

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002311.D
 Acq On : 14 Apr 2020 16:11
 Operator : SY/MD
 Sample : L2215-19RE
 Misc : 8.95G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:36:03 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

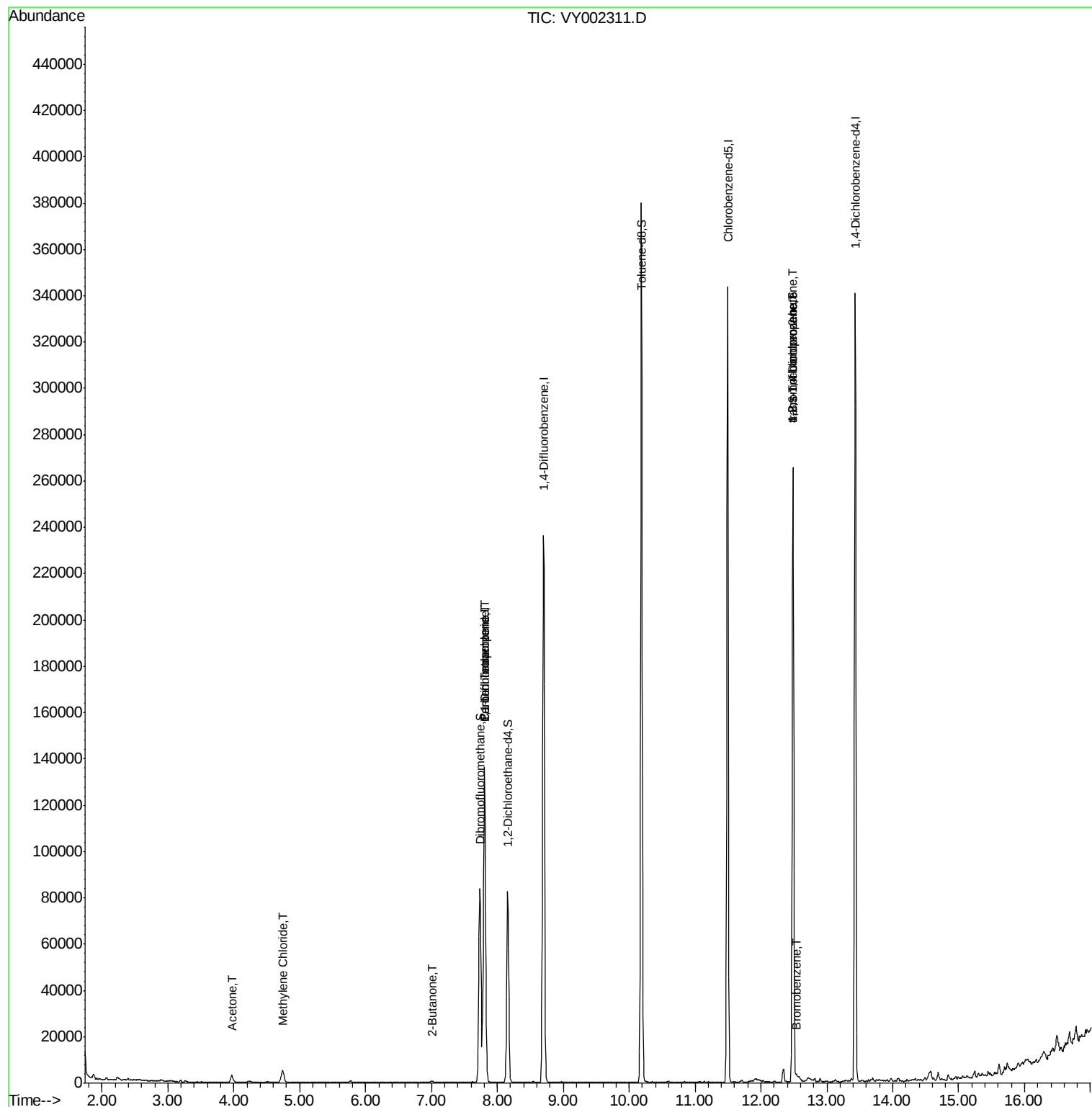
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	105209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	209112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	192426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	85113	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	59202	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
35) Dibromofluoromethane	7.74	113	62146	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
50) Toluene-d8	10.19	98	253153	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.49	95	84631	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.96	59	25	Below Cal	#	77
16) Acetone	3.97	43	4960	16.096	ug/l #	83
20) Methylene Chloride	4.74	84	3996	2.638	ug/l #	92
25) 2-Butanone	7.02	43	662	1.357	ug/l #	76
36) 1,1-Dichloropropene	7.80	75	8612	4.181	ug/l #	48
38) Carbon Tetrachloride	7.81	117	10953	6.217	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	41570	42.060	ug/l #	100
77) Bromobenzene	12.54	156	2338	1.589	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	41570	81.806	ug/l #	19

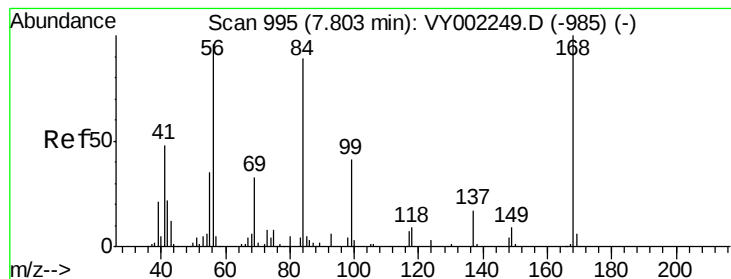
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 08 15:15:02 2020
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: VY002311.D

Acq: 14 Apr 2020 16:11

Instrument :

MSVOA_Y

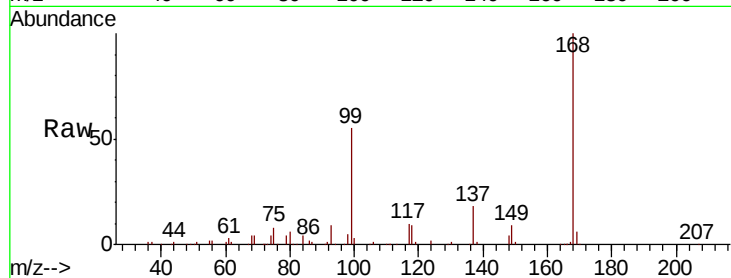
ClientSampleId :

Tot Ion:168 Resp: 105209

Ion Ratio Lower Upper

168 100

99 54.9 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

50000

40000

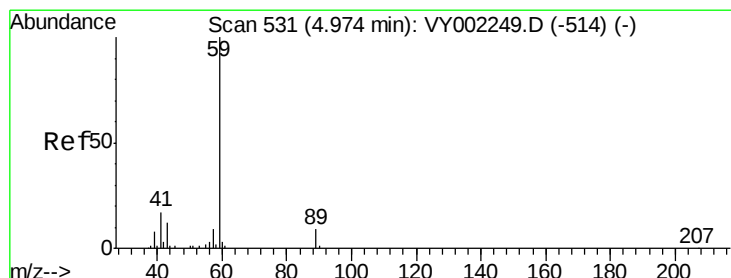
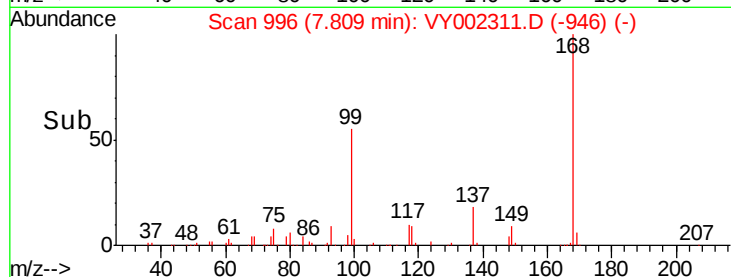
30000

20000

10000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002311.D

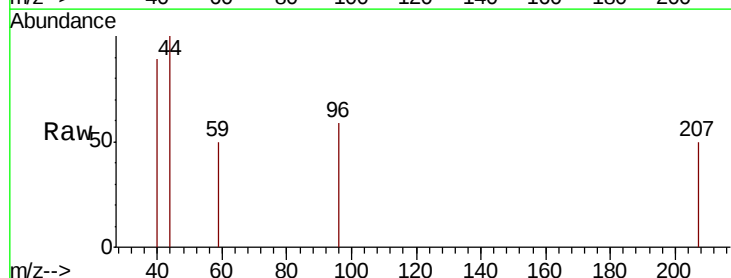
Acq: 14 Apr 2020 16:11

Tgt Ion: 59 Resp: 25

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) (-)

80

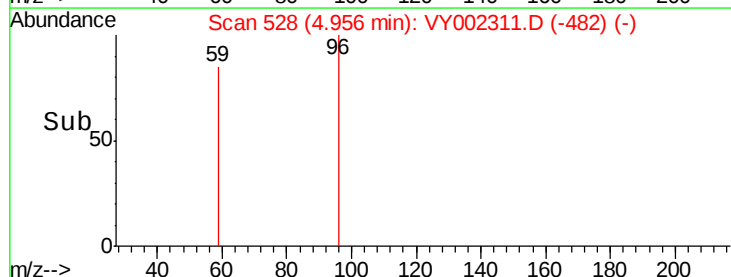
60

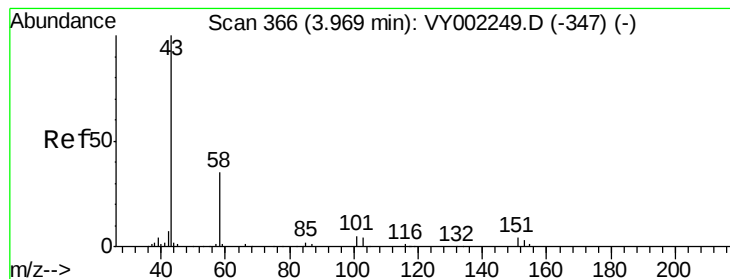
40

20

0

Time--> 4.94 4.95 4.96 4.97





#16

Acetone

Concen: 16.096 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

Instrument :

MSVOA_Y

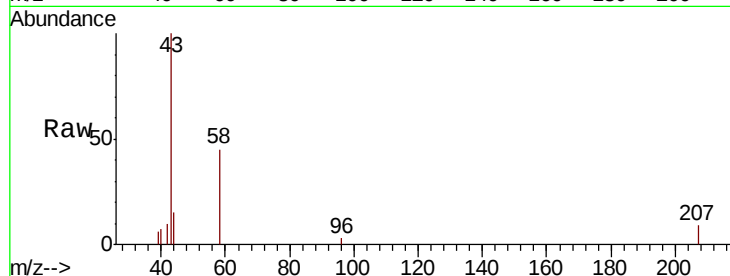
ClientSampleId :

Tot Ion: 43 Resp: 4960

Ion Ratio Lower Upper

43 100

58 45.4 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.97

1500

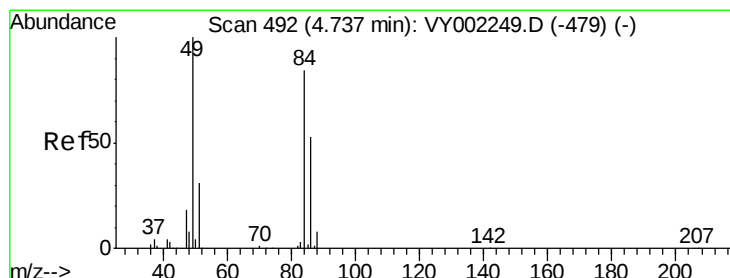
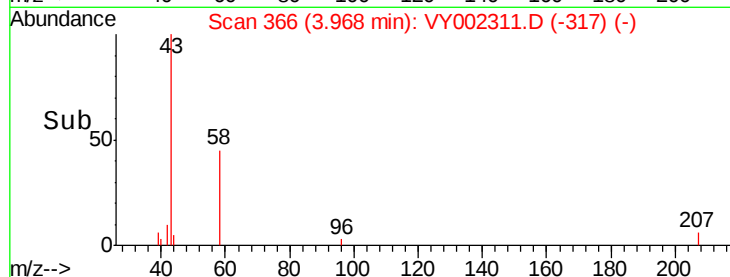
1000

500

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 2.638 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

Tgt Ion: 84 Resp: 3996

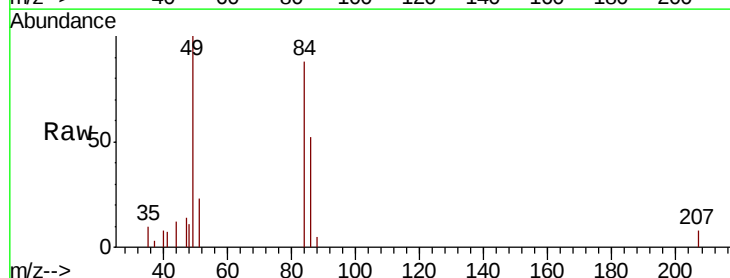
Ion Ratio Lower Upper

84 100

49 113.3 95.5 143.3

51 25.8 29.5 44.3#

86 58.4 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)

4.74

1500

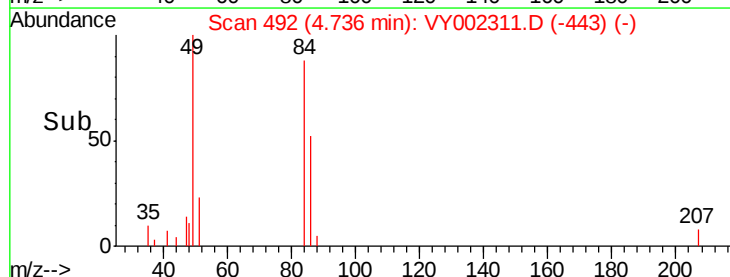
1000

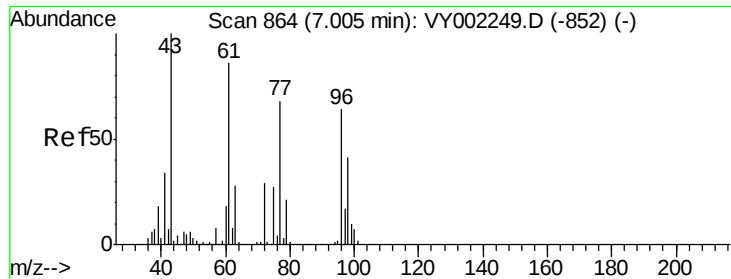
500

0

4.65 4.70 4.75 4.80

Time-->

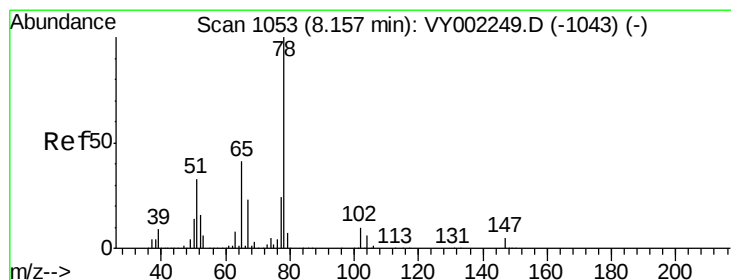
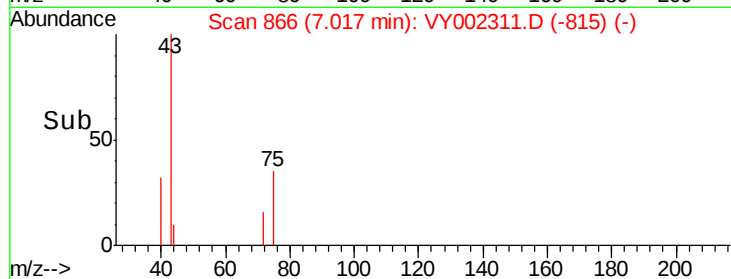
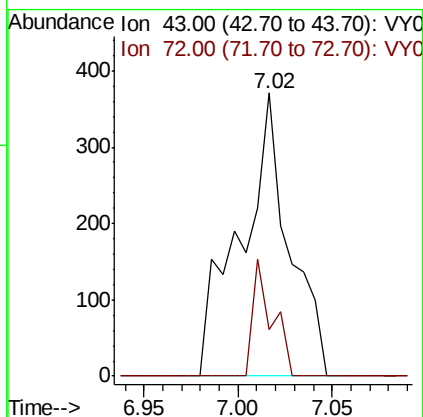
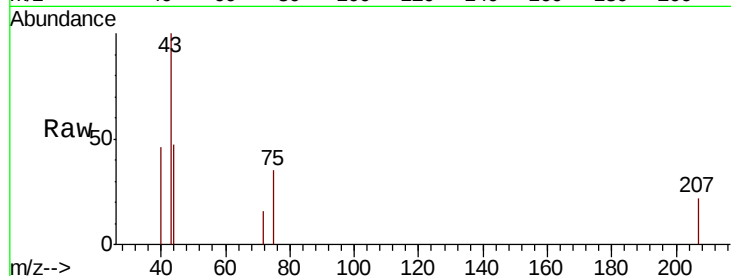




#25
 2-Butanone
 Concen: 1.357 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

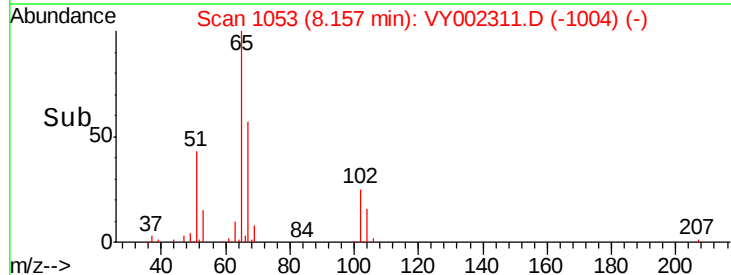
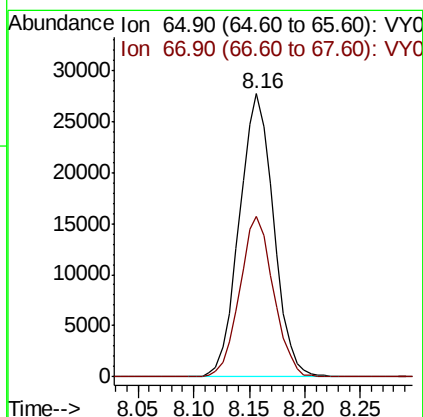
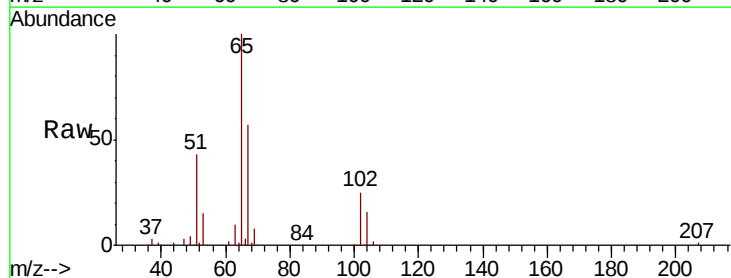
Instrument :
 MSVOA_Y
 ClientSampleId :

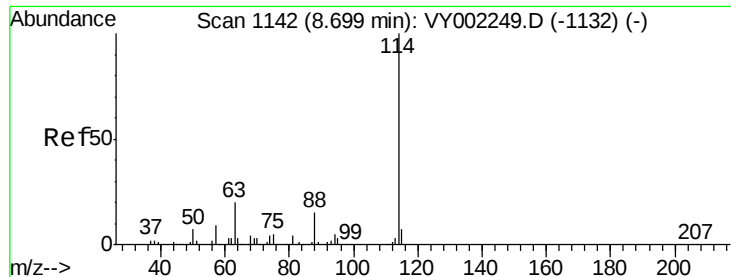
Tot Ion: 43 Resp: 662
 Ion Ratio Lower Upper
 43 100
 72 16.4 23.2 34.8#



#33
 1,2-Dichloroethane-d4
 Concen: 50.600 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

Tgt Ion: 65 Resp: 59202
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 114.0

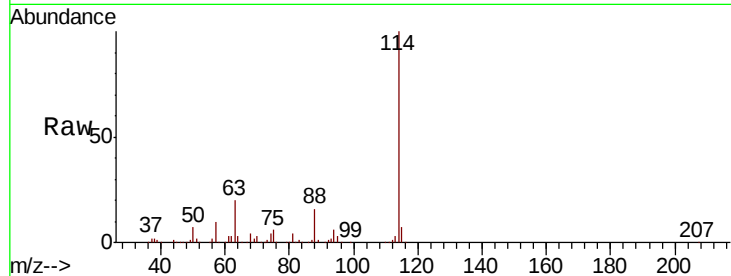




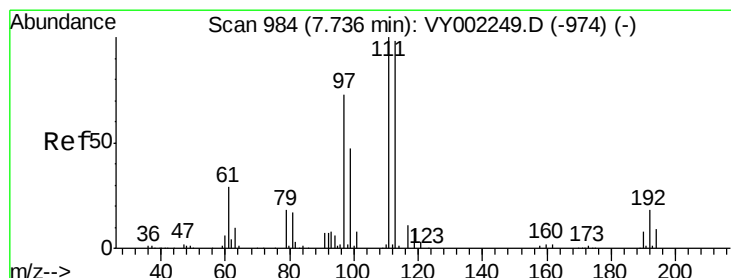
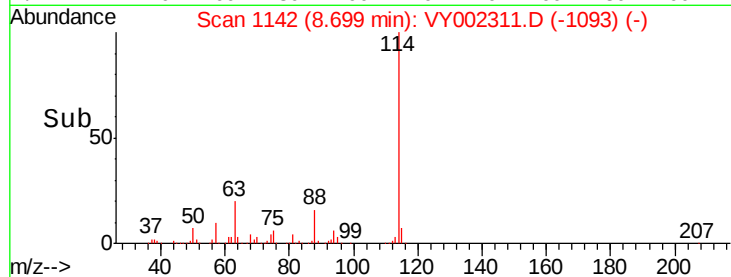
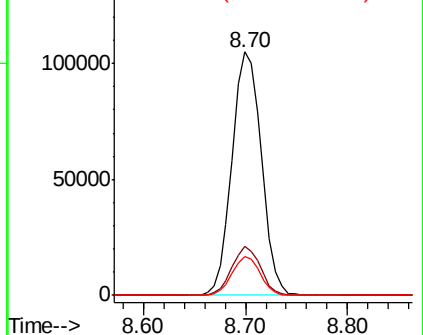
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.0
88	16.0	0.0	31.0

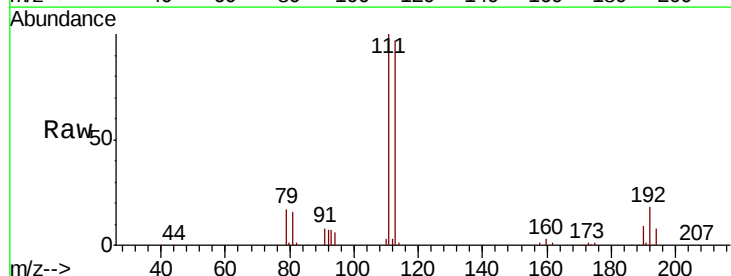


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

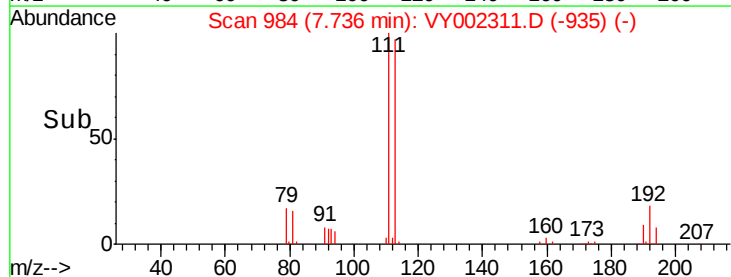
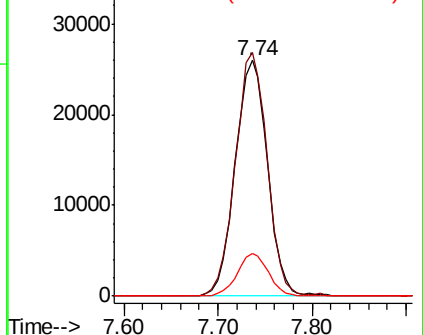


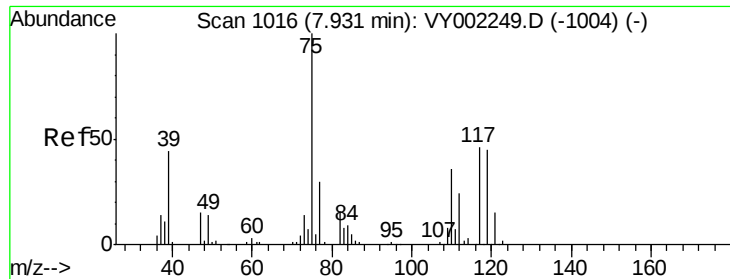
#35
 Dibromofluoromethane
 Concen: 49.945 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	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

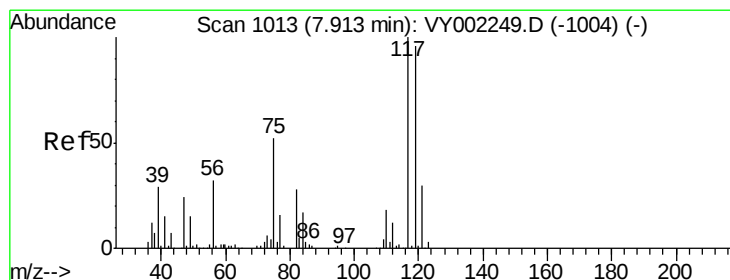
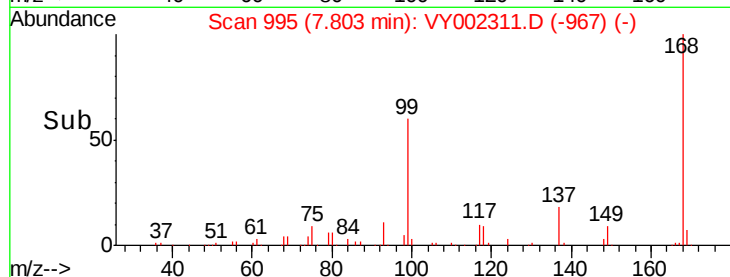
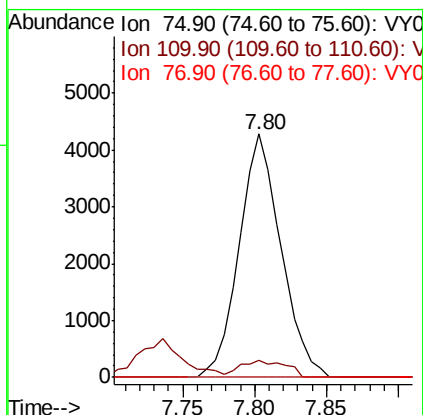
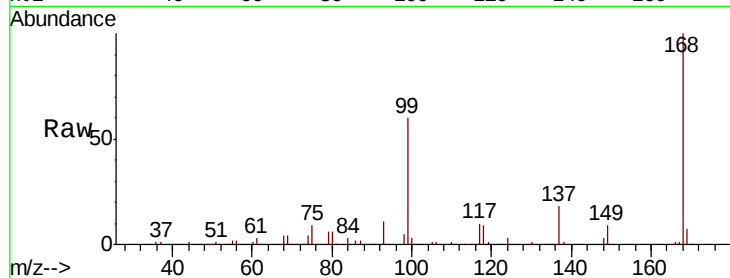




#36
 1,1-Dichloropropene
 Concen: 4.181 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

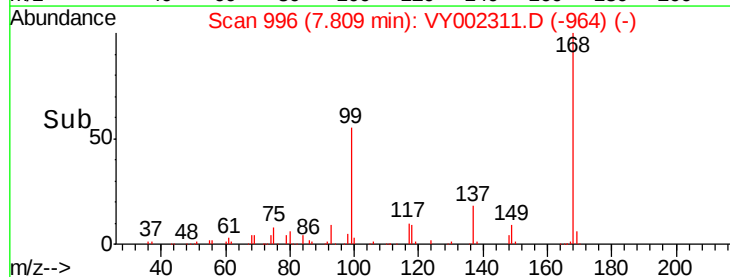
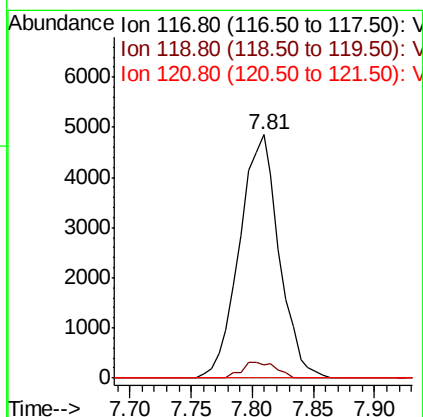
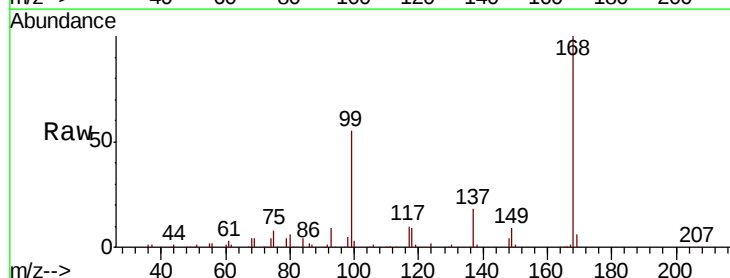
Instrument :
 MSVOA_Y
 ClientSampled :

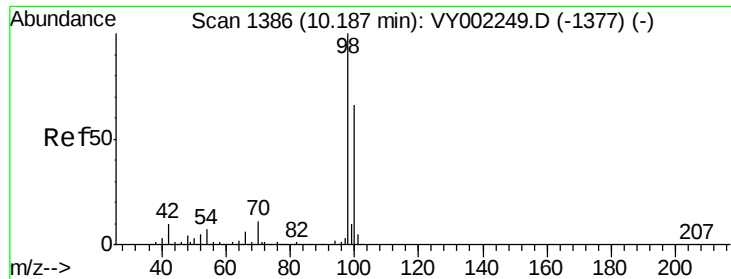
Tot Ion: 75 Resp: 8612
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.8 53.3#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.217 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.10 min
 Lab File: VY002311.D
 Acq: 14 Apr 2020 16:11

Tgt Ion: 117 Resp: 10953
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.1 115.7#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.608 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

Instrument :

MSVOA_Y

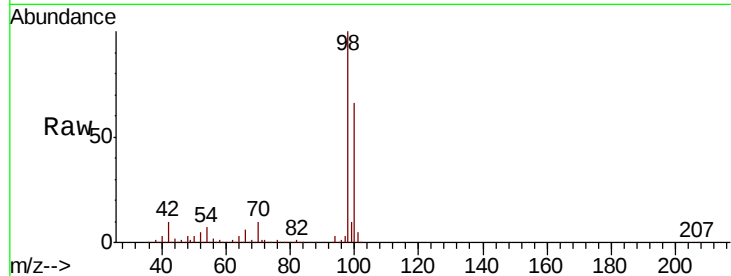
ClientSampleId :

Tot Ion: 98 Resp: 253153

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

150000

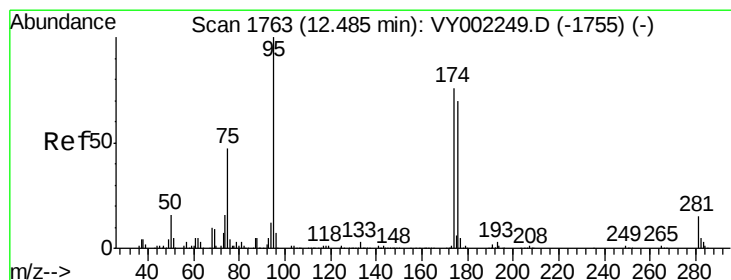
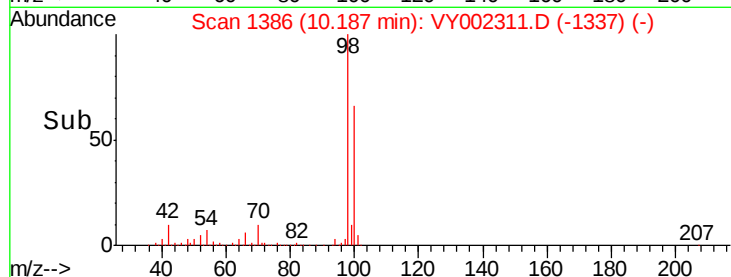
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 49.255 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

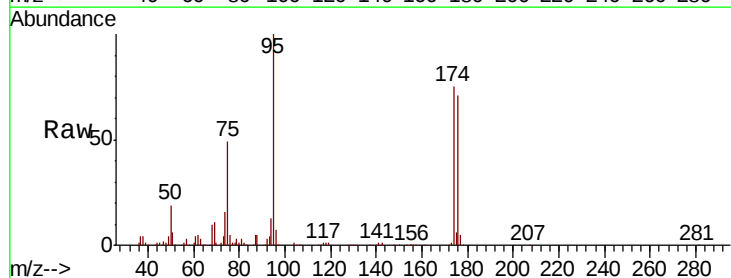
Tgt Ion: 95 Resp: 84631

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.6

176 71.0 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

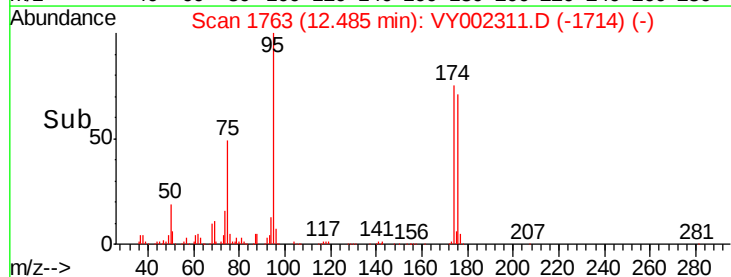
40000

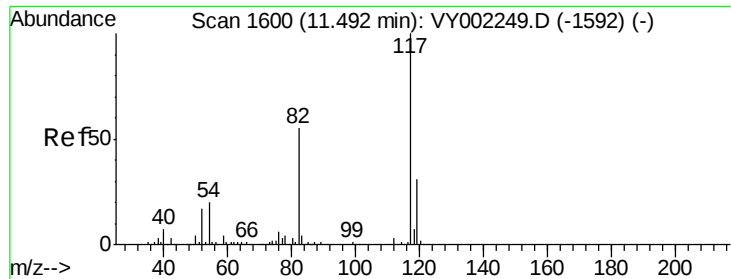
20000

0

12.40 12.50

Time-->

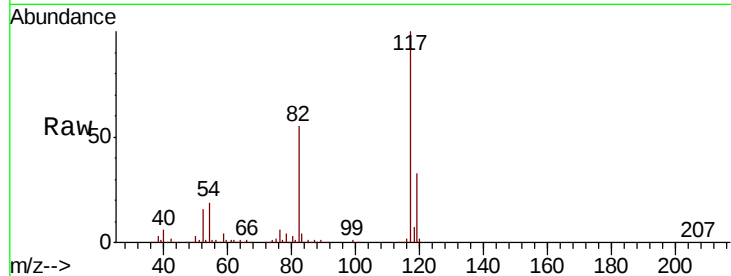




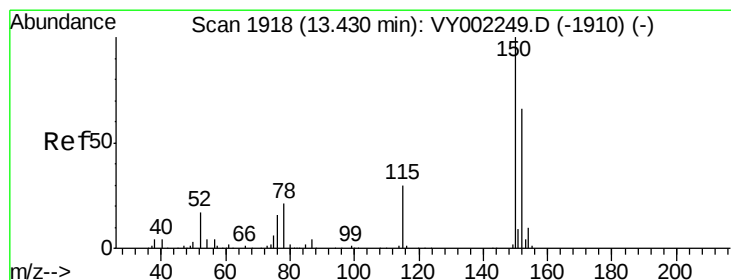
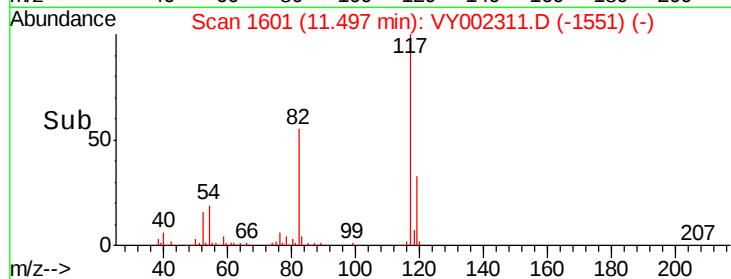
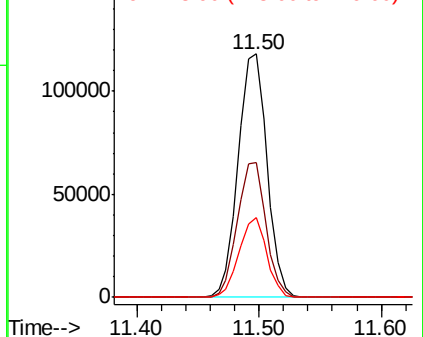
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002311.D
Acq: 14 Apr 2020 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 192426
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.4
119 32.7 25.1 37.7

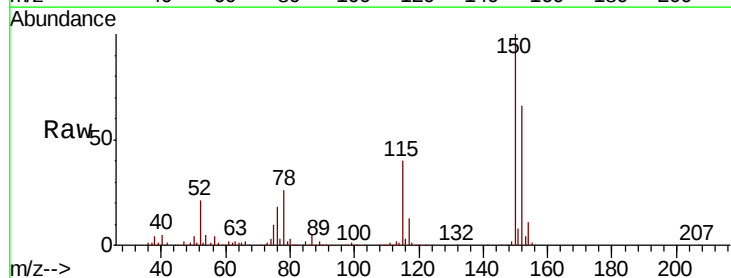


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

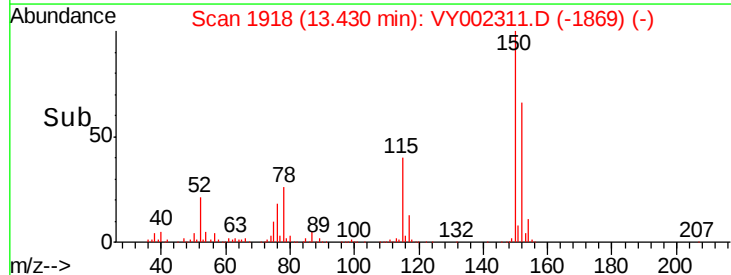
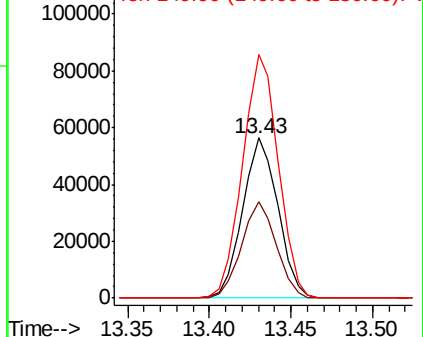


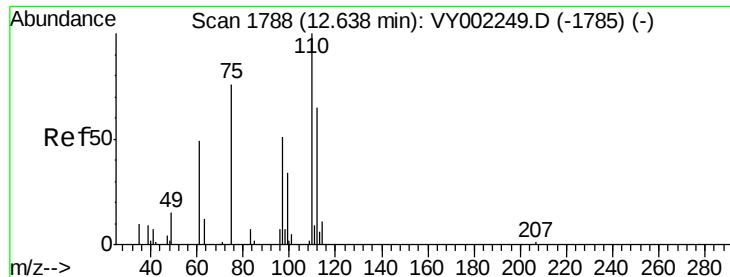
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002311.D
Acq: 14 Apr 2020 16:11

Tgt Ion:152 Resp: 85113
Ion Ratio Lower Upper
152 100
115 59.1 30.7 92.1
150 154.4 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: 42.060 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

Instrument :

MSVOA_Y

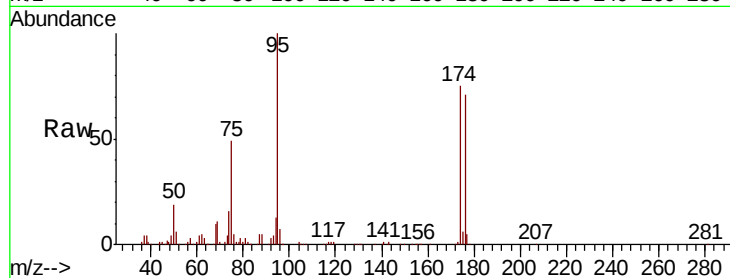
ClientSampleId :

Tot Ion: 75 Resp: 41570

Ion Ratio Lower Upper

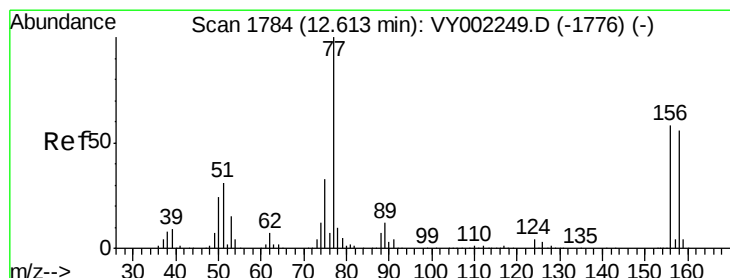
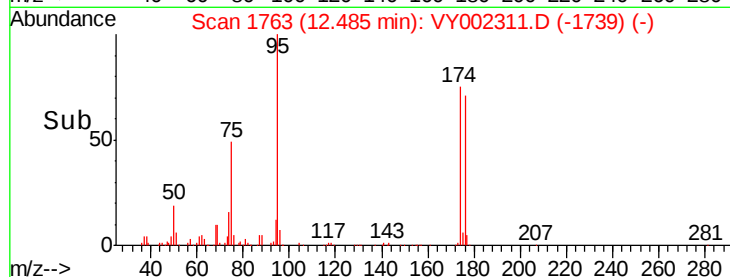
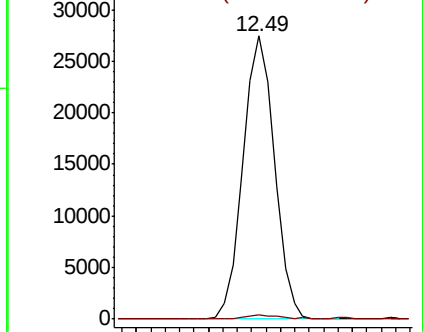
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 1.589 ug/l

RT: 12.54 min Scan# 1772

Delta R.T. -0.07 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

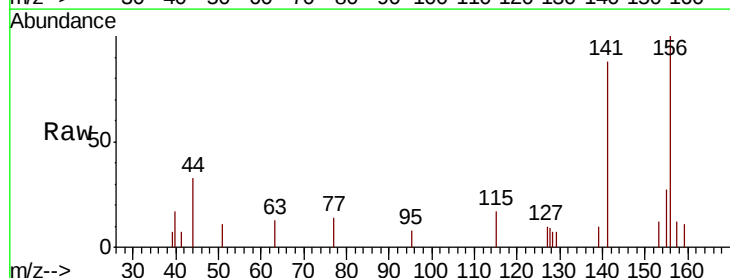
Tgt Ion: 156 Resp: 2338

Ion Ratio Lower Upper

156 100

77 6.5 101.3 303.9#

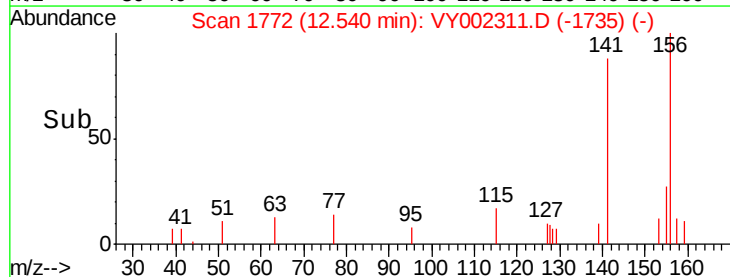
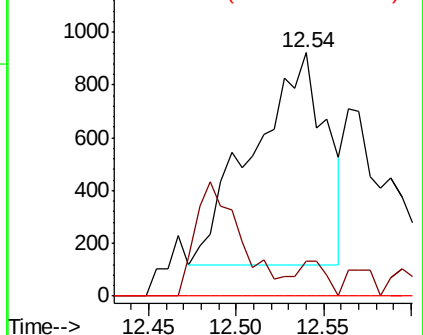
158 0.0 48.3 144.8#

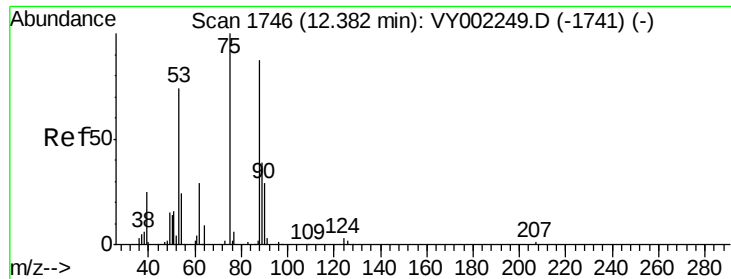


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.806 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002311.D

Acq: 14 Apr 2020 16:11

Instrument :

MSVOA_Y

ClientSampleId :

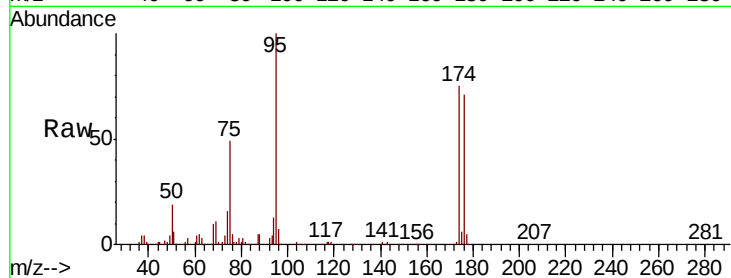
Tot Ion: 75 Resp: 41570

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

