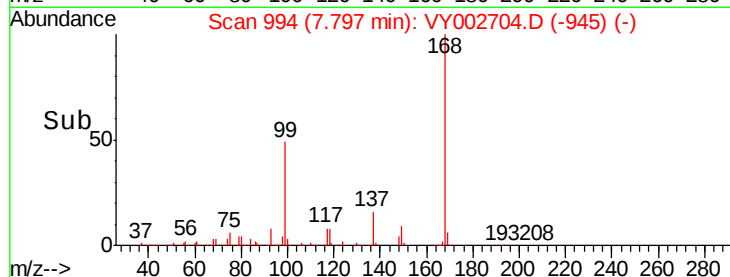
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.072 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY002704.D

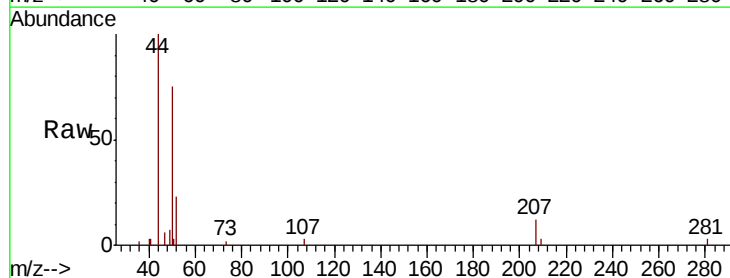
Acq: 18 May 2020 12:28

Tgt Ion: 50 Resp: 2560

Ion Ratio Lower Upper

50 100

52 30.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VY002694.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002694.D (-55) (-)

2.11

2000

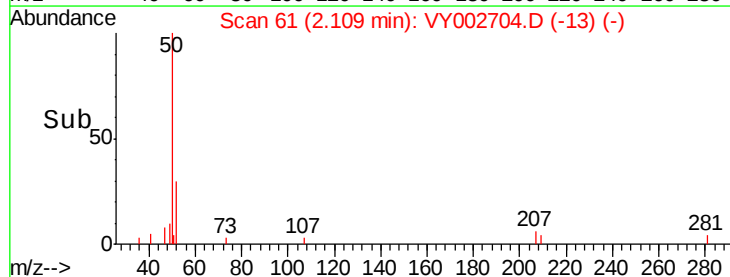
1500

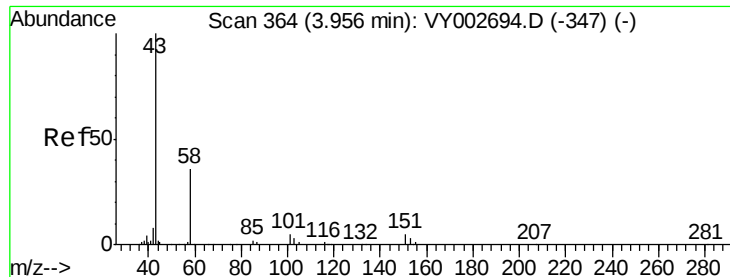
1000

500

0

Time-->





#16

Acetone

Concen: 4.811 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

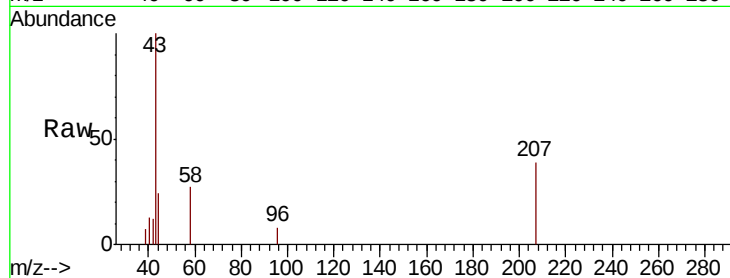
ClientSampleId :

Tot Ion: 43 Resp: 2257

Ion Ratio Lower Upper

43 100

58 27.3 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

800

600

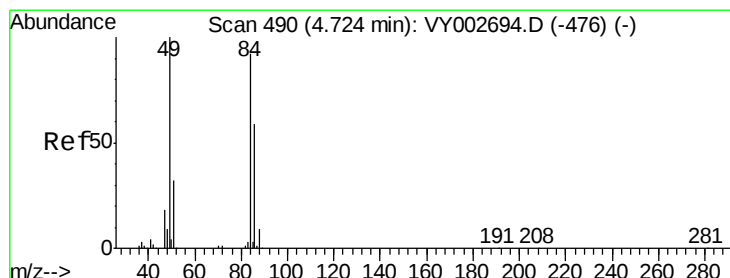
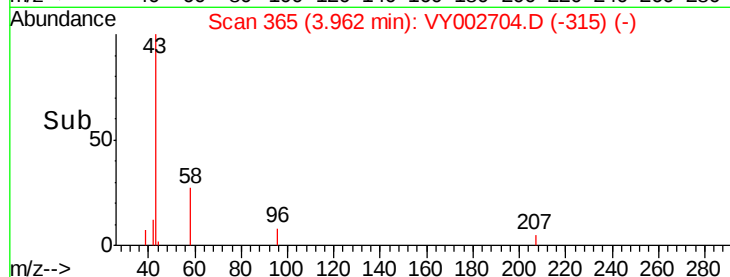
400

200

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 1.260 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

Tgt Ion: 84 Resp: 3574

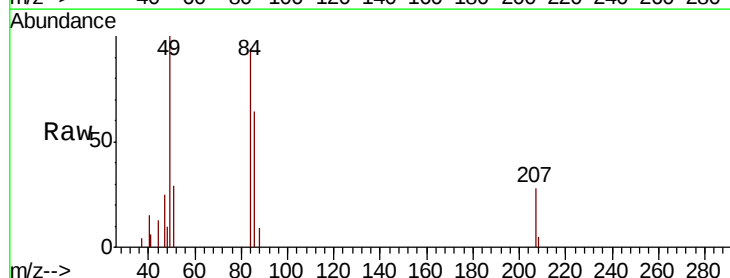
Ion Ratio Lower Upper

84 100

49 106.4 87.4 131.0

51 31.0 27.9 41.9

86 67.8 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

2000

1500

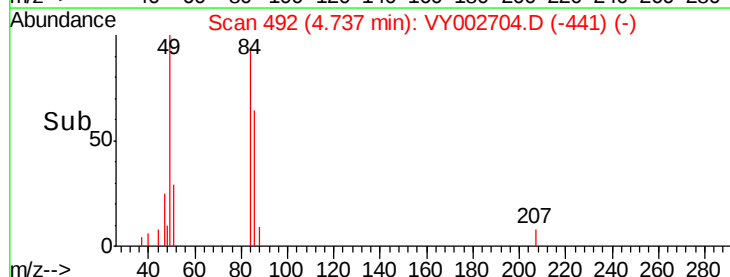
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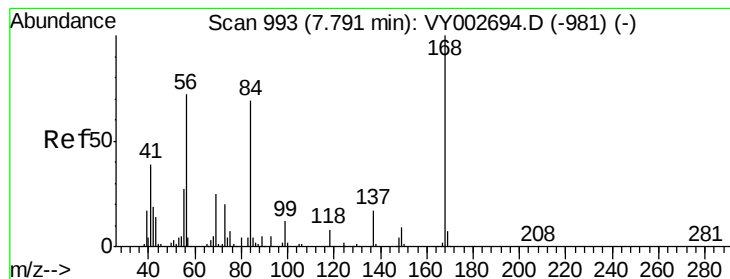
500

0

4.65 4.70 4.75 4.80

Time-->





#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

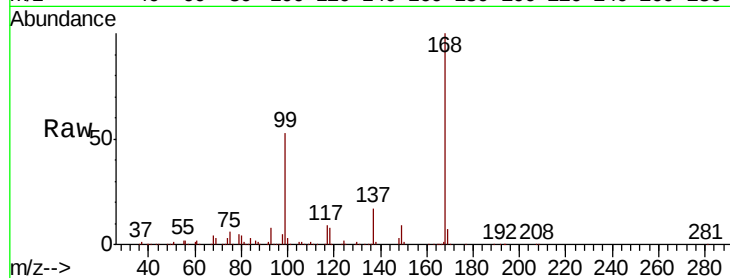
Tot Ion: 56 Resp: 4542

Ion Ratio Lower Upper

56 100

69 157.7 27.7 41.5#

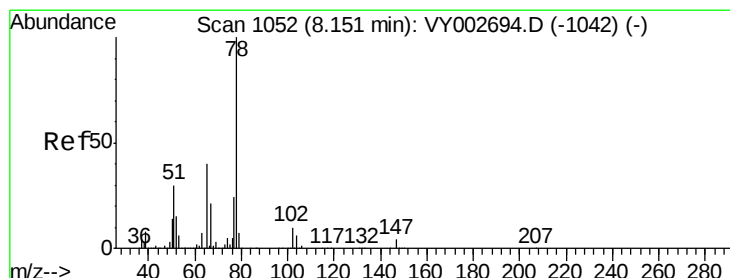
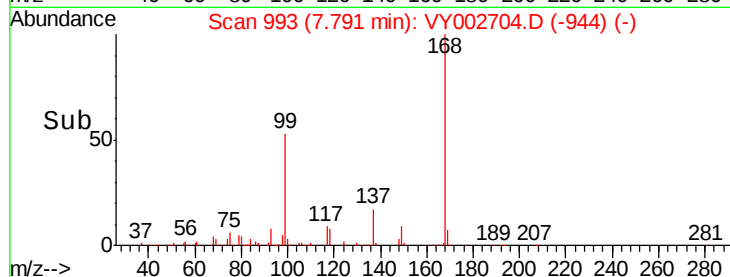
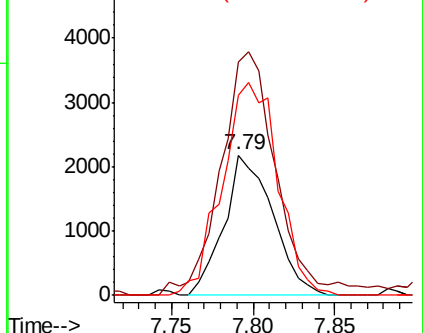
84 143.3 77.0 115.4#



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: 56.655 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002704.D

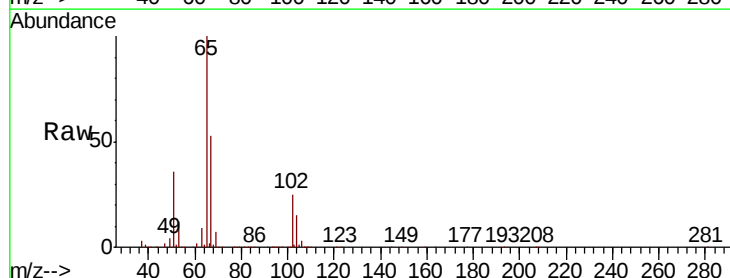
Acq: 18 May 2020 12:28

Tgt Ion: 65 Resp: 128932

Ion Ratio Lower Upper

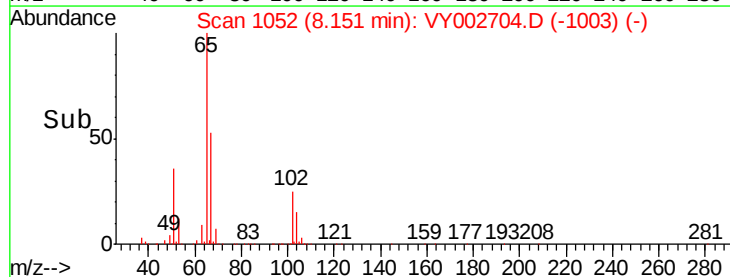
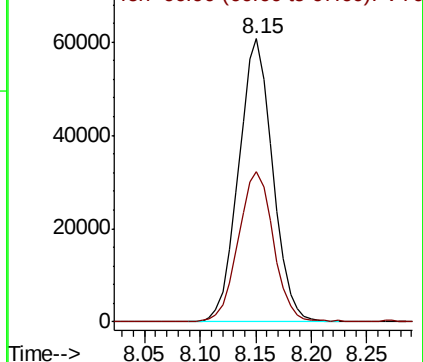
65 100

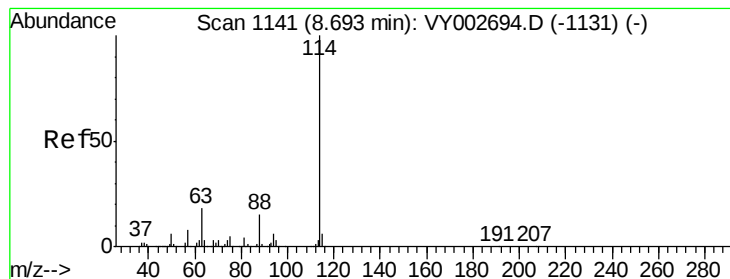
67 54.4 0.0 109.0



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: VY002704.D

Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

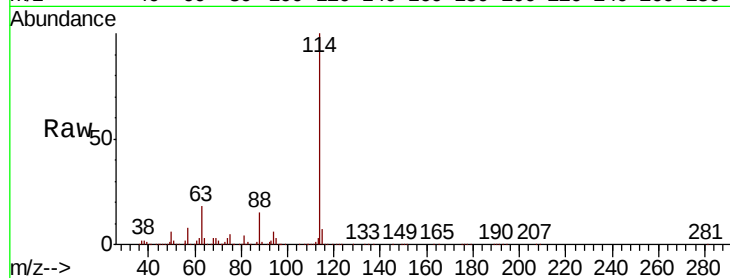
Tot Ion:114 Resp: 460516

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

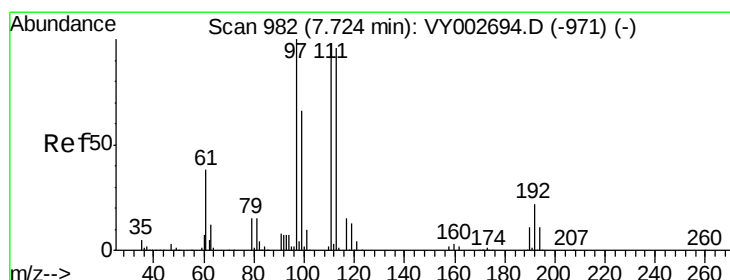
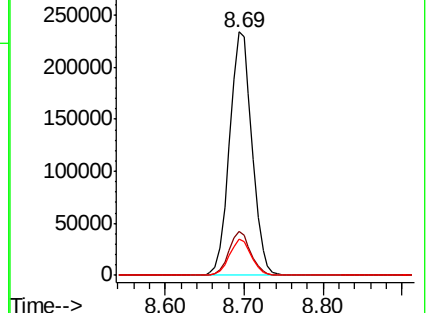
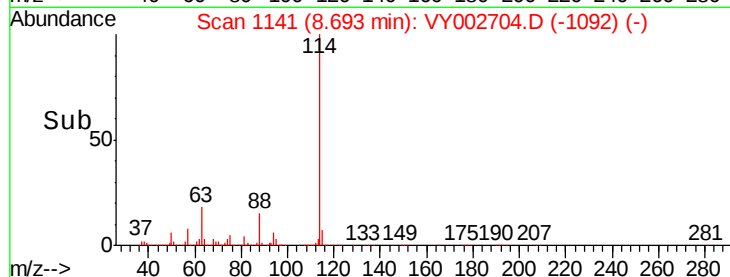
88 14.9 0.0 29.4



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: 52.955 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

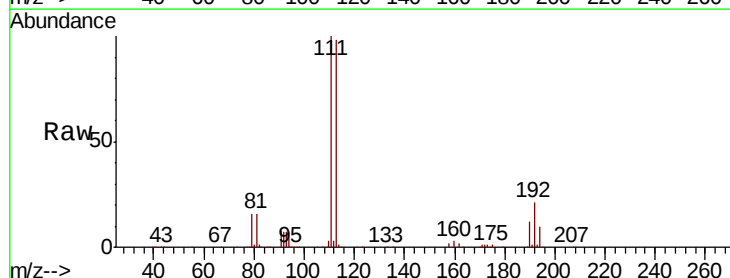
Tgt Ion:113 Resp: 134585

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

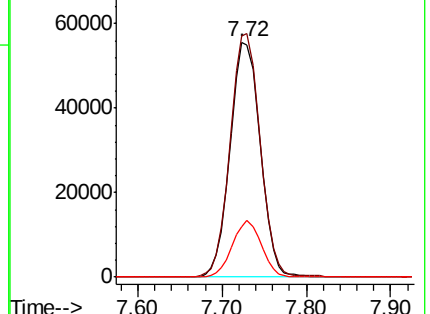
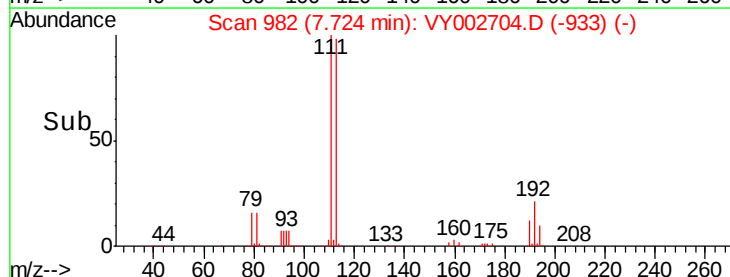
192 23.1 18.6 27.8

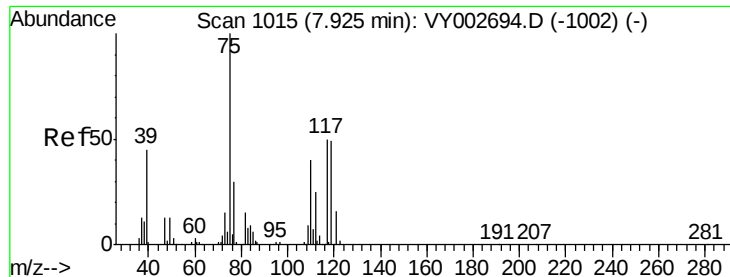


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

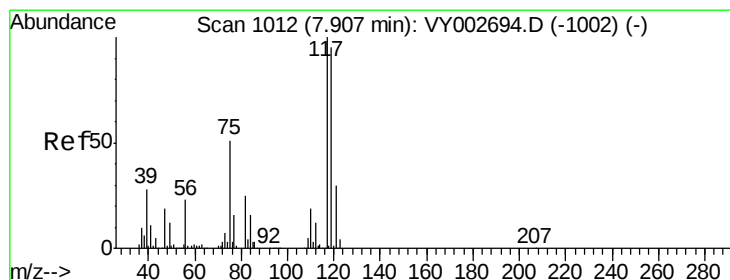
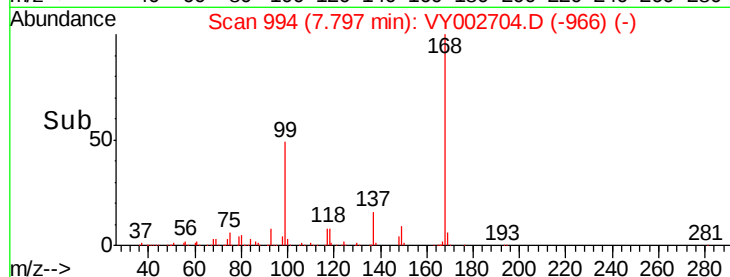
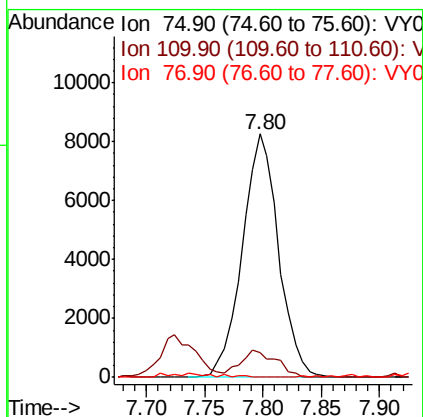
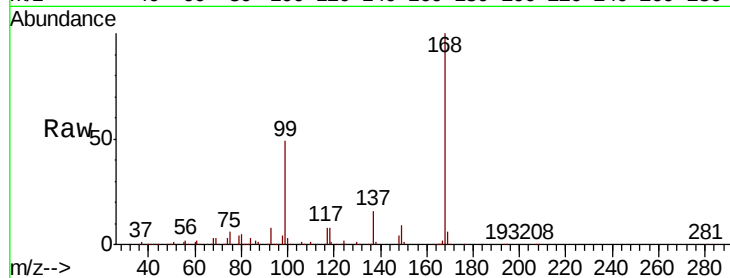




#36
 1,1-Dichloropropene
 Concen: 4.585 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002704.D
 Acq: 18 May 2020 12:28

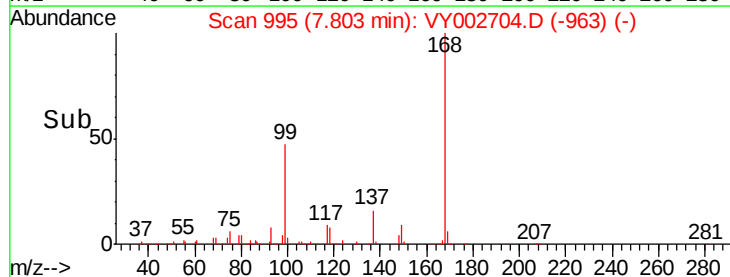
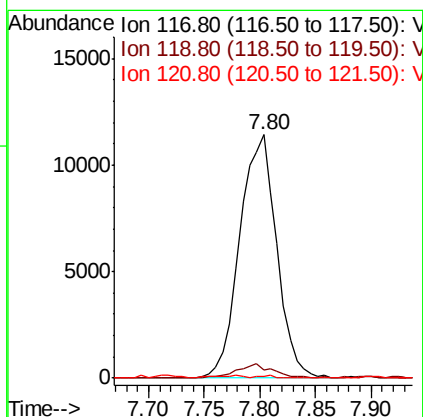
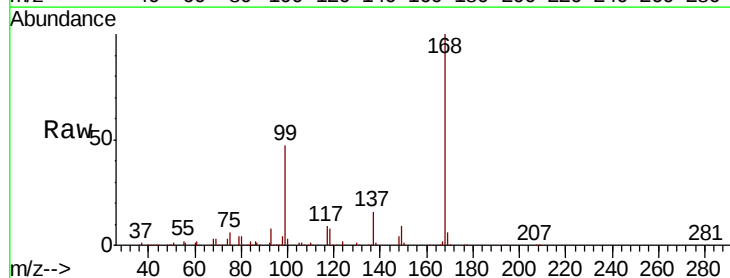
Instrument :
 MSVOA_Y
 ClientSampleId :

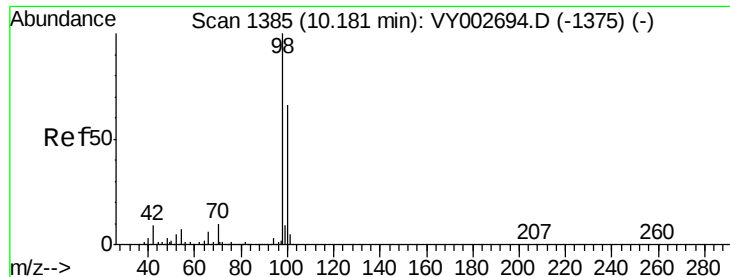
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.9	19.4	58.4#
77	0.3	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.280 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY002704.D
 Acq: 18 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.3	114.5#
121	0.9	24.2	36.2#





#50

Toluene-d8

Concen: 53.713 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

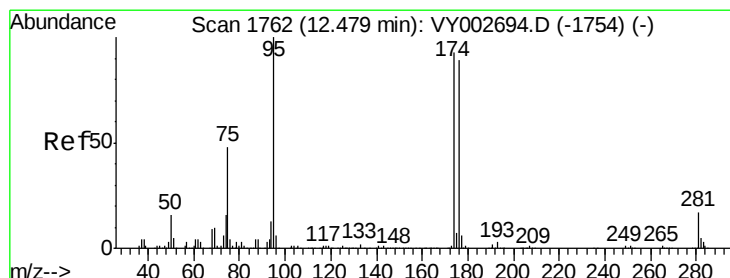
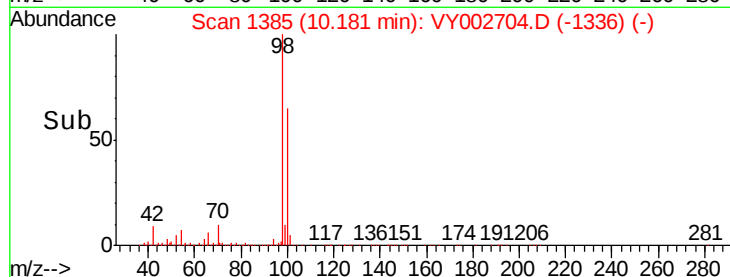
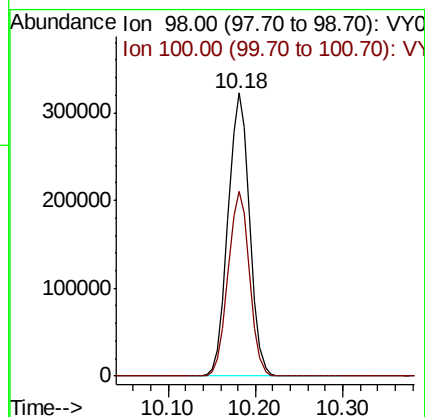
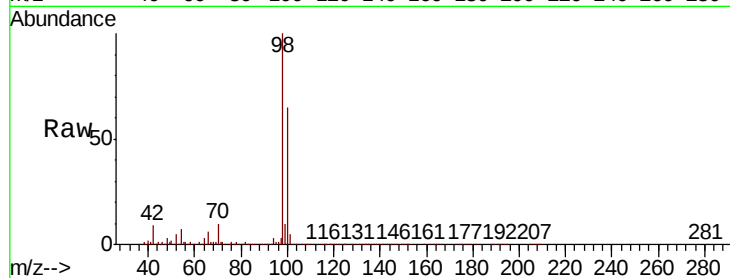
ClientSampleId :

Tot Ion: 98 Resp: 549599

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 51.237 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

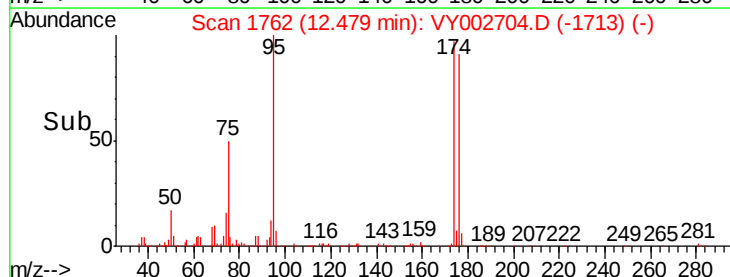
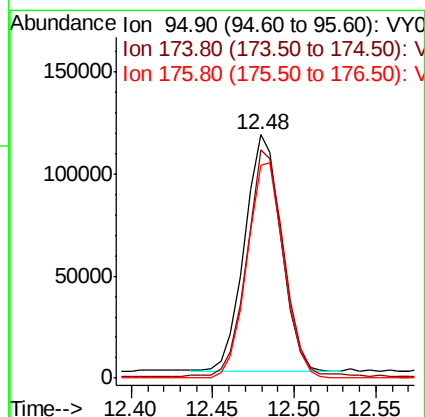
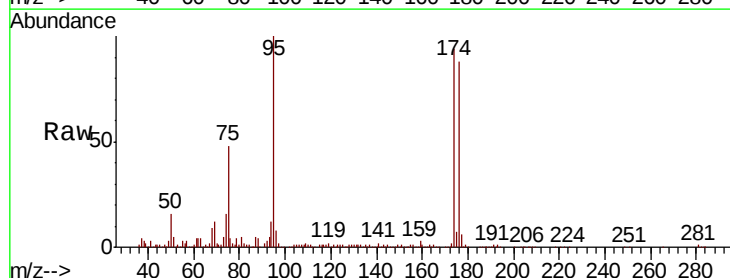
Tgt Ion: 95 Resp: 180193

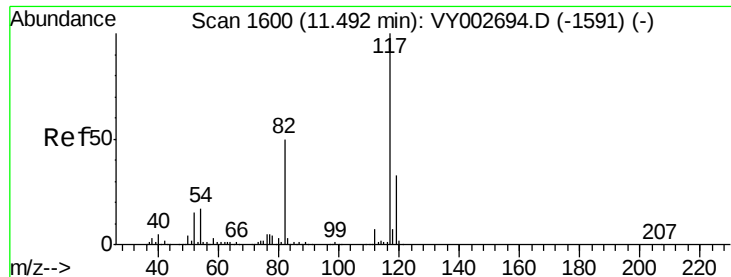
Ion Ratio Lower Upper

95 100

174 101.1 0.0 191.4

176 92.0 0.0 186.0

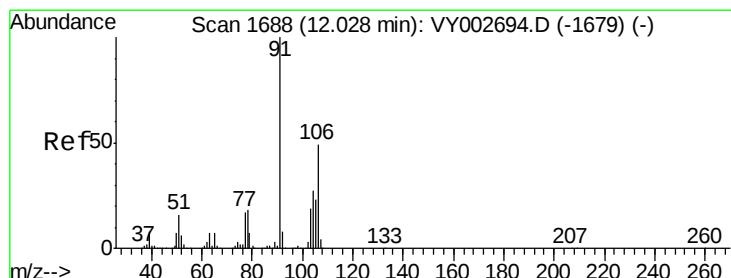
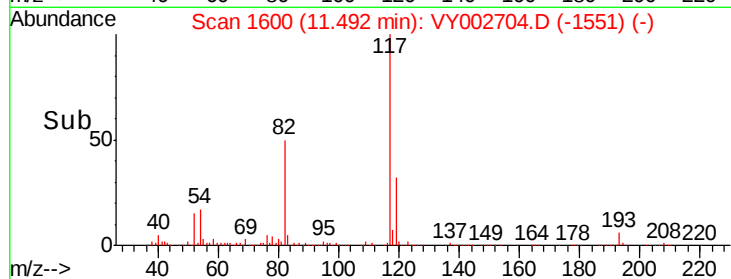
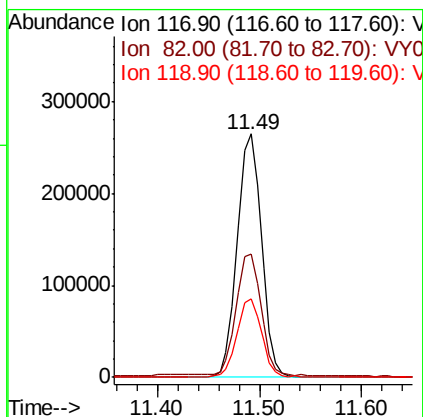
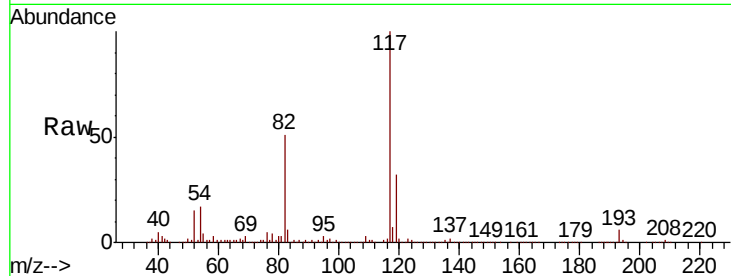




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002704.D
Acq: 18 May 2020 12:28

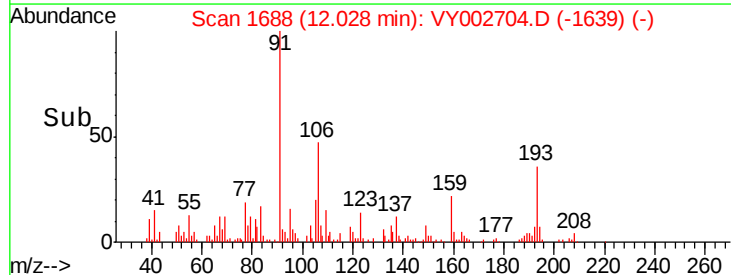
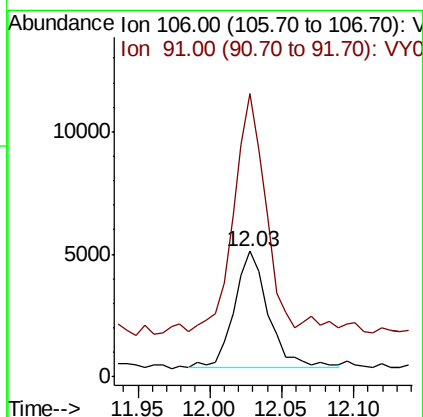
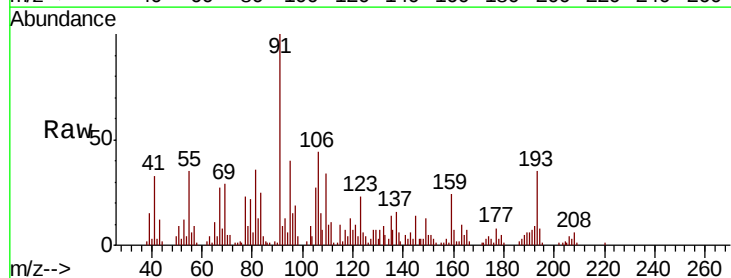
Instrument :
MSVOA_Y
ClientSampleId :

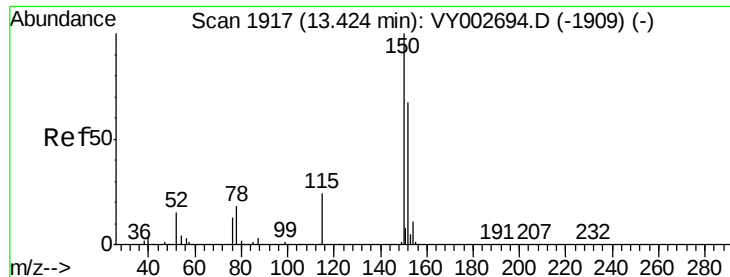
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	40.3	60.5
119	32.0	26.2	39.4



#69
o-Xylene
Concen: 1.467 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002704.D
Acq: 18 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	188.4	103.5	310.3



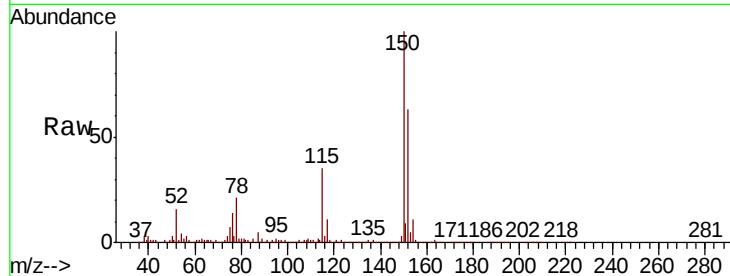


#72

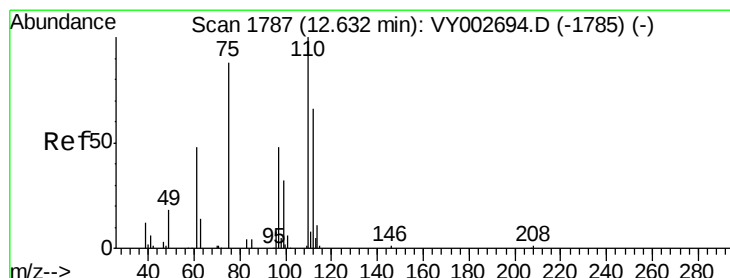
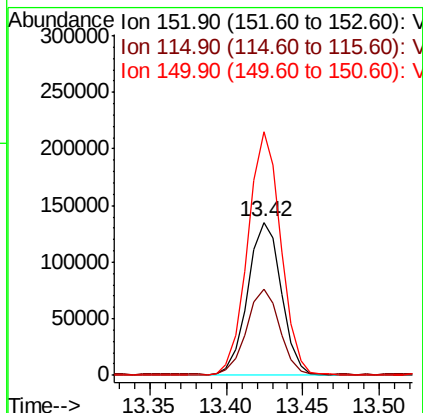
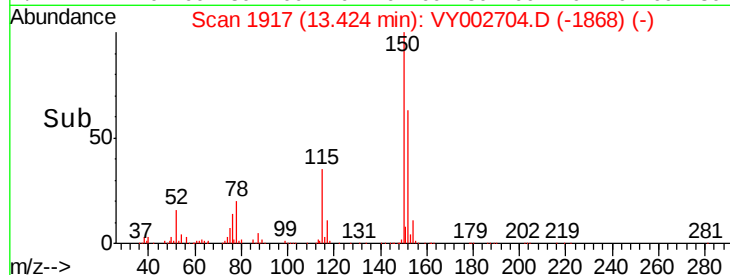
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002704.D
Acq: 18 May 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.2	81.6
150	156.4	0.0	343.8



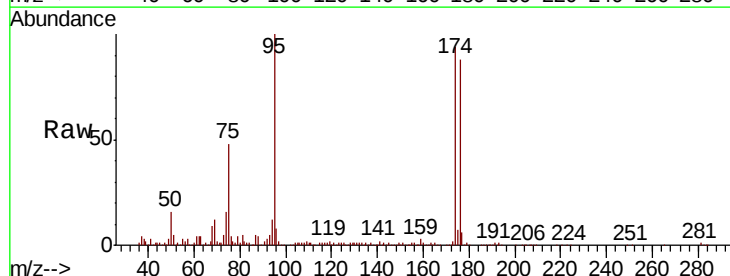
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



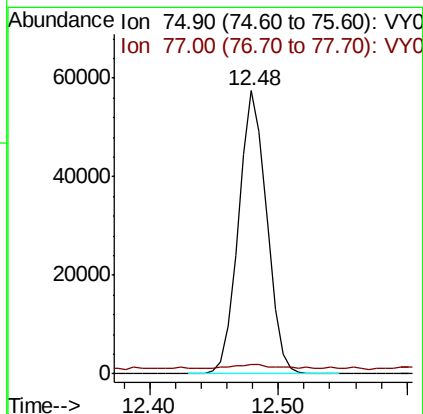
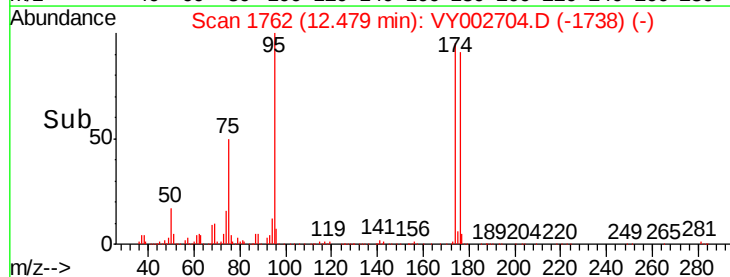
#76

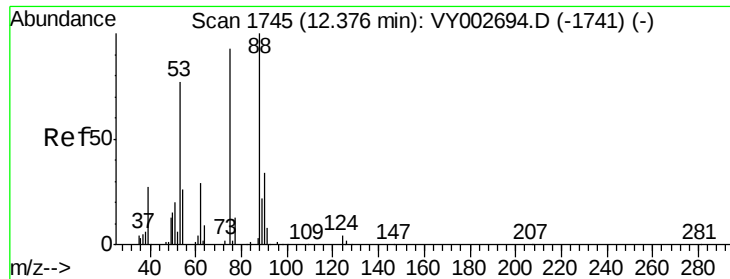
1,2,3-Trichloropropane
Concen: 51.420 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY002704.D
Acq: 18 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.8	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: 97.246 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

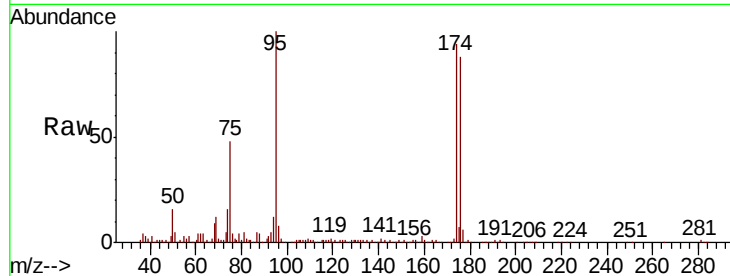
Tot Ion: 75 Resp: 86676

Ion Ratio Lower Upper

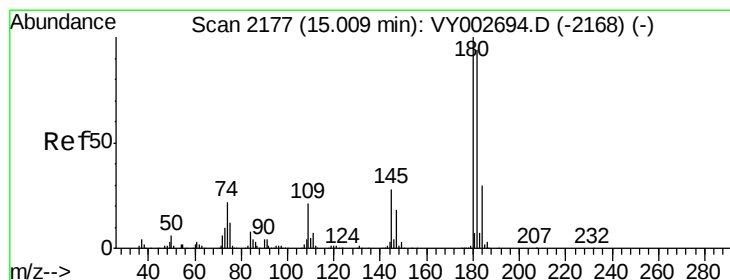
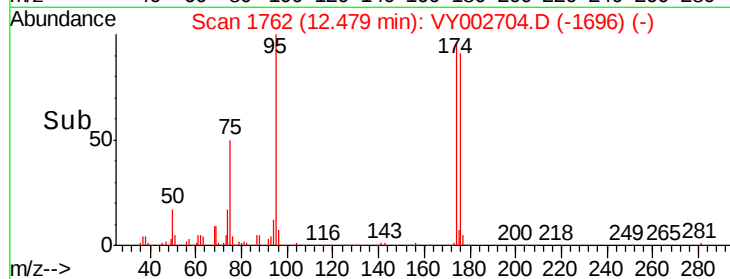
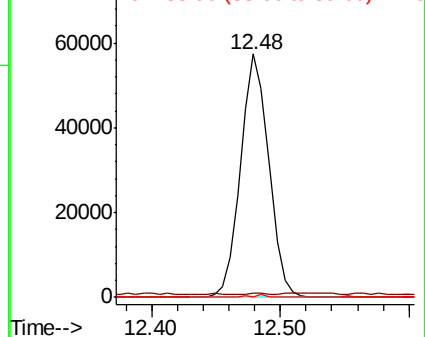
75 100

53 0.4 65.0 97.6#

89 0.4 66.6 99.8#



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



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.00 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

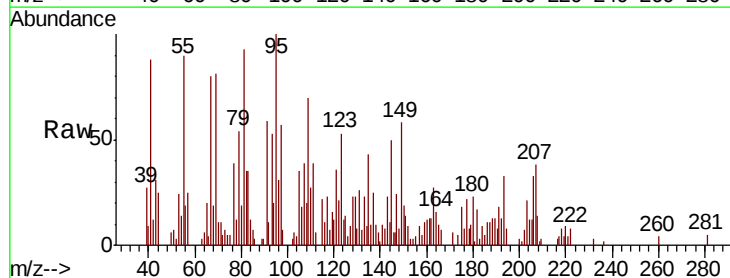
Tgt Ion: 180 Resp: 1268

Ion Ratio Lower Upper

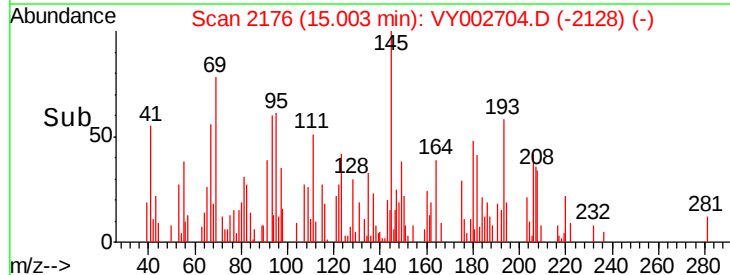
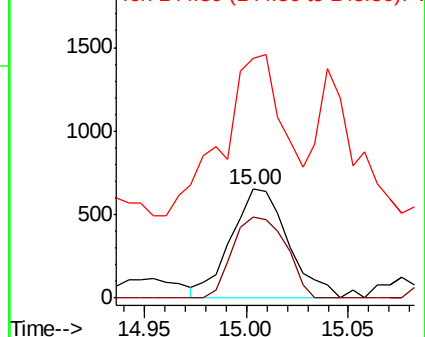
180 100

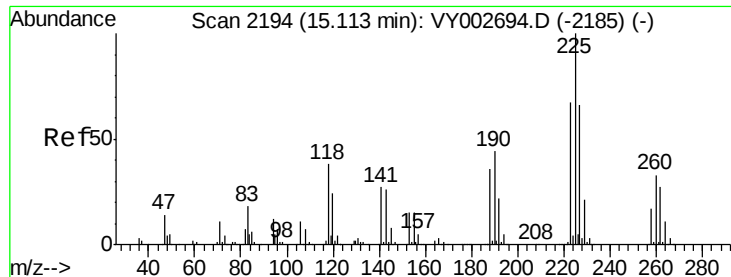
182 69.4 47.3 142.0

145 238.5 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





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VY002704.D

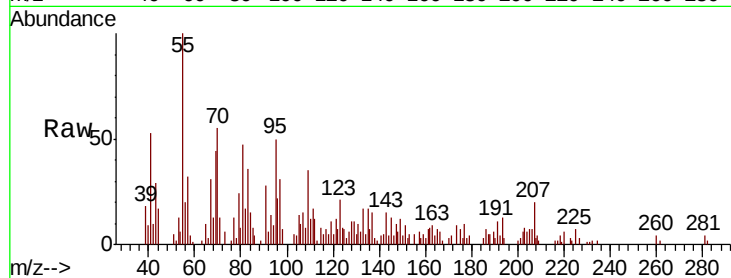
Acq: 18 May 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

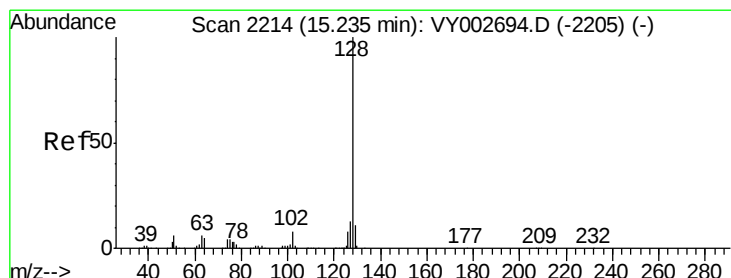
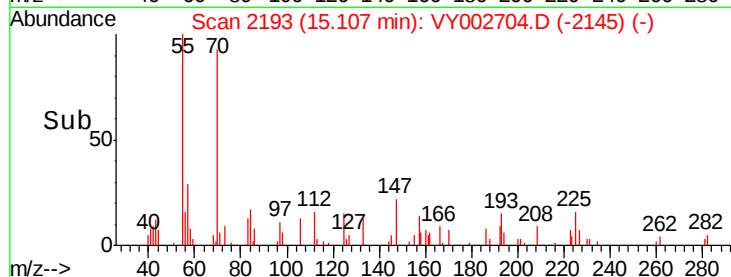
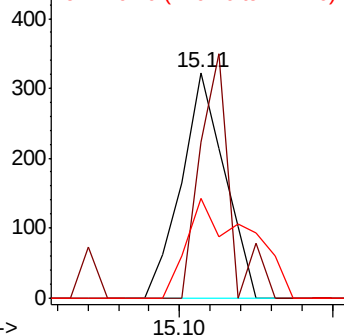
Tot Ion:	225	Resp:	316
Ion	Ratio	Lower	Upper
225	100		
223	75.3	31.6	94.8
227	63.3	32.2	96.6



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: 1.043 ug/l

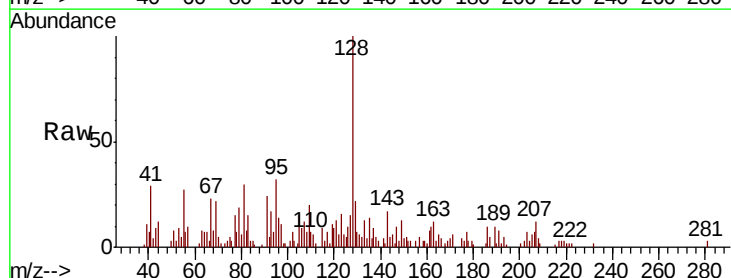
RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002704.D

Acq: 18 May 2020 12:28

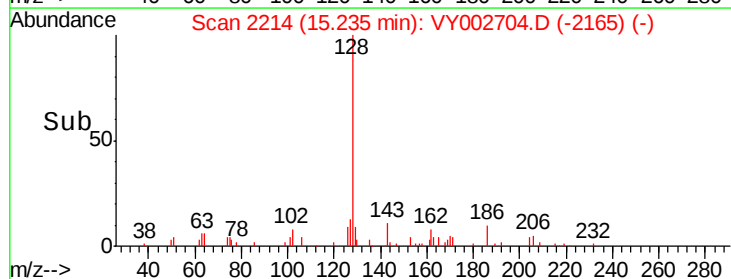
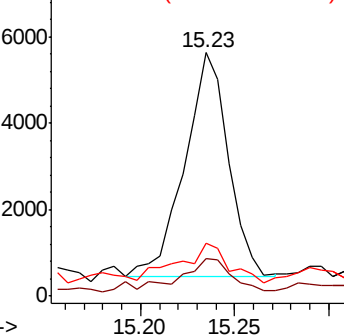
Tgt Ion:	128	Resp:	8330
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.3	15.5#
129	20.9	8.7	13.1#

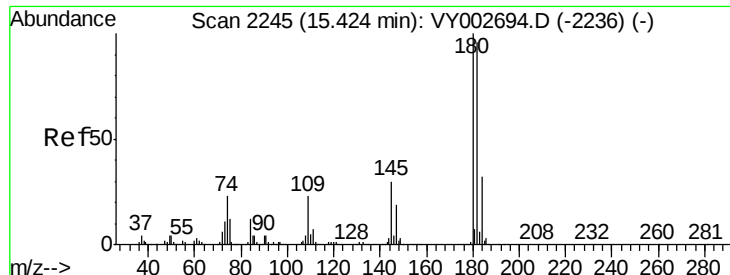


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

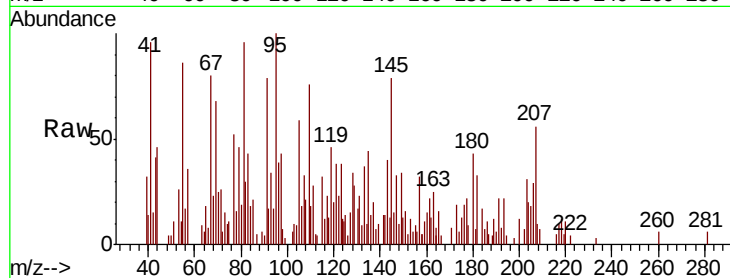




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002704.D
 Acq: 18 May 2020 12:28

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	75.8	47.6	142.9
145	123.7	15.1	45.3



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

