

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002319.D
 Acq On : 14 Apr 2020 19:10
 Operator : SY/MD
 Sample : L2230-23RE
 Misc : 6.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:37:42 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

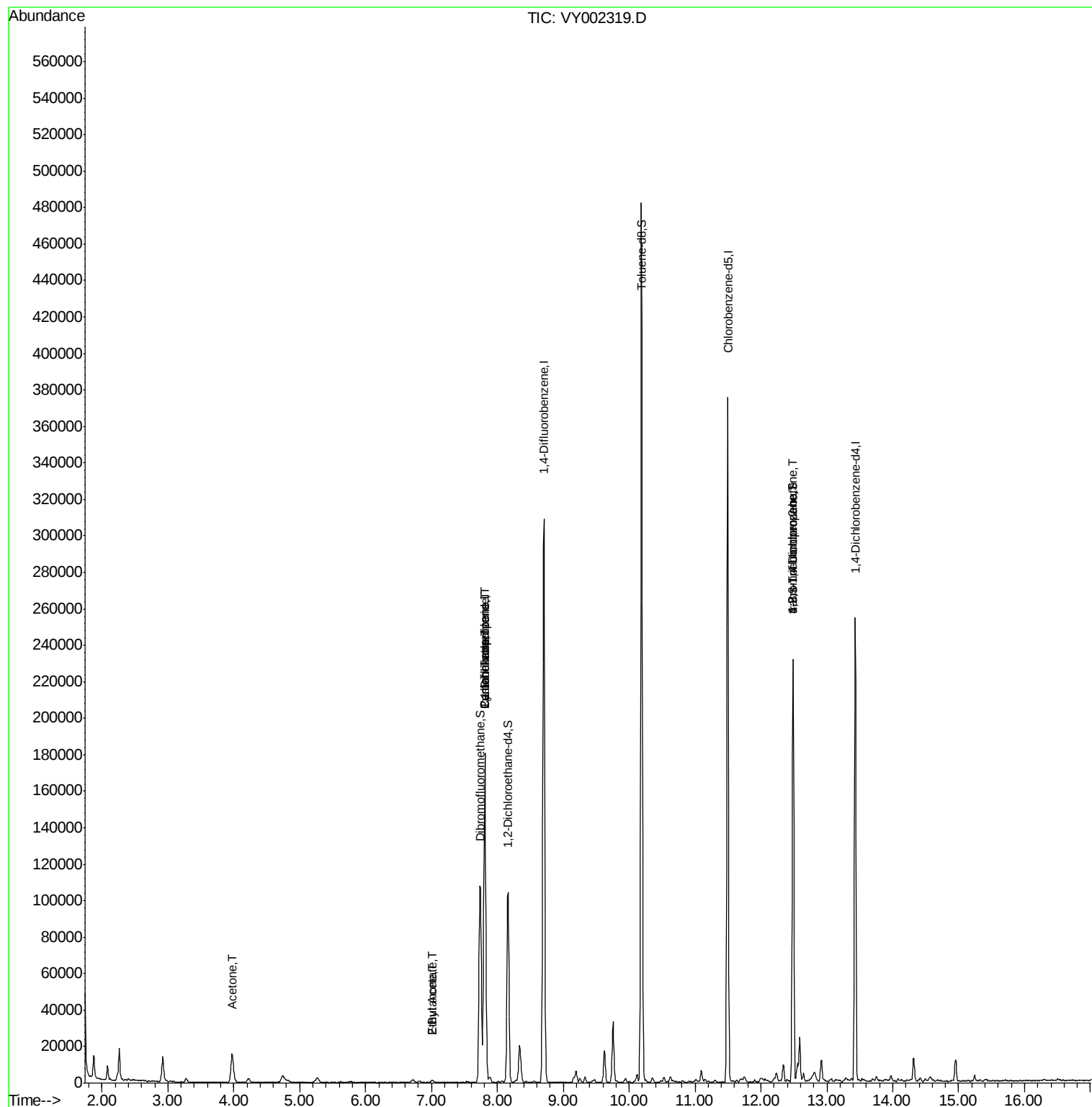
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	139551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	271039	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	209650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	63343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	75976	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.74	113	81671	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.19	98	316919	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.49	95	78225	35.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.24%	
Target Compounds						
16) Acetone	3.97	43	27414	67.069	ug/l	97
25) 2-Butanone	7.01	43	1732	2.678	ug/l #	83
31) Cyclohexane	7.81	56	3703	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11380	4.263	ug/l #	49
37) Ethyl Acetate	7.01	43	1732	1.136	ug/l #	79
38) Carbon Tetrachloride	7.80	117	13842	6.062	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	37803	51.394	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	37803	99.961	ug/l #	19

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002319.D

Acq: 14 Apr 2020 19:10

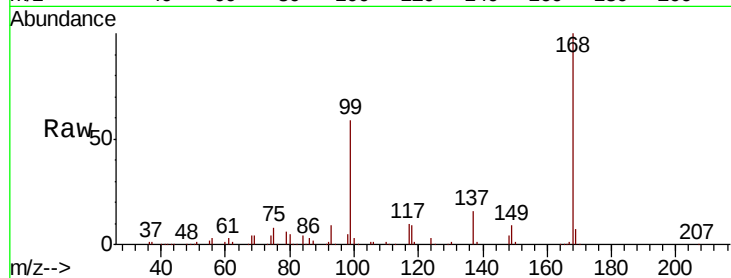
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 139551

Ion Ratio Lower Upper

168 100

99 59.4 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002319.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002319.D (-985) (-)

7.81

60000

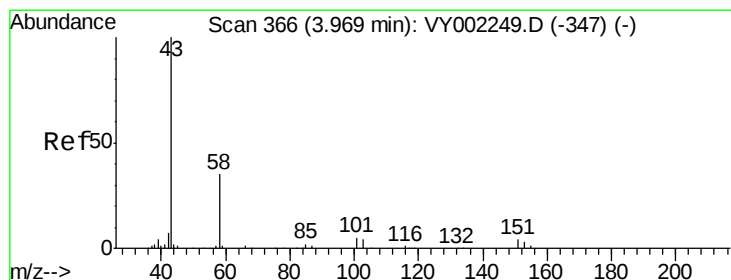
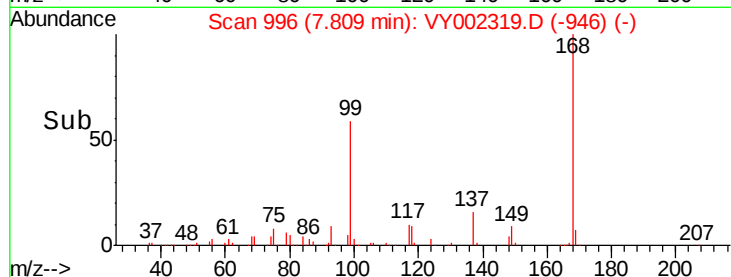
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 67.069 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002319.D

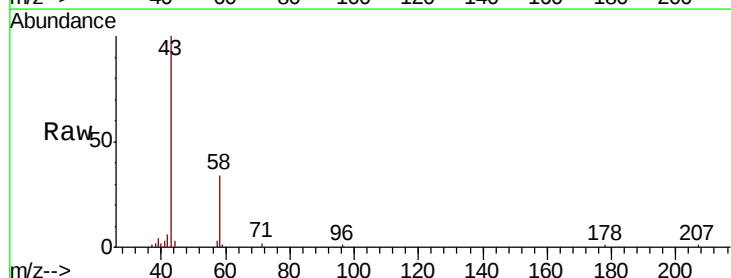
Acq: 14 Apr 2020 19:10

Tgt Ion: 43 Resp: 27414

Ion Ratio Lower Upper

43 100

58 33.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002319.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VY002319.D (-317) (-)

3.97

10000

8000

6000

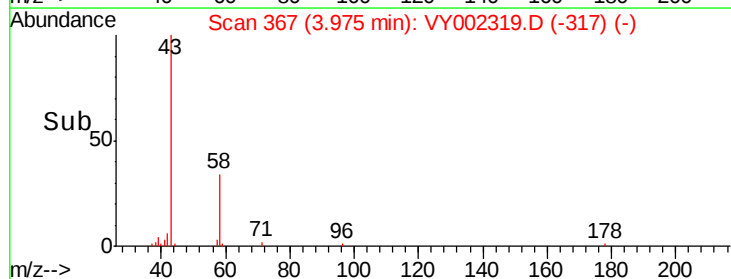
4000

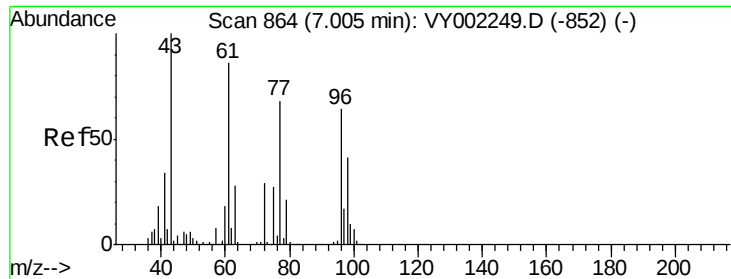
2000

0

3.80 3.90 4.00 4.10

Time-->

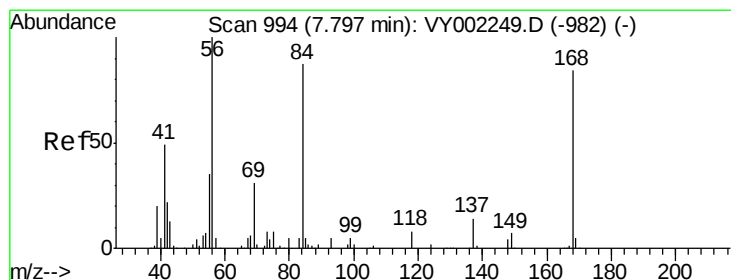
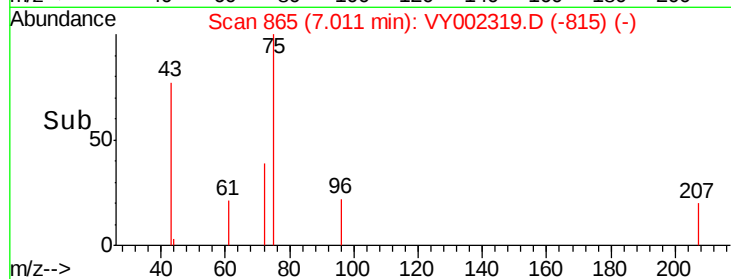
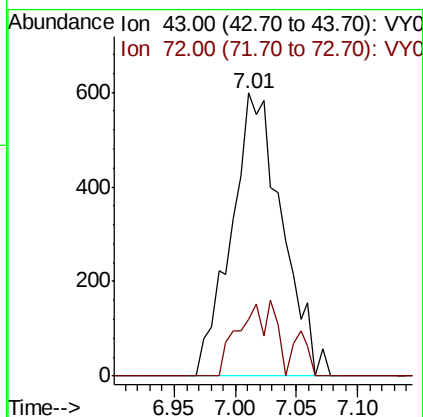
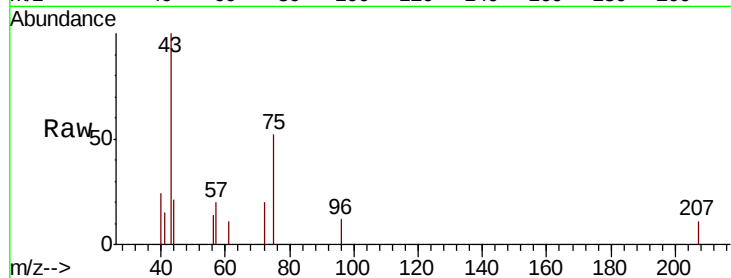




#25
2-Butanone
Concen: 2.678 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

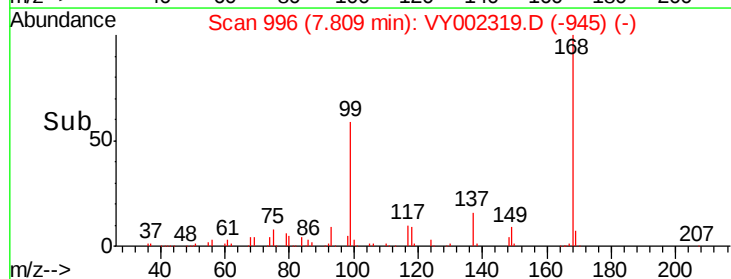
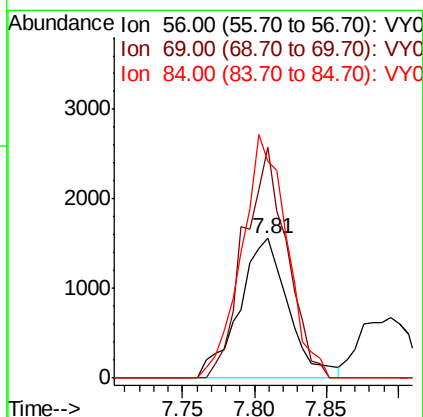
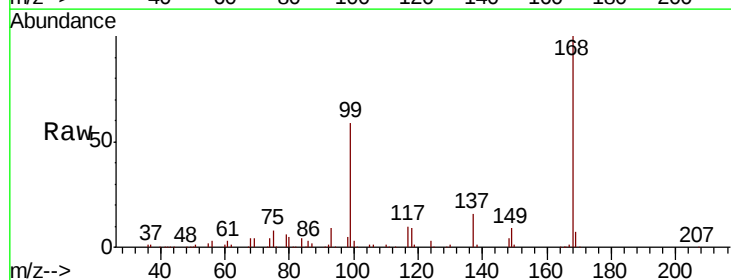
Instrument :
MSVOA_Y
ClientSampleId :

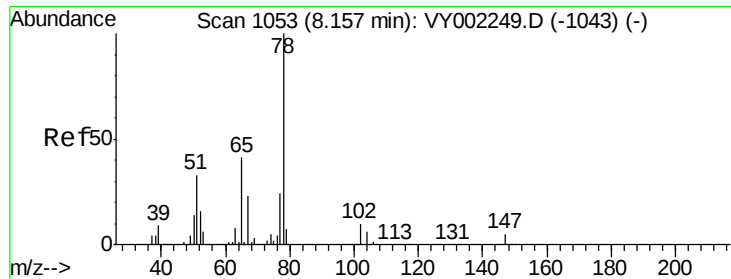
Tot Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
72 20.1 23.2 34.8#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

Tgt Ion: 56 Resp: 3703
Ion Ratio Lower Upper
56 100
69 165.2 25.0 37.6#
84 154.6 69.7 104.5#

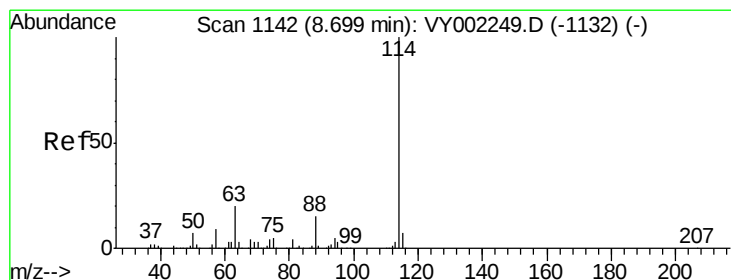
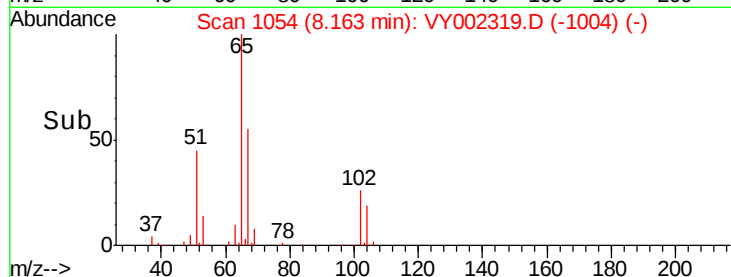
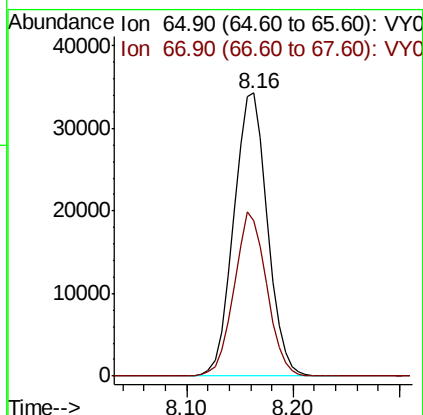
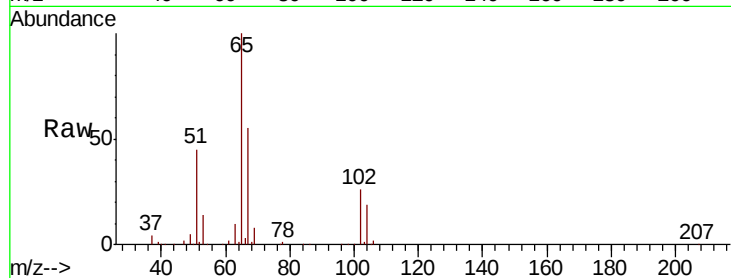




#33
 1,2-Dichloroethane-d4
 Concen: 48.957 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002319.D
 Acq: 14 Apr 2020 19:10

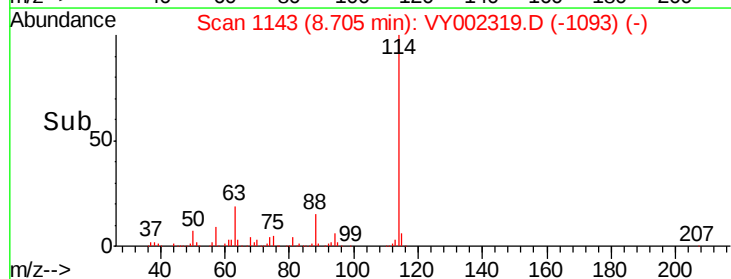
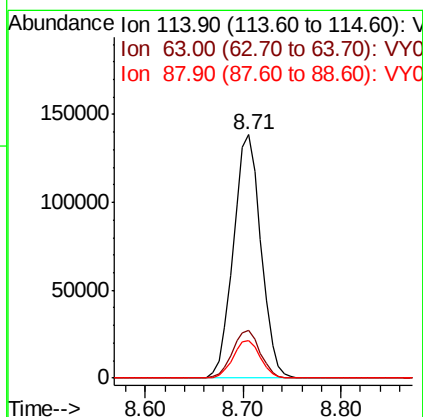
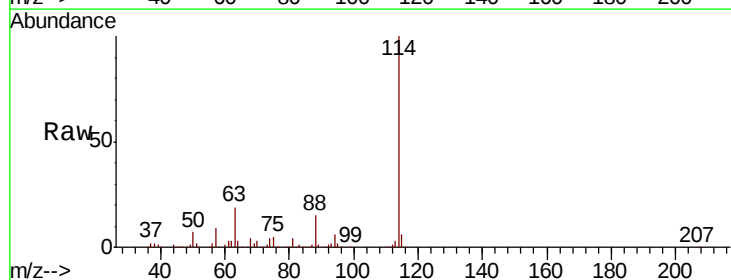
Instrument :
 MSVOA_Y
 ClientSampleId :

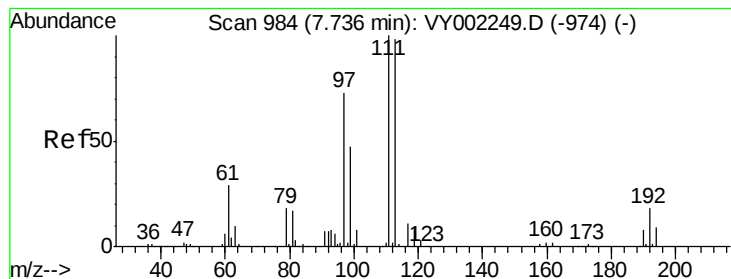
Tot Ion: 65 Resp: 75976
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002319.D
 Acq: 14 Apr 2020 19:10

Tgt Ion: 114 Resp: 271039
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.640 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002319.D

Acq: 14 Apr 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

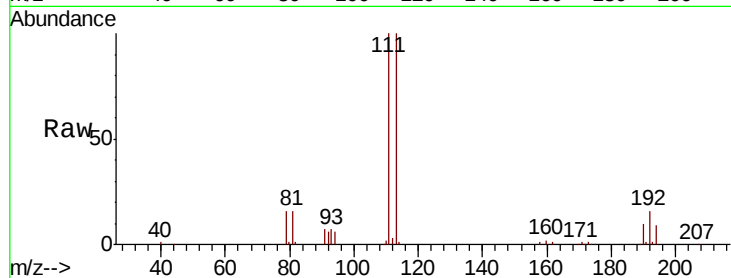
Tot Ion:113 Resp: 81671

Ion Ratio Lower Upper

113 100

111 101.7 83.5 125.3

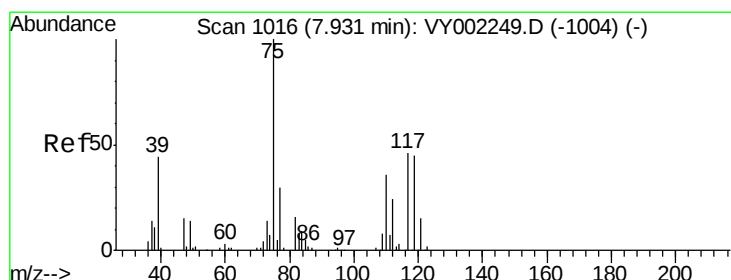
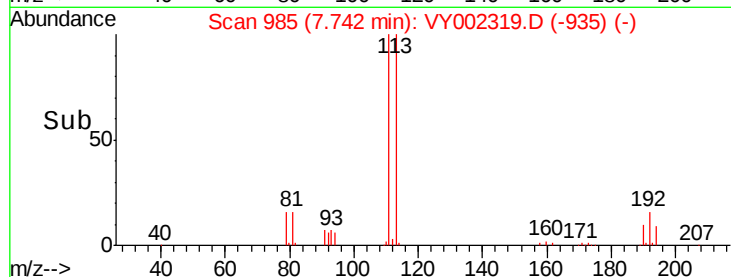
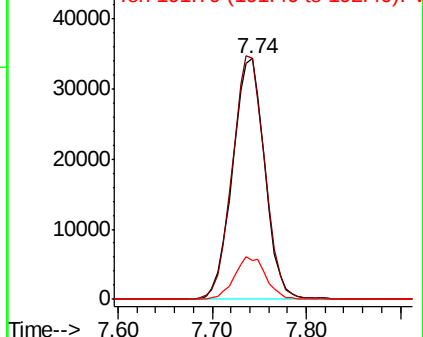
192 17.3 14.7 22.1



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: 4.263 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002319.D

Acq: 14 Apr 2020 19:10

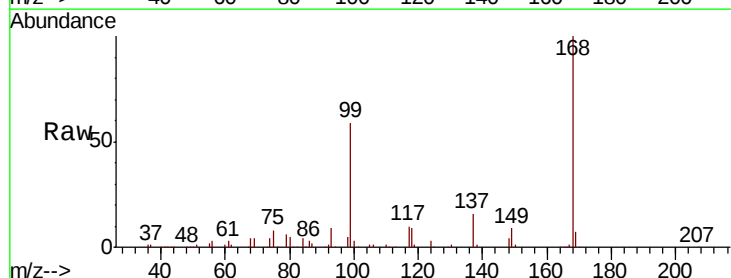
Tgt Ion: 75 Resp: 11380

Ion Ratio Lower Upper

75 100

110 7.8 17.8 53.3#

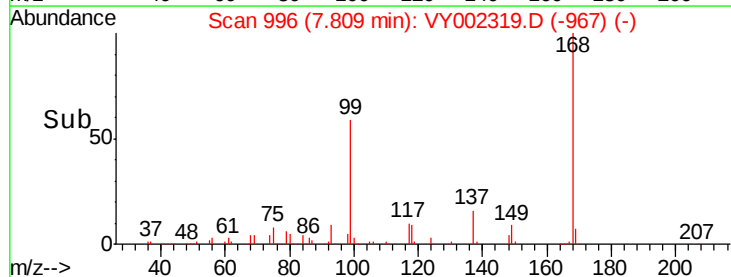
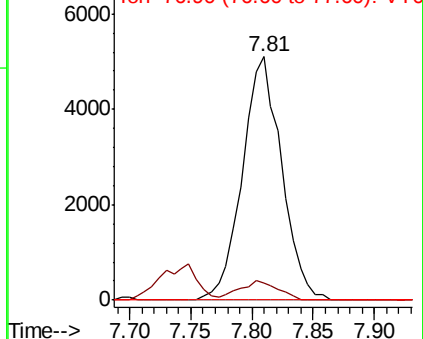
77 0.0 24.4 36.6#

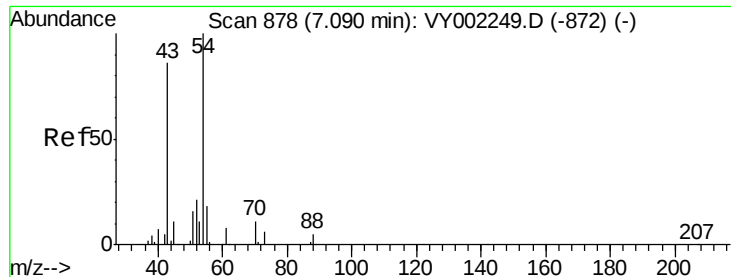


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

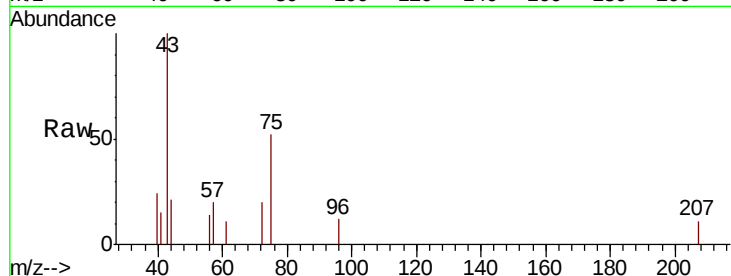




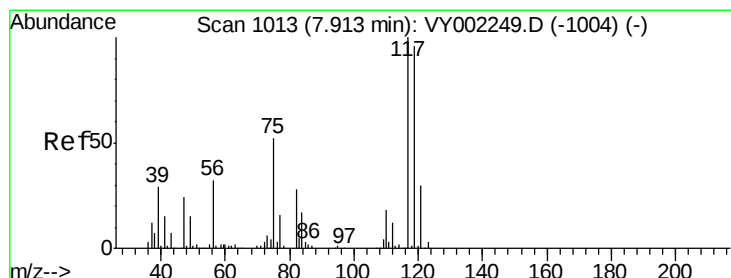
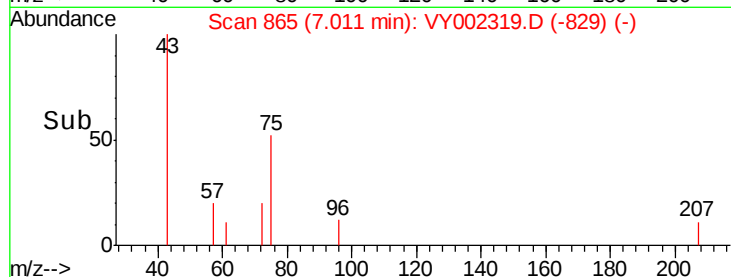
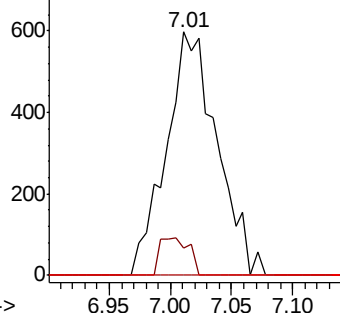
#37
Ethyl Acetate
Concen: 1.136 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.08 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
61 8.7 11.8 17.6#
70 0.0 9.1 13.7#

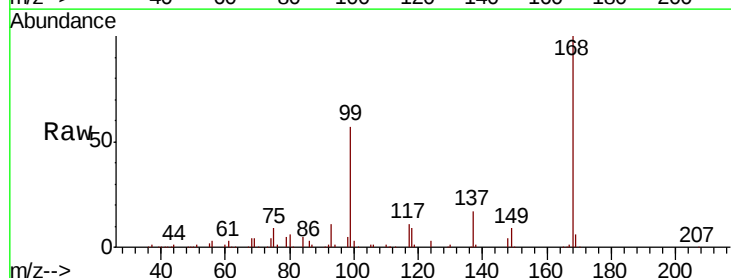


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

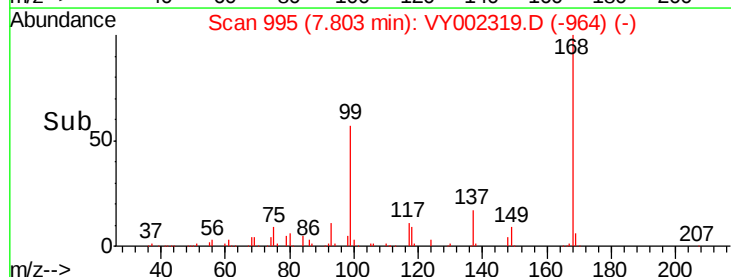
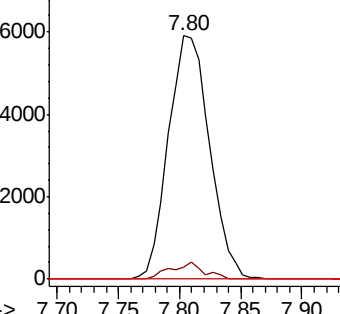


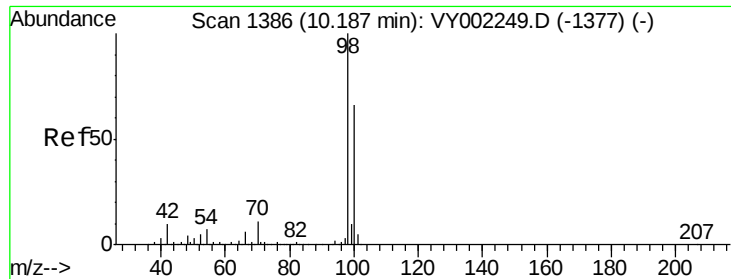
#38
Carbon Tetrachloride
Concen: 6.062 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

Tgt Ion: 117 Resp: 13842
Ion Ratio Lower Upper
117 100
119 5.0 77.1 115.7#
121 0.0 23.9 35.9#



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

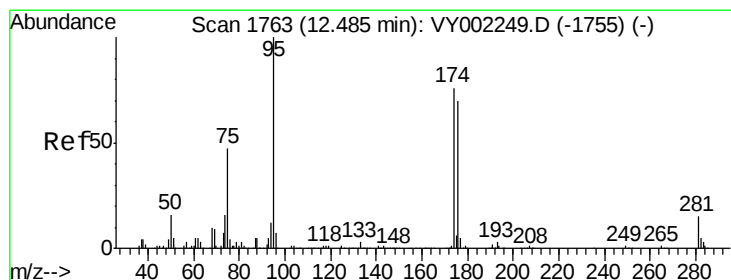
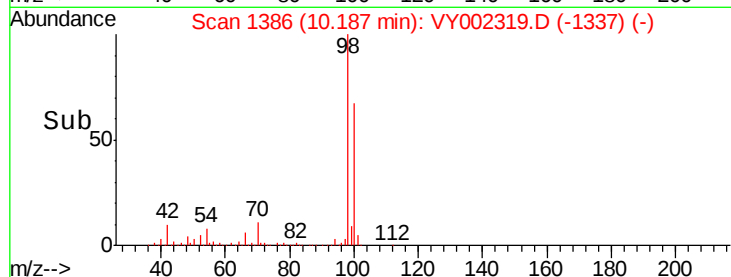
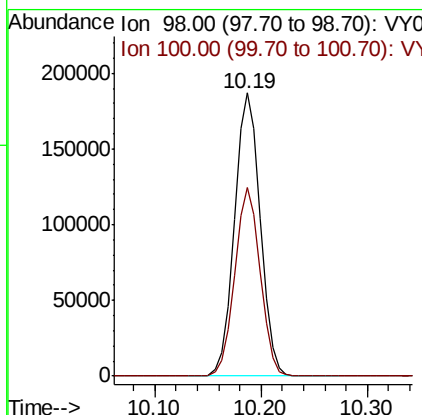
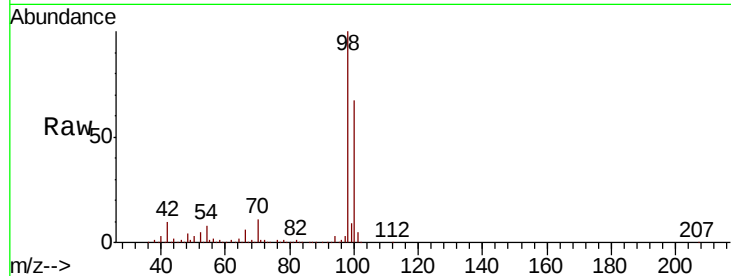




#50
Toluene-d8
Concen: 46.948 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

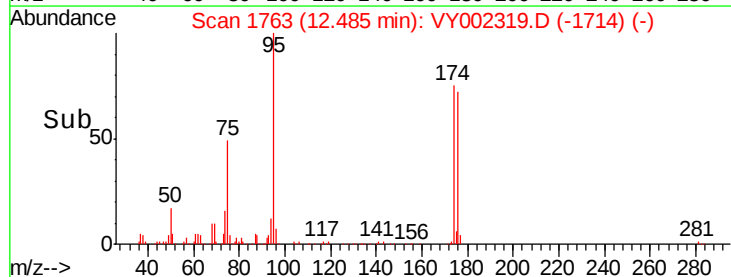
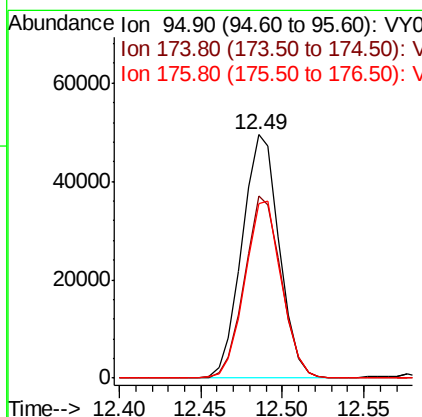
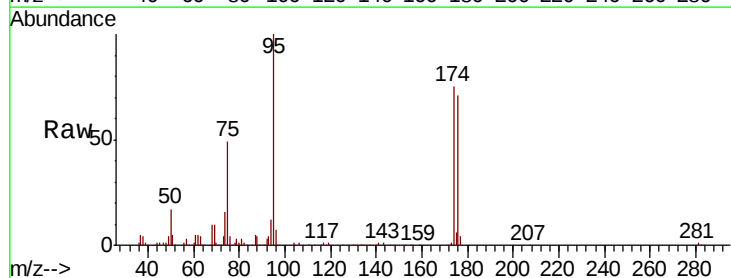
Instrument :
MSVOA_Y
ClientSampleId :

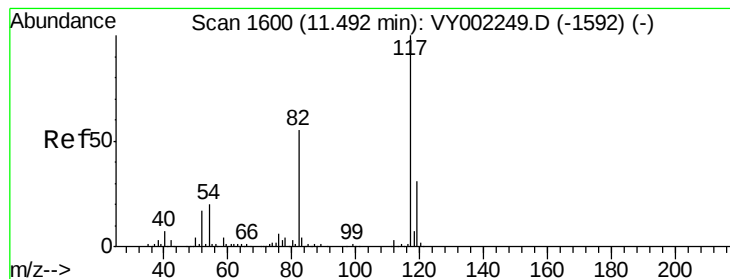
Tot Ion: 98 Resp: 316919
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 35.125 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002319.D
Acq: 14 Apr 2020 19:10

Tgt Ion: 95 Resp: 78225
Ion Ratio Lower Upper
95 100
174 74.0 0.0 150.6
176 72.1 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: VY002319.D

Acq: 14 Apr 2020 19:10

Instrument :

MSVOA_Y

ClientSampleId :

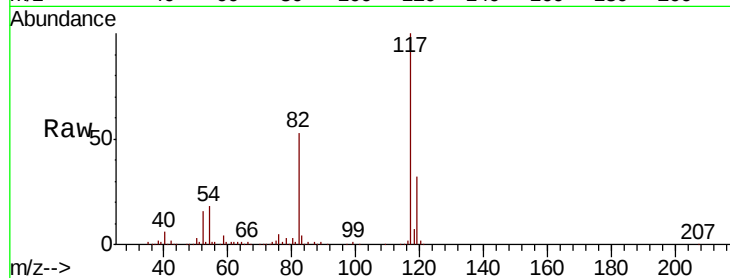
Tot Ion:117 Resp: 209650

Ion Ratio Lower Upper

117 100

82 53.3 44.2 66.4

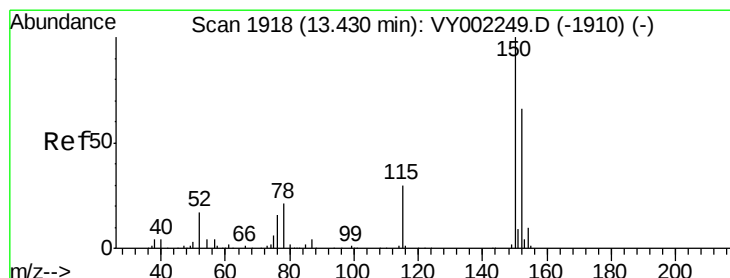
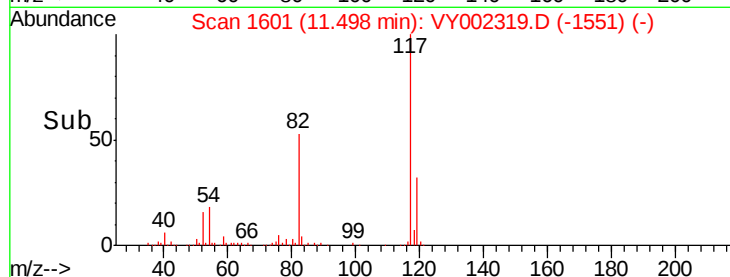
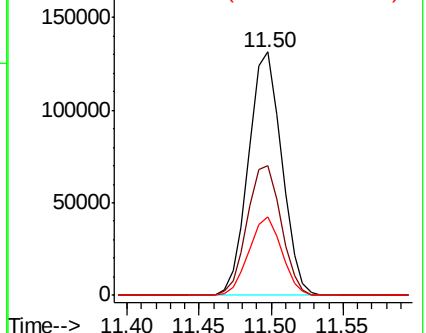
119 32.0 25.1 37.7



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: VY002319.D

Acq: 14 Apr 2020 19:10

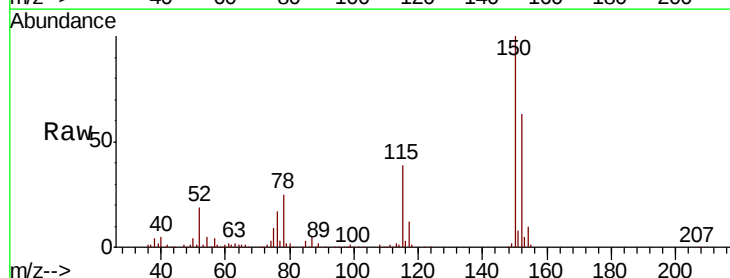
Tgt Ion:152 Resp: 63343

Ion Ratio Lower Upper

152 100

115 61.0 30.7 92.1

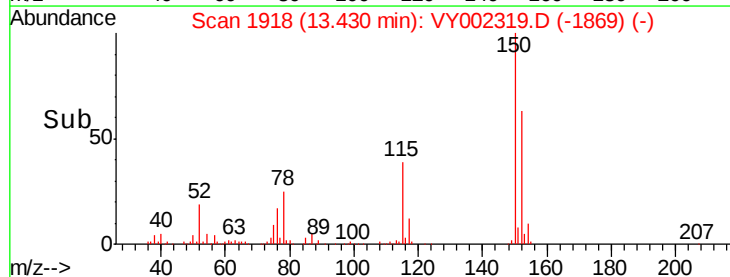
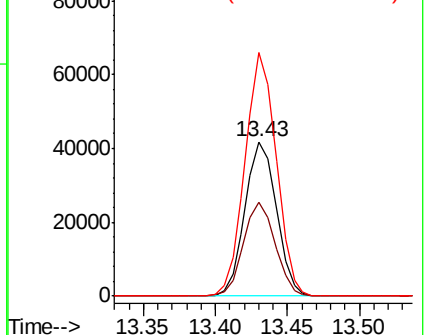
150 156.5 0.0 350.6

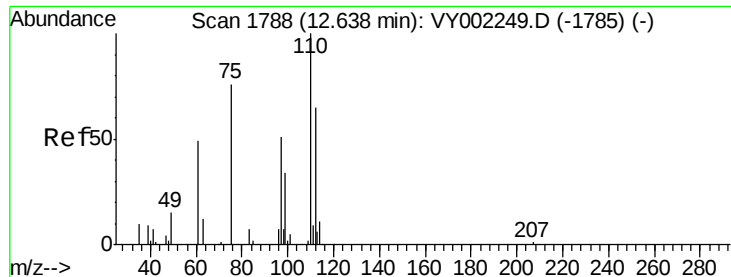


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.394 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002319.D

Acq: 14 Apr 2020 19:10

Instrument :

MSVOA_Y

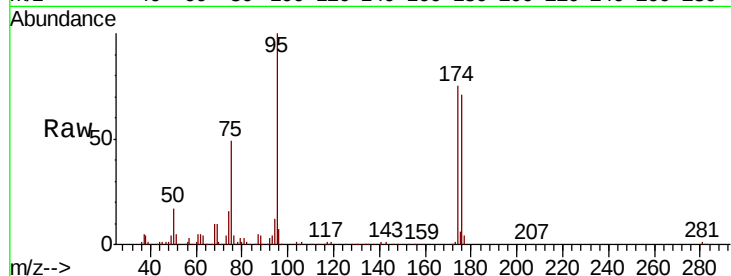
ClientSampleId :

Tot Ion: 75 Resp: 37803

Ion Ratio Lower Upper

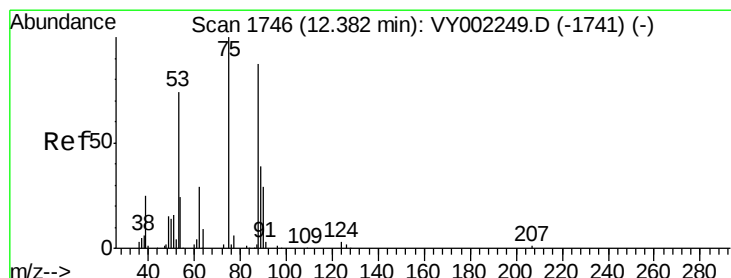
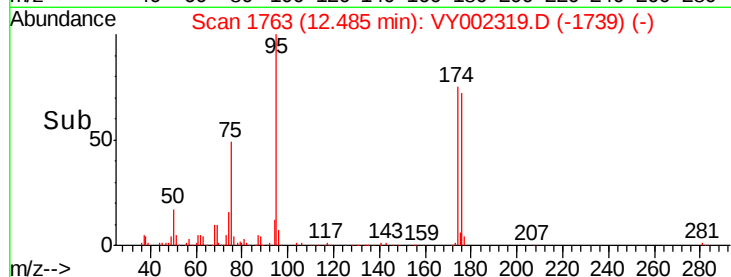
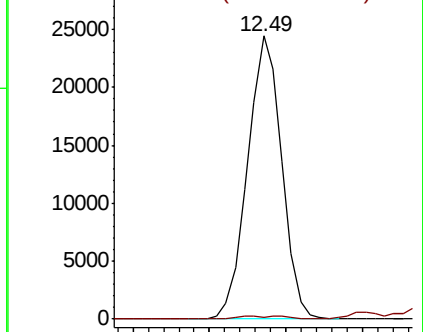
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 99.961 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002319.D

Acq: 14 Apr 2020 19:10

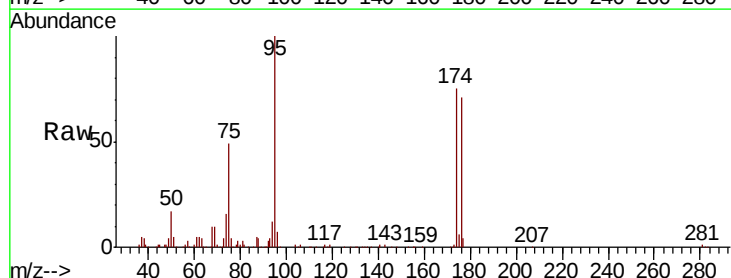
Tgt Ion: 75 Resp: 37803

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#



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

