

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002741.D
 Acq On : 21 May 2020 15:16
 Operator : SY/MD
 Sample : L2728-13
 Misc : 12.10G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 17:04:47 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	323596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	515996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	474385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	238445	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	151765	59.96	ug/l	0.00
Spiked Amount			Recovery	=	119.92%	
35) Dibromofluoromethane	7.72	113	157137	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
50) Toluene-d8	10.18	98	607258	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.48	95	203617	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

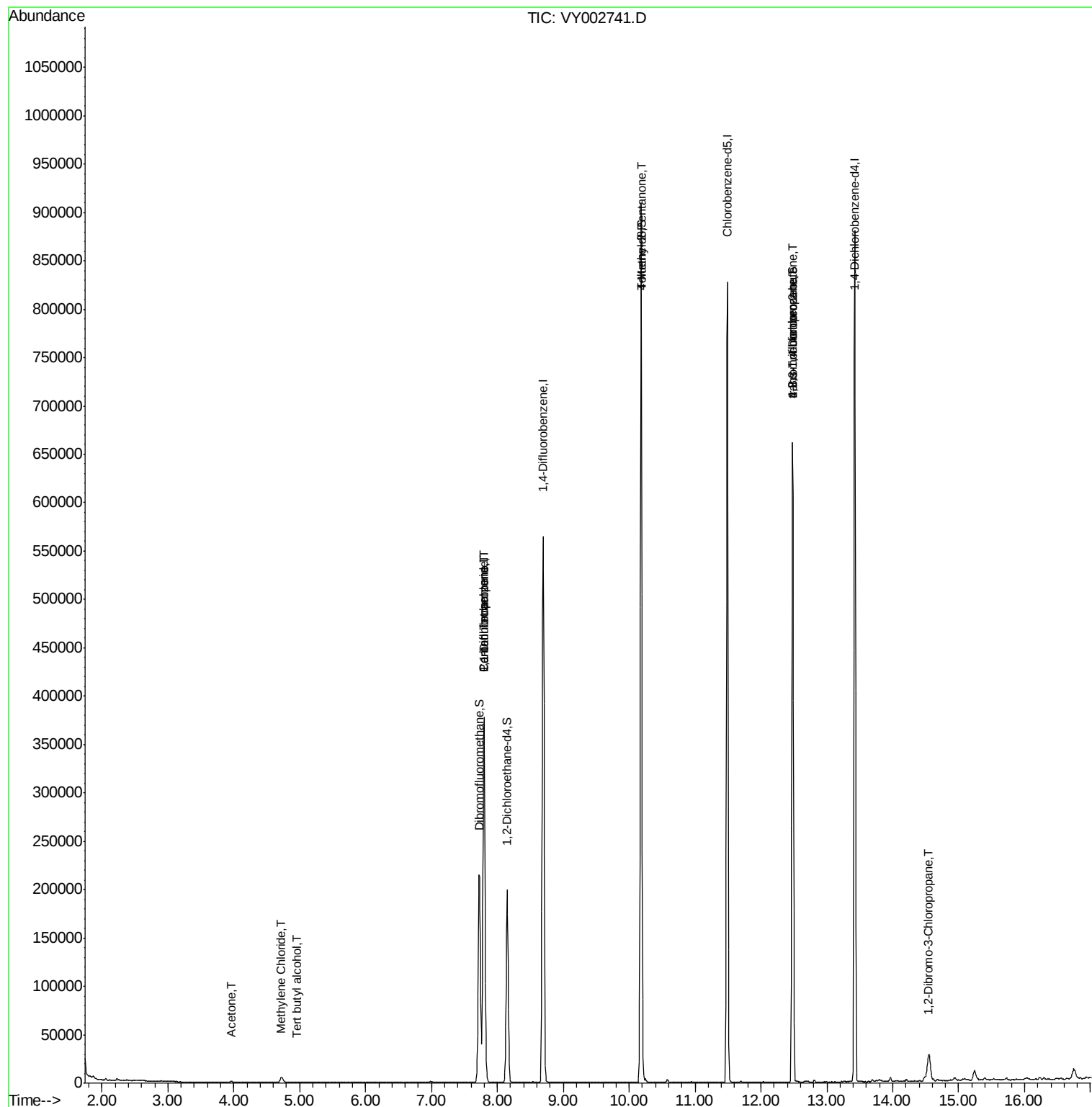
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	476	1.852	ug/l #	74
16) Acetone	3.96	43	1783	3.417	ug/l	88
20) Methylene Chloride	4.72	84	4689	1.487	ug/l	94
36) 1,1-Dichloropropene	7.80	75	20222	4.629	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28526	6.076	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	2096	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	96670	49.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96670	93.337	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.53	75	524	1.191	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.02	180	153	Below Cal	#	79
96) 1,2,3-Trichlorobenzene	15.42	180	180	Below Cal	#	57

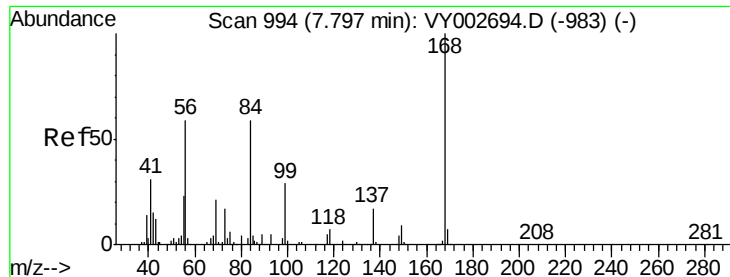
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
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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: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

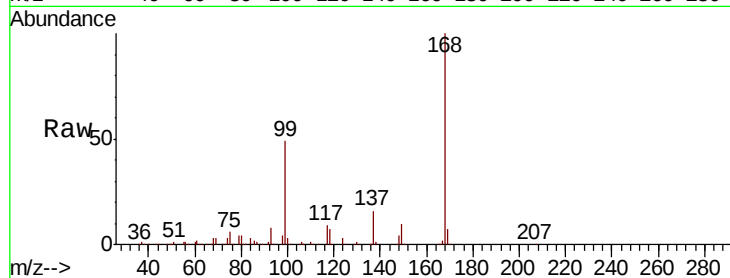
ClientSampleId :

Tot Ion:168 Resp: 323596

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002741.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002741.D (-945) (-)

7.80

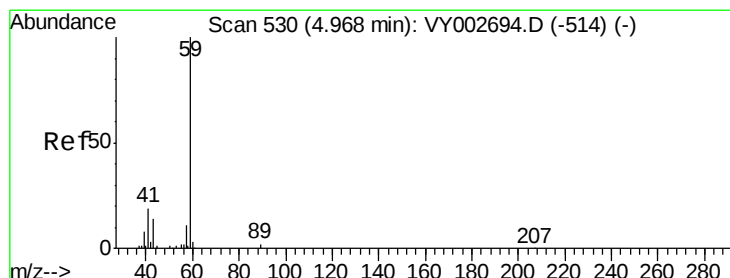
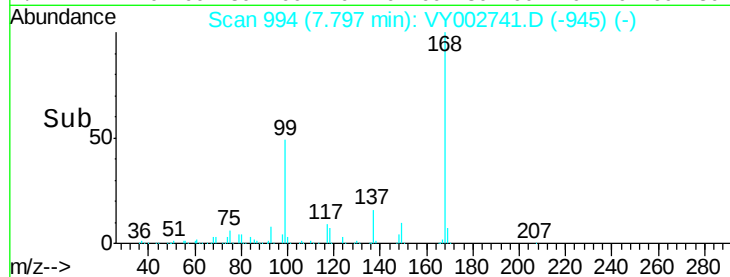
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.852 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002741.D

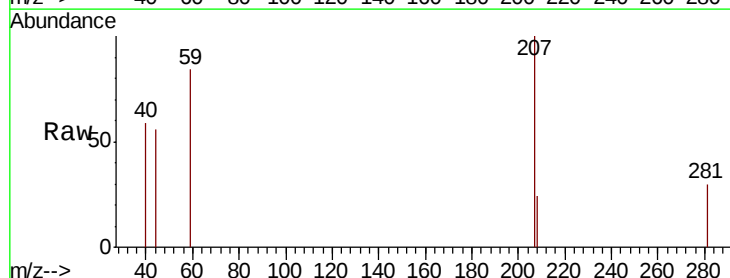
Acq: 21 May 2020 15:16

Tgt Ion: 59 Resp: 476

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002741.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002741.D (-481) (-)

4.95

250

200

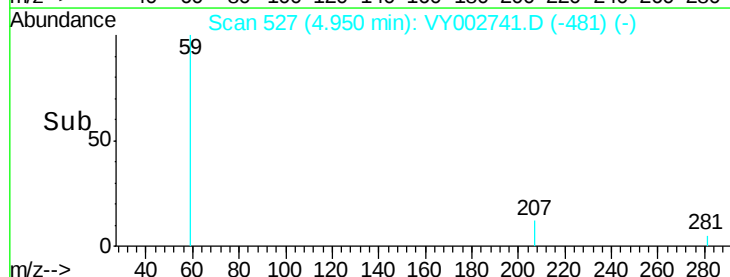
150

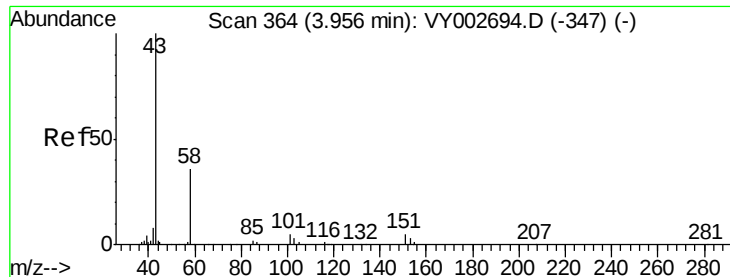
100

50

0

Time-->





#16

Acetone

Concen: 3.417 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

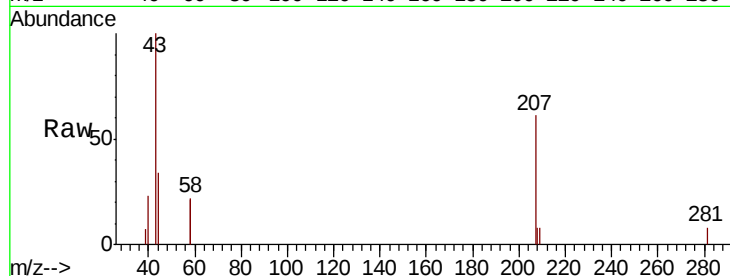
ClientSampleId :

Tot Ion: 43 Resp: 1783

Ion Ratio Lower Upper

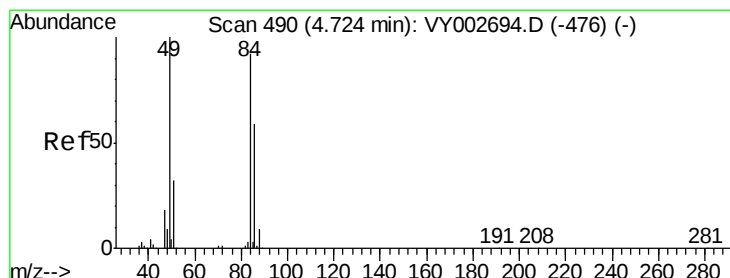
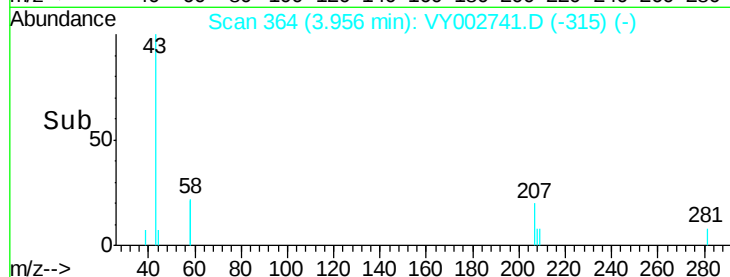
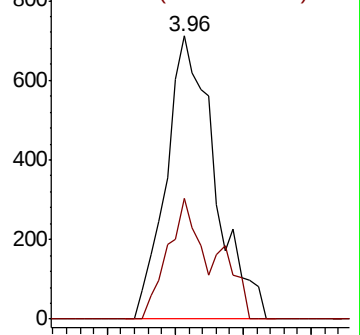
43 100

58 42.8 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 1.487 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Tgt Ion: 84 Resp: 4689

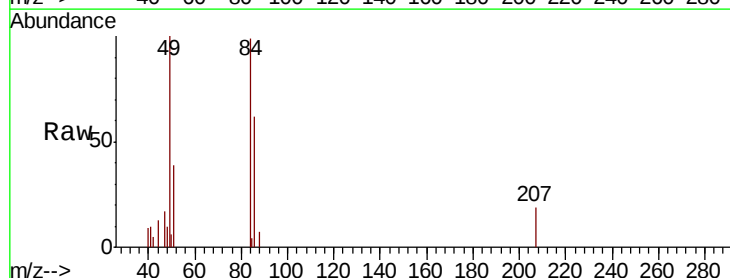
Ion Ratio Lower Upper

84 100

49 101.0 87.4 131.0

51 39.0 27.9 41.9

86 62.3 51.7 77.5

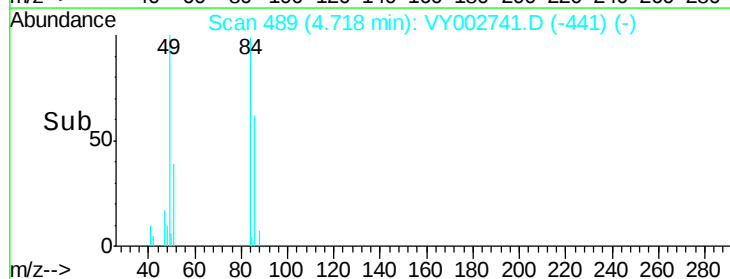
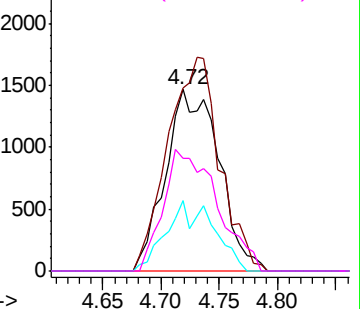


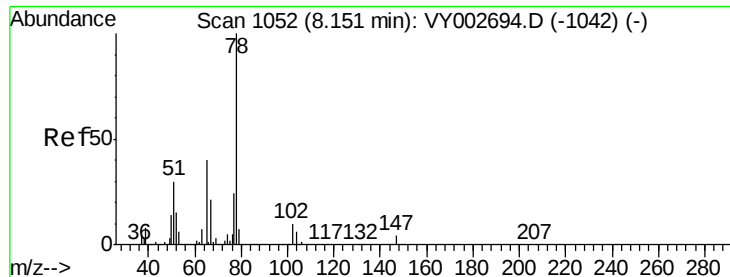
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

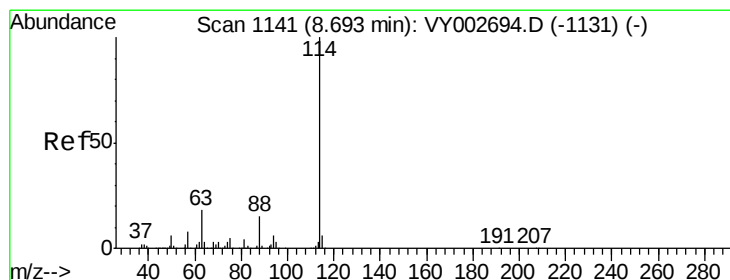
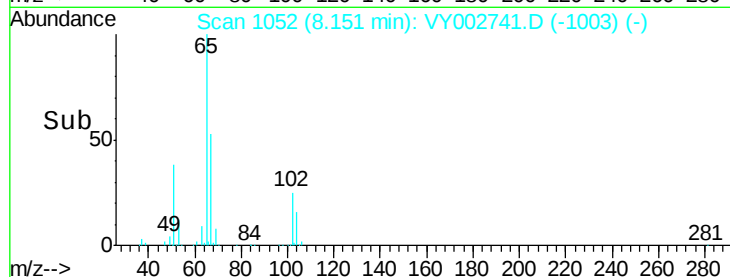
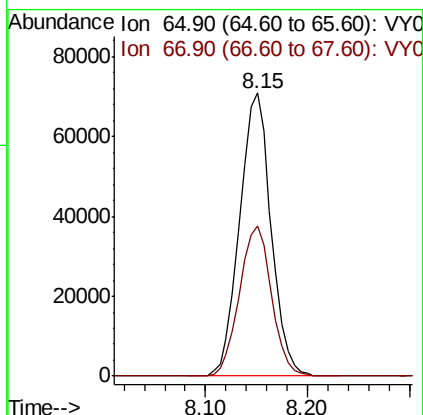
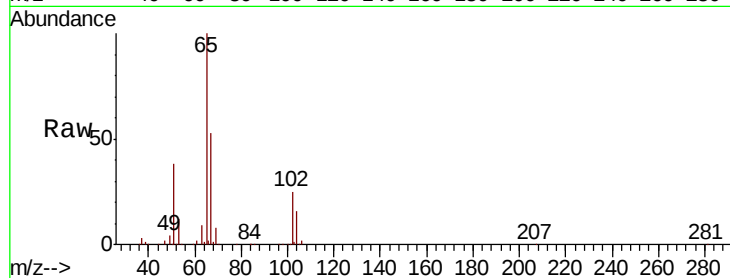




#33
 1,2-Dichloroethane-d4
 Concen: 59.958 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002741.D
 Acq: 21 May 2020 15:16

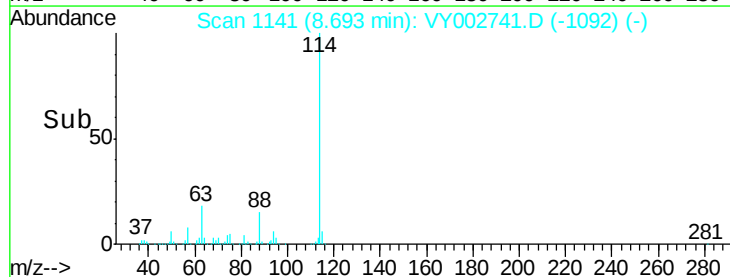
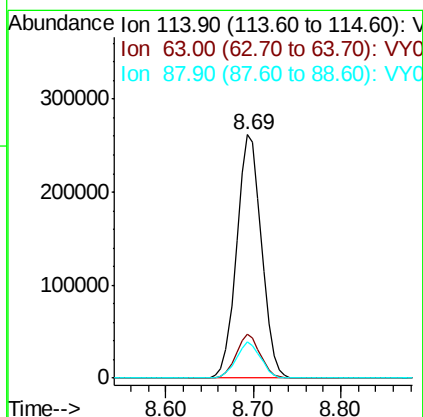
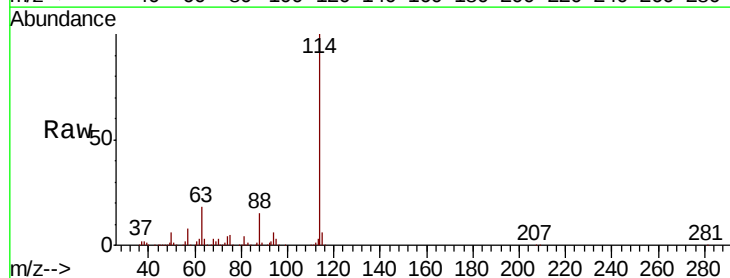
Instrument :
 MSVOA_Y
 ClientSampleId :

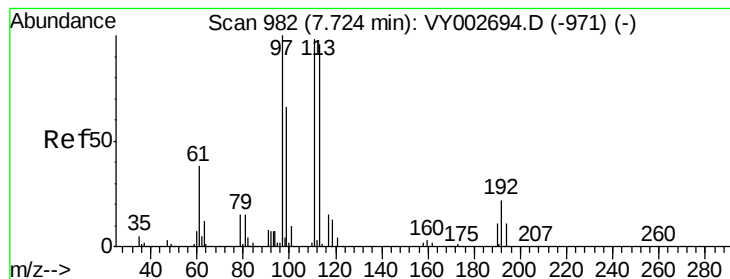
Tot Ion: 65 Resp: 151765
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002741.D
 Acq: 21 May 2020 15:16

Tgt Ion: 114 Resp: 515996
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.4
 88 14.8 0.0 29.4





#35

Dibromofluoromethane

Concen: 55.181 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

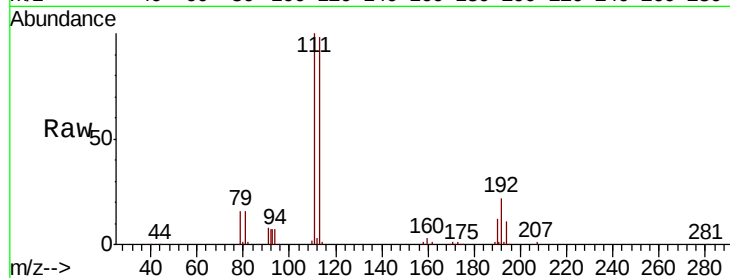
Tot Ion:113 Resp: 157137

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

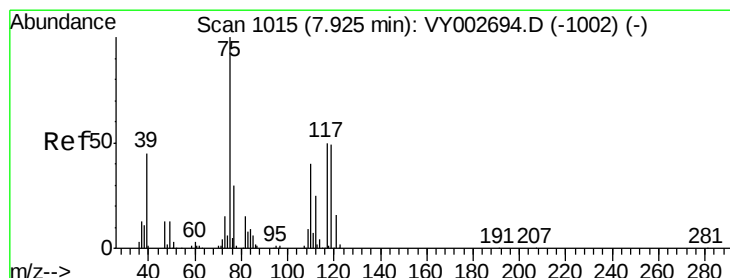
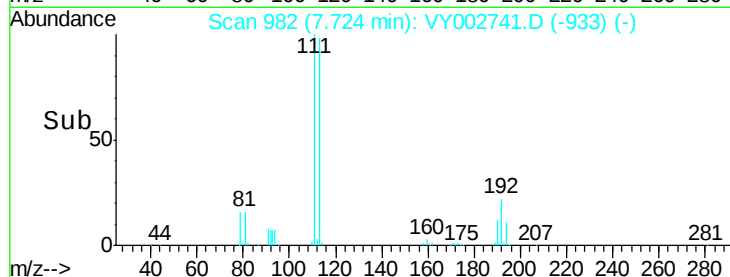
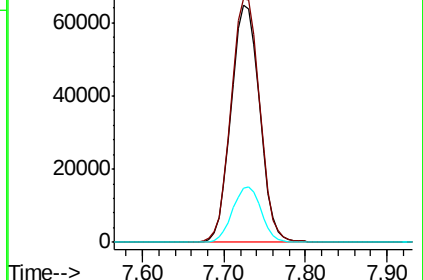
192 23.3 18.6 27.8



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: 4.629 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

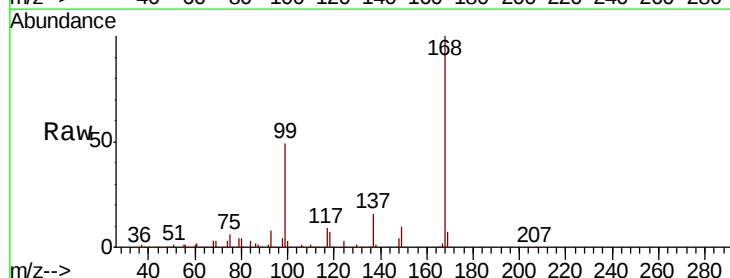
Tgt Ion: 75 Resp: 20222

Ion Ratio Lower Upper

75 100

110 10.3 19.4 58.4#

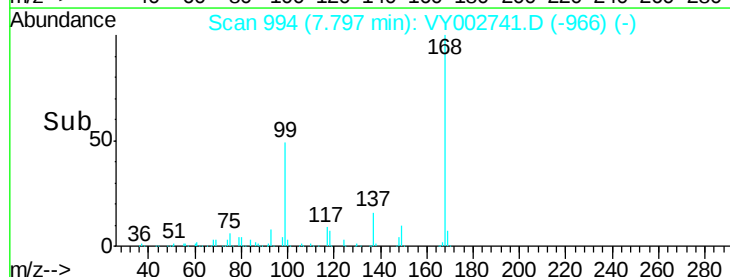
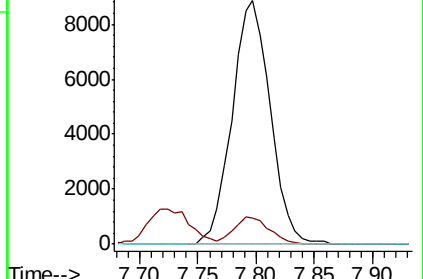
77 0.0 25.0 37.4#

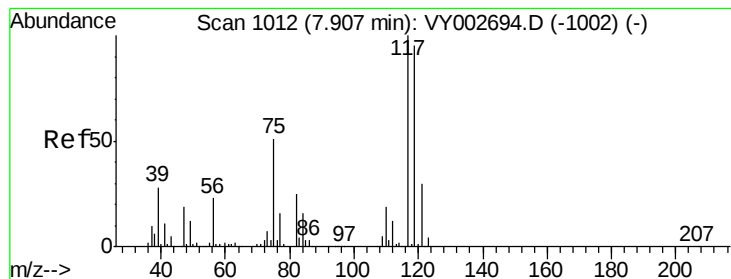


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.076 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

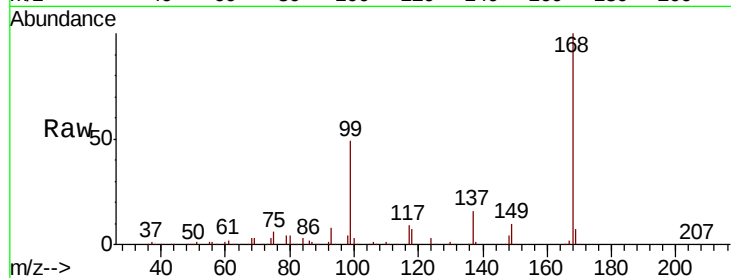
Tot Ion:117 Resp: 28526

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

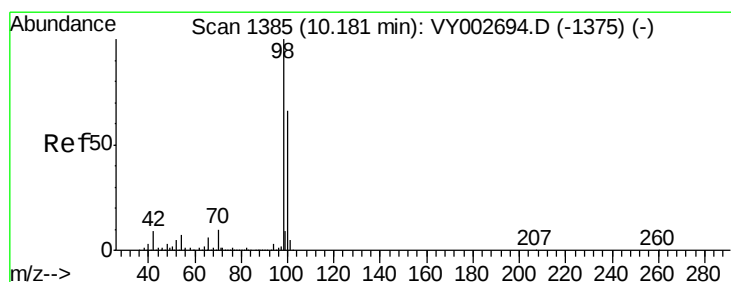
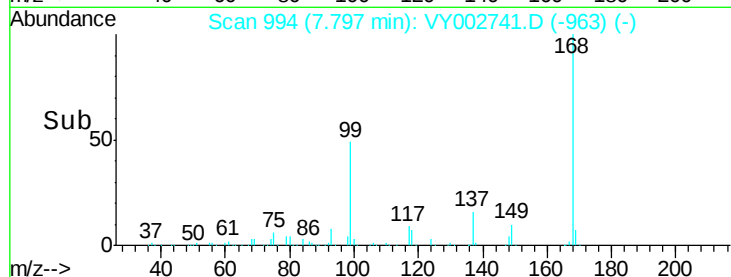
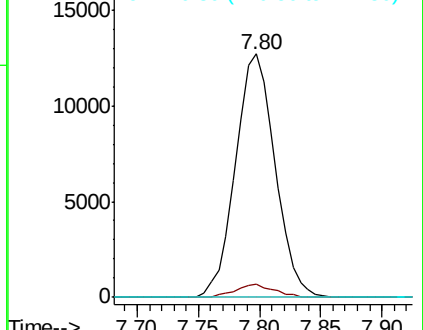
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.967 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002741.D

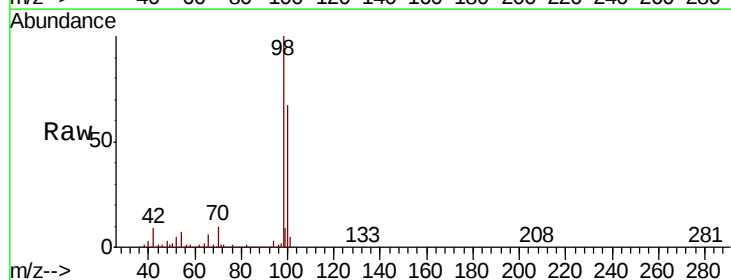
Acq: 21 May 2020 15:16

Tgt Ion: 98 Resp: 607258

Ion Ratio Lower Upper

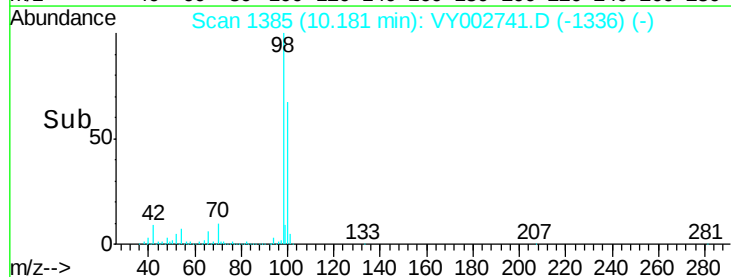
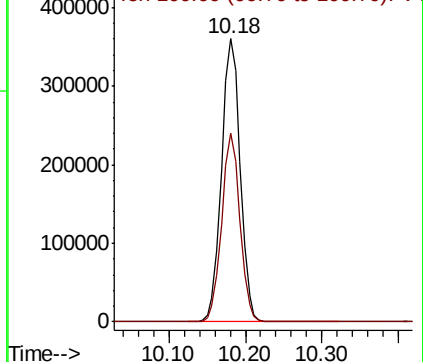
98 100

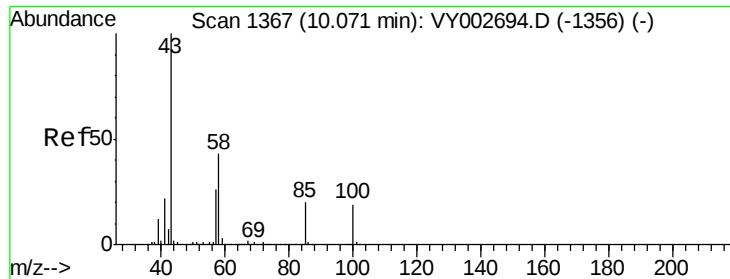
100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

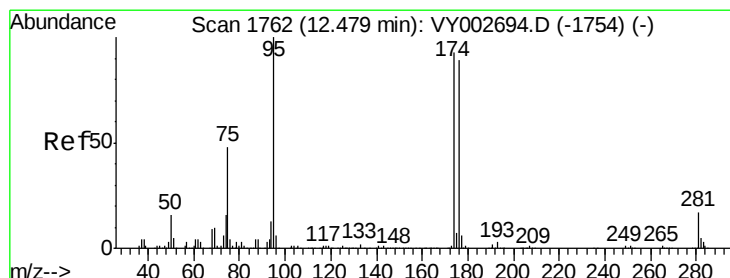
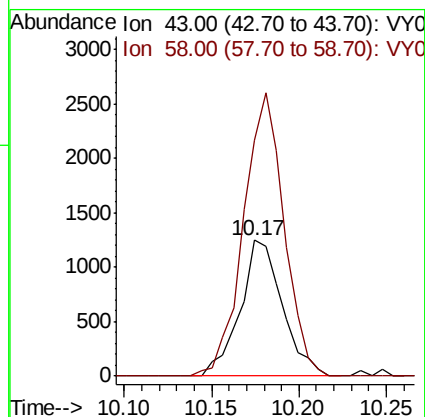
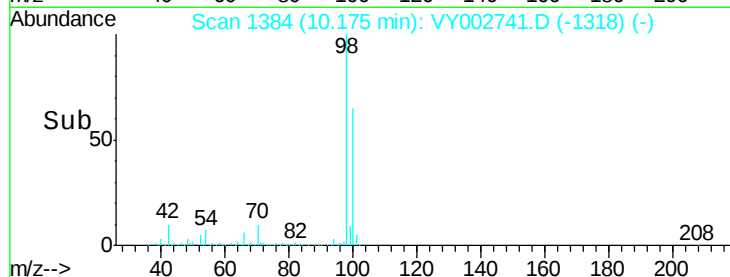
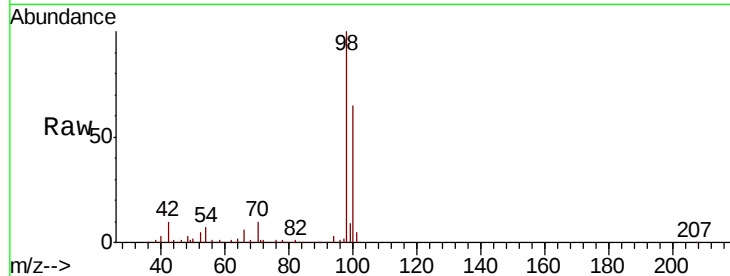
ClientSampleId :

Tot Ion: 43 Resp: 2096

Ion Ratio Lower Upper

43 100

58 200.0 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 51.672 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

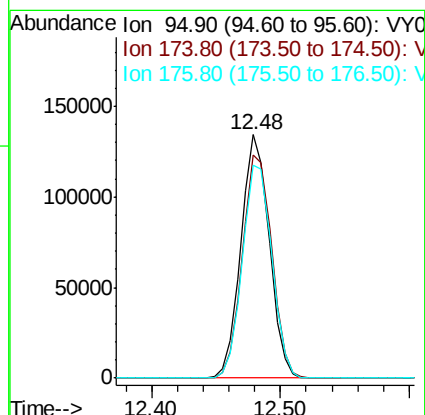
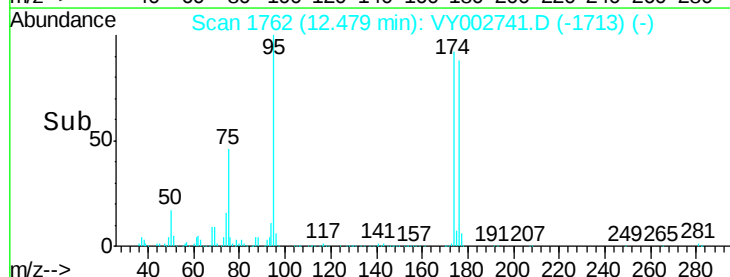
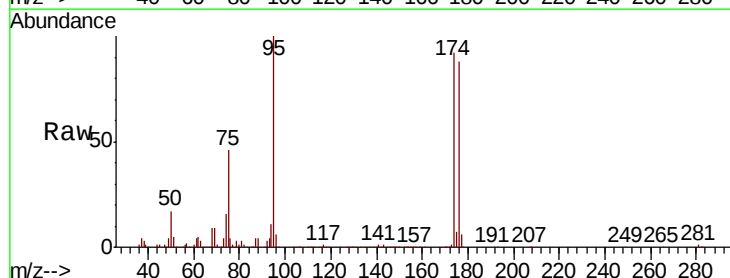
Tgt Ion: 95 Resp: 203617

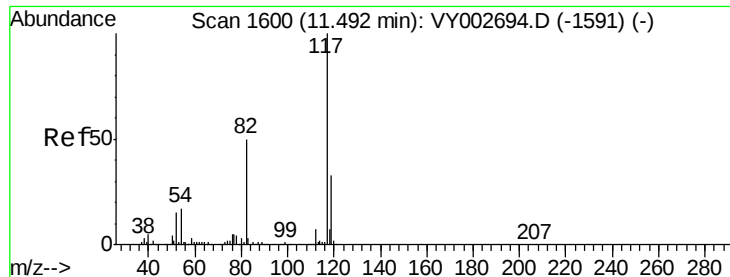
Ion Ratio Lower Upper

95 100

174 95.4 0.0 191.4

176 91.6 0.0 186.0

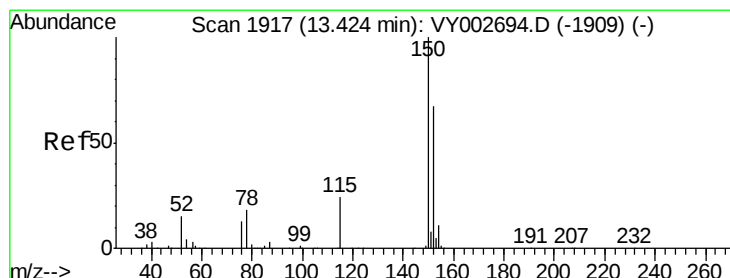
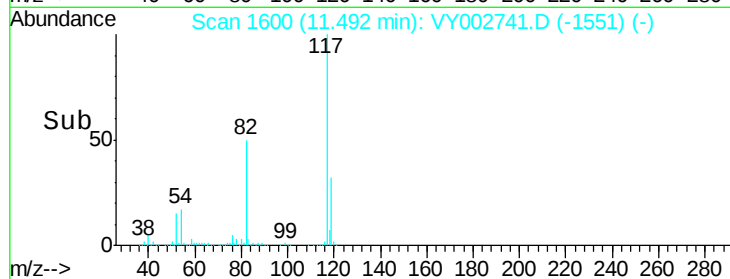
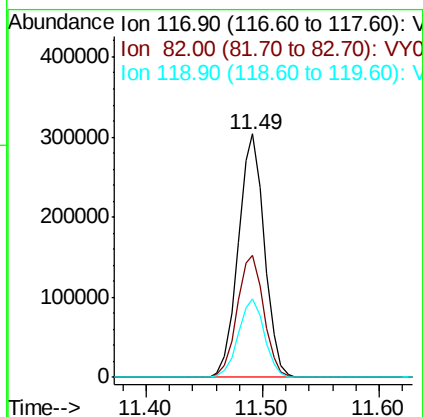
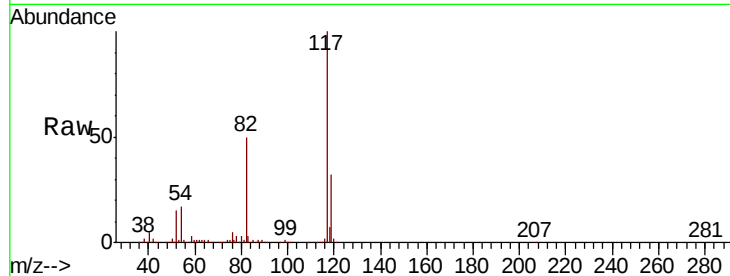




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002741.D
Acq: 21 May 2020 15:16

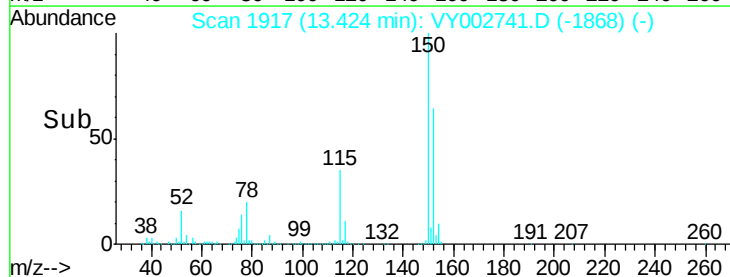
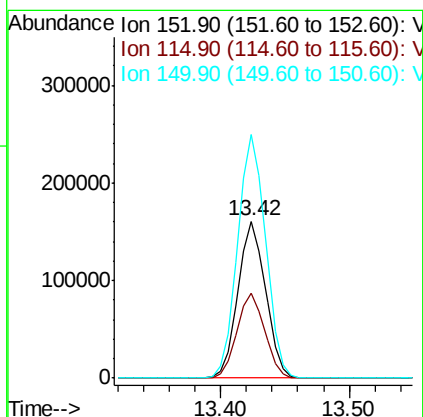
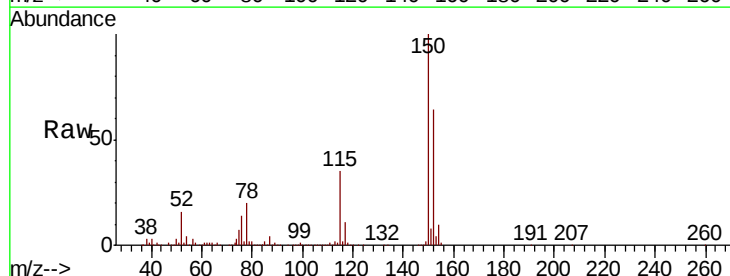
Instrument :
MSVOA_Y
ClientSampleId :

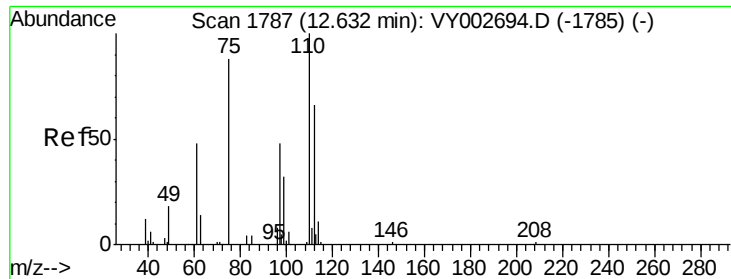
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.3	60.5
119	32.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002741.D
Acq: 21 May 2020 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.2	81.6
150	157.4	0.0	343.8

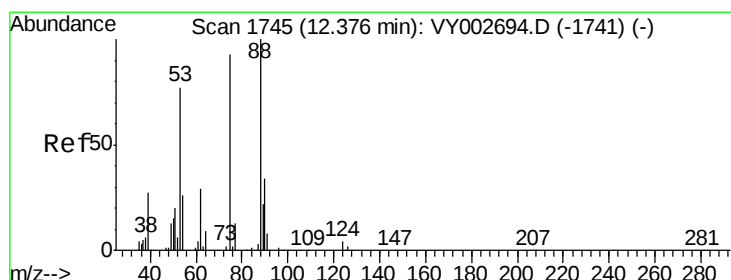
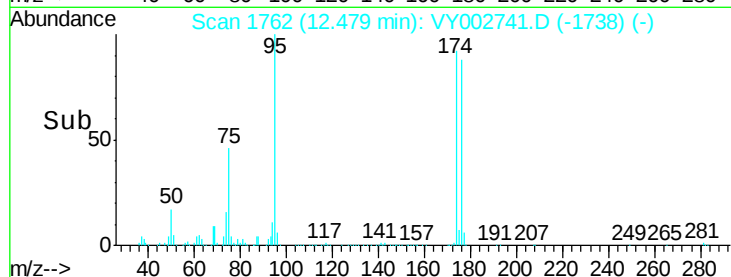
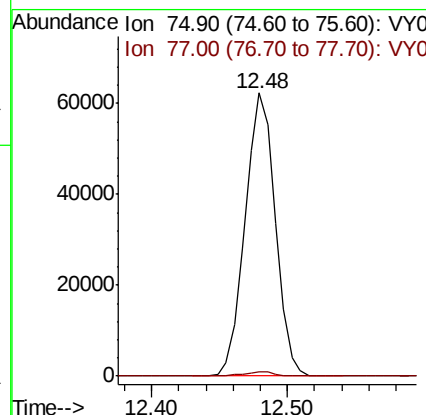
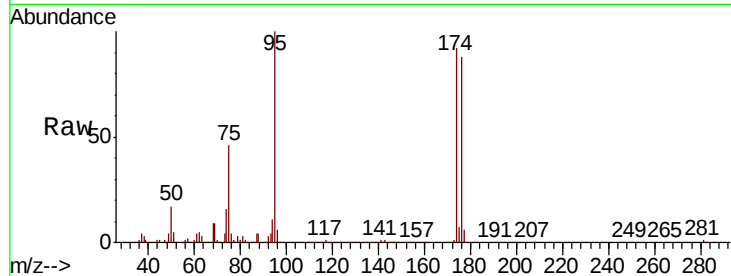




#76
 1,2,3-Trichloropropane
 Concen: 49.353 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY002741.D
 Acq: 21 May 2020 15:16

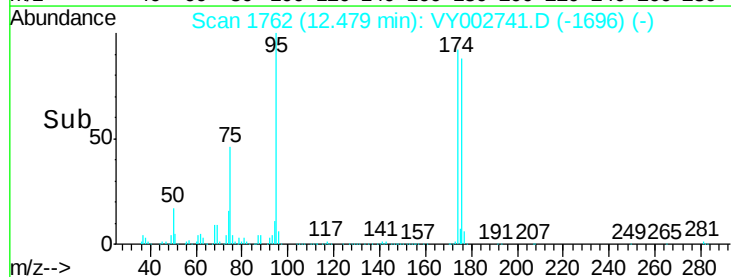
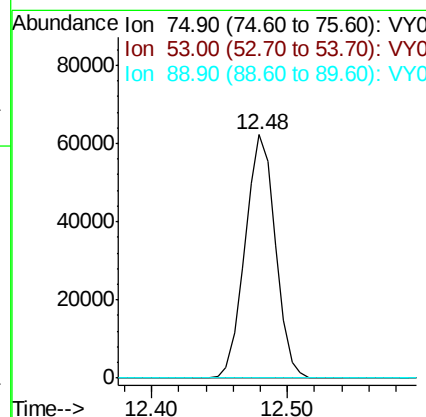
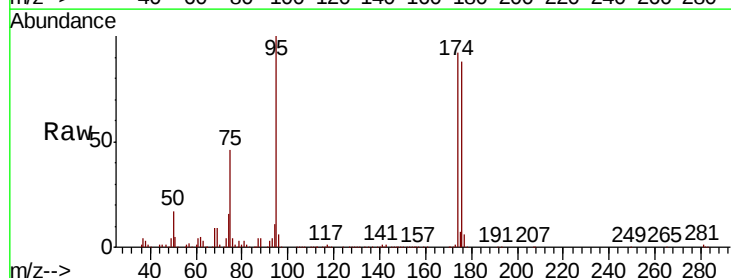
Instrument :
 MSVOA_Y
 ClientSampleId :

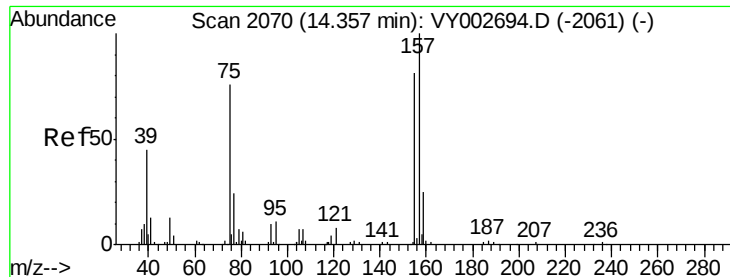
Tot Ion: 75 Resp: 96670
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.337 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY002741.D
 Acq: 21 May 2020 15:16

Tgt Ion: 75 Resp: 96670
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.6#
 89 0.0 66.6 99.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.191 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.17 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

Instrument :

MSVOA_Y

ClientSampleId :

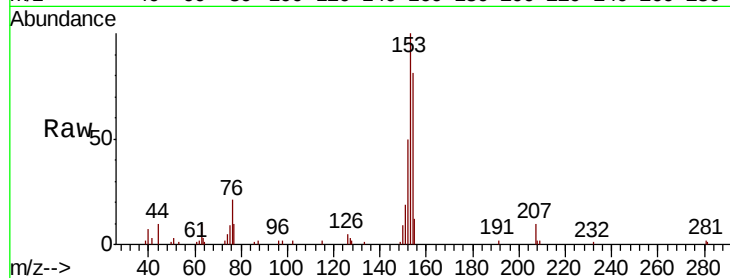
Tot Ion: 75 Resp: 524

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.7#

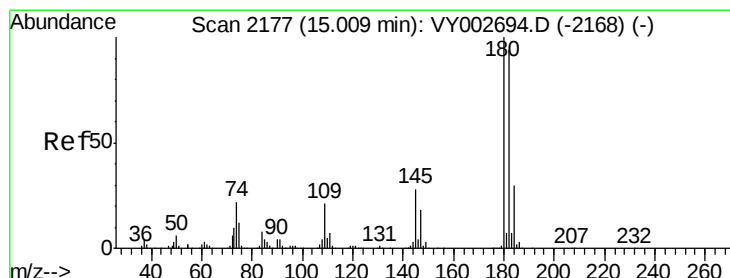
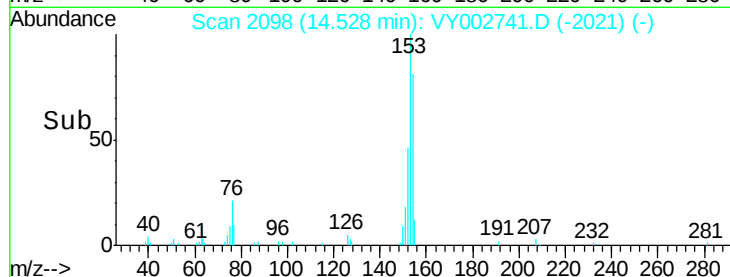
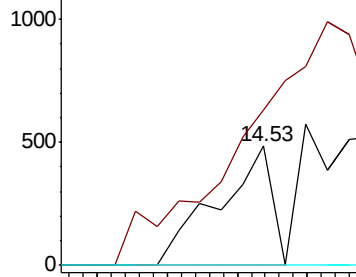
157 0.0 67.9 203.7#



Abundance Ion 74.90 (74.60 to 75.60): VY002741.D (-2098) (-)

Ion 154.80 (154.50 to 155.50): VY002741.D (-2098) (-)

Ion 156.80 (156.50 to 157.50): VY002741.D (-2098) (-)



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.02 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VY002741.D

Acq: 21 May 2020 15:16

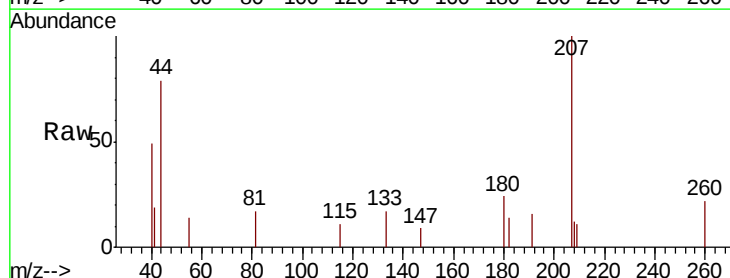
Tgt Ion: 180 Resp: 153

Ion Ratio Lower Upper

180 100

182 105.9 47.3 142.0

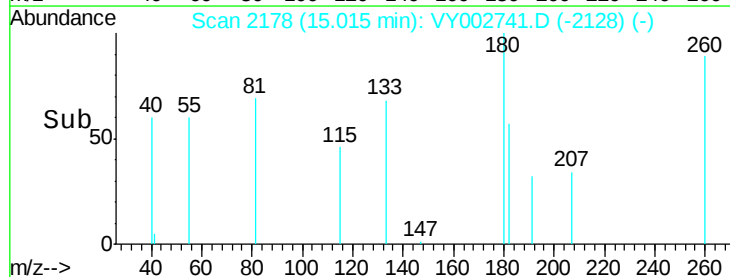
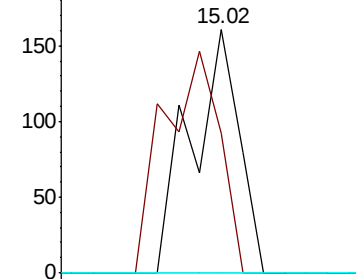
145 0.0 14.1 42.2#

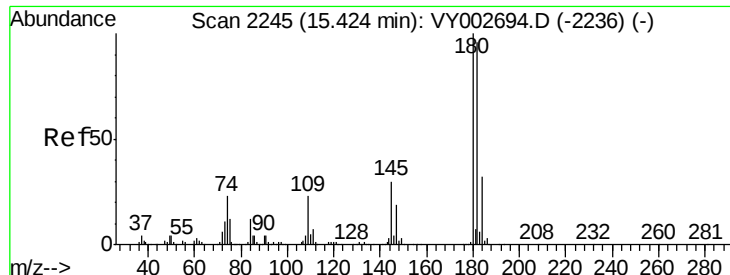


Abundance Ion 179.80 (179.50 to 180.50): VY002741.D (-2178) (-)

Ion 181.80 (181.50 to 182.50): VY002741.D (-2178) (-)

Ion 144.80 (144.50 to 145.50): VY002741.D (-2178) (-)

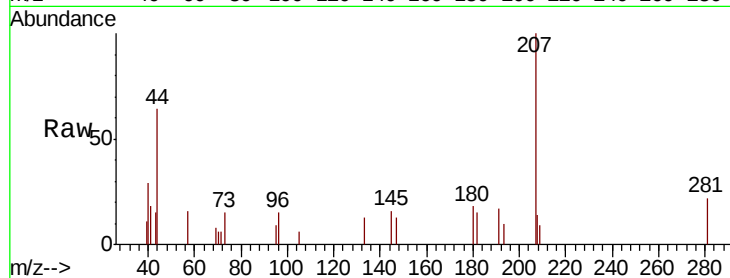




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VY002741.D
 Acq: 21 May 2020 15:16

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 180
 Ion Ratio Lower Upper
 180 100
 182 115.0 47.6 142.9
 145 92.8 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

