

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002546.D
 Acq On : 04 May 2020 17:10
 Operator : SY/MD
 Sample : L2452-01RE
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 07:08:23 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	102784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	162065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	138582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	59946	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	45368	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	7.73	113	48170	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	10.18	98	187269	51.74	ug/l	-0.01
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.48	95	54367	44.27	ug/l	-0.01
Spiked Amount			Recovery	=	88.54%	

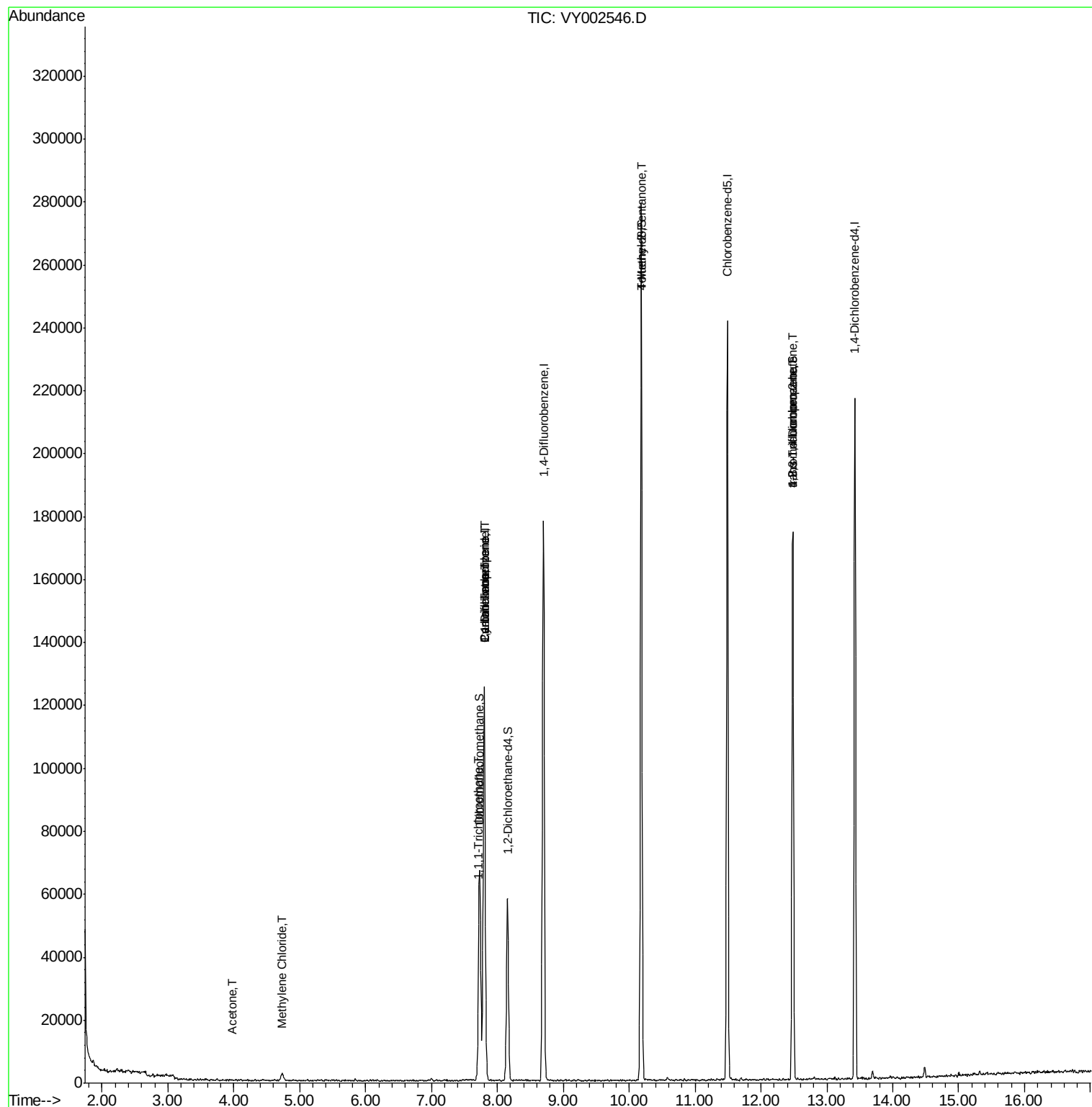
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	400	2.243	ug/l	95
20) Methylene Chloride	4.74	84	1569	1.573	ug/l	94
31) Cyclohexane	7.80	56	1805	1.162	ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	1560	1.046	ug/l #	47
36) 1,1-Dichloropropene	7.80	75	6487	4.775	ug/l #	50
38) Carbon Tetrachloride	7.80	117	9722	6.554	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	755	1.119	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	26438	49.628	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	26438	99.514	ug/l #	15

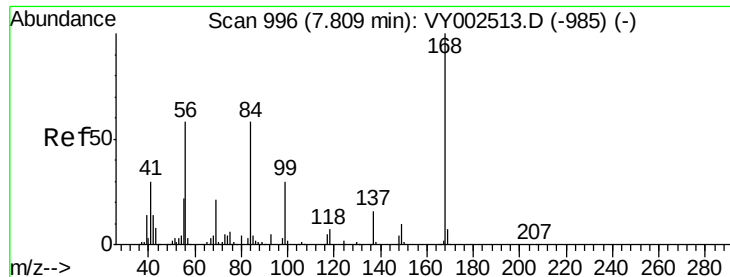
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 995

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

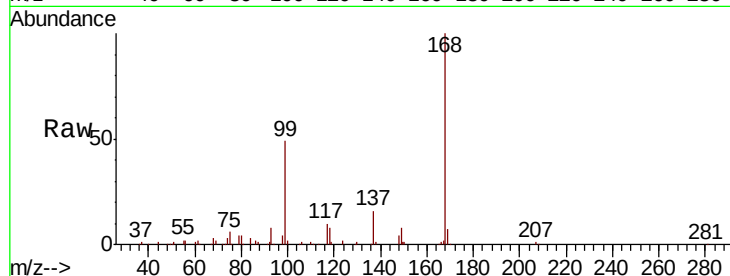
ClientSampleId :

Tot Ion:168 Resp: 102784

Ion Ratio Lower Upper

168 100

99 48.9 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

50000

40000

30000

20000

10000

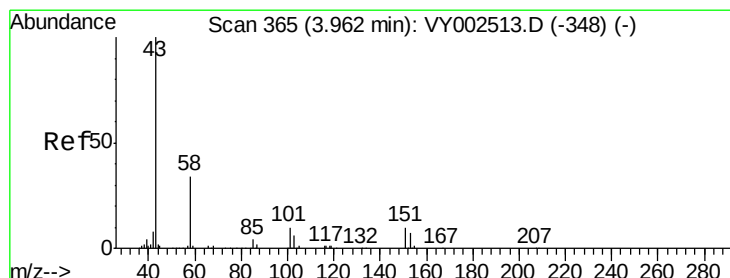
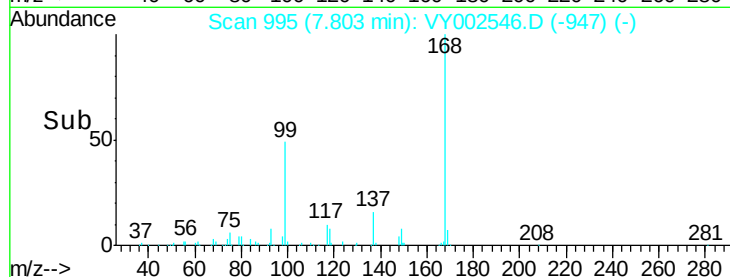
0

7.70

7.80

7.90

Time-->



#16

Acetone

Concen: 2.243 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002546.D

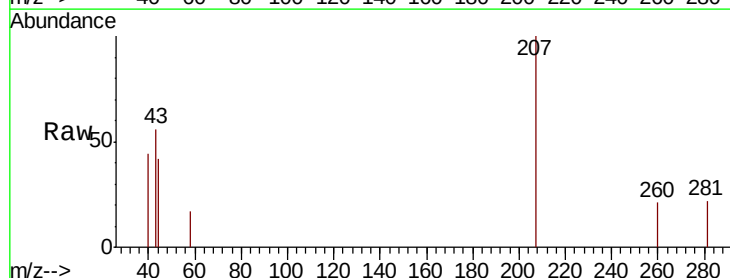
Acq: 04 May 2020 17:10

Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

58 30.5 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.96

200

150

100

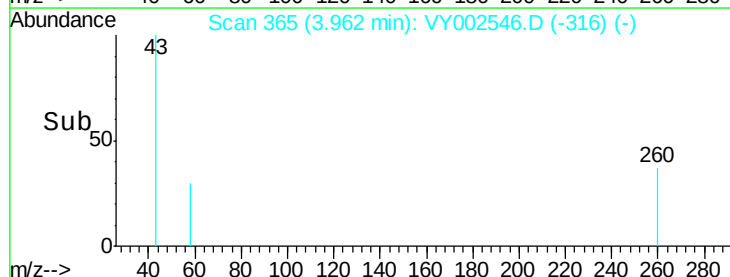
50

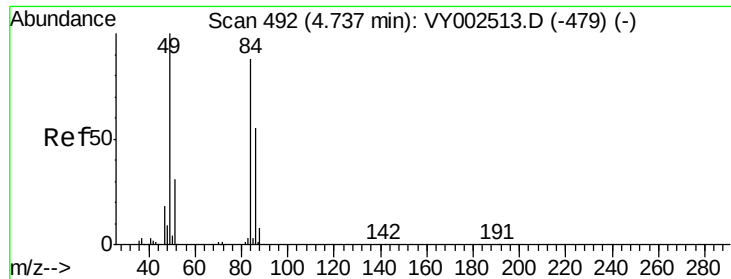
0

3.95

4.00

Time-->

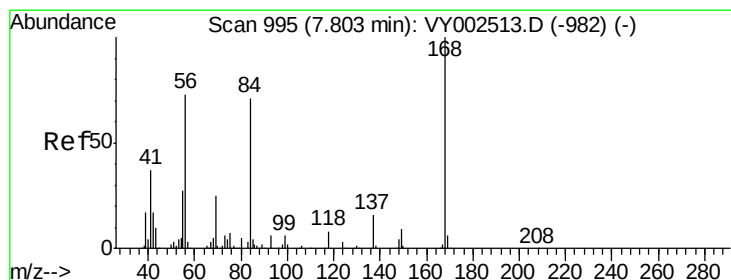
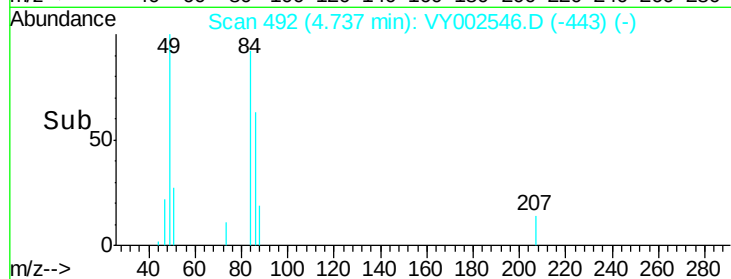
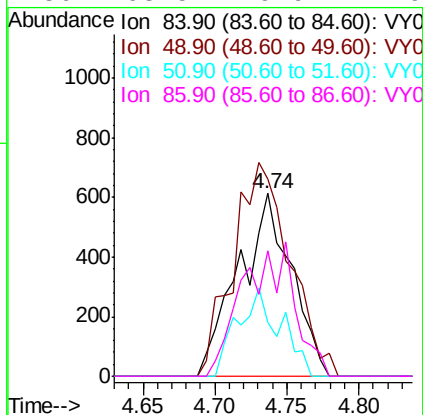
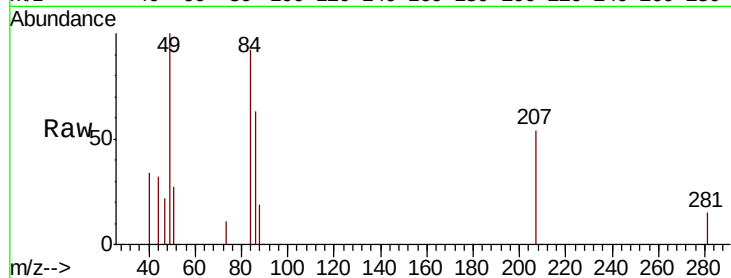




#20
Methylene Chloride
Concen: 1.573 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002546.D
Acq: 04 May 2020 17:10

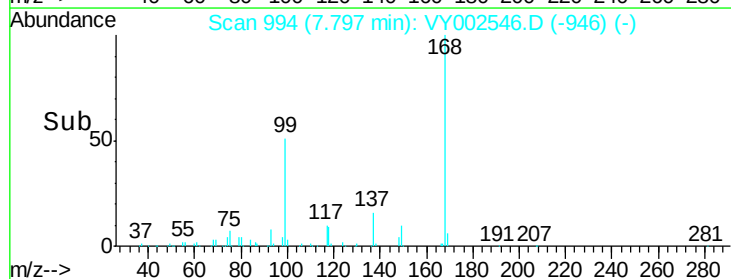
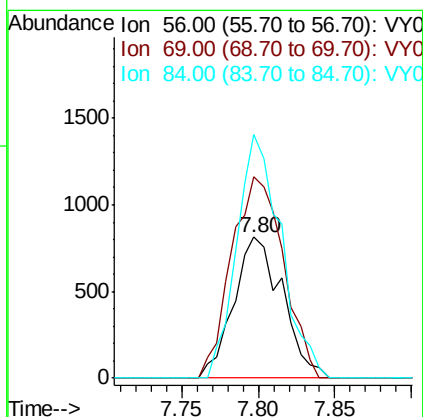
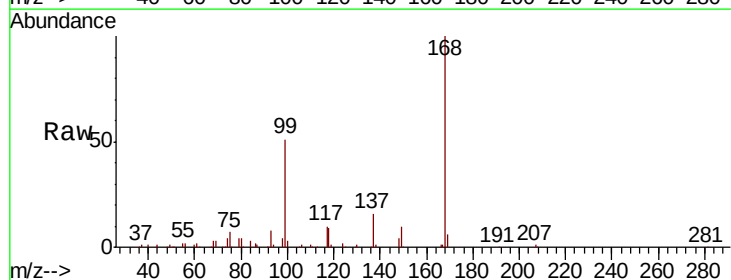
Instrument :
MSVOA_Y
ClientSampled :

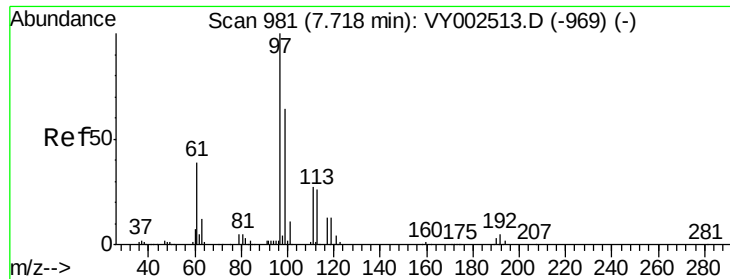
Tot Ion:	84	Resp:	1569
Ion	Ratio	Lower	Upper
84	100		
49	108.3	90.5	135.7
51	29.6	28.3	42.5
86	68.5	49.9	74.9



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY002546.D
Acq: 04 May 2020 17:10

Tgt Ion:	56	Resp:	1805
Ion	Ratio	Lower	Upper
56	100		
69	142.6	27.6	41.4#
84	172.5	77.7	116.5#





#32

1,1,1-Trichloroethane

Concen: 1.046 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

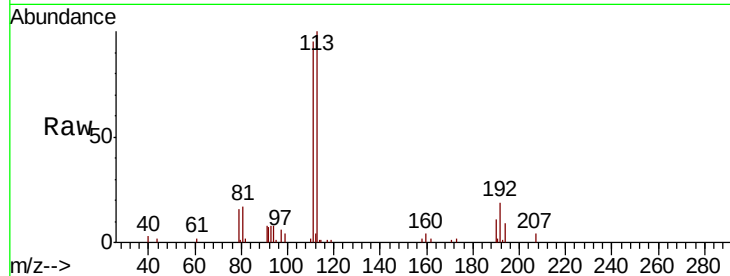
Tot Ion: 97 Resp: 1560

Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

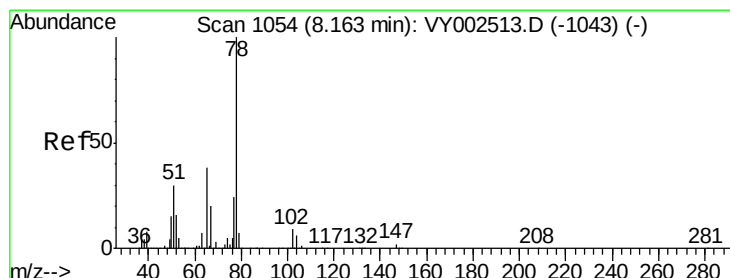
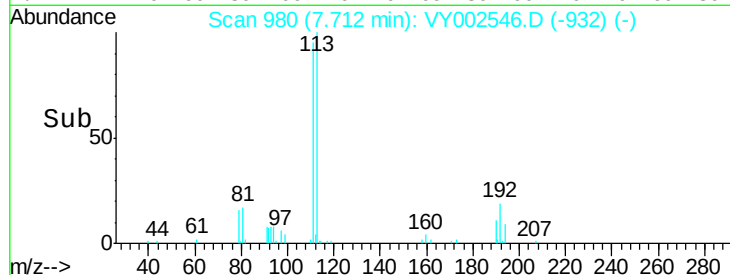
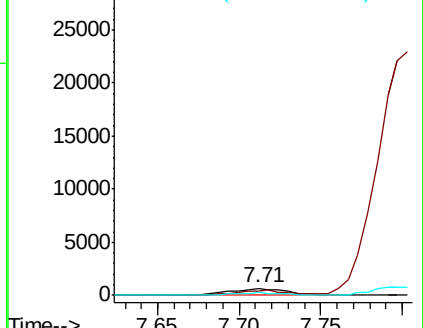
61 36.6 31.0 46.6



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 52.496 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002546.D

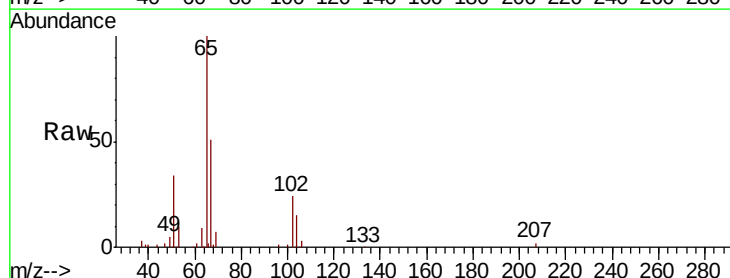
Acq: 04 May 2020 17:10

Tgt Ion: 65 Resp: 45368

Ion Ratio Lower Upper

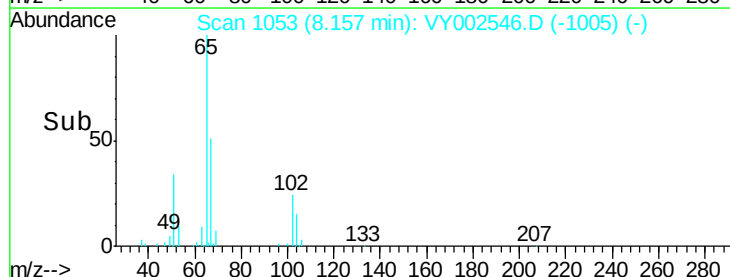
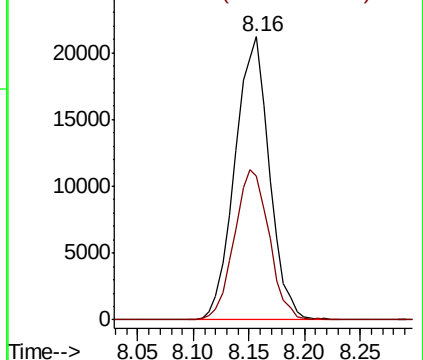
65 100

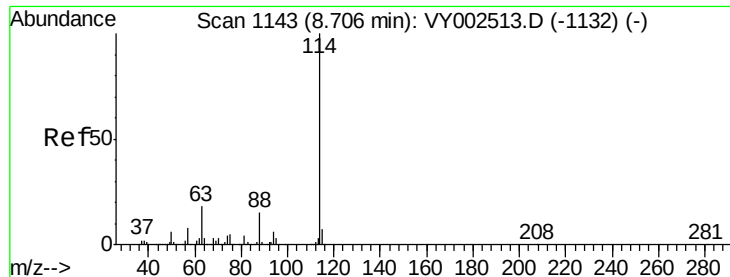
67 53.5 0.0 107.2



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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

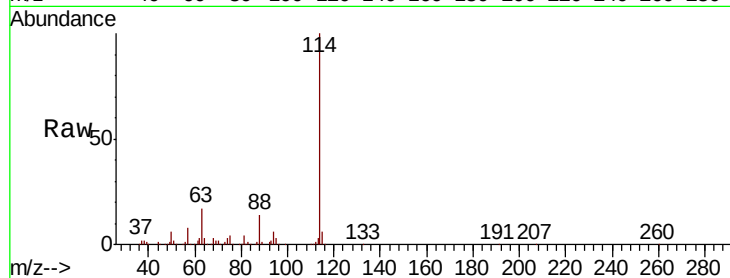
Tot Ion:114 Resp: 162065

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.4

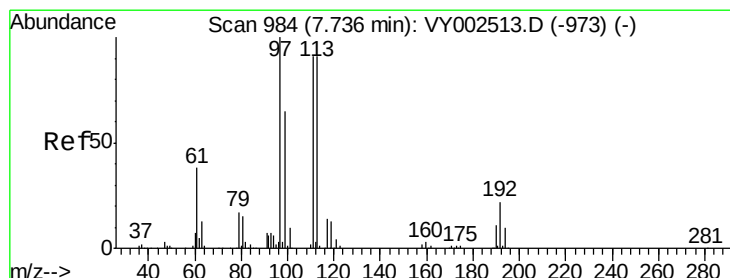
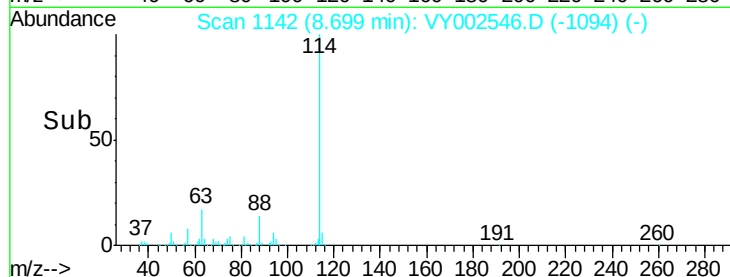
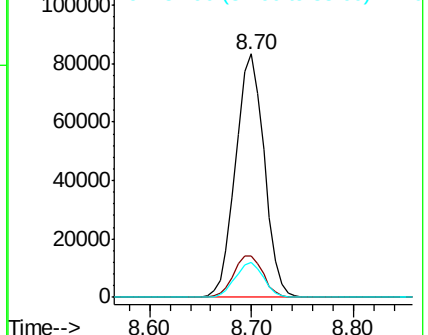
88 14.4 0.0 29.6



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: 51.971 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

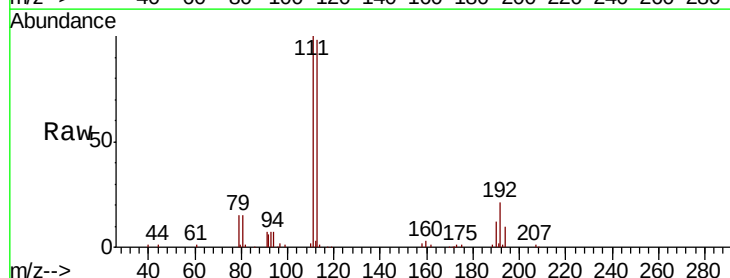
Tgt Ion:113 Resp: 48170

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

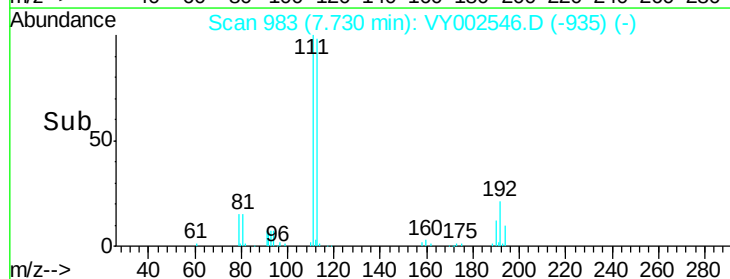
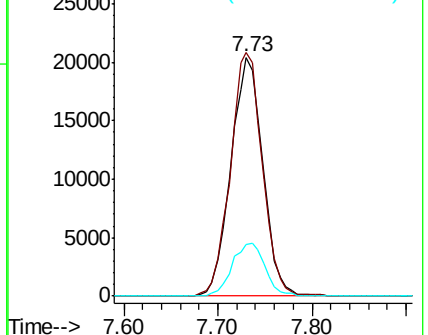
192 22.8 18.2 27.4

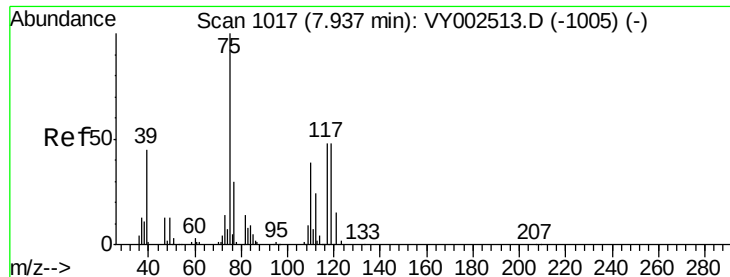


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

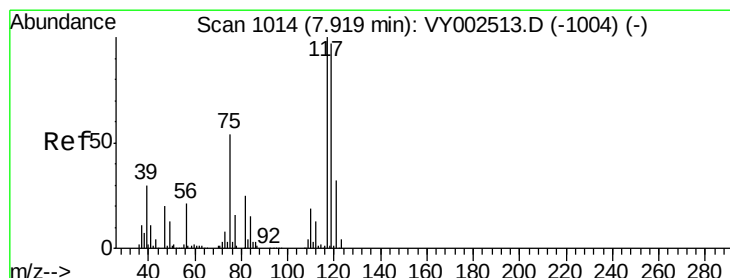
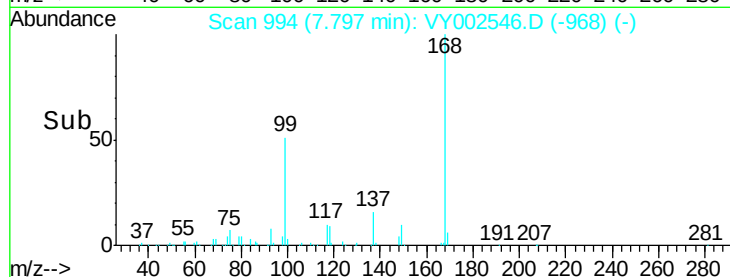
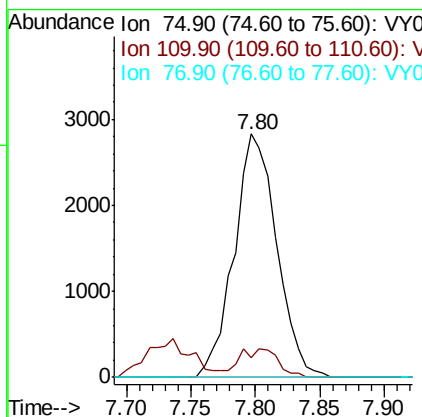
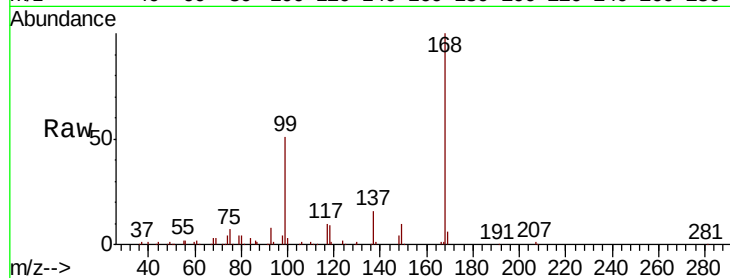




#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002546.D
 Acq: 04 May 2020 17:10

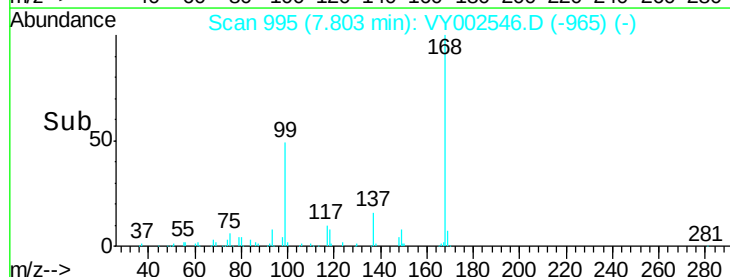
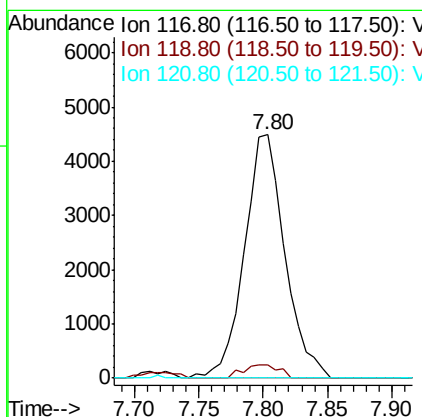
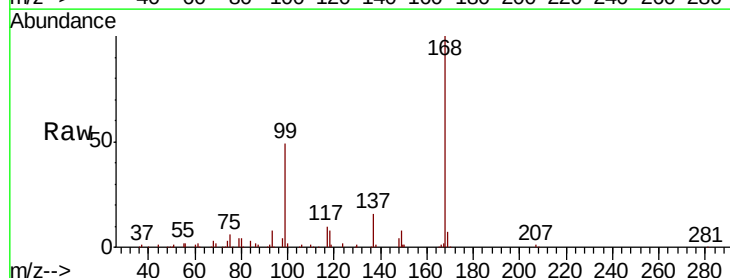
Instrument :
 MSVOA_Y
 ClientSampleId :

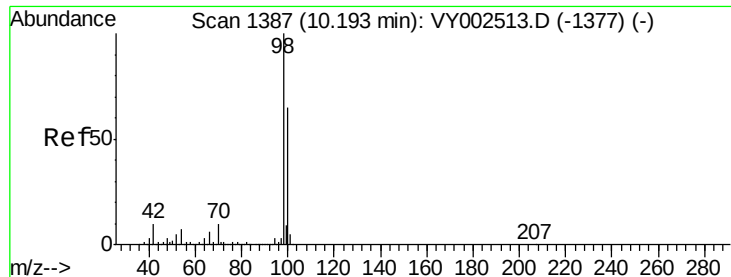
Tot Ion	75	110	77	Resp	Lower	Upper
75	100			6487		
110	10.8	19.1		57.3#		
77	0.0	24.6		37.0#		



#38
 Carbon Tetrachloride
 Concen: 6.554 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY002546.D
 Acq: 04 May 2020 17:10

Tgt Ion	117	119	121	Resp	Lower	Upper
117	100			9722		
119	5.6	77.1		115.7#		
121	0.0	25.2		37.8#		





#50

Toluene-d8

Concen: 51.739 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

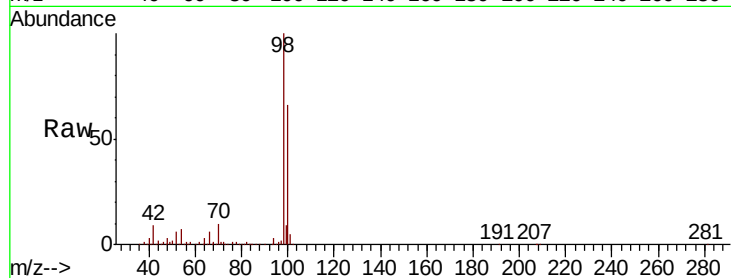
ClientSampleId :

Tot Ion: 98 Resp: 187269

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

120000

100000

80000

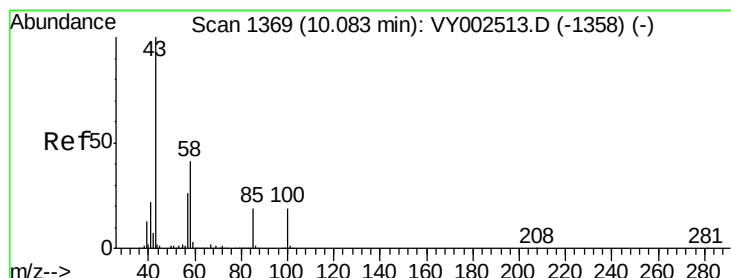
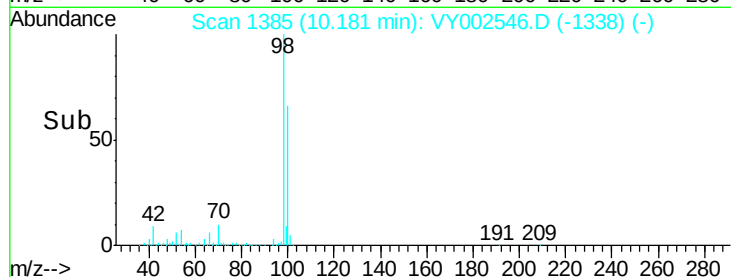
60000

40000

20000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.119 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002546.D

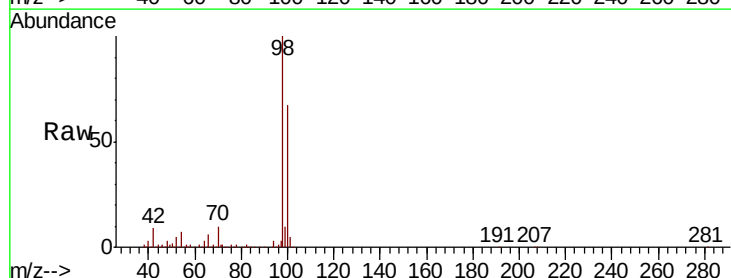
Acq: 04 May 2020 17:10

Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

43 100

58 207.5 33.2 49.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.19

1000

800

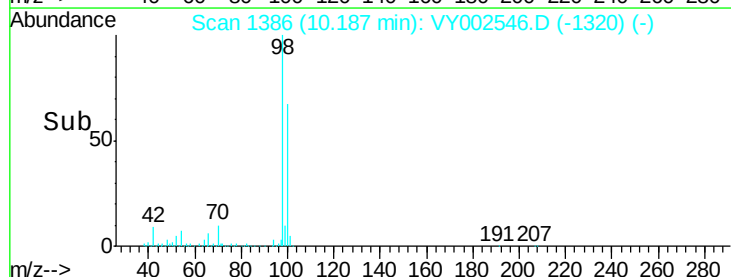
600

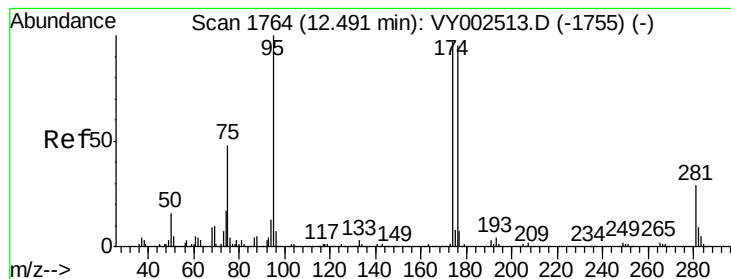
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.266 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

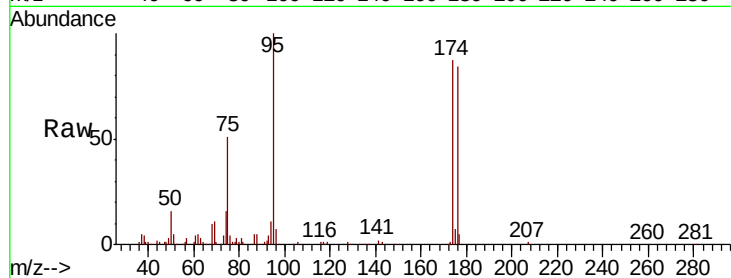
Tot Ion: 95 Resp: 54367

Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.8

176 90.6 0.0 183.2



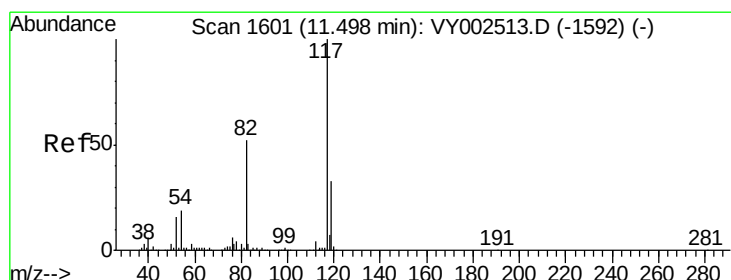
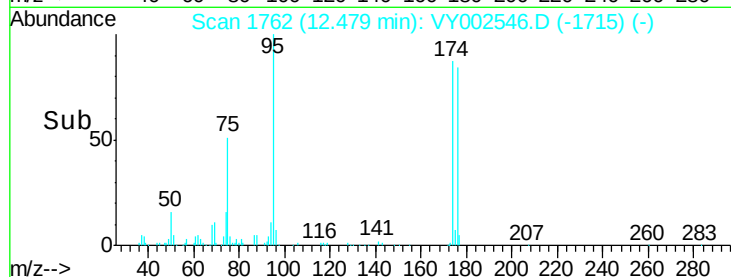
Abundance Ion 94.90 (94.60 to 95.60): VY002513.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002513.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002513.D (-1755) (-)

12.48

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

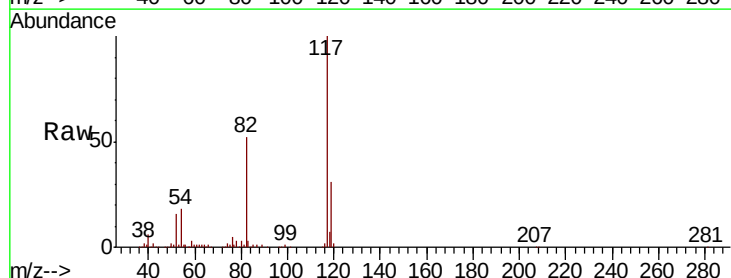
Tgt Ion: 117 Resp: 138582

Ion Ratio Lower Upper

117 100

82 52.5 41.3 61.9

119 30.9 26.0 39.0



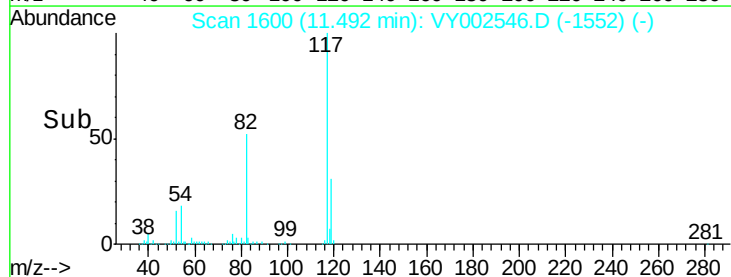
Abundance Ion 116.90 (116.60 to 117.60): VY002513.D (-1592) (-)

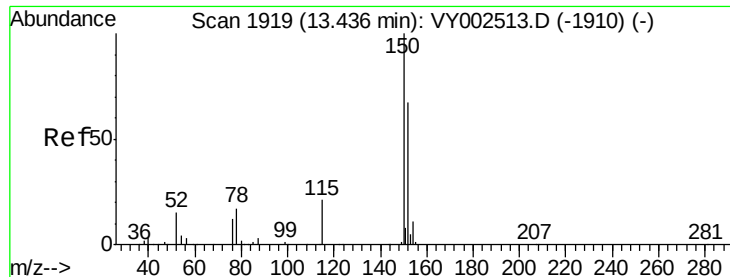
Ion 82.00 (81.70 to 82.70): VY002513.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002513.D (-1592) (-)

11.49

Time-->



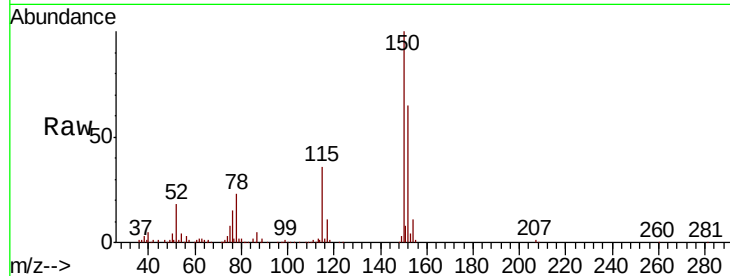


#72

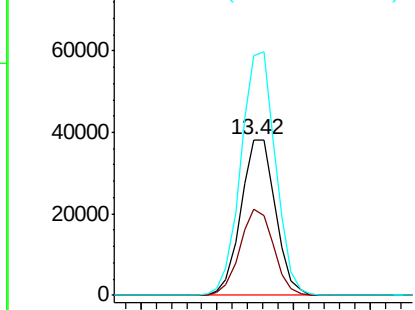
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002546.D
Acq: 04 May 2020 17:10

Instrument :
MSVOA_Y
ClientSampleId :

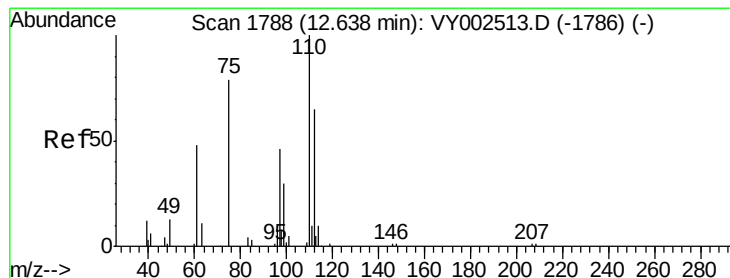
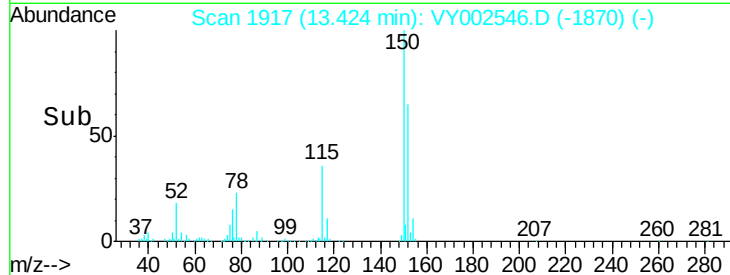
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.5	82.4
150	156.6	0.0	346.4



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



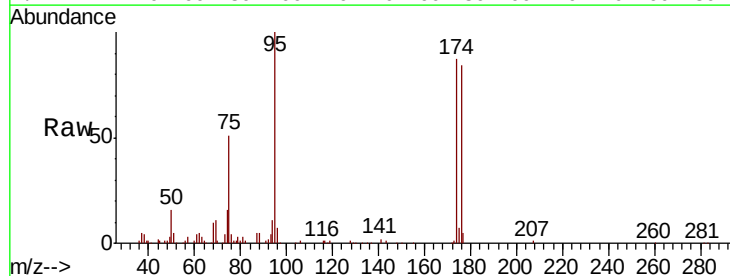
Time-->



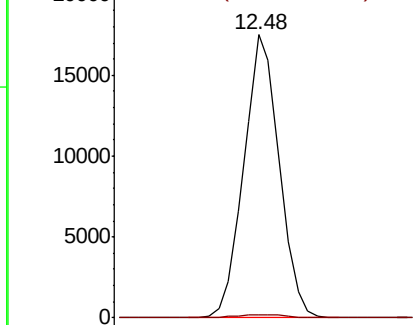
#76

1,2,3-Trichloropropane
Concen: 49.628 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY002546.D
Acq: 04 May 2020 17:10

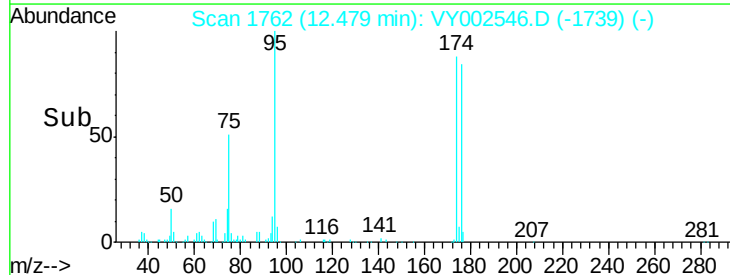
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

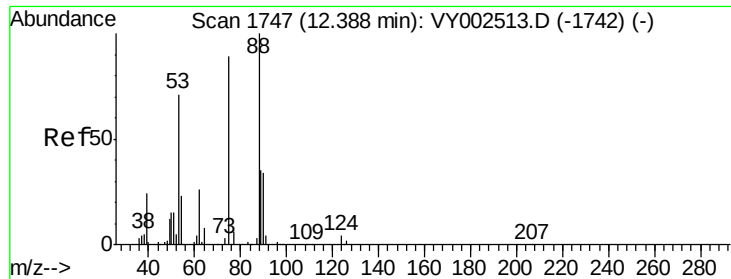


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 99.514 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002546.D

Acq: 04 May 2020 17:10

Instrument :

MSVOA_Y

ClientSampleId :

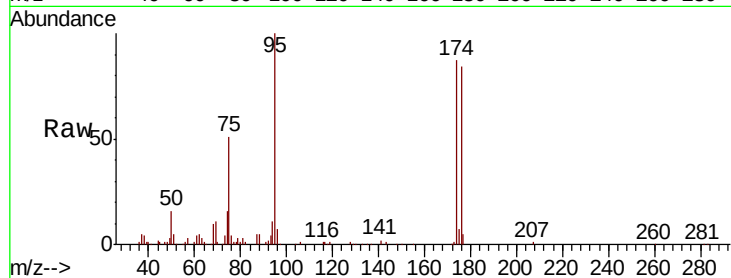
Tot Ion: 75 Resp: 26438

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#



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

