

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002376.D
 Acq On : 16 Apr 2020 18:38
 Operator : SY/MD
 Sample : L2271-03
 Misc : 4.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

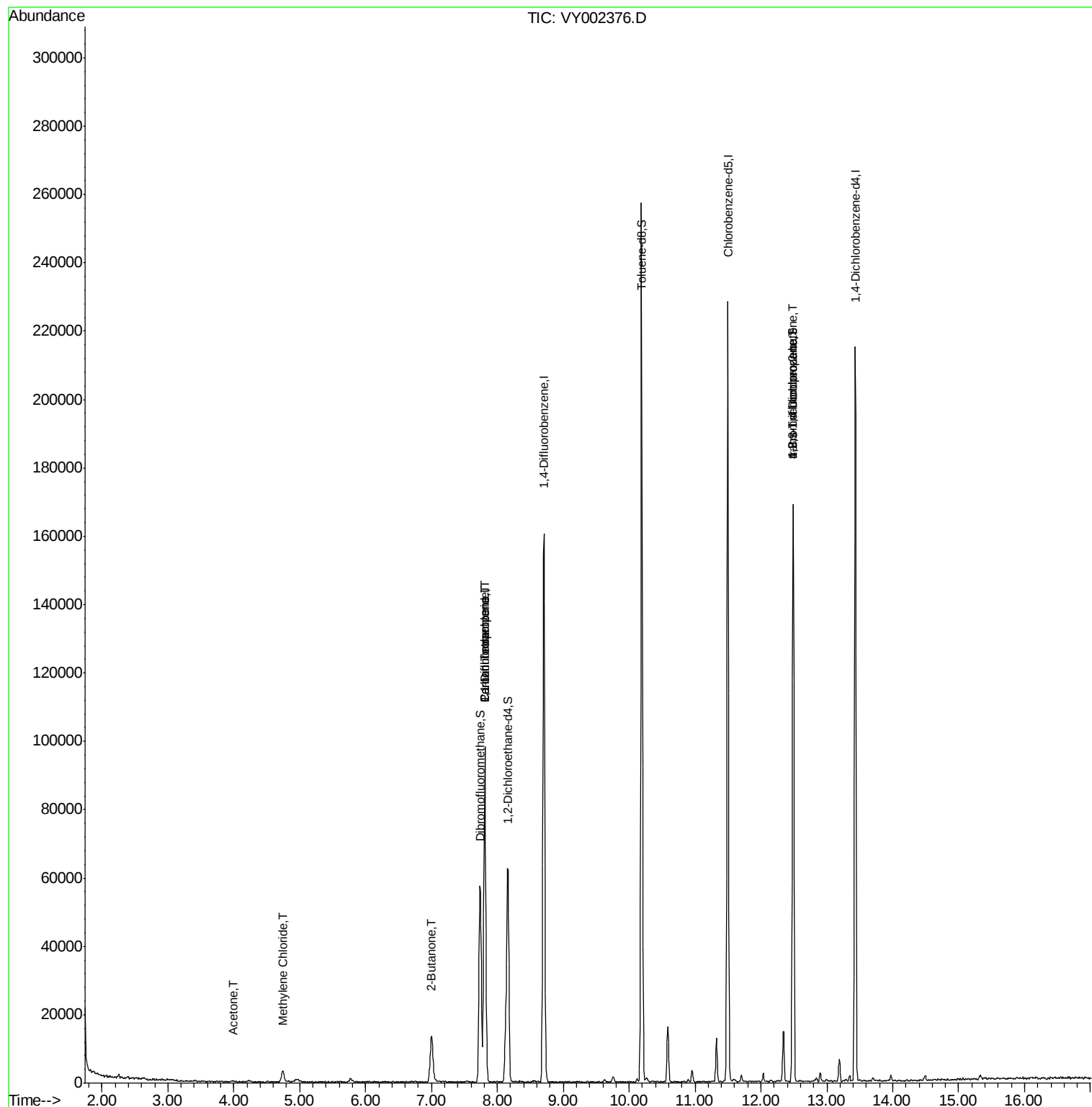
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	74444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	142947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	127782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	53145	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	41594	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
35) Dibromofluoromethane	7.74	113	42793	50.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.62%	
50) Toluene-d8	10.19	98	172800	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.49	95	55637	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	1501	Below Cal	#	77
16) Acetone	3.99	43	607	2.784	ug/l #	84
20) Methylene Chloride	4.75	84	2520	2.351	ug/l #	88
25) 2-Butanone	7.00	43	602	1.745	ug/l #	46
36) 1,1-Dichloropropene	7.81	75	6091	4.326	ug/l #	50
38) Carbon Tetrachloride	7.81	117	7548	6.267	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	26904	43.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	26904	84.792	ug/l #	19

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

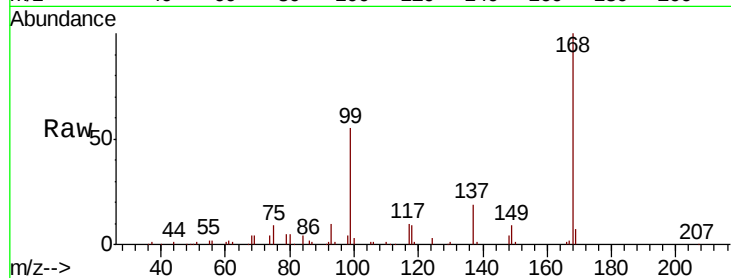
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 74444

Ion Ratio Lower Upper

168 100

99 55.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

30000

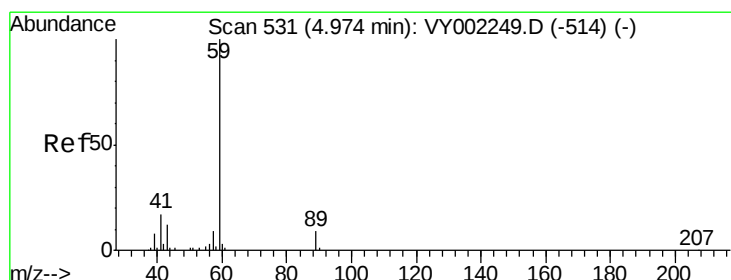
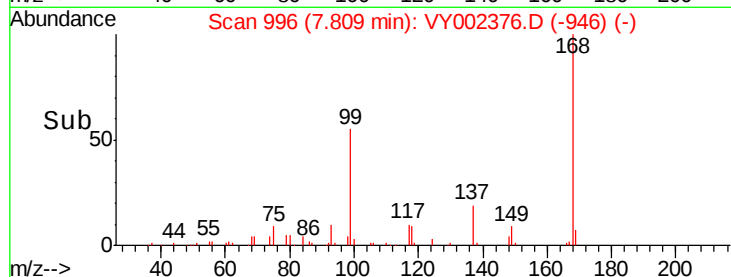
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002376.D

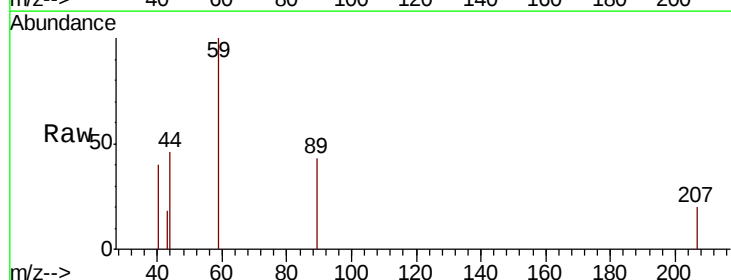
Acq: 16 Apr 2020 18:38

Tgt Ion: 59 Resp: 1501

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.97

400

300

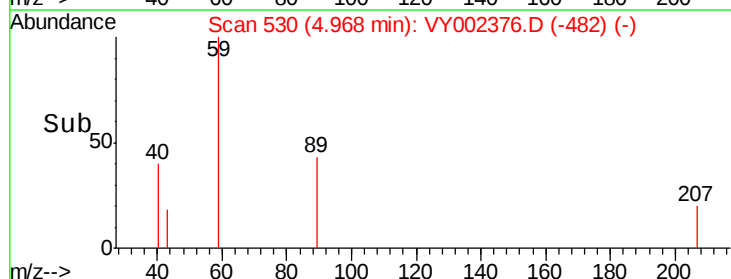
200

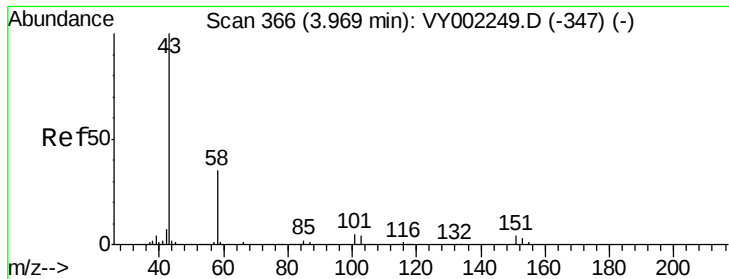
100

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 2.784 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

Instrument :

MSVOA_Y

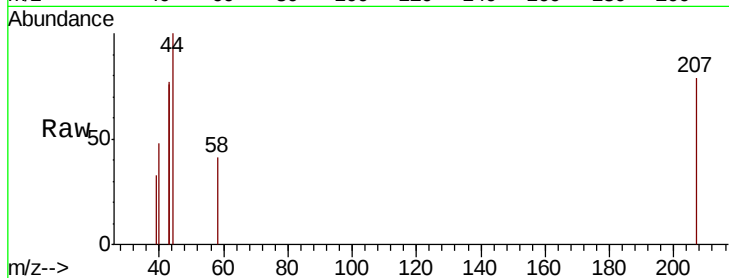
ClientSampleId :

Tot Ion: 43 Resp: 607

Ion Ratio Lower Upper

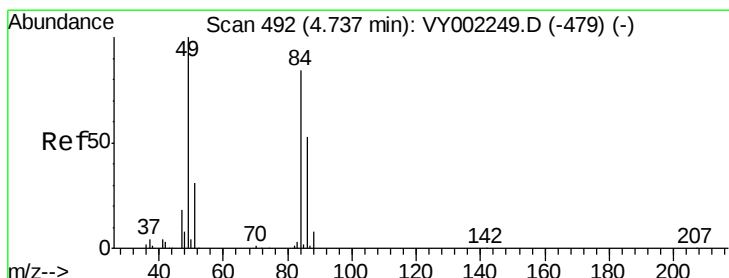
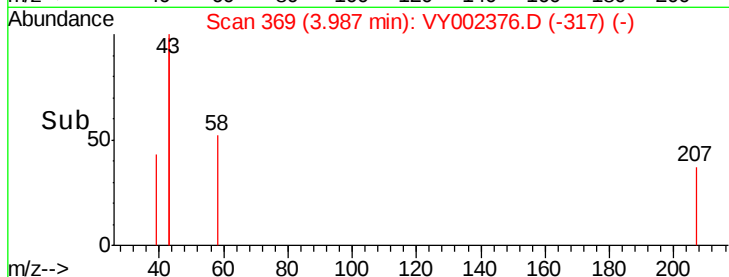
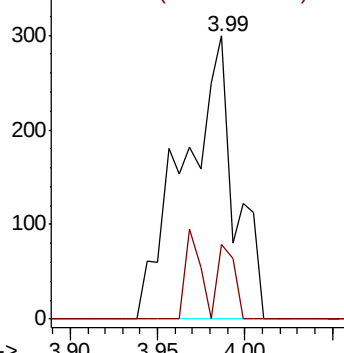
43 100

58 26.4 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.351 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

Tgt Ion: 84 Resp: 2520

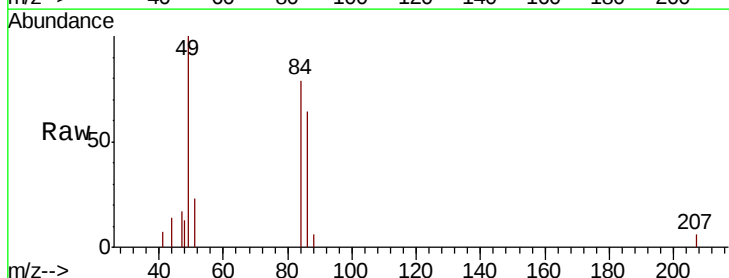
Ion Ratio Lower Upper

84 100

49 126.8 95.5 143.3

51 29.0 29.5 44.3#

86 80.6 50.7 76.1#

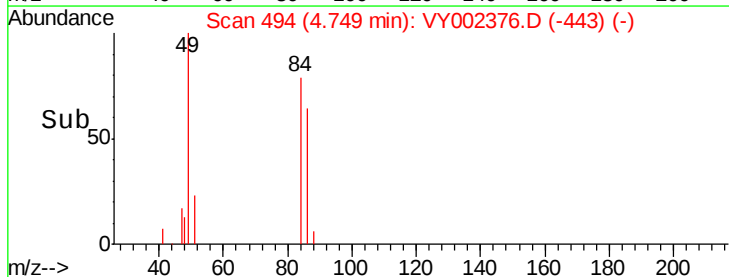
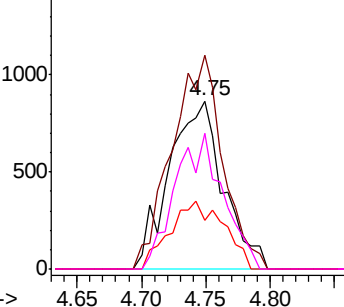


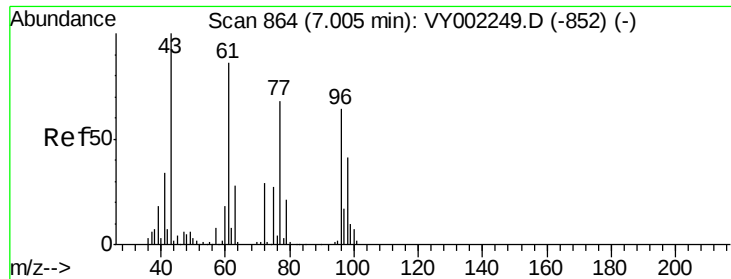
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#25

2-Butanone

Concen: 1.745 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

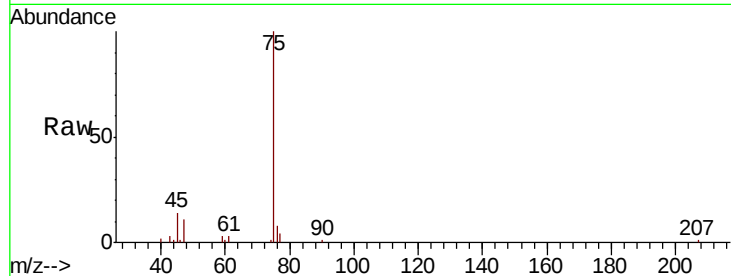
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

250

200

150

100

50

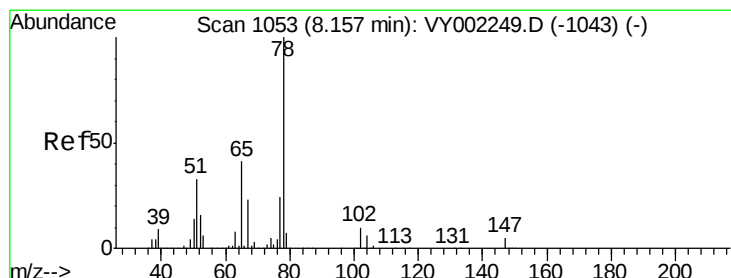
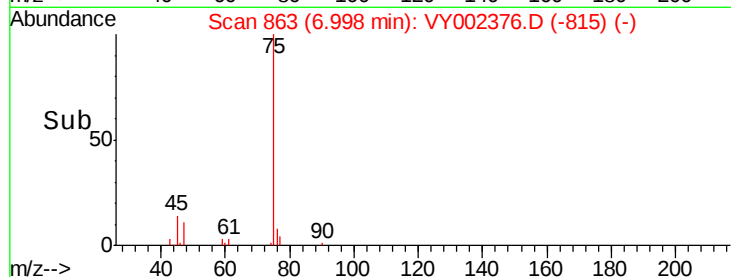
0

6.95

7.00

7.05

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.242 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002376.D

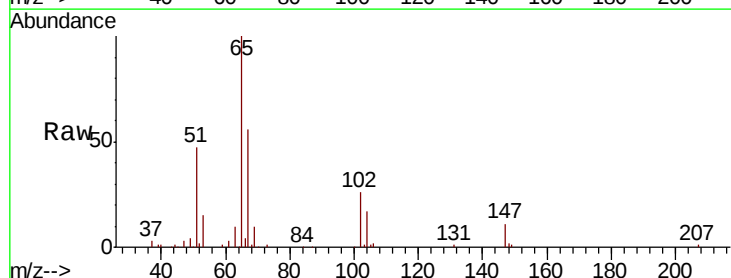
Acq: 16 Apr 2020 18:38

Tgt Ion: 65 Resp: 41594

Ion Ratio Lower Upper

65 100

67 56.9 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

20000

15000

10000

5000

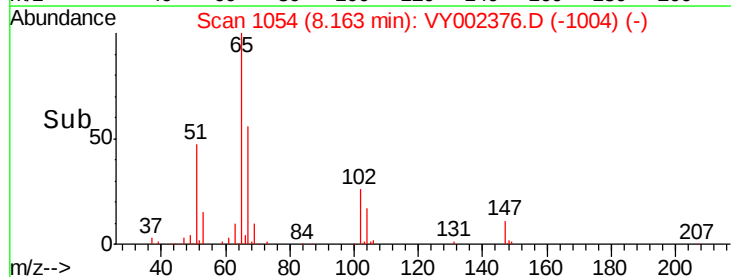
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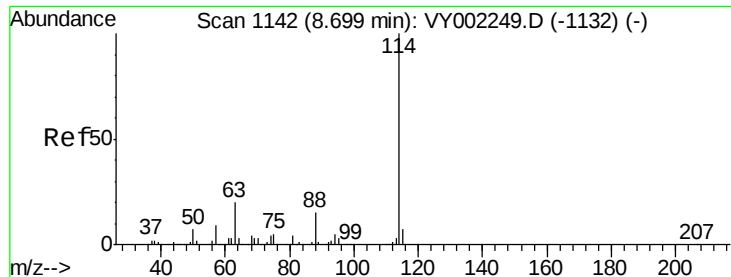
8.10

8.16

8.20

Time-->

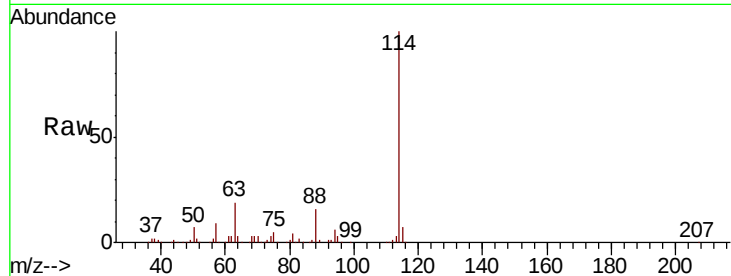




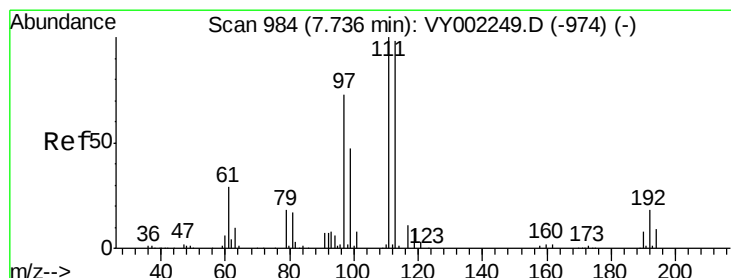
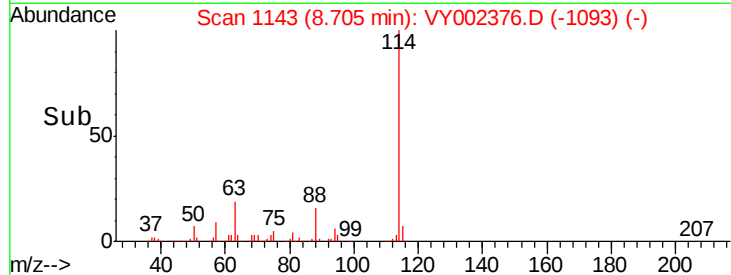
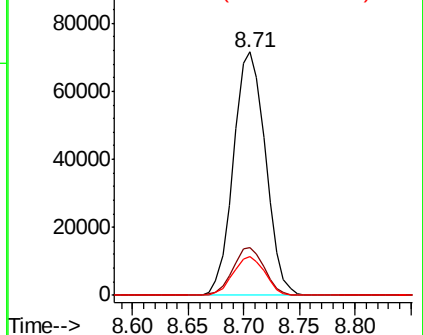
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.0
88	15.7	0.0	31.0

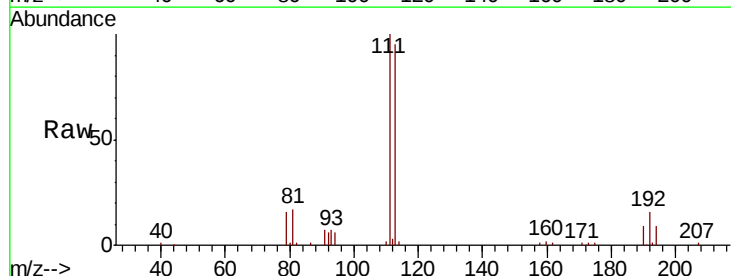


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

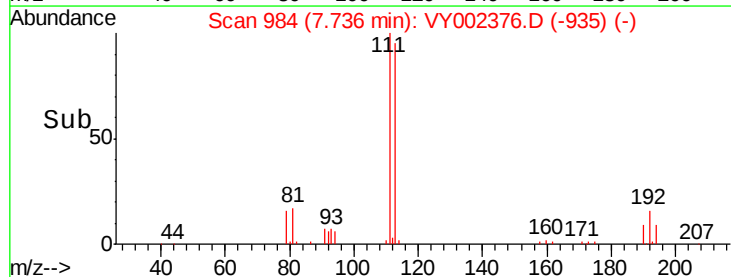
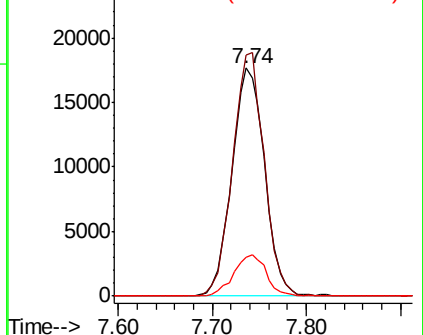


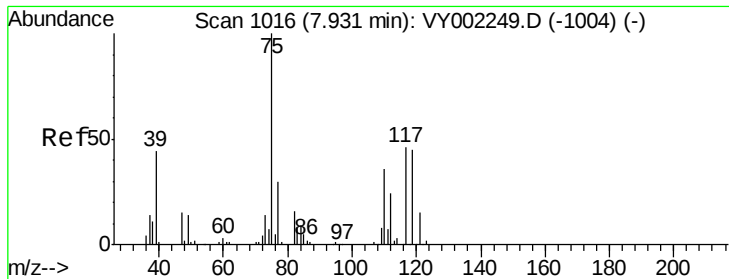
#35
 Dibromofluoromethane
 Concen: 50.310 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.5	125.3
192	17.8	14.7	22.1



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

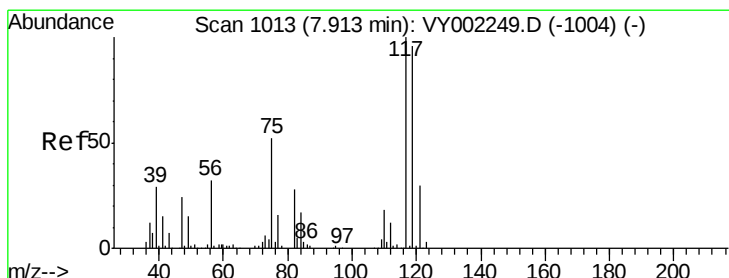
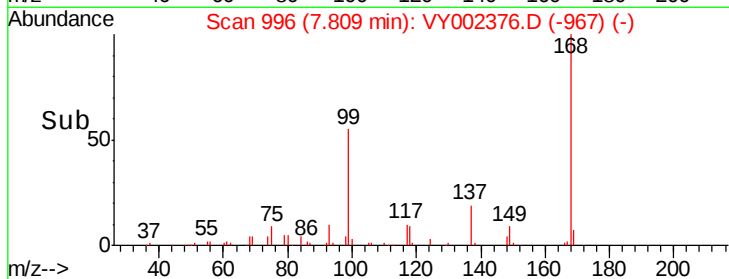
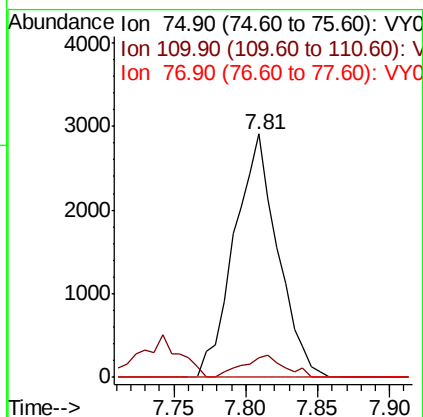
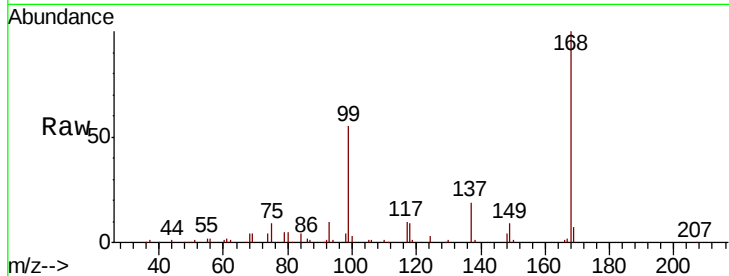




#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

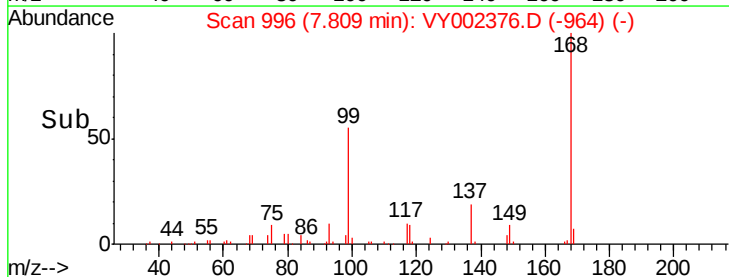
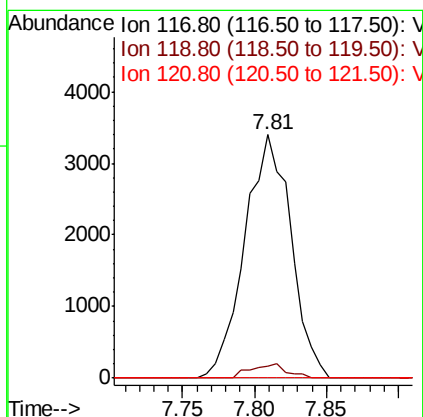
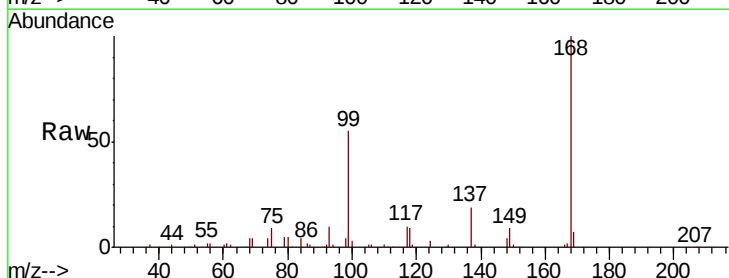
Instrument :
 MSVOA_Y
 ClientSampleId :

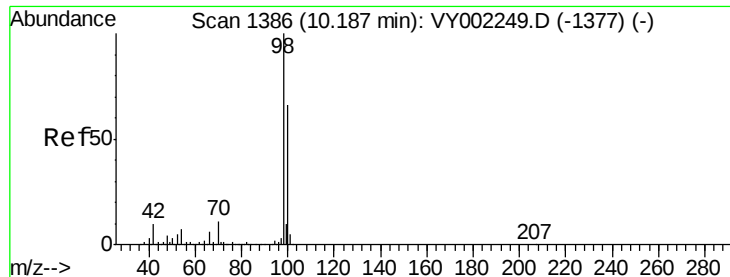
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.267 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.1	115.7#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 48.537 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

Instrument :

MSVOA_Y

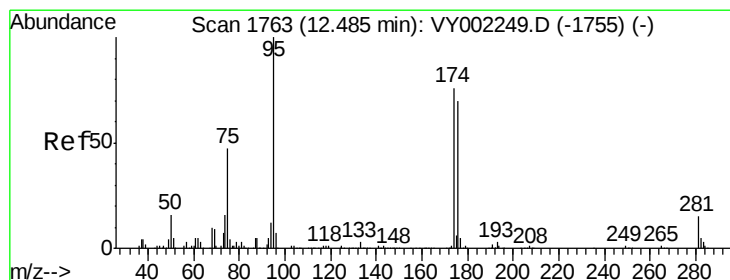
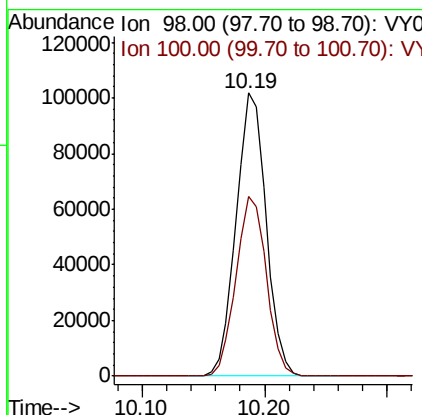
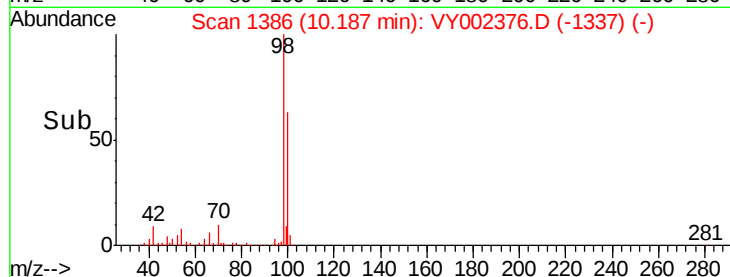
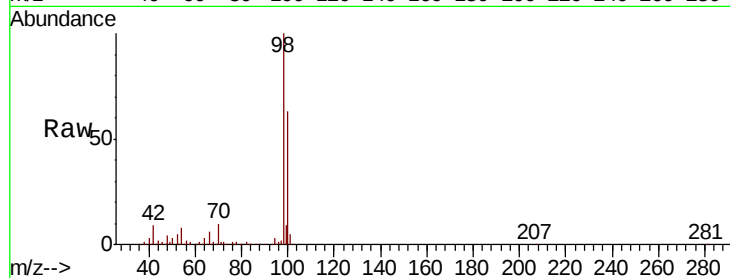
ClientSampleId :

Tot Ion: 98 Resp: 172800

Ion Ratio Lower Upper

98 100

100 64.3 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 47.369 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

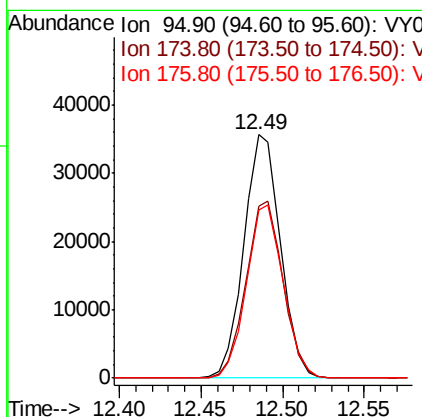
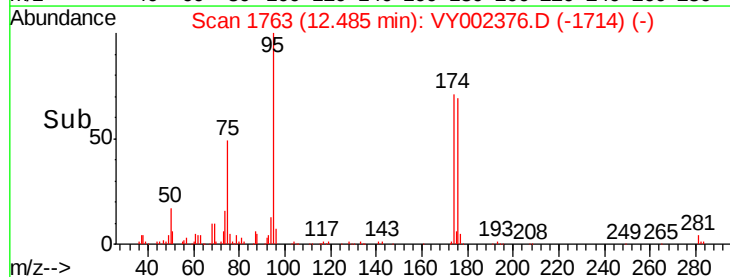
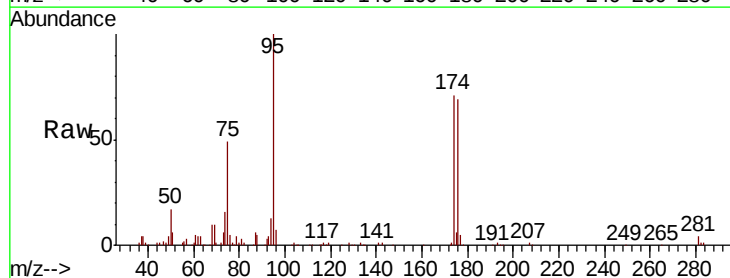
Tgt Ion: 95 Resp: 55637

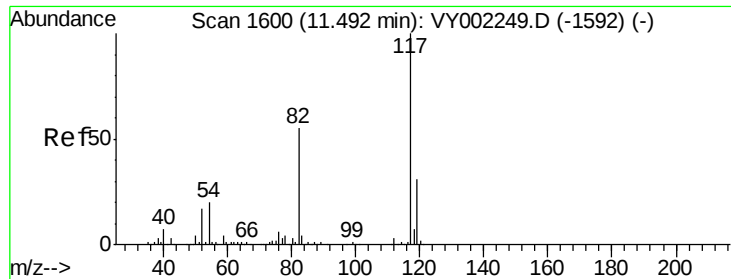
Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.6

176 71.3 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

Instrument :

MSVOA_Y

ClientSampleId :

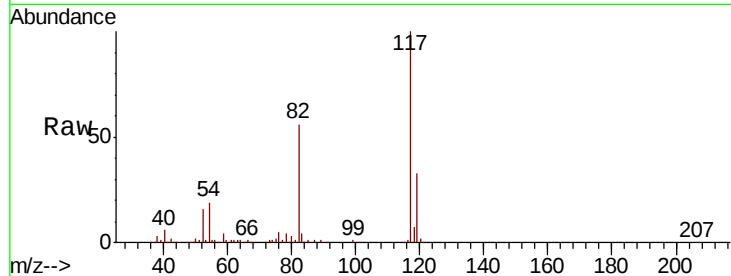
Tot Ion:117 Resp: 127782

Ion Ratio Lower Upper

117 100

82 55.8 44.2 66.4

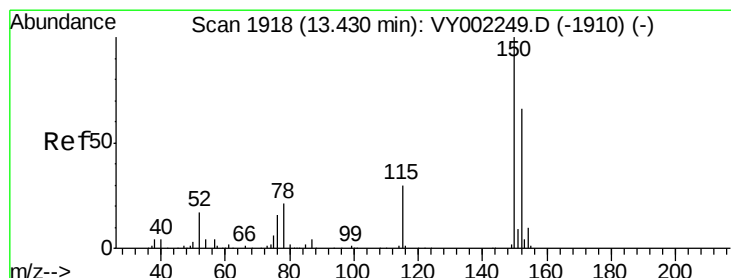
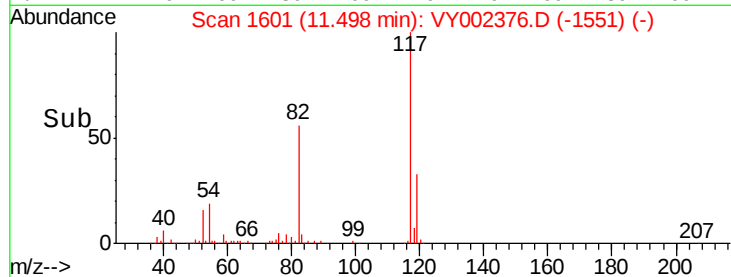
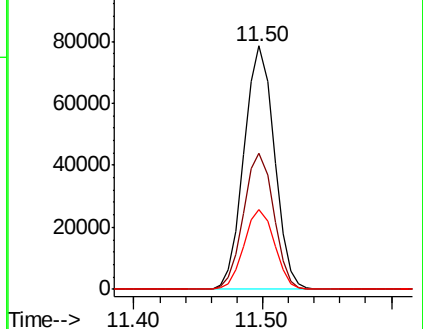
119 32.8 25.1 37.7



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: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002376.D

Acq: 16 Apr 2020 18:38

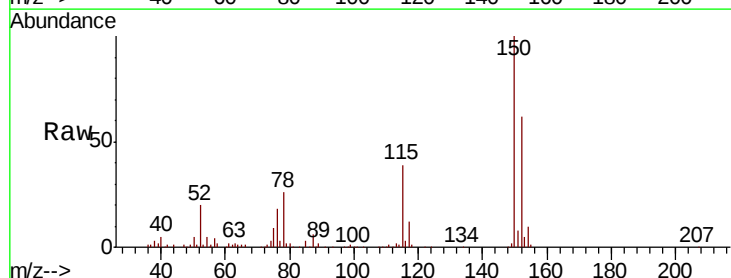
Tgt Ion:152 Resp: 53145

Ion Ratio Lower Upper

152 100

115 61.7 30.7 92.1

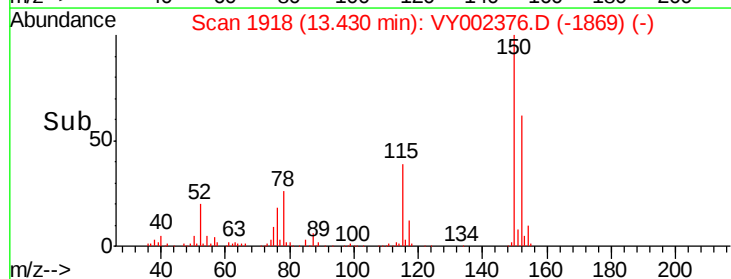
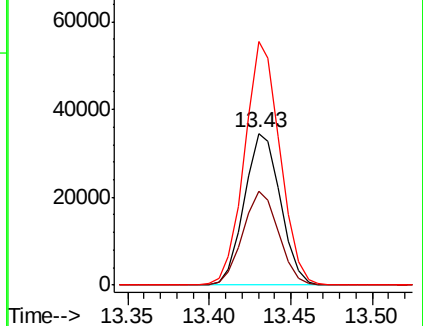
150 157.4 0.0 350.6

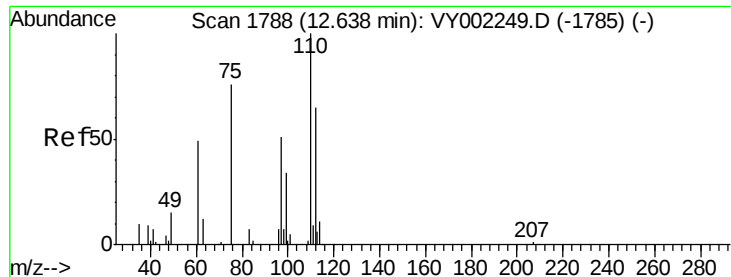


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

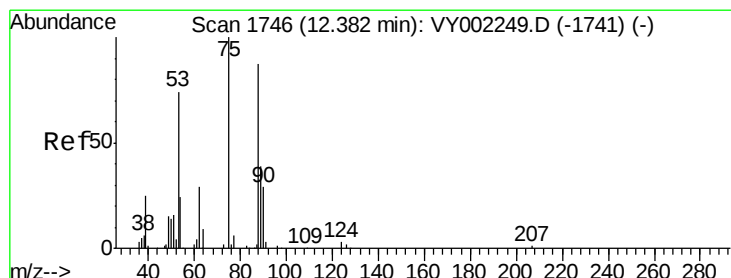
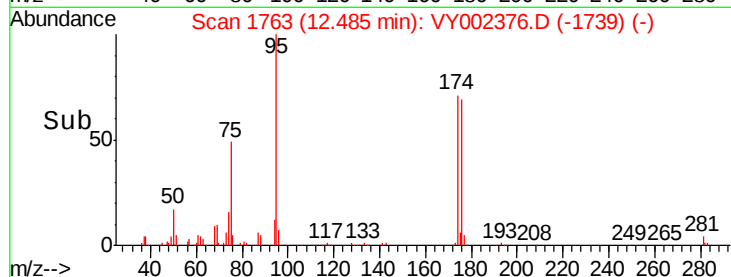
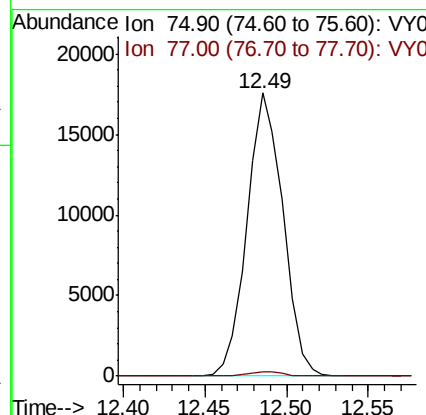
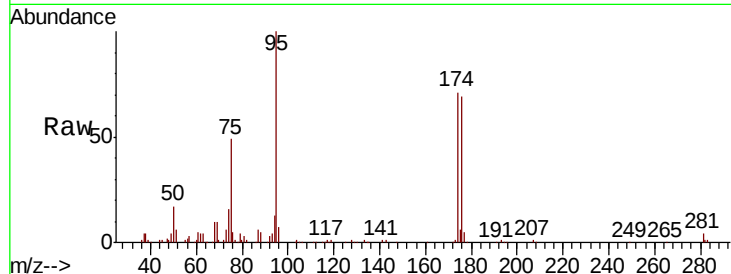




#76
 1,2,3-Trichloropropane
 Concen: 43.595 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 26904
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.792 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.10 min
 Lab File: VY002376.D
 Acq: 16 Apr 2020 18:38

Tgt Ion: 75 Resp: 26904
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.8 89.8#
 89 0.0 37.0 55.6#

