

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002743.D
 Acq On : 21 May 2020 16:05
 Operator : SY/MD
 Sample : L2728-07RE
 Misc : 6.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 17:05:11 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	318575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	508260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	459398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	226742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	147163	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
35) Dibromofluoromethane	7.72	113	152851	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
50) Toluene-d8	10.18	98	594834	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.48	95	195612	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

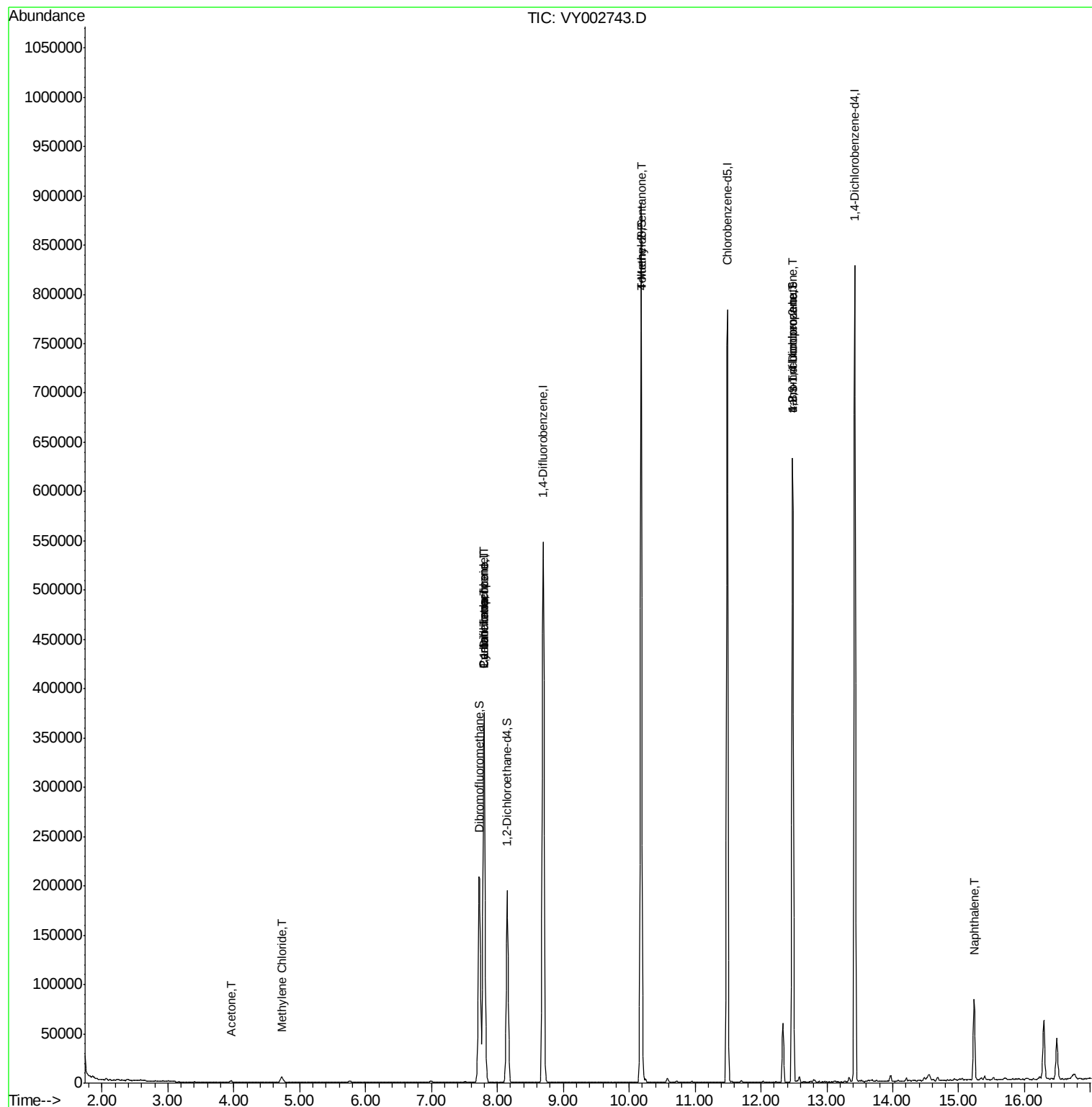
					Qvalue	
16) Acetone	3.96	43	2775	5.402	ug/l	93
20) Methylene Chloride	4.72	84	4810	1.549	ug/l	85
31) Cyclohexane	7.79	56	5095	1.056	ug/l #	17
36) 1,1-Dichloropropene	7.80	75	19538	4.541	ug/l #	48
38) Carbon Tetrachloride	7.80	117	27967	6.048	ug/l #	16
51) 4-Methyl-2-Pentanone	10.18	43	2055	1.012	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	92539	49.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	92539	93.960	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.01	180	121	Below Cal	#	77
95) Naphthalene	15.23	128	66782	7.571	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	35	Below Cal	#	1

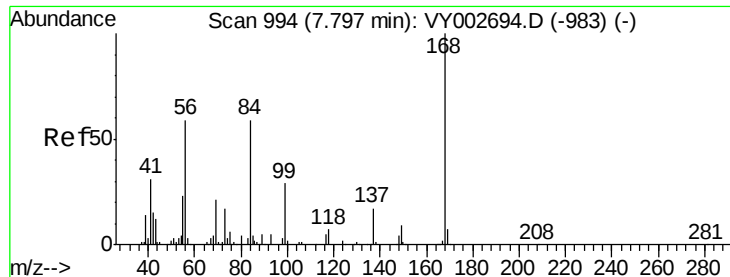
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

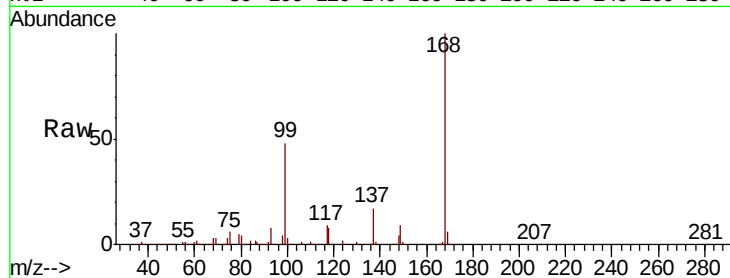
ClientSampleId :

Tot Ion:168 Resp: 318575

Ion Ratio Lower Upper

168 100

99 48.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002743.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002743.D (-945) (-)

7.80

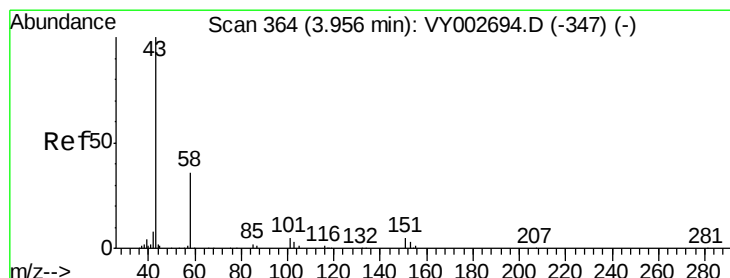
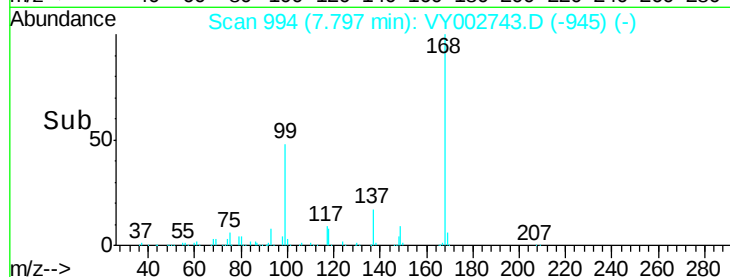
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.402 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002743.D

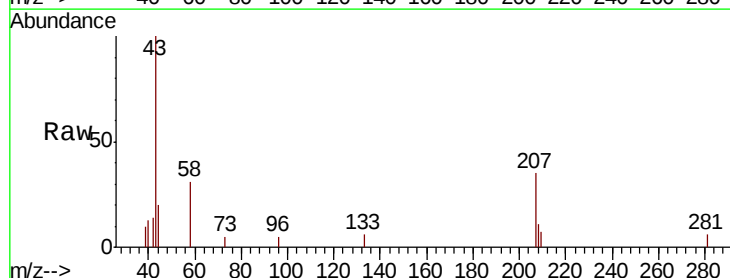
Acq: 21 May 2020 16:05

Tgt Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

58 31.4 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY002743.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002743.D (-315) (-)

3.96

1000

800

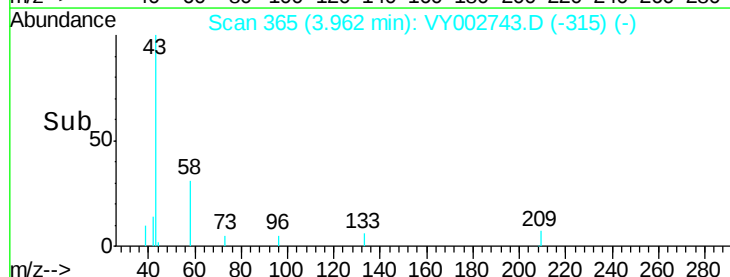
600

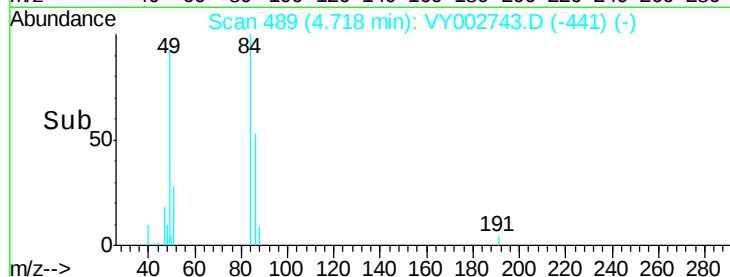
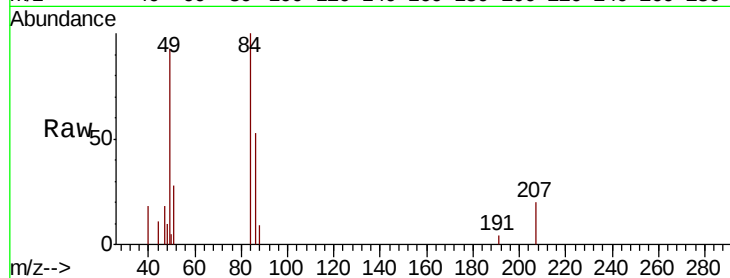
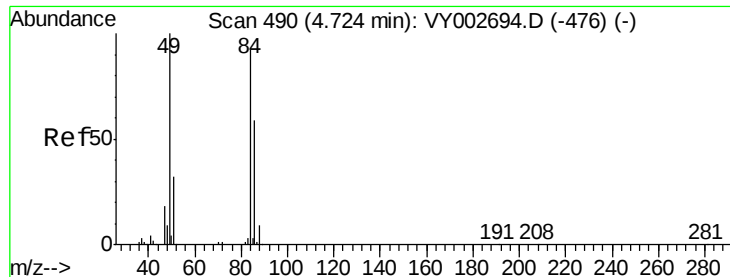
400

200

0

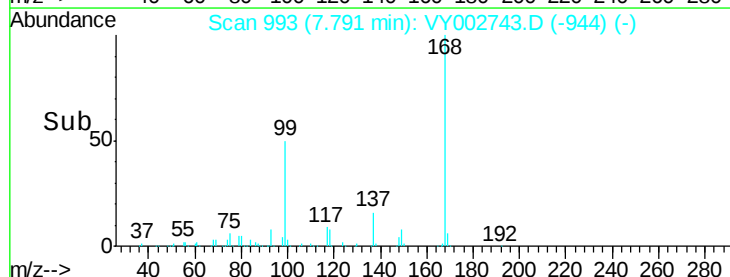
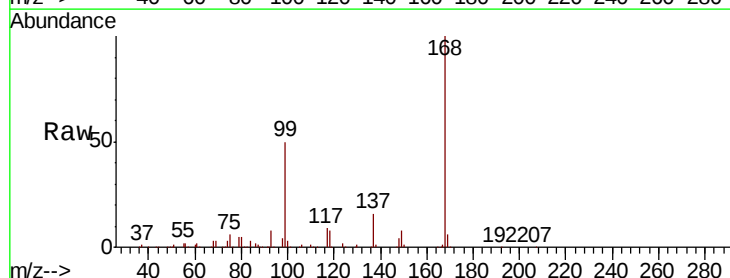
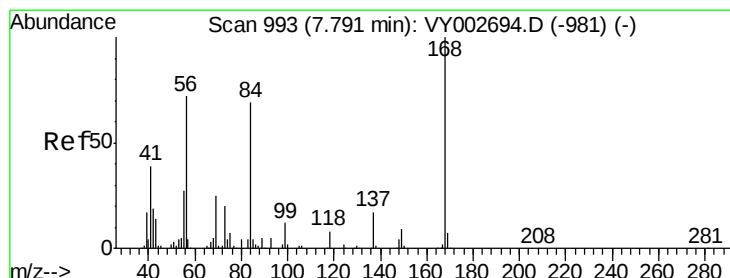
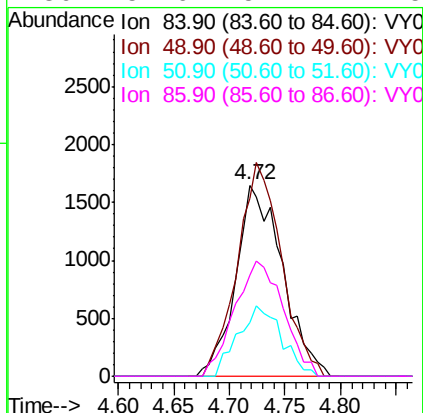
Time-->





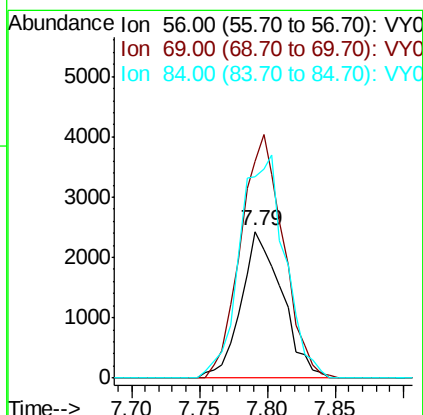
#20
Methvlene Chloride
Concen: 1.549 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY002743.D
Acq: 21 May 2020 16:05

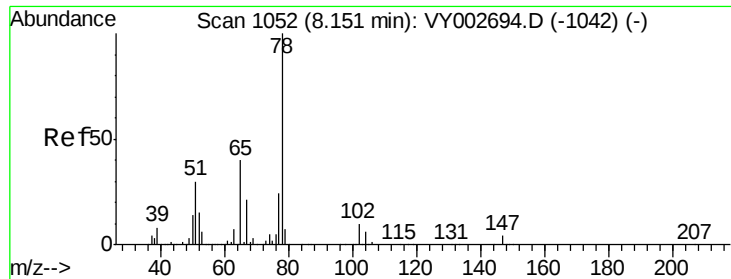
Tot Ion:	84	Resp:	4810
Ion	Ratio	Lower	Upper
84	100		
49	93.0	87.4	131.0
51	28.2	27.9	41.9
86	52.6	51.7	77.5



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY002743.D
Acq: 21 May 2020 16:05

Tgt Ion:	56	Resp:	5095
Ion	Ratio	Lower	Upper
56	100		
69	148.0	27.7	41.5#
84	137.2	77.0	115.4#





#33

1,2-Dichloroethane-d4

Concen: 59.056 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

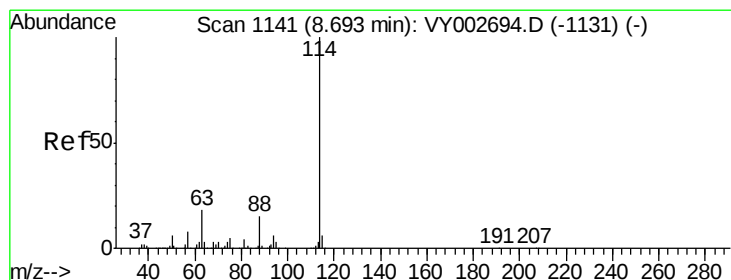
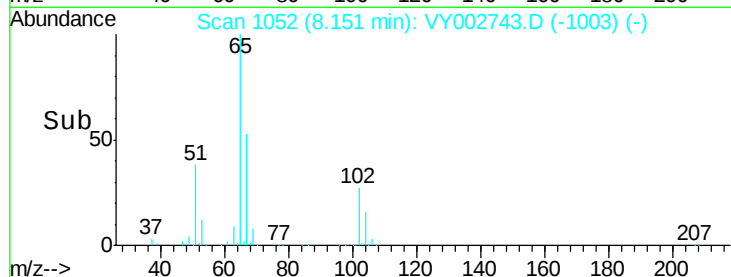
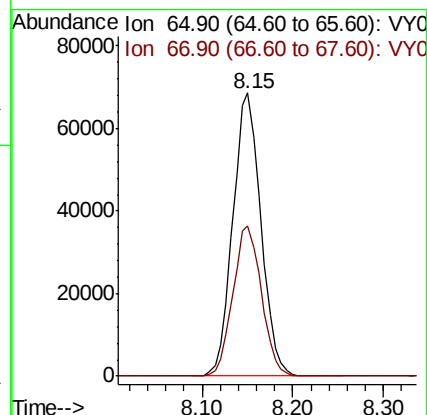
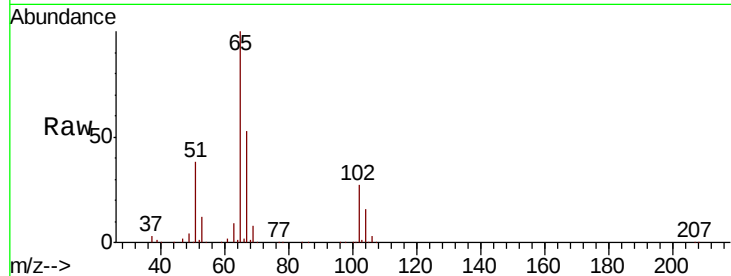
ClientSampleId :

Tot Ion: 65 Resp: 147163

Ion Ratio Lower Upper

65 100

67 54.0 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: VY002743.D

Acq: 21 May 2020 16:05

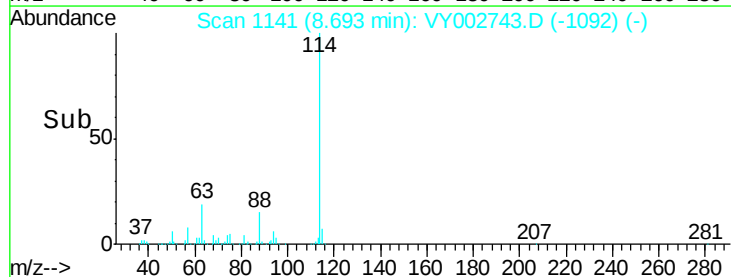
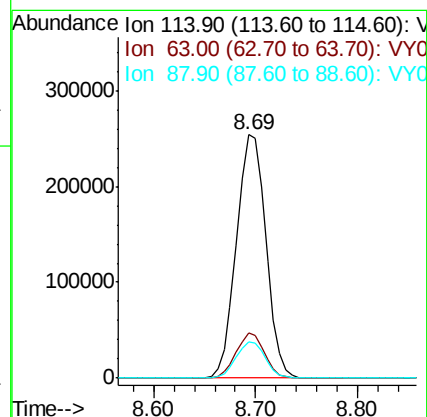
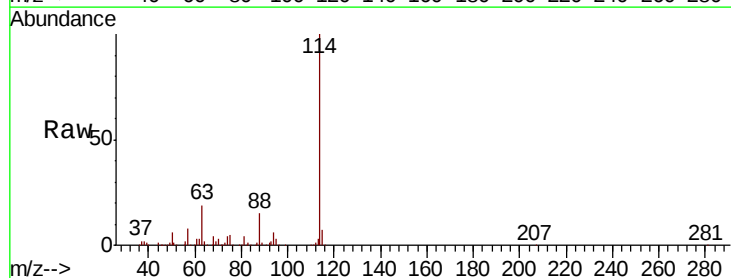
Tgt Ion: 114 Resp: 508260

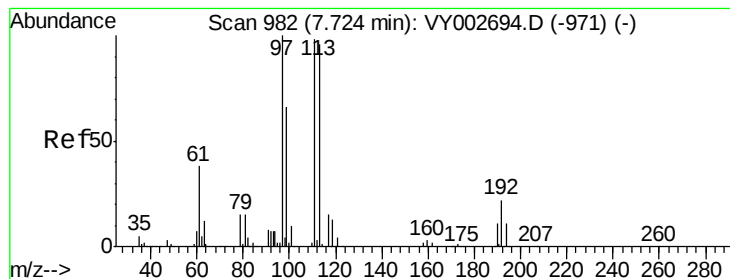
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.4

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 54.493 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

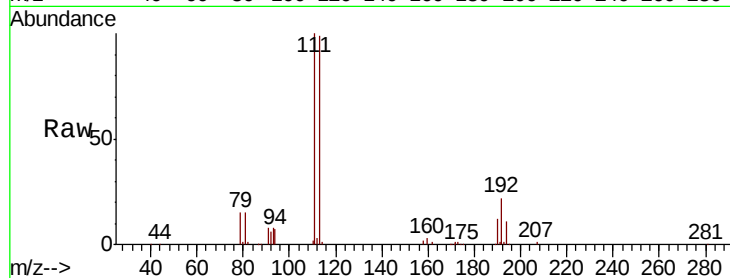
Tot Ion:113 Resp: 152851

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

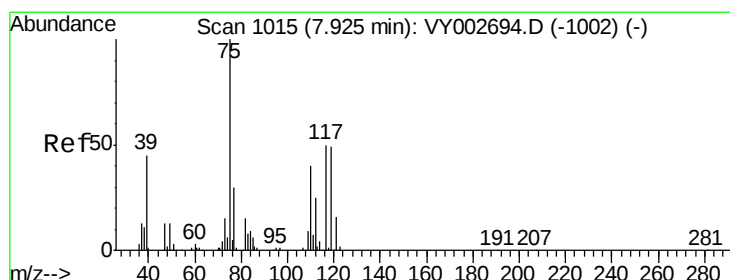
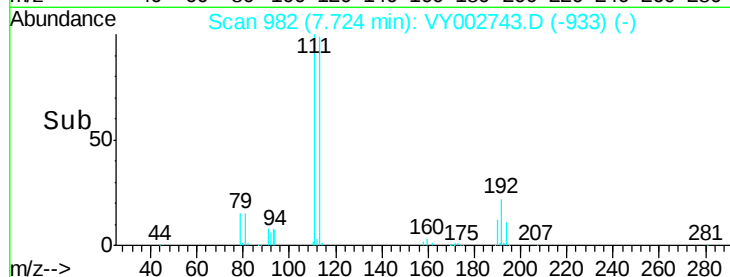
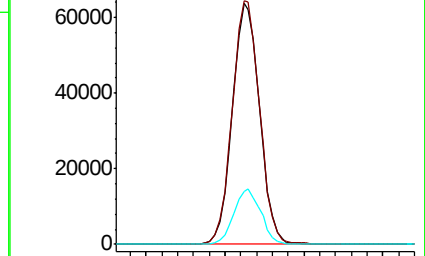
192 22.8 18.6 27.8



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: 4.541 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

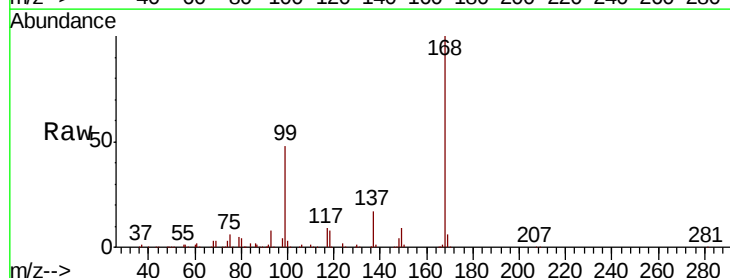
Tgt Ion: 75 Resp: 19538

Ion Ratio Lower Upper

75 100

110 9.8 19.4 58.4#

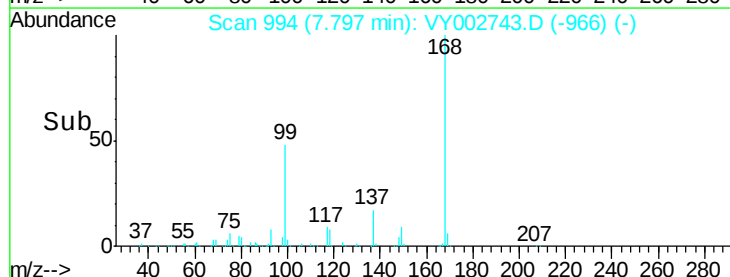
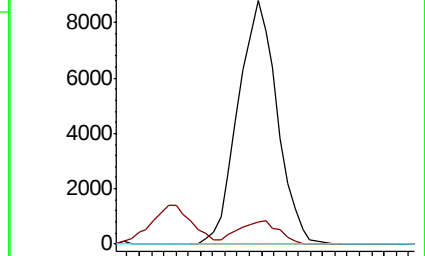
77 0.0 25.0 37.4#

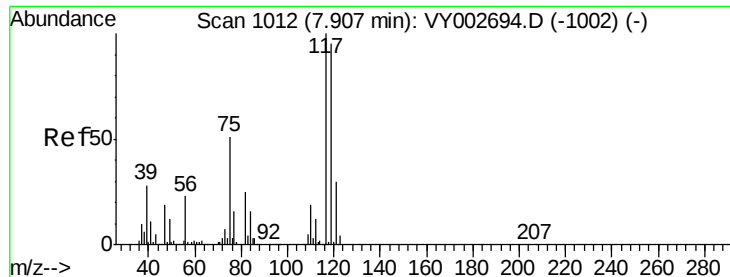


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.048 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

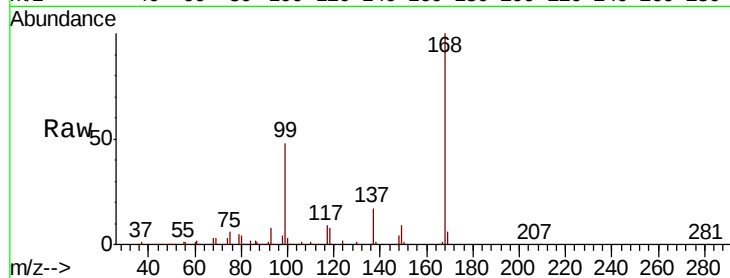
Tot Ion:117 Resp: 27967

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

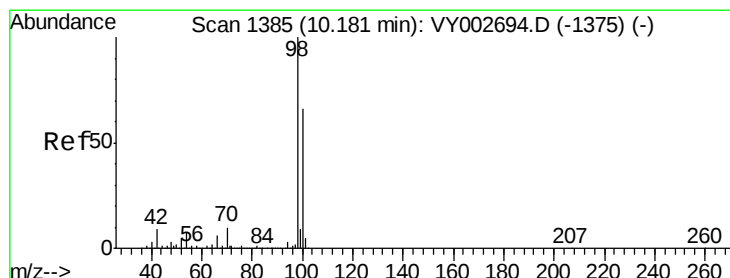
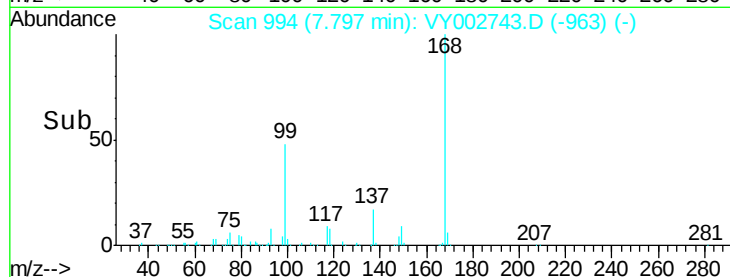
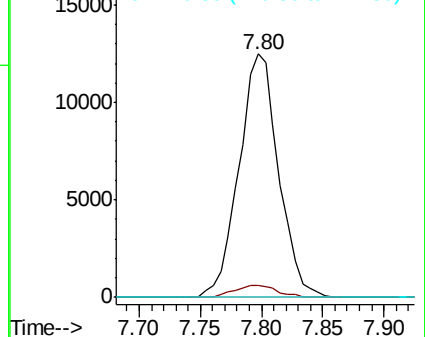
121 0.0 24.2 36.2#



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: 52.673 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002743.D

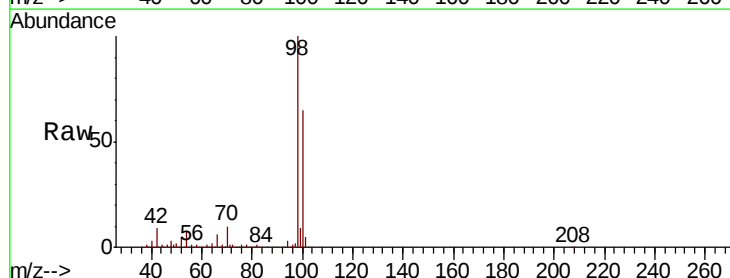
Acq: 21 May 2020 16:05

Tgt Ion: 98 Resp: 594834

Ion Ratio Lower Upper

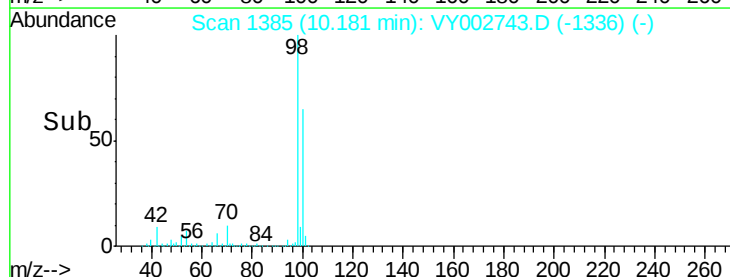
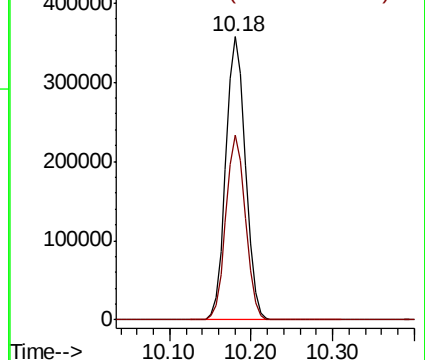
98 100

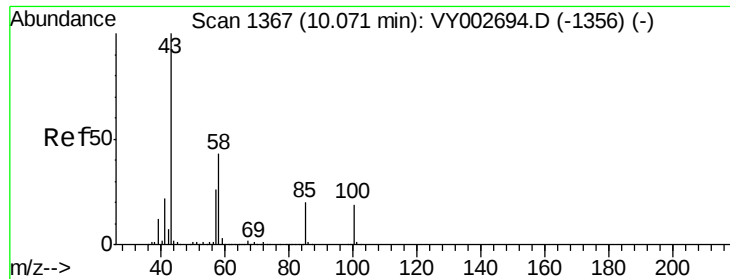
100 64.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.012 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

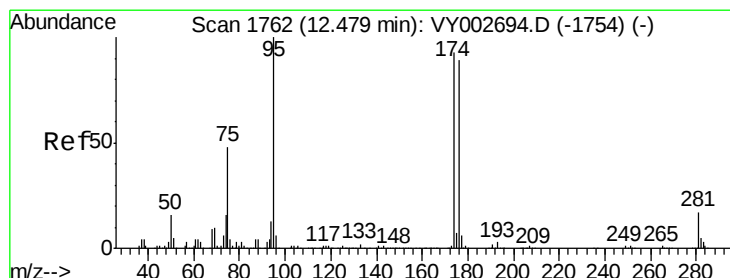
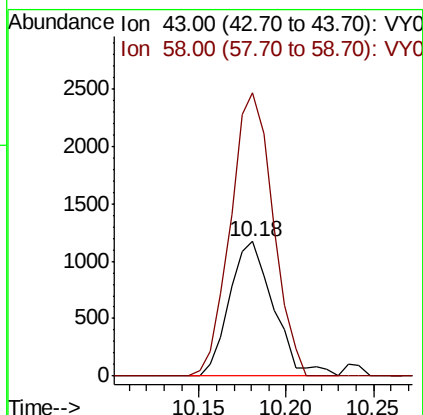
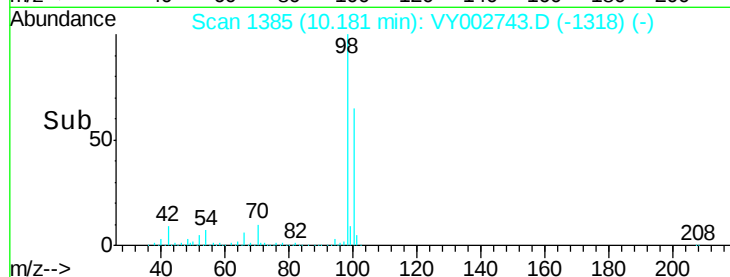
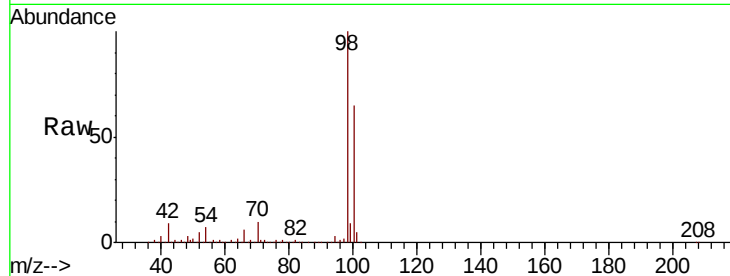
ClientSampleId :

Tot Ion: 43 Resp: 2055

Ion Ratio Lower Upper

43 100

58 202.7 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 50.397 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

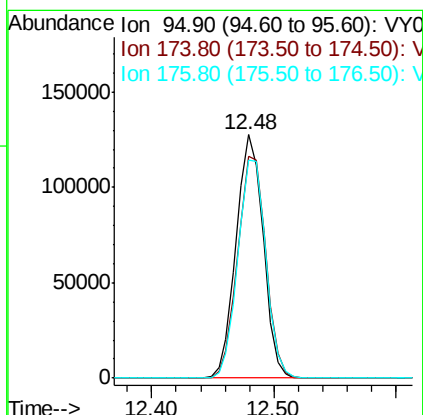
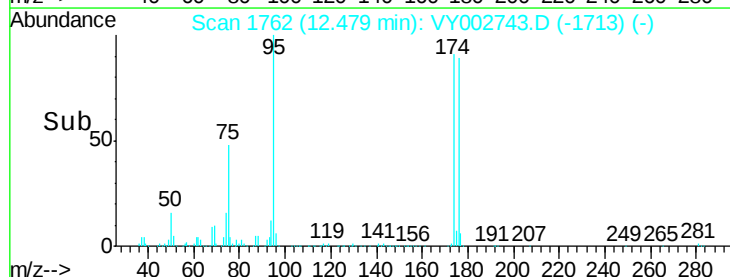
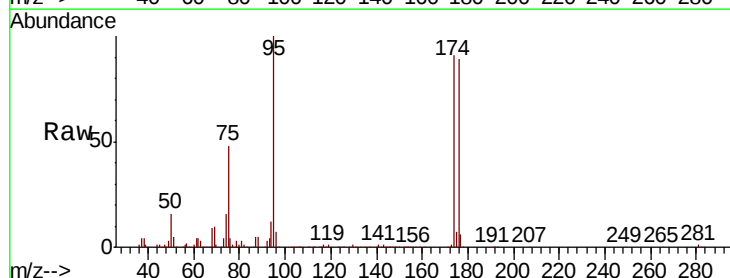
Tgt Ion: 95 Resp: 195612

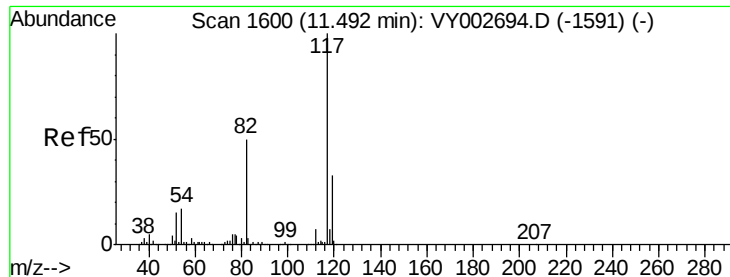
Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.4

176 92.3 0.0 186.0

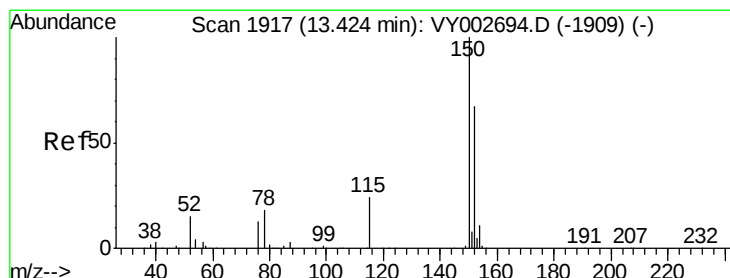
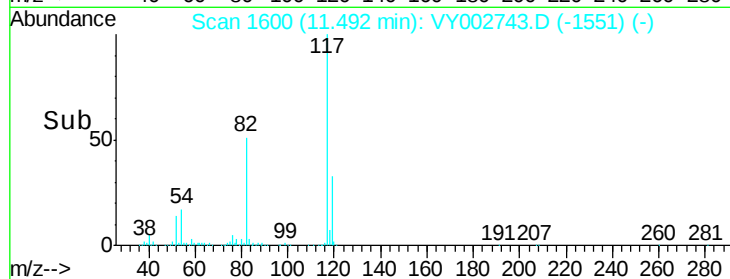
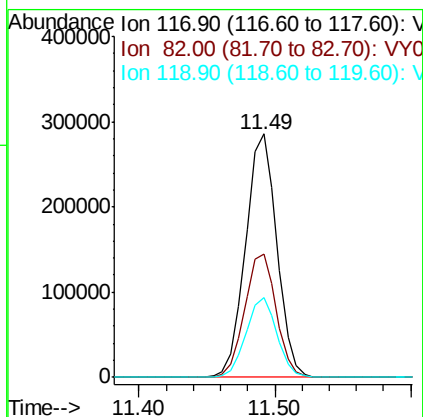
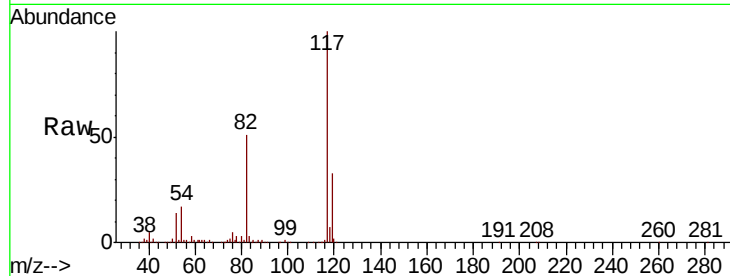




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002743.D
Acq: 21 May 2020 16:05

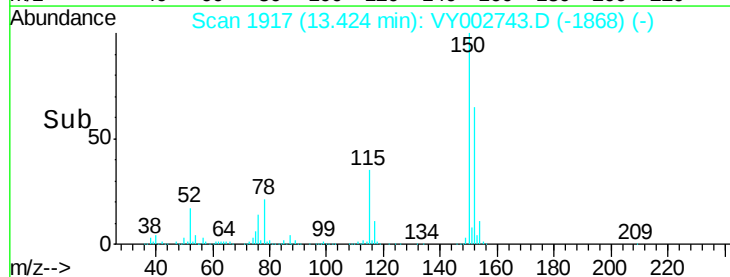
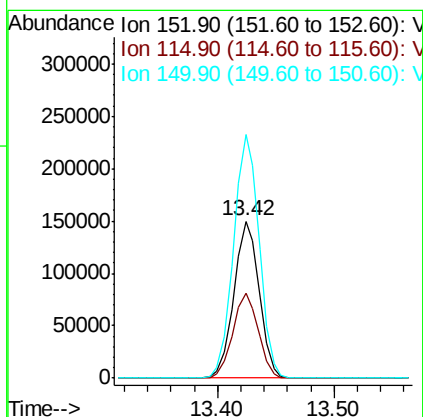
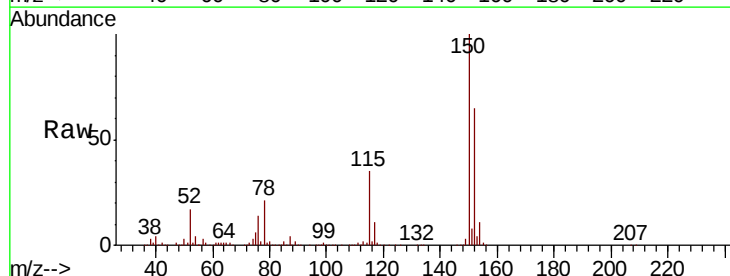
Instrument :
MSVOA_Y
ClientSampleId :

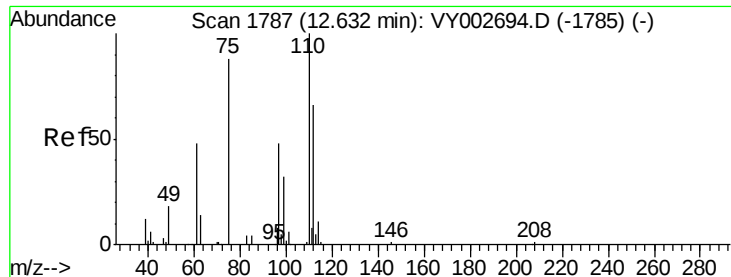
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.3	60.5
119	32.7	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002743.D
Acq: 21 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.6
150	156.6	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 49.682 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

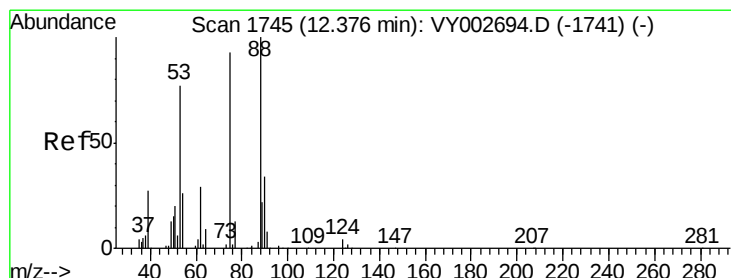
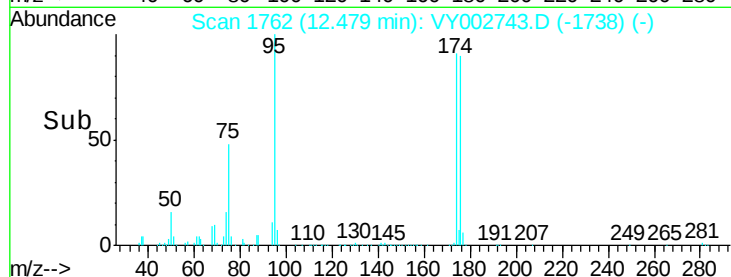
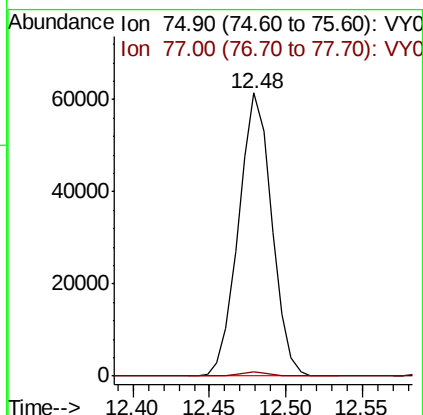
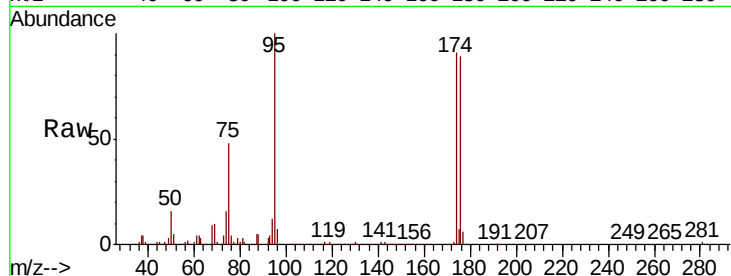
ClientSampleId :

Tot Ion: 75 Resp: 92539

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.960 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

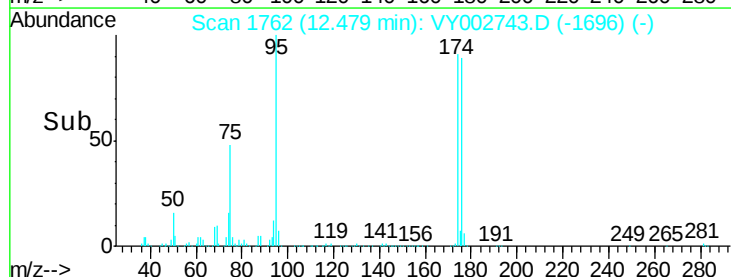
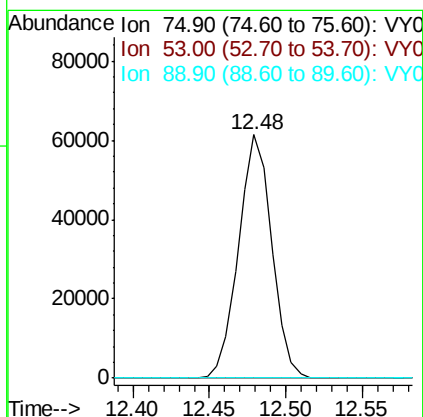
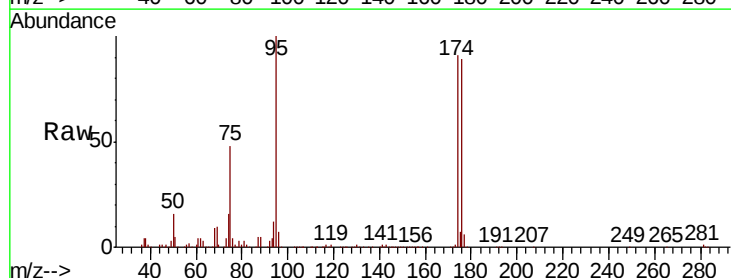
Tgt Ion: 75 Resp: 92539

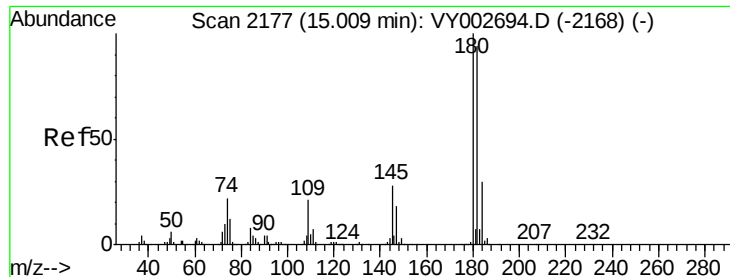
Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

89 0.0 66.6 99.8#

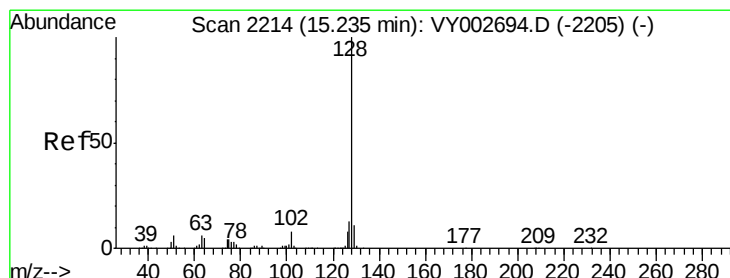
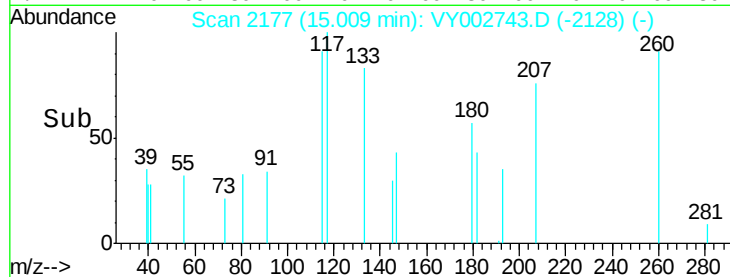
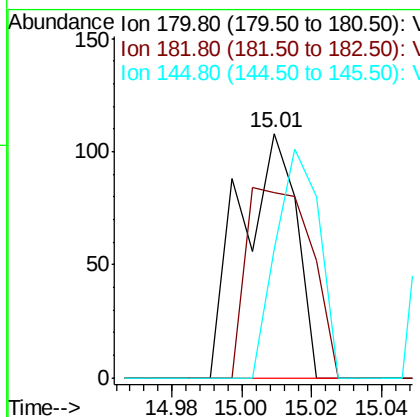
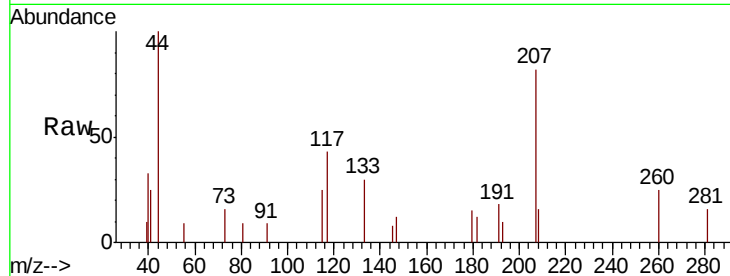




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002743.D
 Acq: 21 May 2020 16:05

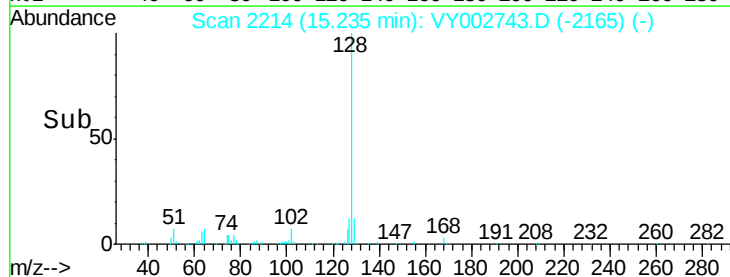
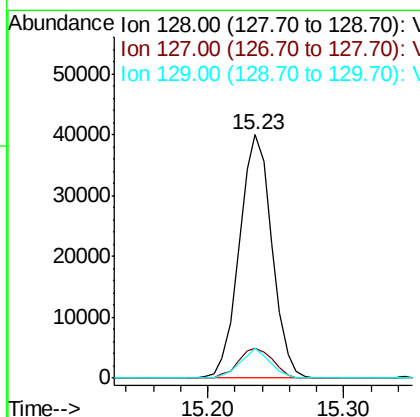
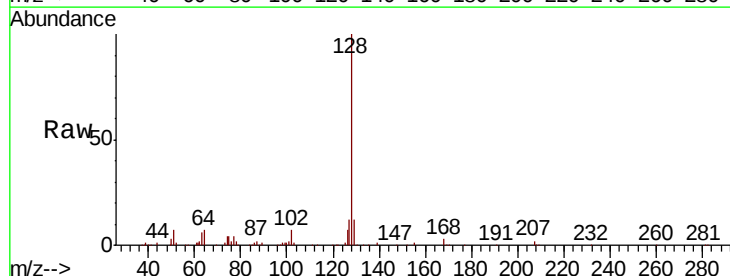
Instrument :
 MSVOA_Y
 ClientSampled :

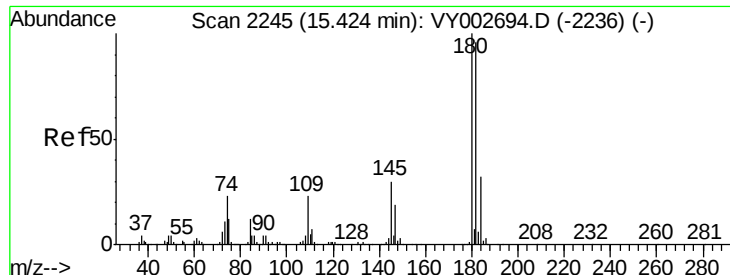
Tot Ion:180 Resp: 121
 Ion Ratio Lower Upper
 180 100
 182 90.1 47.3 142.0
 145 71.9 14.1 42.2#



#95
 Naphthalene
 Concen: 7.571 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY002743.D
 Acq: 21 May 2020 16:05

Tgt Ion:128 Resp: 66782
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 11.1 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002743.D

Acq: 21 May 2020 16:05

Instrument :

MSVOA_Y

ClientSampleId :

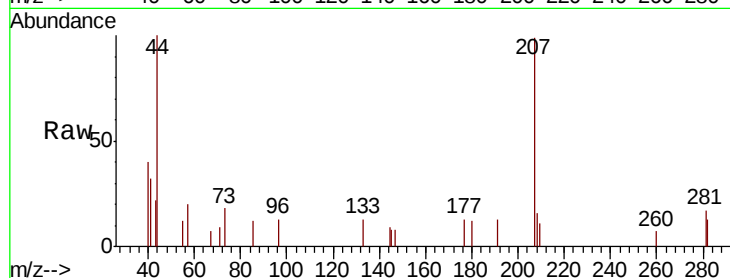
Tot Ion:180 Resp: 35

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 600.0 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

200

150

100

50

0

15.42

15.44

Time-->

