

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002736.D
 Acq On : 21 May 2020 12:38
 Operator : SY/MD
 Sample : L2506-14
 Misc : 5.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 13:29:53 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	141688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	216732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	181662	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	77930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	55353	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.72	113	61779	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.18	98	247547	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.48	95	72139	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	

Target Compounds

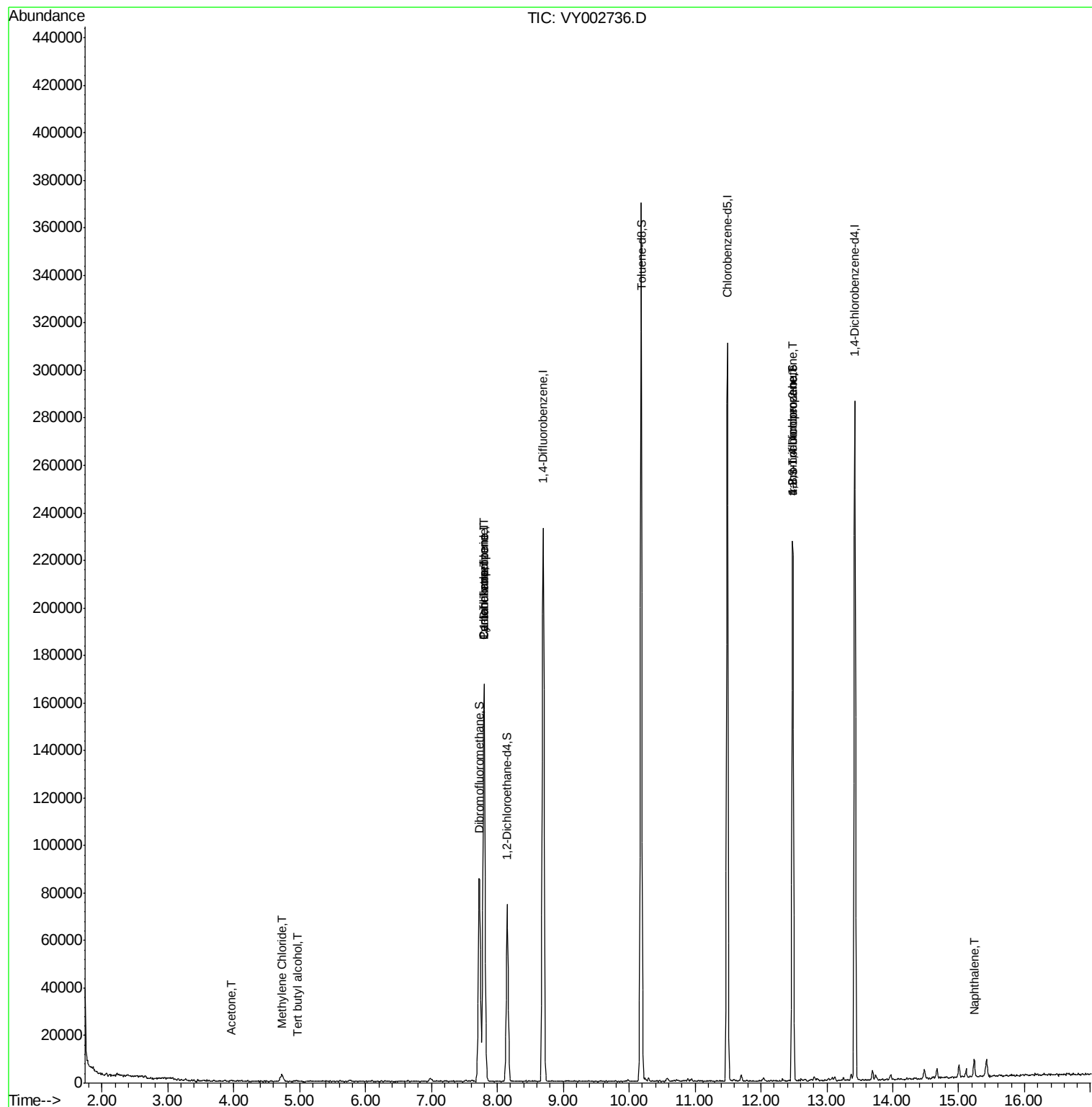
					Qvalue
11) Tert butyl alcohol	4.96	59	381	3.385 ug/l #	74
16) Acetone	3.96	43	837	3.663 ug/l	94
20) Methylene Chloride	4.72	84	2223	1.610 ug/l #	83
31) Cyclohexane	7.79	56	2192	1.022 ug/l #	1
36) 1,1-Dichloropropene	7.80	75	8753	4.771 ug/l #	49
38) Carbon Tetrachloride	7.80	117	12266	6.220 ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	33488	52.311 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	33488	98.931 ug/l #	8
93) 1,2,4-Trichlorobenzene	15.00	180	1924	Below Cal	87
94) Hexachlorobutadiene	15.12	225	784	Below Cal	90
95) Naphthalene	15.23	128	5867	1.935 ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	2661	Below Cal	92

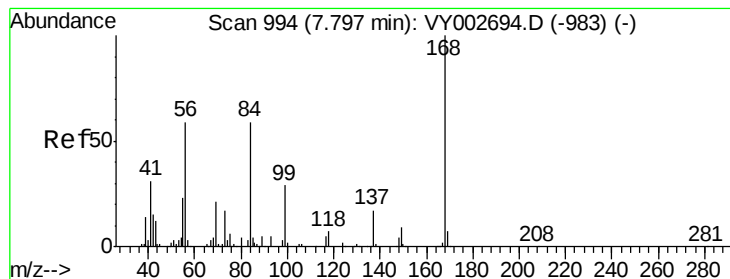
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
Data File : VY002736.D
Acq On : 21 May 2020 12:38
Operator : SY/MD
Sample : L2506-14
Misc : 5.67G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: May 21 13:29:53 2020
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: VY002736.D

Acq: 21 May 2020 12:38

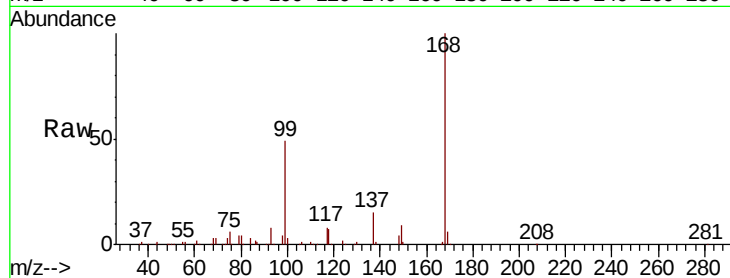
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 141688

Ion Ratio Lower Upper

168 100

99 48.6 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002736.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002736.D (-945) (-)

7.80

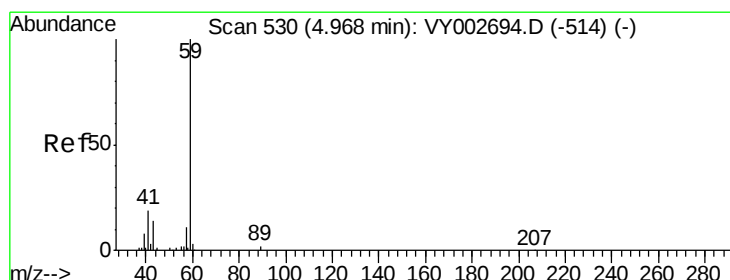
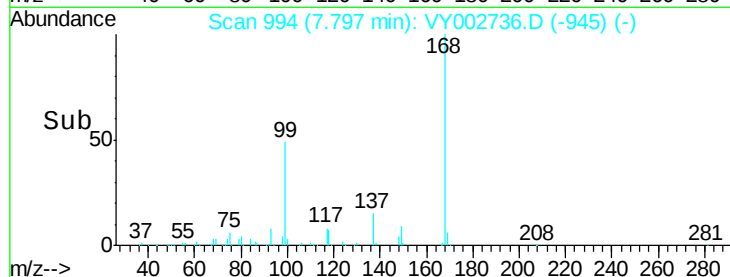
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.385 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002736.D

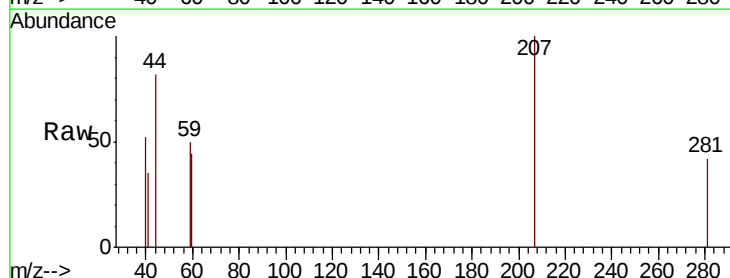
Acq: 21 May 2020 12:38

Tgt Ion: 59 Resp: 381

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002736.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002736.D (-481) (-)

4.96

250

200

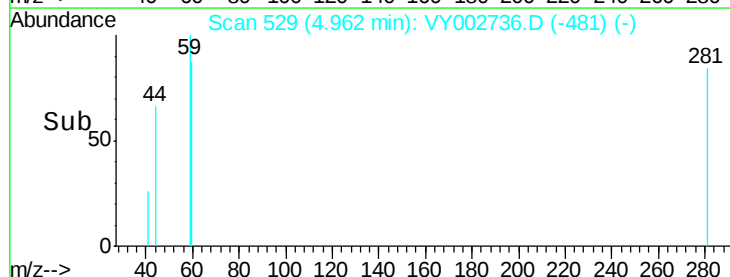
150

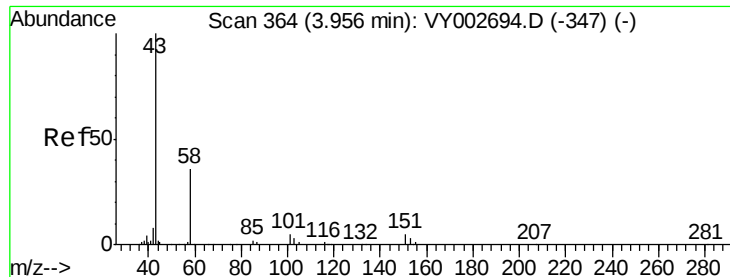
100

50

0

Time-->

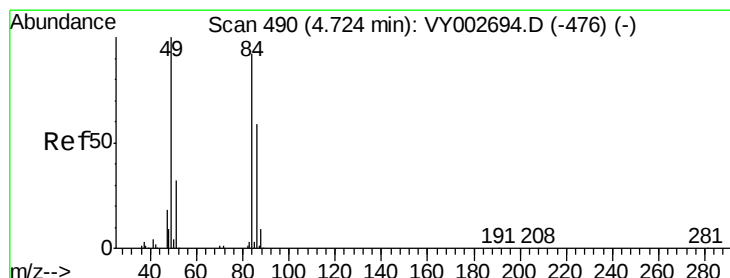
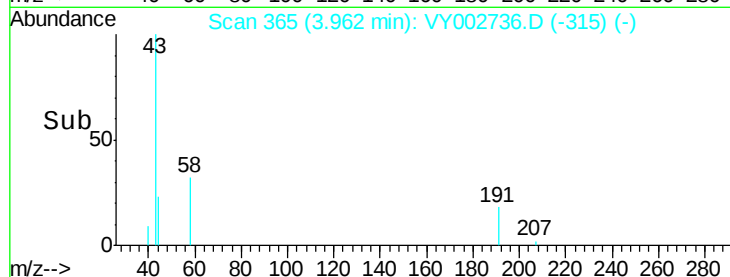
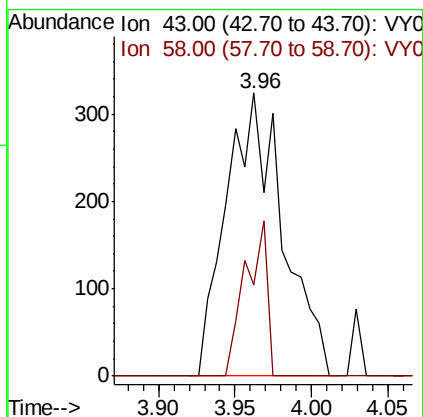
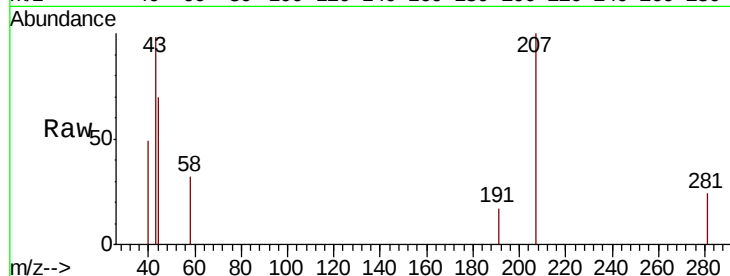




#16
Acetone
Concen: 3.663 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY002736.D
Acq: 21 May 2020 12:38

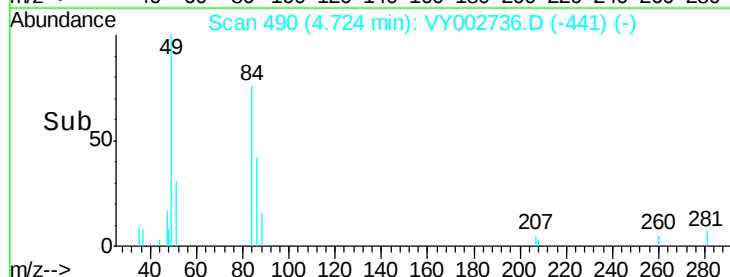
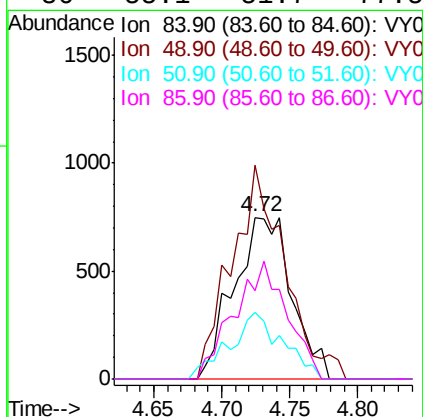
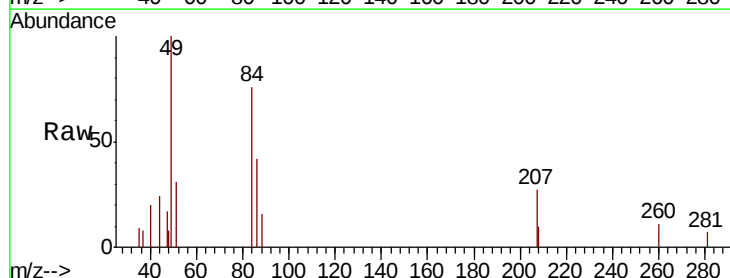
Instrument :
MSVOA_Y
ClientSampleId :

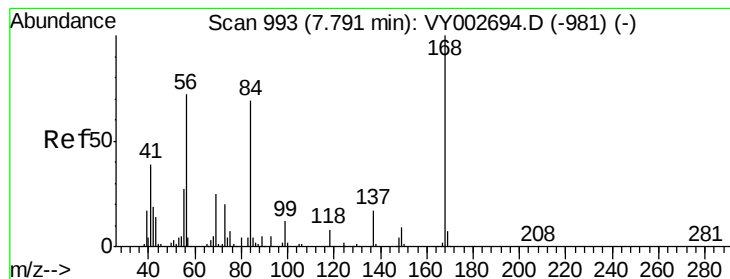
Tot Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
58 32.1 28.6 43.0



#20
Methylene Chloride
Concen: 1.610 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002736.D
Acq: 21 May 2020 12:38

Tgt Ion: 84 Resp: 2223
Ion Ratio Lower Upper
84 100
49 132.4 87.4 131.0#
51 41.2 27.9 41.9
86 55.1 51.7 77.5





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

Instrument :
MSVOA_Y
ClientSampleId :

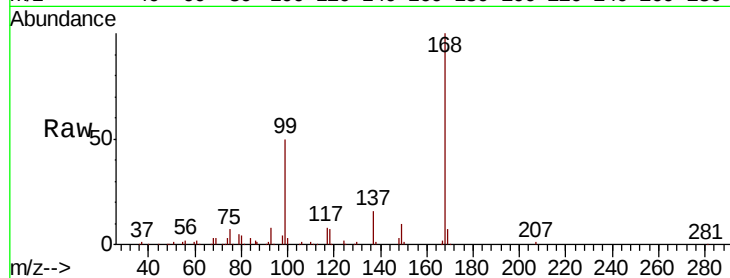
Tot Ion: 56 Resp: 2192

Ion Ratio Lower Upper

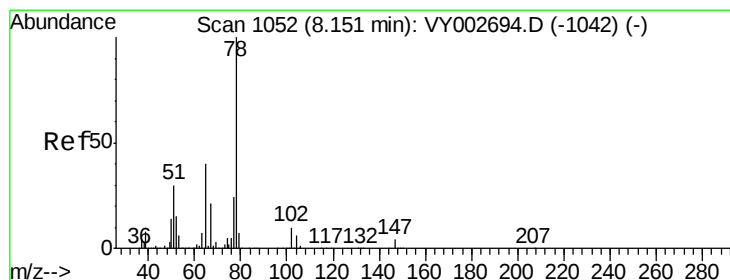
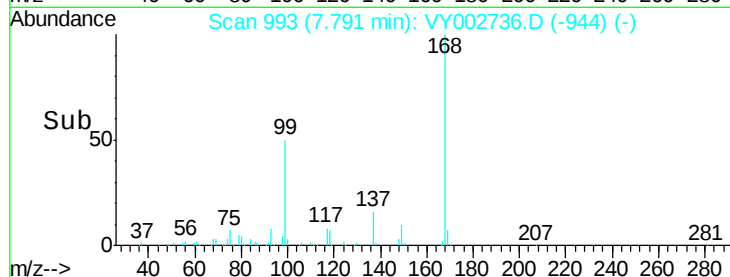
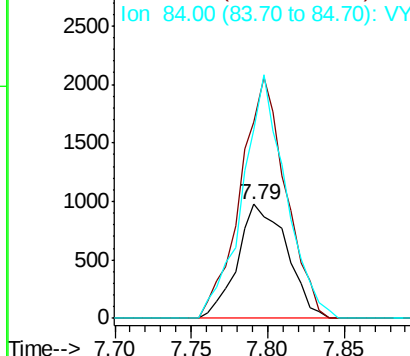
56 100

69 172.7 27.7 41.5#

84 165.2 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: 49.944 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002736.D

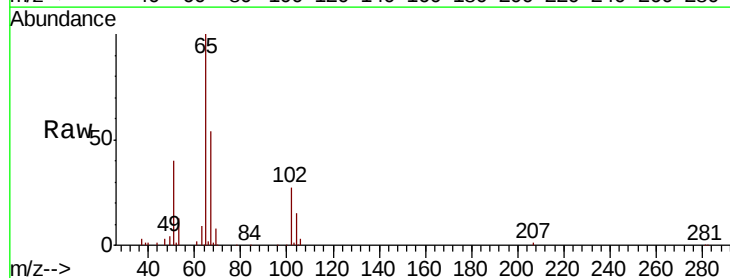
Acq: 21 May 2020 12:38

Tgt Ion: 65 Resp: 55353

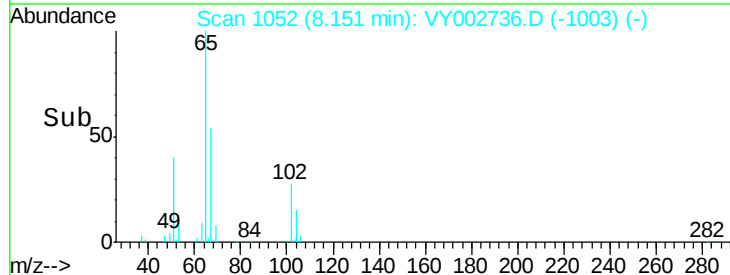
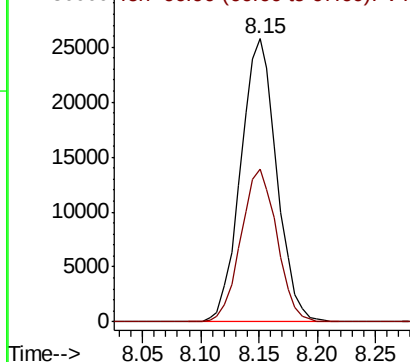
Ion Ratio Lower Upper

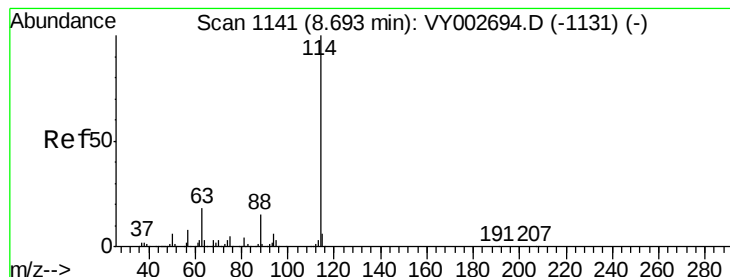
65 100

67 54.2 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: VY002736.D

Acq: 21 May 2020 12:38

Instrument :

MSVOA_Y

ClientSampled :

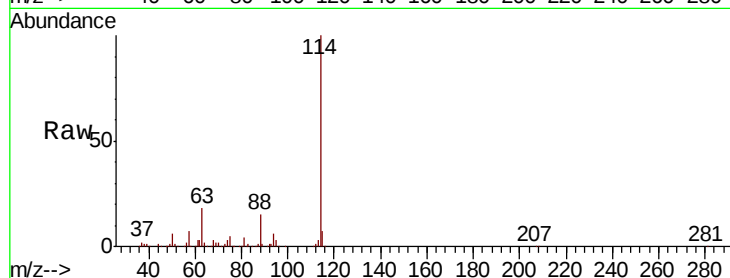
Tot Ion:114 Resp: 216732

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

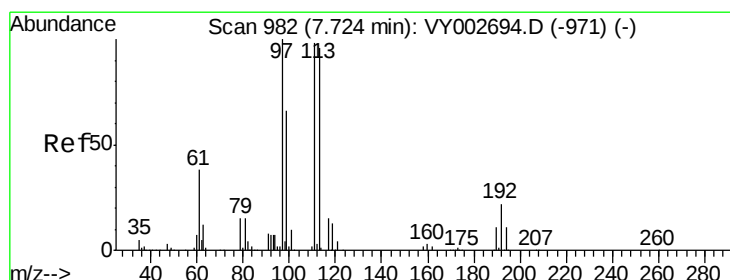
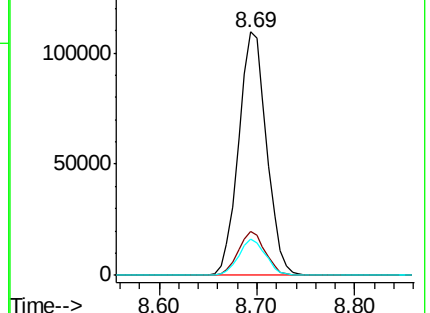
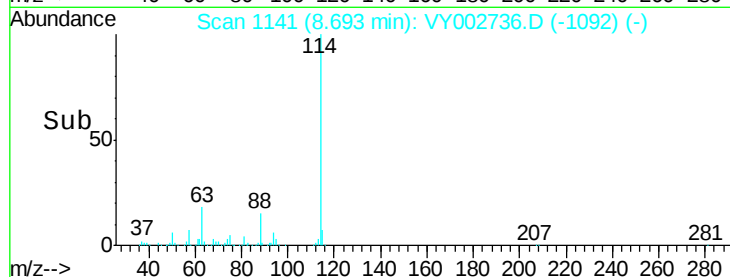
88 14.9 0.0 29.4



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: 51.651 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

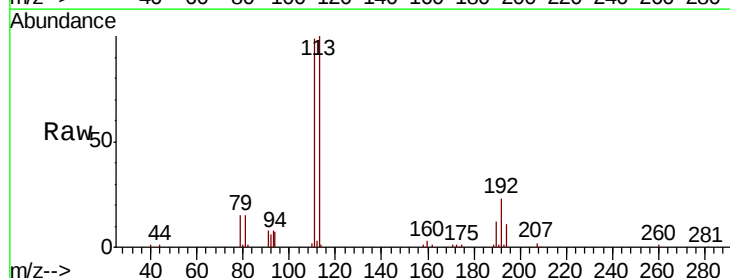
Tgt Ion:113 Resp: 61779

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

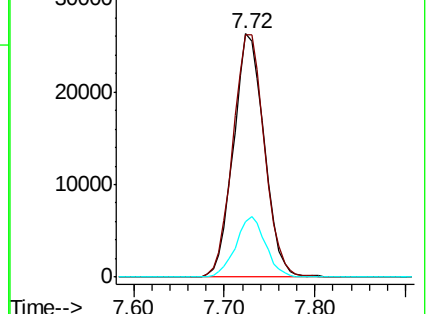
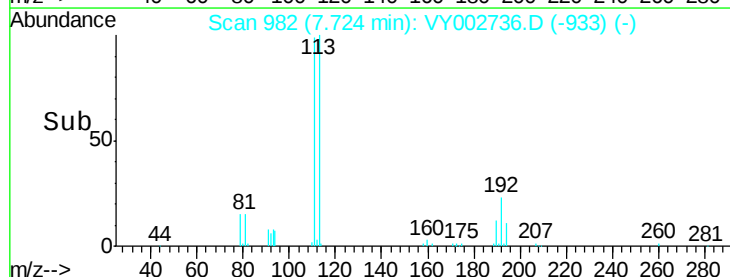
192 23.9 18.6 27.8

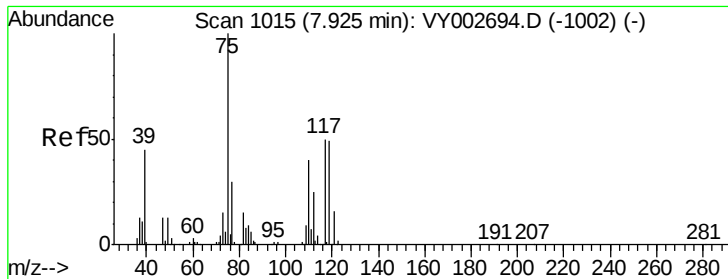


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

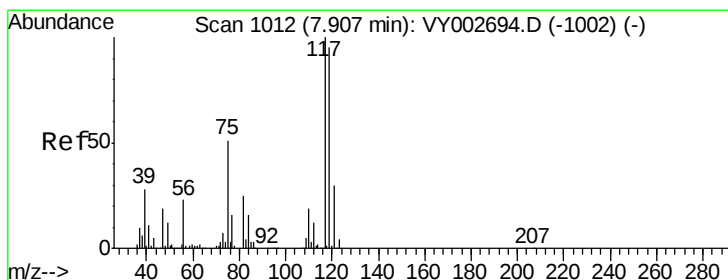
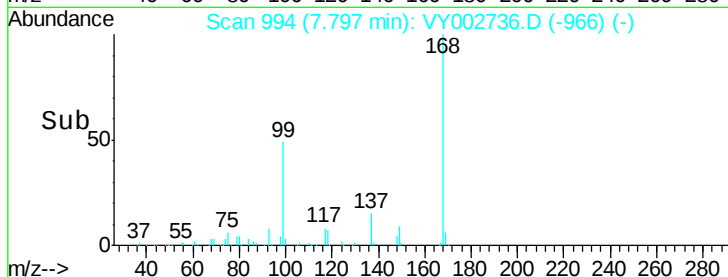
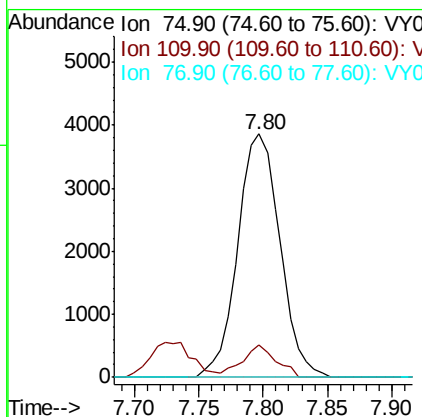
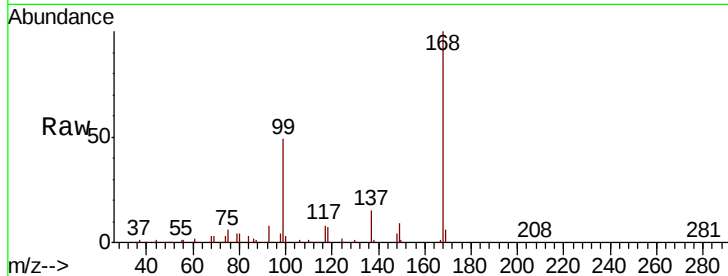




#36
 1,1-Dichloropropene
 Concen: 4.771 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002736.D
 Acq: 21 May 2020 12:38

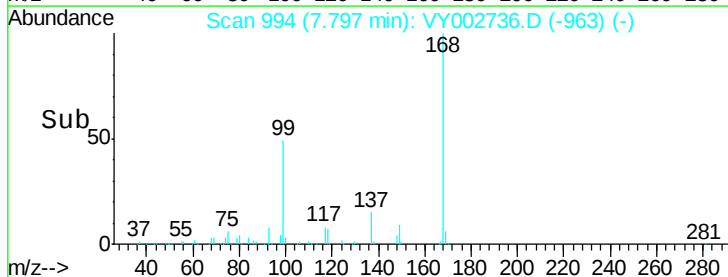
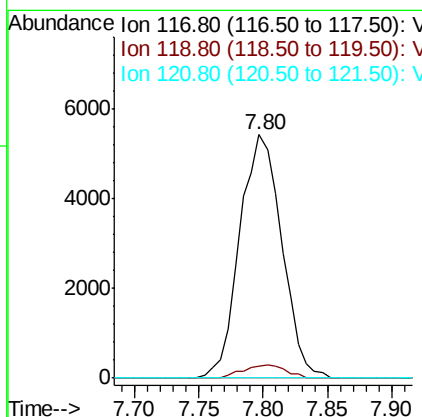
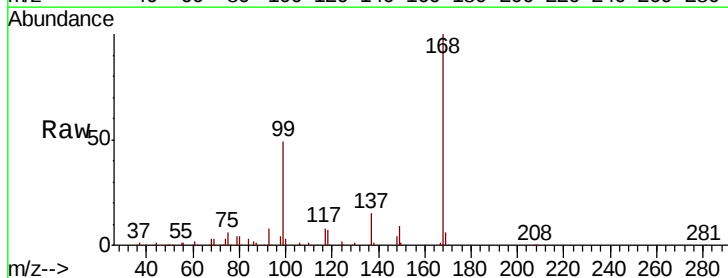
Instrument :
 MSVOA_Y
 ClientSampled :

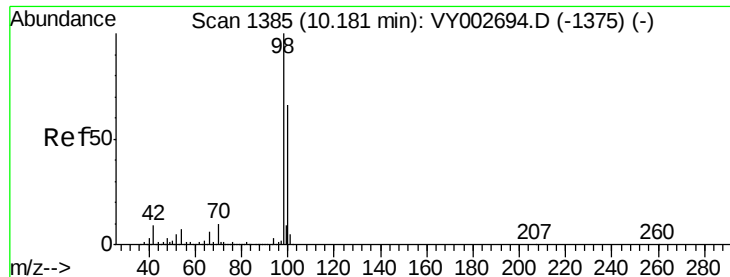
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.4	58.4#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.220 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002736.D
 Acq: 21 May 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 51.405 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

Instrument :

MSVOA_Y

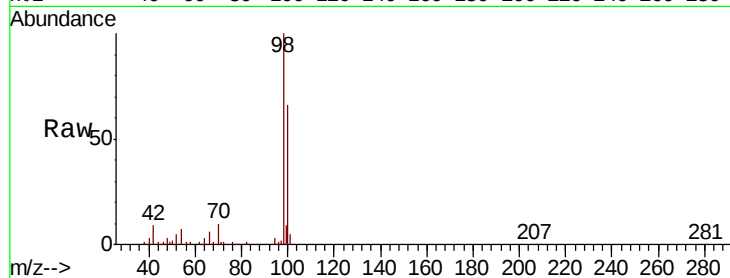
ClientSampleId :

Tot Ion: 98 Resp: 247547

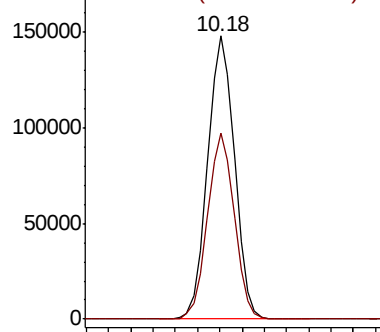
Ion Ratio Lower Upper

98 100

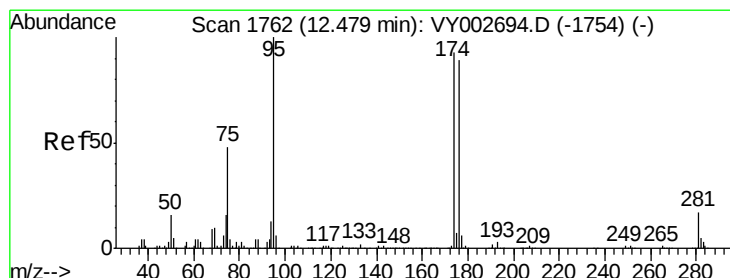
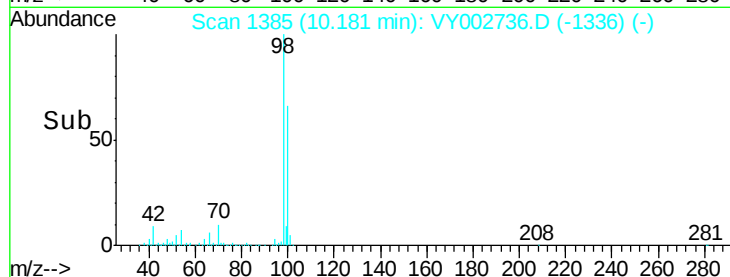
100 65.4 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY002736.D (-1336) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 43.585 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

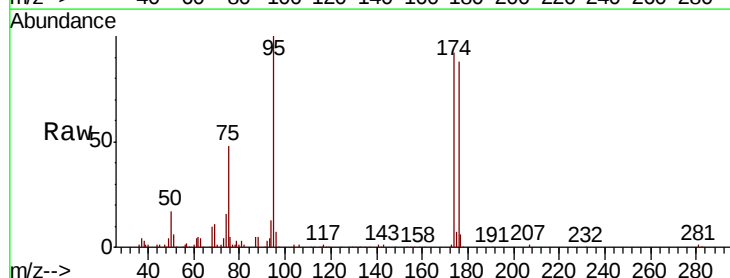
Tgt Ion: 95 Resp: 72139

Ion Ratio Lower Upper

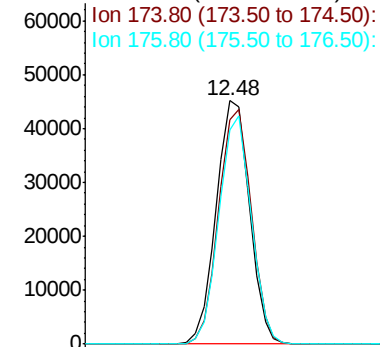
95 100

174 94.5 0.0 191.4

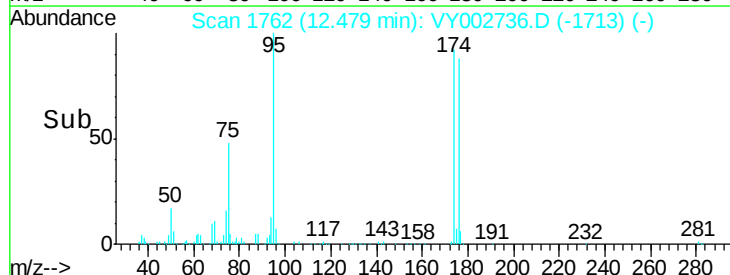
176 90.7 0.0 186.0

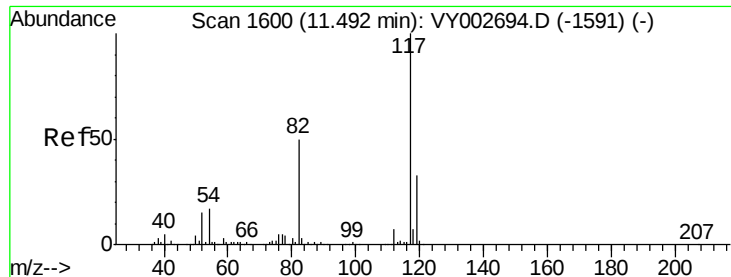


Abundance Ion 94.90 (94.60 to 95.60): VY002736.D (-1713) (-)



Time-->

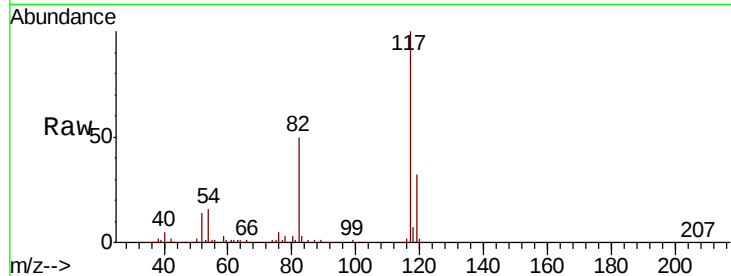




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002736.D
Acq: 21 May 2020 12:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	40.3	60.5
119	31.5	26.2	39.4

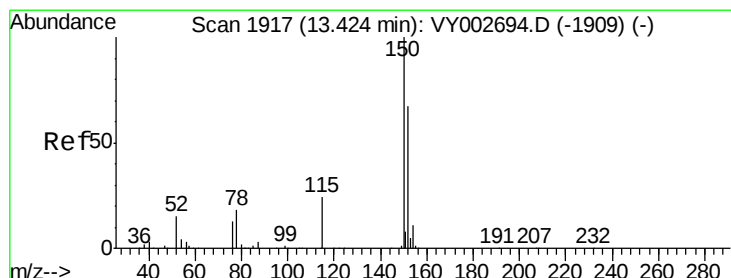
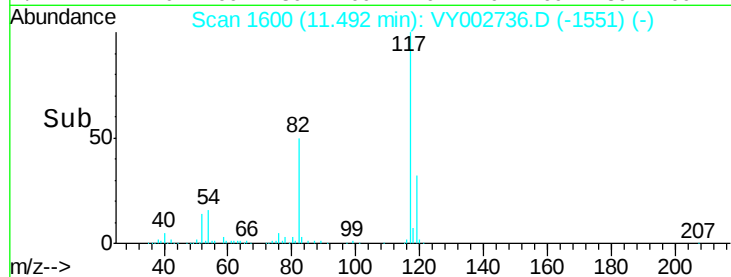
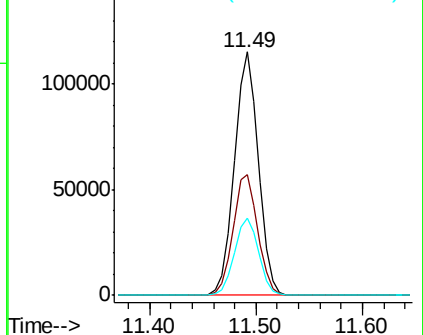


Abundance

Ion 116.90 (116.60 to 117.60): V

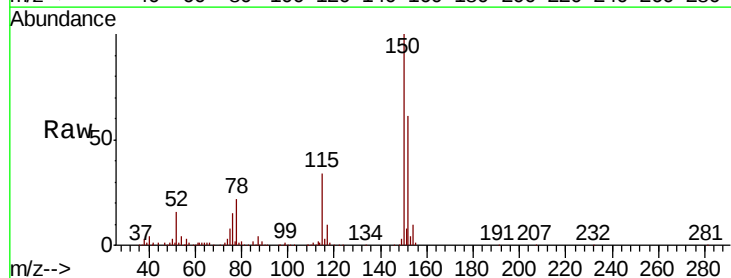
Ion 82.00 (81.70 to 82.70): VY0

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: VY002736.D
Acq: 21 May 2020 12:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.2	81.6
150	157.6	0.0	343.8

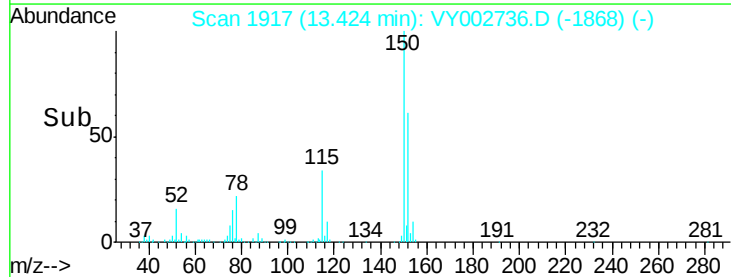
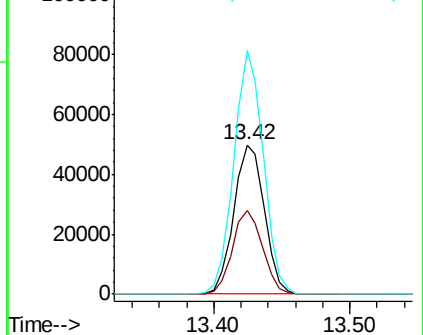


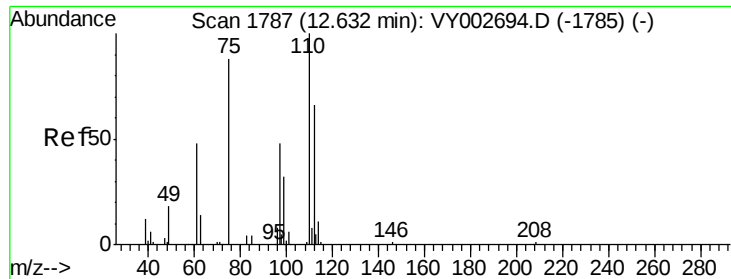
Abundance

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: 52.311 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

Instrument :

MSVOA_Y

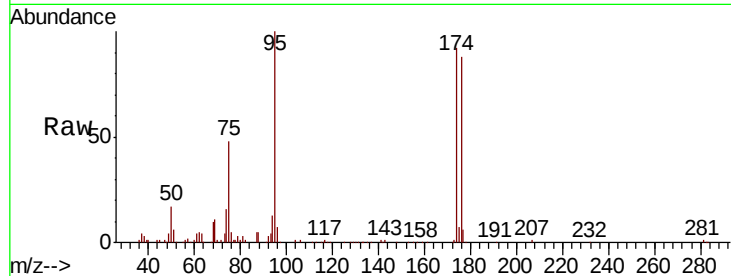
ClientSampled :

Tot Ion: 75 Resp: 33488

Ion Ratio Lower Upper

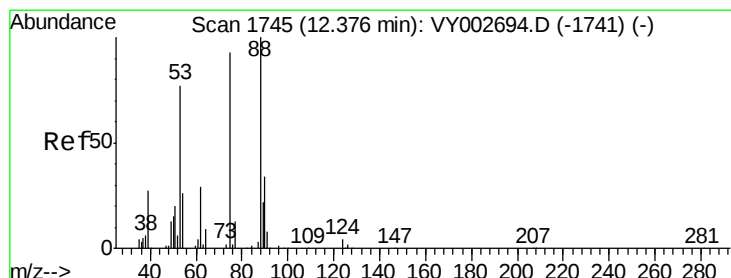
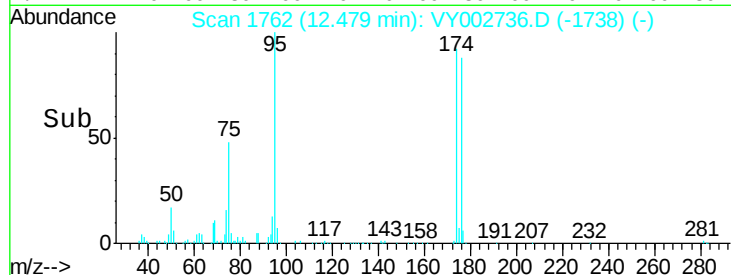
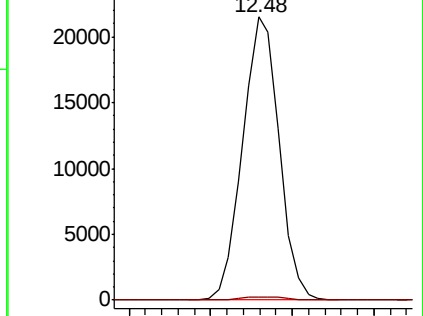
75 100

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: 98.931 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

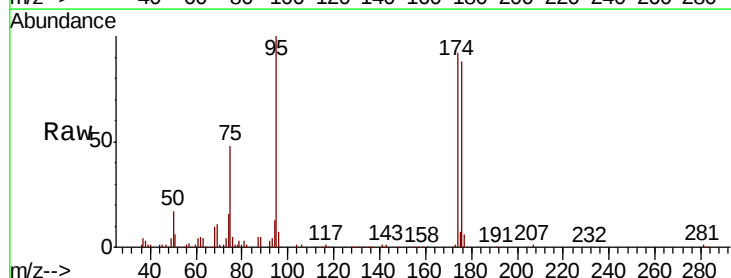
Tgt Ion: 75 Resp: 33488

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

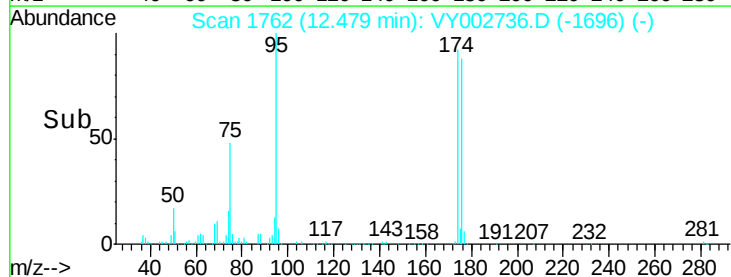
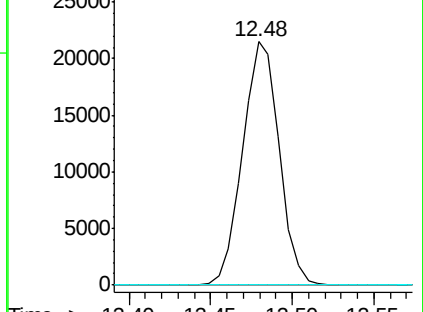
89 0.1 66.6 99.8#

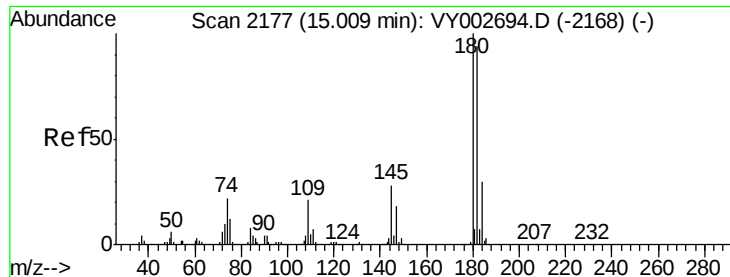


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

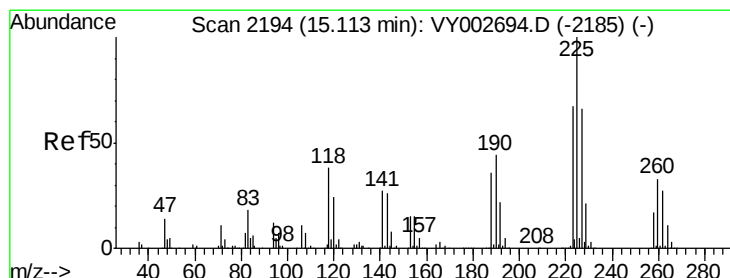
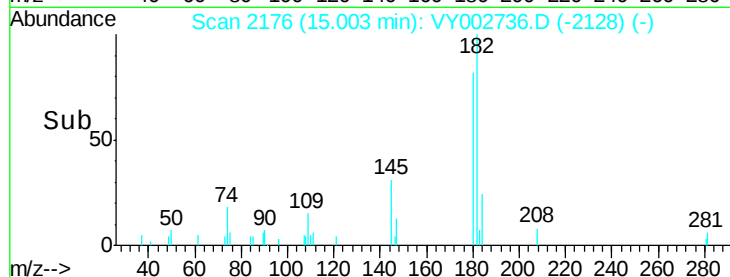
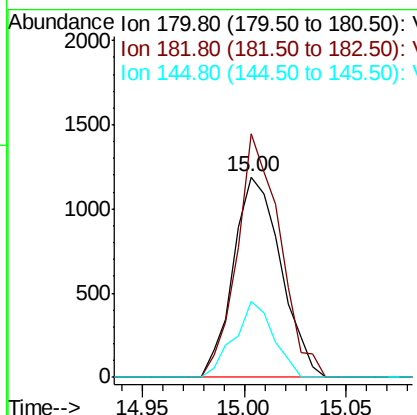
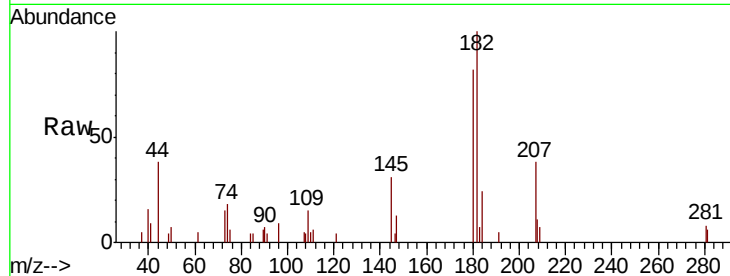




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY002736.D
 Acq: 21 May 2020 12:38

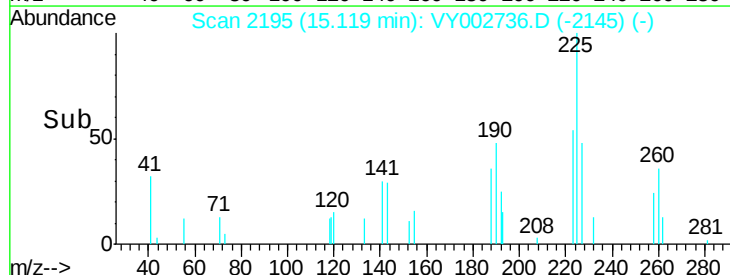
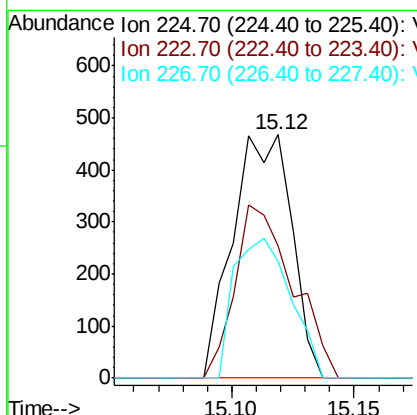
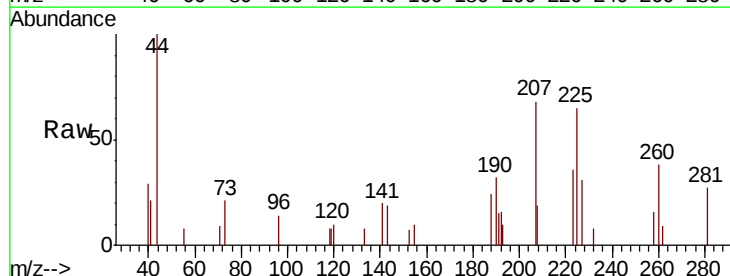
Instrument :
 MSVOA_Y
 ClientSampleId :

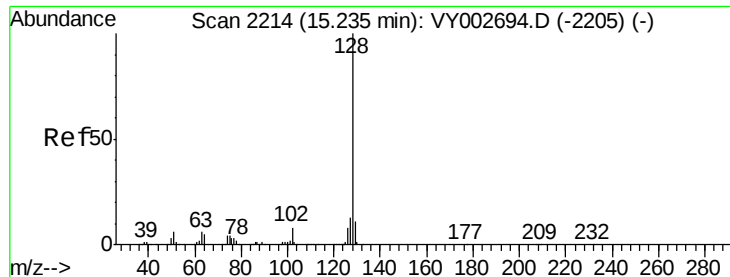
Tot Ion:180 Resp: 1924
 Ion Ratio Lower Upper
 180 100
 182 108.9 47.3 142.0
 145 31.4 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY002736.D
 Acq: 21 May 2020 12:38

Tgt Ion:225 Resp: 784
 Ion Ratio Lower Upper
 225 100
 223 69.8 31.6 94.8
 227 55.5 32.2 96.6





#95

Naphthalene

Concen: 1.935 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002736.D

Acq: 21 May 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

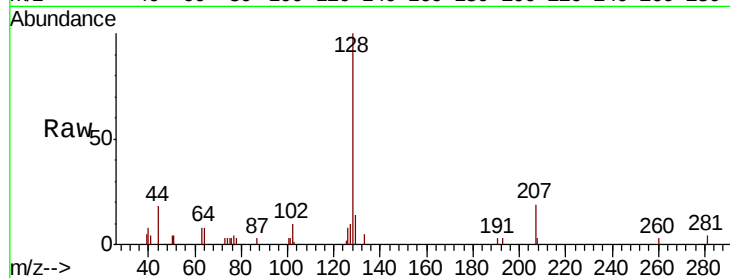
Tot Ion:128 Resp: 5867

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

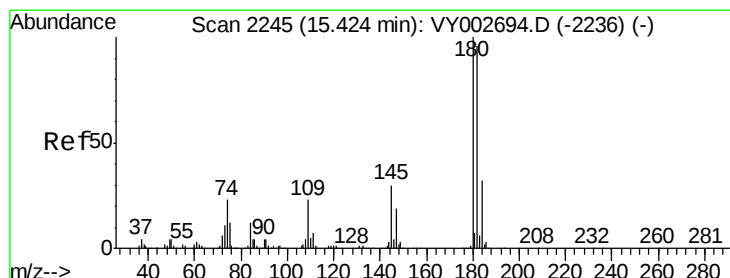
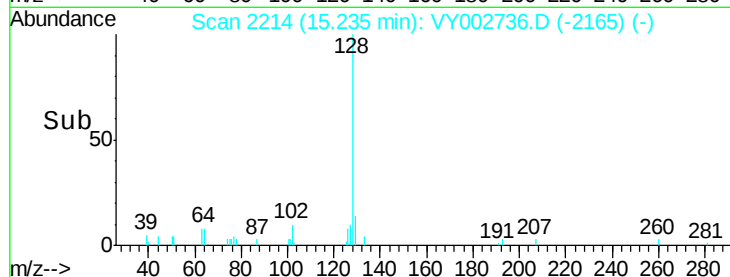
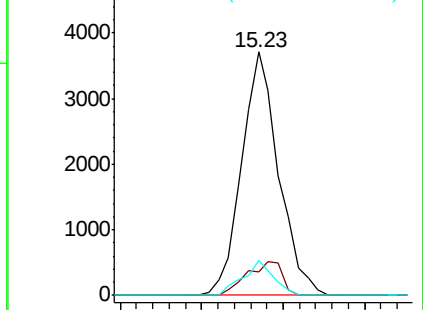
129 11.7 8.7 13.1



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: VY002736.D

Acq: 21 May 2020 12:38

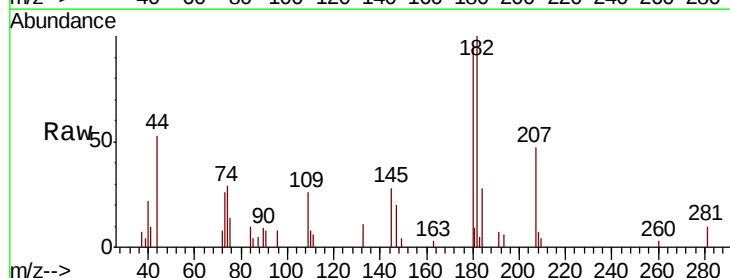
Tgt Ion:180 Resp: 2661

Ion Ratio Lower Upper

180 100

182 86.1 47.6 142.9

145 31.2 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

