

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051320\
 Data File : VY002681.D
 Acq On : 13 May 2020 13:55
 Operator : SY/MD
 Sample : L2505-01
 Misc : 7.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:55:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

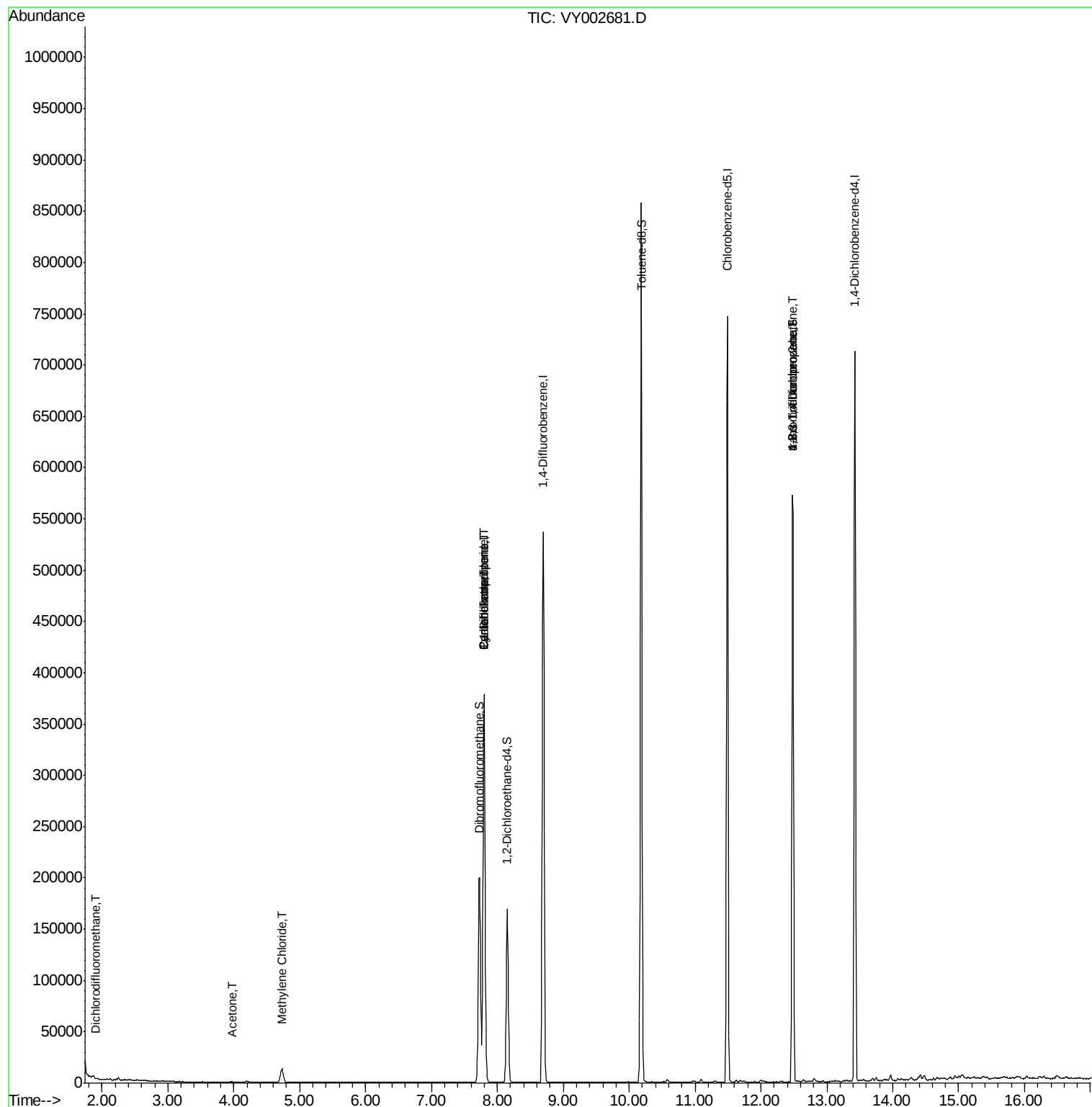
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	315045	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	494032	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	430499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	196966	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	129692	48.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.92%	
35) Dibromofluoromethane	7.72	113	144812	51.25	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.50%	
50) Toluene-d8	10.18	98	576434	52.24	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.48	95	175395	46.85	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	93.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	79	1.814	ug/l #	43
16) Acetone	3.97	43	1283	2.347	ug/l	93
20) Methylene Chloride	4.73	84	10915	3.570	ug/l	94
31) Cyclohexane	7.80	56	4854	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	19282	4.656	ug/l #	49
38) Carbon Tetrachloride	7.80	117	27765	6.141	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	85070	48.601	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85070	97.455	ug/l #	15

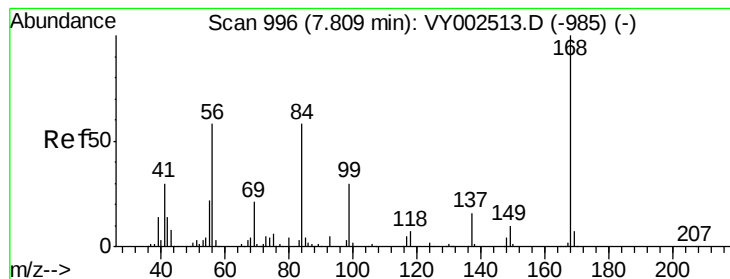
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
ClientSampleId :

Quant Time: May 14 02:55:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

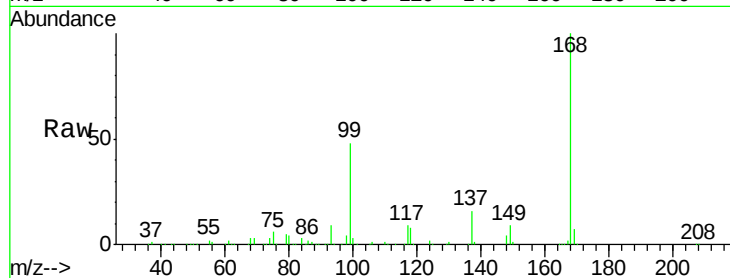
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 315045

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

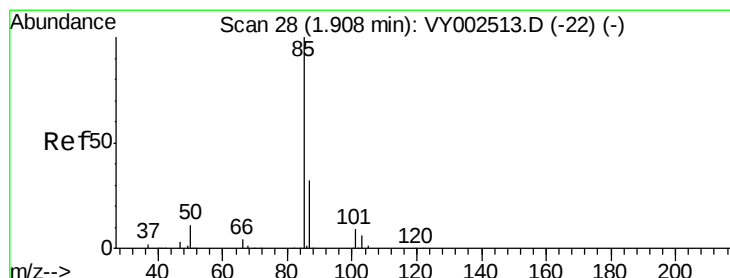
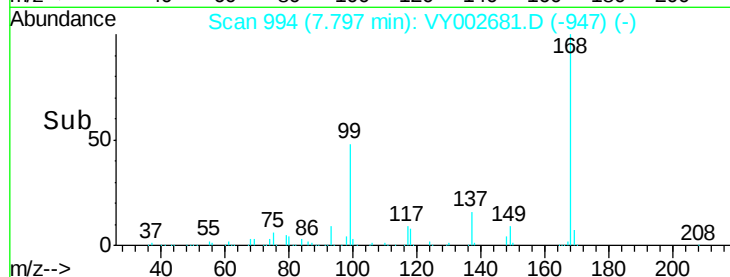
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.814 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002681.D

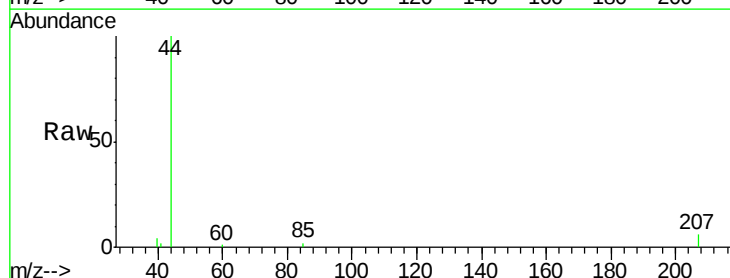
Acq: 13 May 2020 13:55

Tgt Ion: 85 Resp: 79

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

80

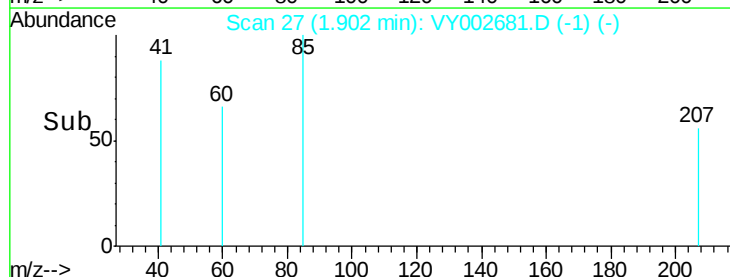
60

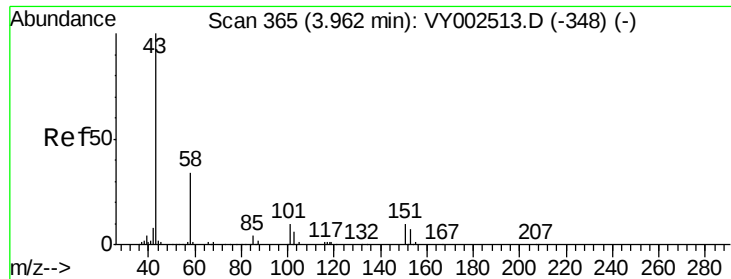
40

20

0

Time-->





#16

Acetone

Concen: 2.347 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Instrument :

MSVOA_Y

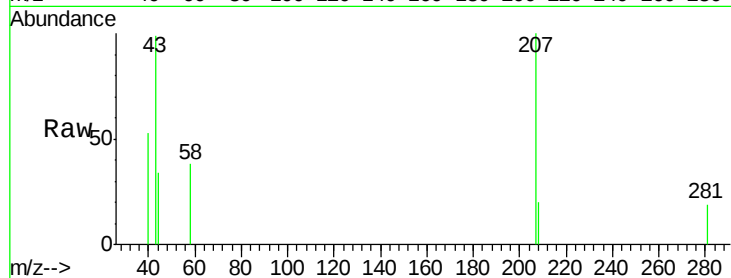
ClientSampled :

Tot Ion: 43 Resp: 1283

Ion Ratio Lower Upper

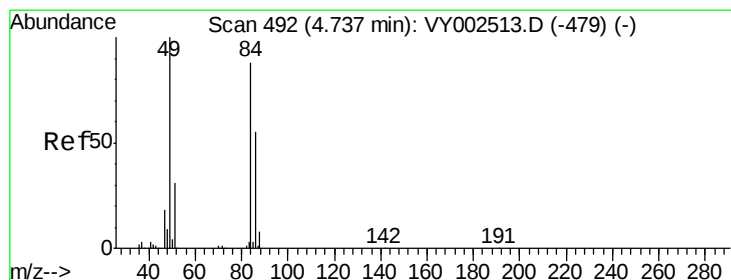
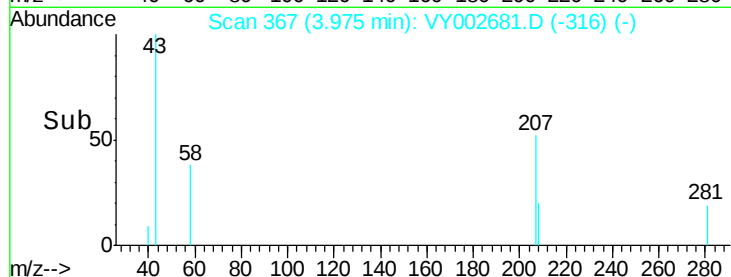
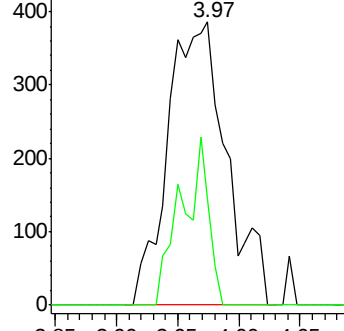
43 100

58 37.8 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.570 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Tgt Ion: 84 Resp: 10915

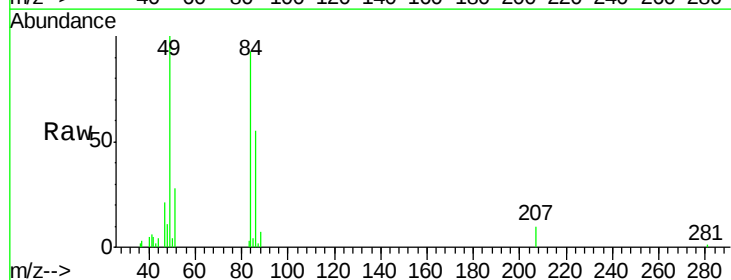
Ion Ratio Lower Upper

84 100

49 107.5 90.5 135.7

51 30.3 28.3 42.5

86 58.6 49.9 74.9

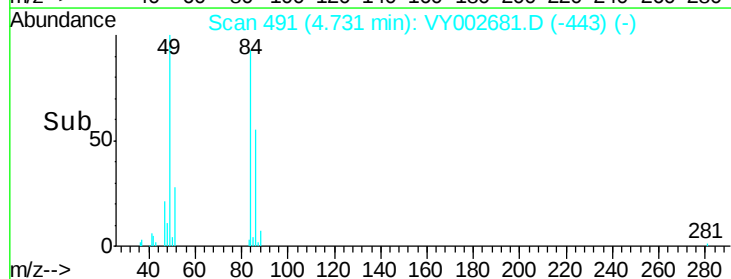
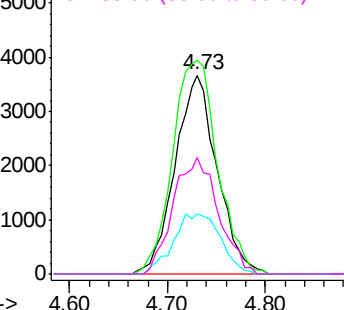


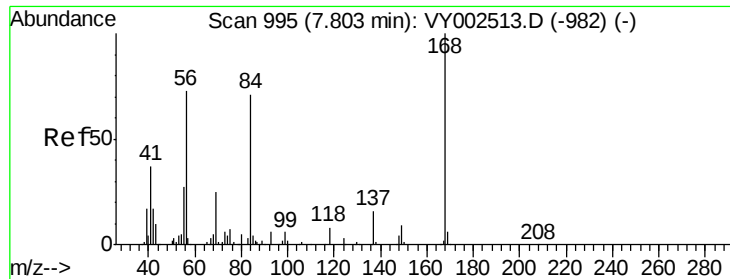
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.019 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Instrument :
MSVOA_Y
ClientSampled :

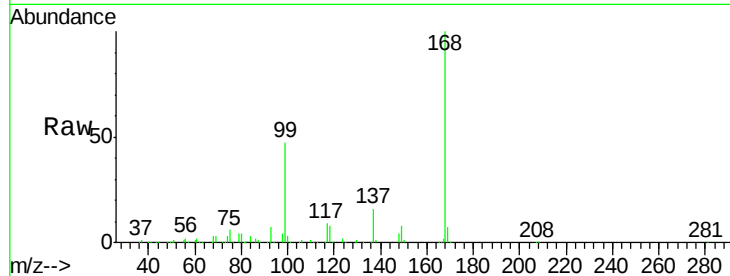
Tot Ion: 56 Resp: 4854

Ion Ratio Lower Upper

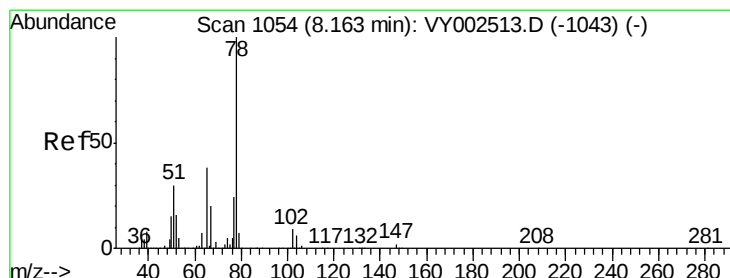
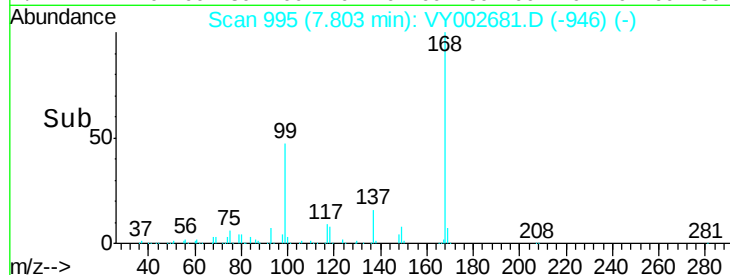
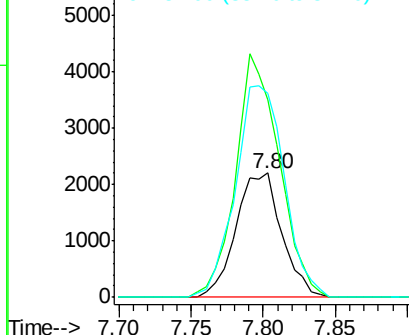
56 100

69 159.2 27.6 41.4#

84 164.5 77.7 116.5#



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: 48.960 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002681.D

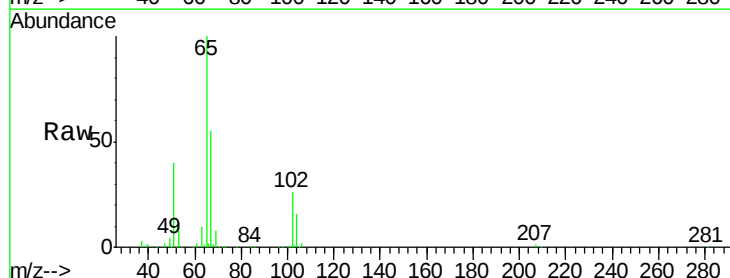
Acq: 13 May 2020 13:55

Tgt Ion: 65 Resp: 129692

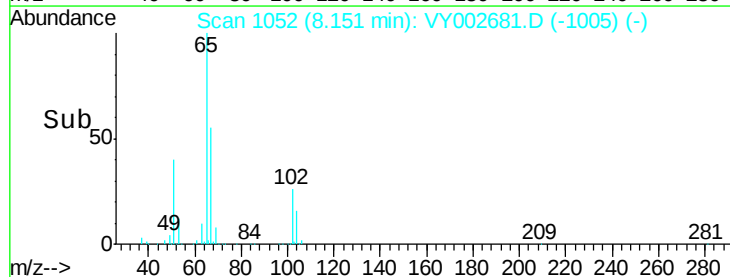
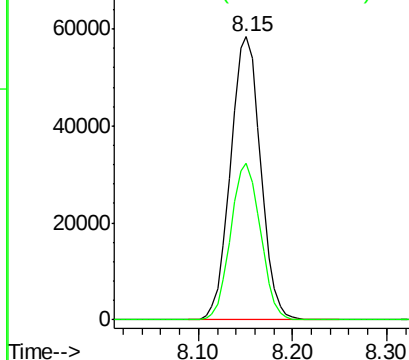
Ion Ratio Lower Upper

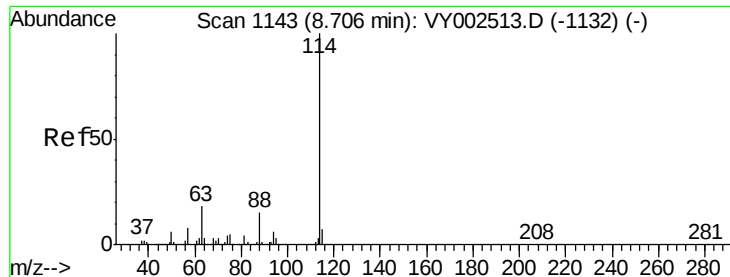
65 100

67 54.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

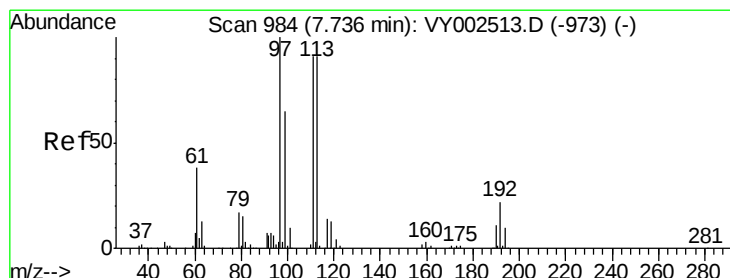
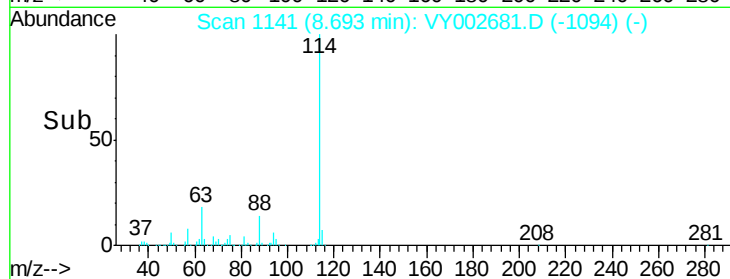
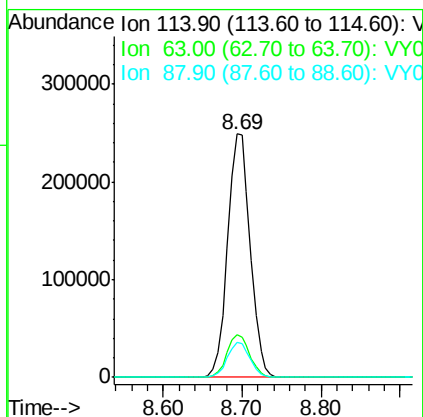
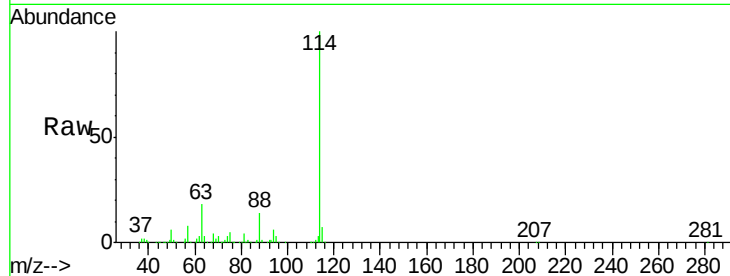




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002681.D
 Acq: 13 May 2020 13:55

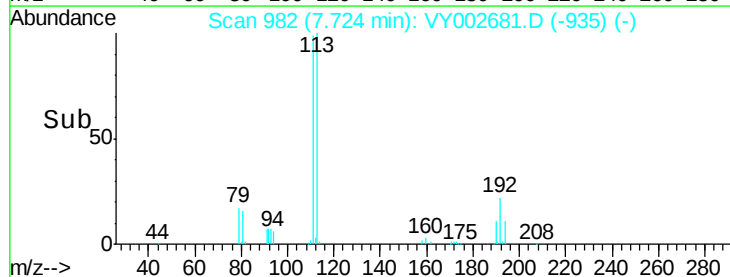
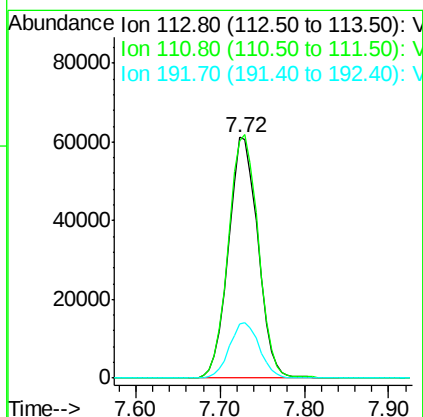
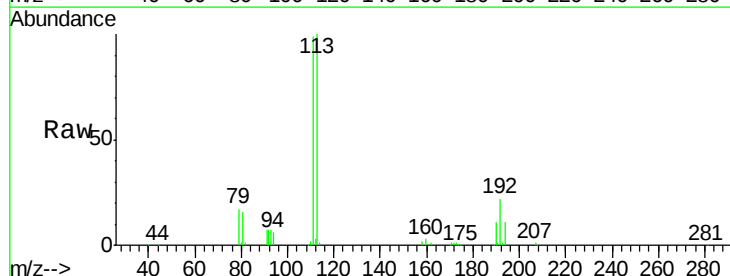
Instrument :
 MSVOA_Y
 ClientSampleId :

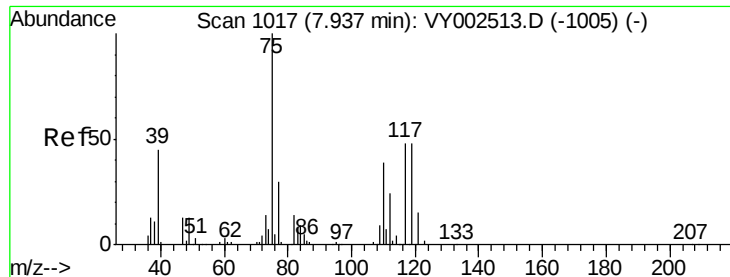
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.4
88	14.5	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 51.254 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002681.D
 Acq: 13 May 2020 13:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	23.3	18.2	27.4

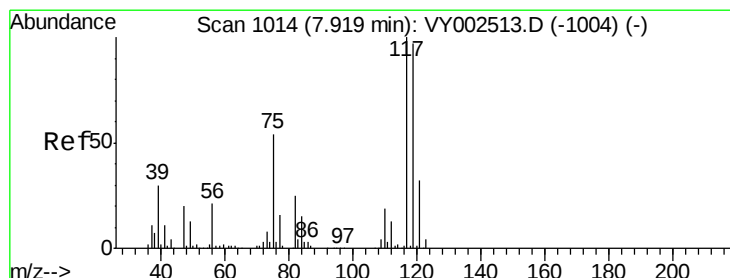
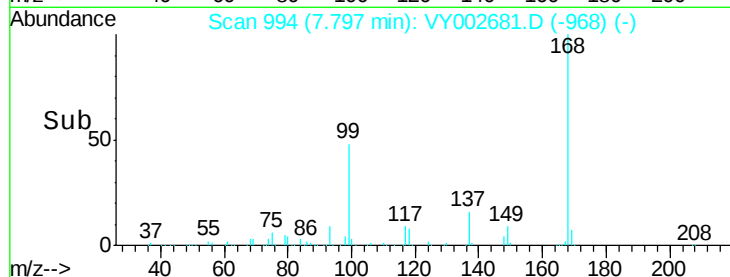
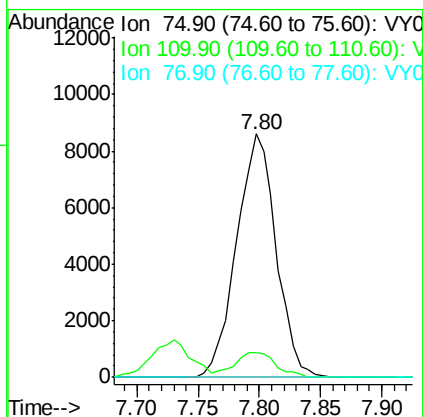
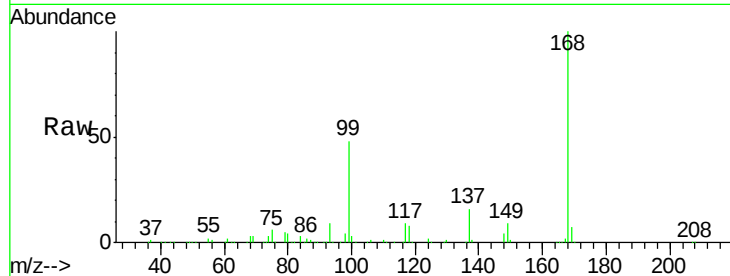




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002681.D
 Acq: 13 May 2020 13:55

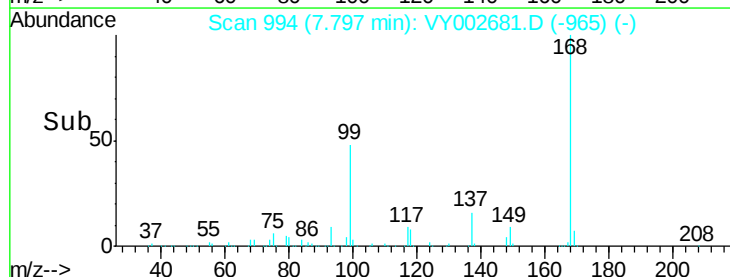
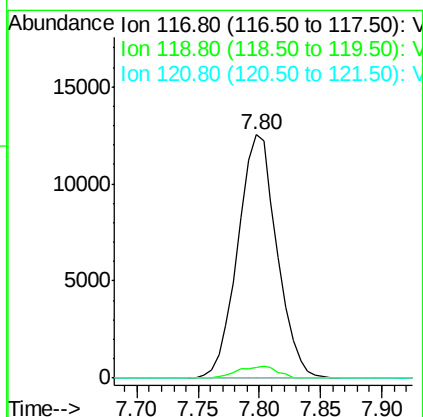
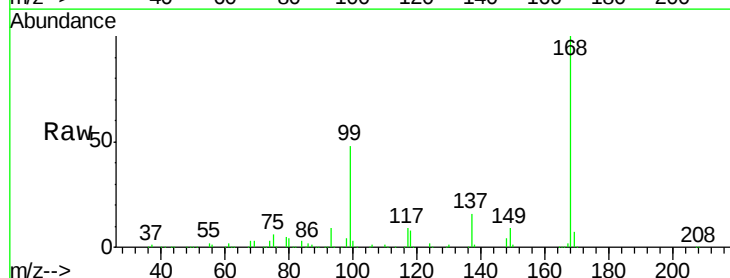
Instrument :
 MSVOA_Y
 ClientSampleId :

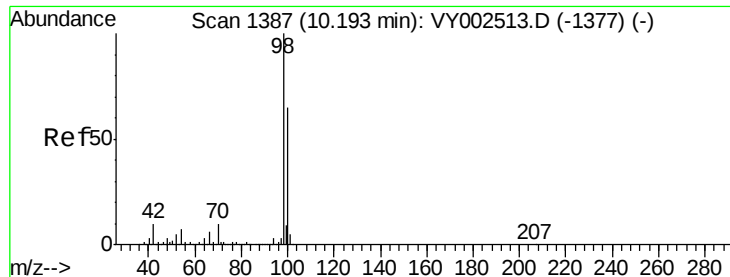
Tot Ion: 75 Resp: 19282
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.1 57.3#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.141 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002681.D
 Acq: 13 May 2020 13:55

Tgt Ion: 117 Resp: 27765
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.1 115.7#
 121 0.0 25.2 37.8#





#50

Toluene-d8

Concen: 52.244 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Instrument :

MSVOA_Y

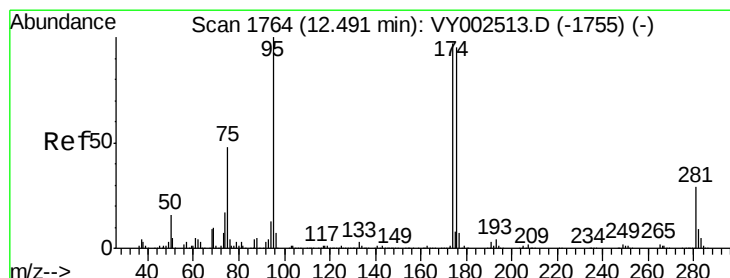
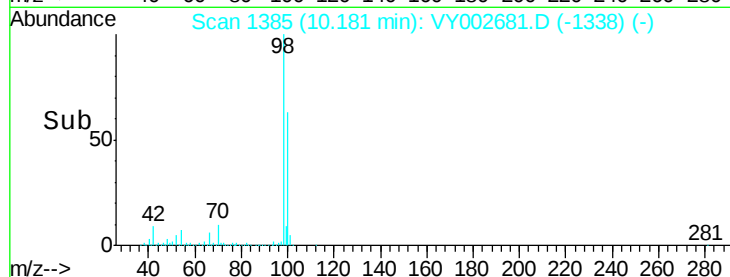
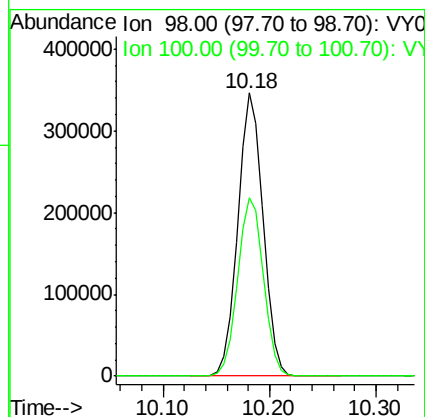
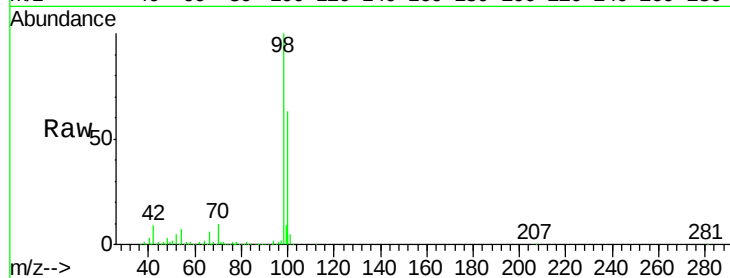
ClientSampleId :

Tot Ion: 98 Resp: 576434

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.848 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

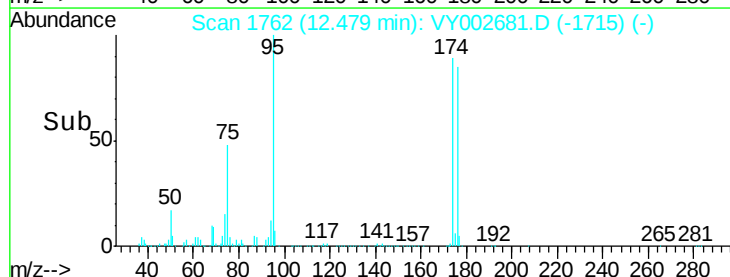
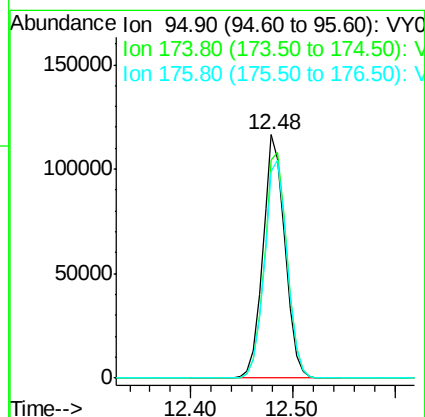
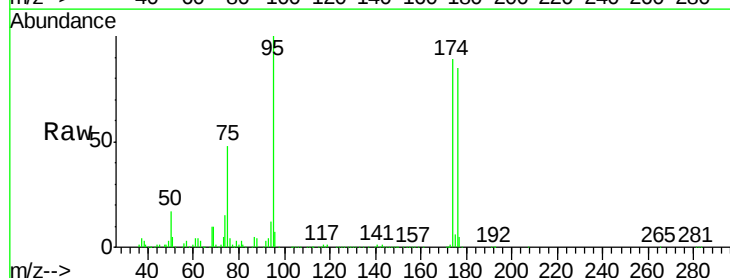
Tgt Ion: 95 Resp: 175395

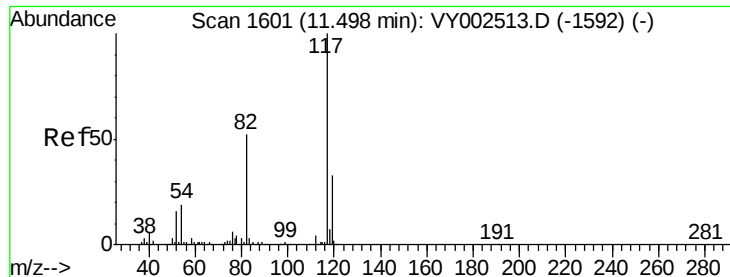
Ion Ratio Lower Upper

95 100

174 95.0 0.0 188.8

176 92.0 0.0 183.2

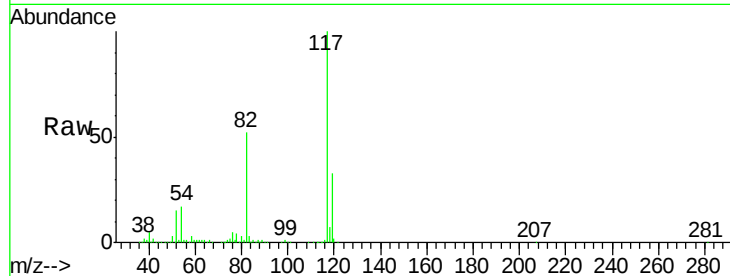




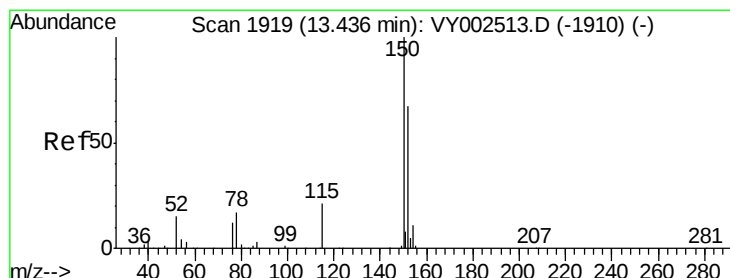
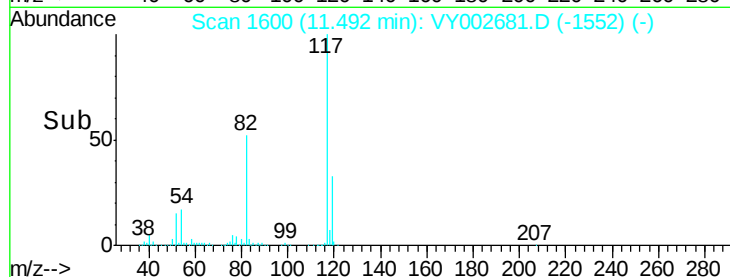
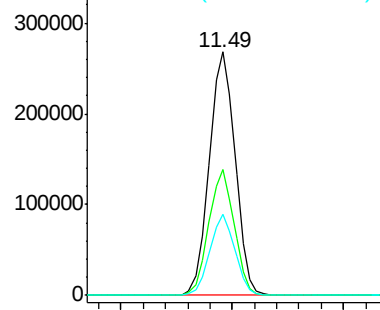
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002681.D
Acq: 13 May 2020 13:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 430499
Ion Ratio Lower Upper
117 100
82 51.8 41.3 61.9
119 33.4 26.0 39.0

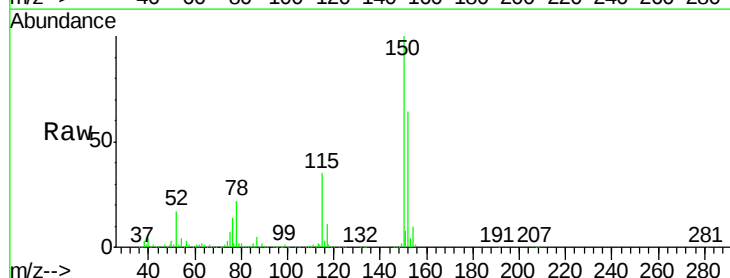


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

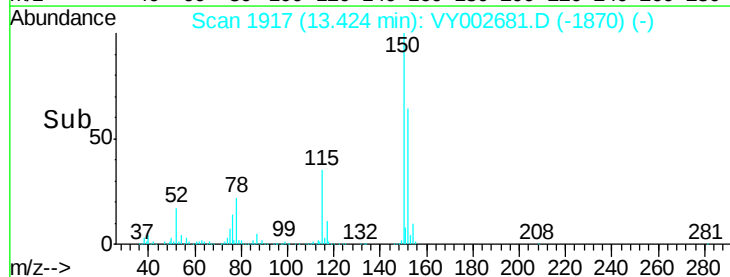
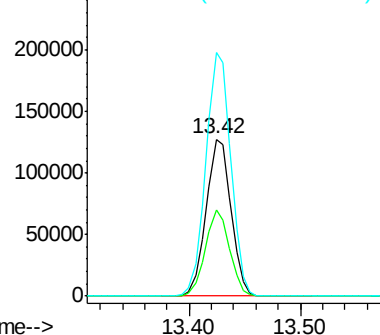


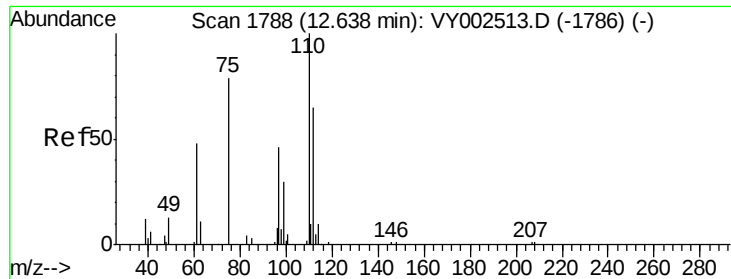
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002681.D
Acq: 13 May 2020 13:55

Tgt Ion:152 Resp: 196966
Ion Ratio Lower Upper
152 100
115 53.6 27.5 82.4
150 155.5 0.0 346.4



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: 48.601 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Instrument :

MSVOA_Y

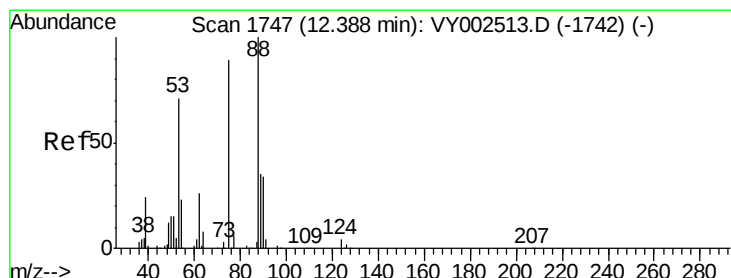
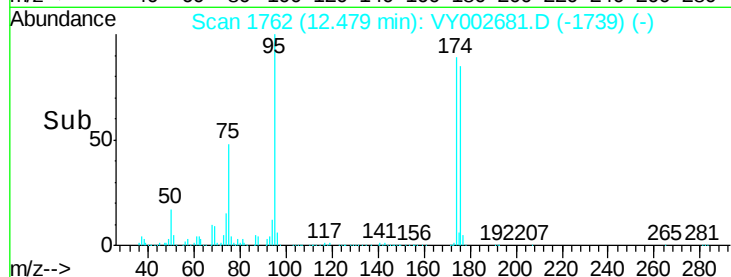
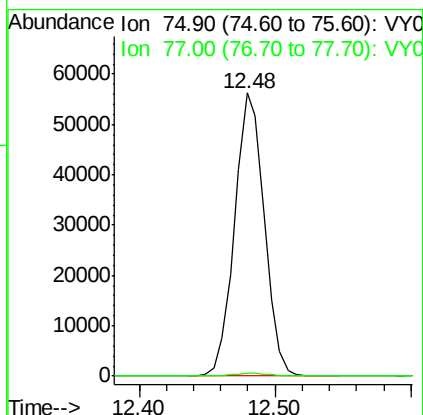
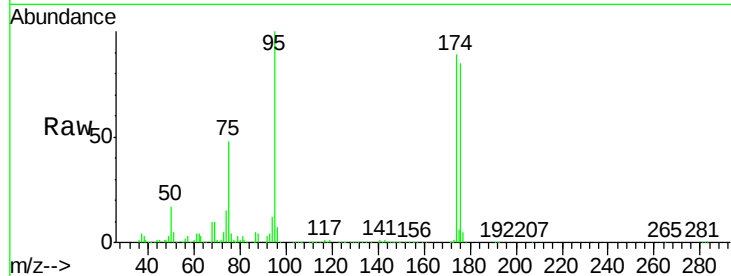
ClientSampleId :

Tot Ion: 75 Resp: 85070

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 97.455 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002681.D

Acq: 13 May 2020 13:55

Tgt Ion: 75 Resp: 85070

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.0 37.4 56.0#

