

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002255.D
 Acq On : 08 Apr 2020 17:18
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 01:55:43 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

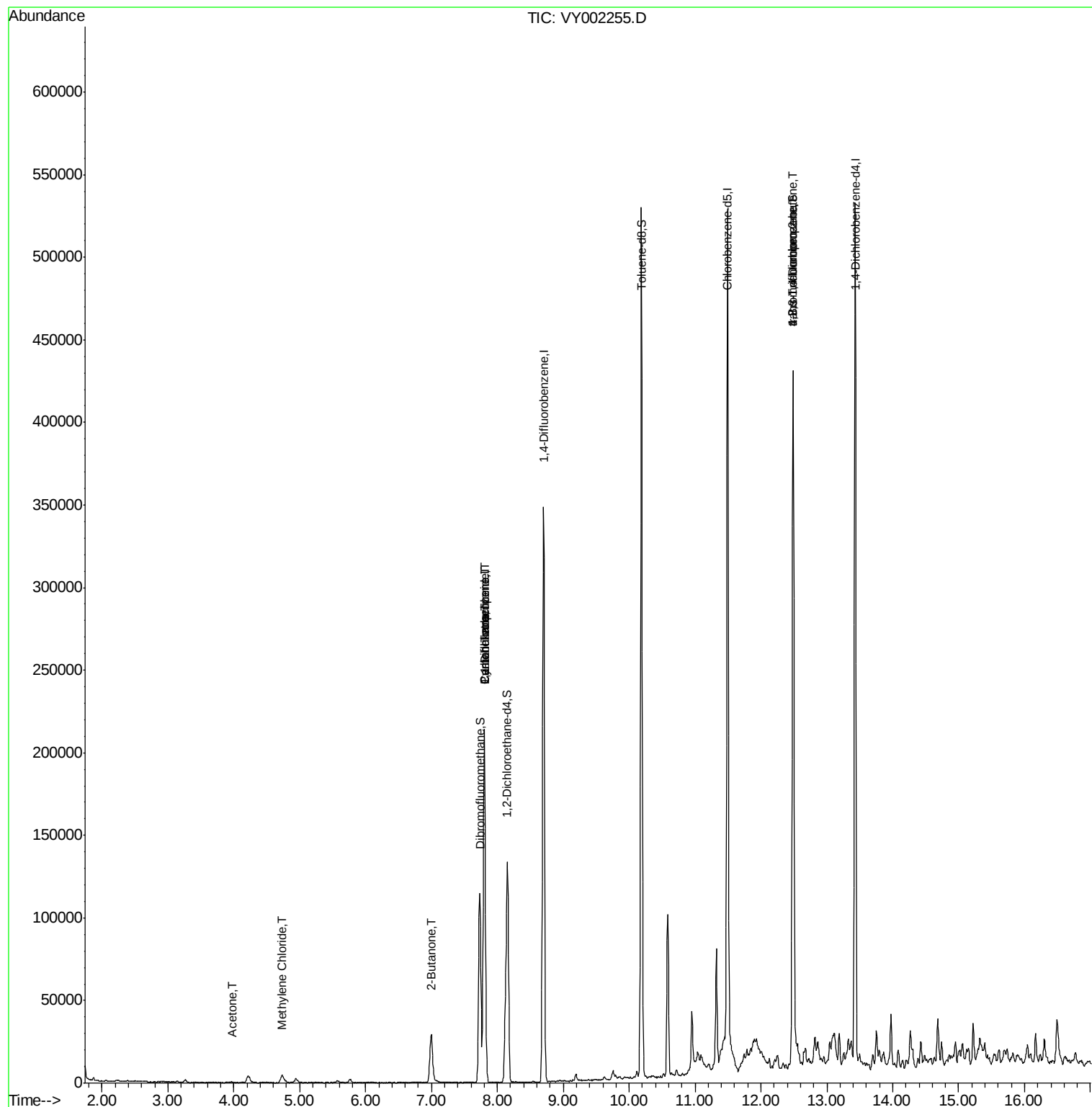
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	162623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	304064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	277039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	129040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	89856	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
35) Dibromofluoromethane	7.73	113	84180	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
50) Toluene-d8	10.19	98	345388	45.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.49	95	122927	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.94	59	2880	Below Cal	#	77
16) Acetone	3.98	43	995	2.089	ug/l #	67
20) Methylene Chloride	4.74	84	3397	1.451	ug/l #	80
25) 2-Butanone	7.00	43	1485	1.970	ug/l #	46
31) Cyclohexane	7.80	56	4058	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13417	4.480	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16844	6.575	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	62038	41.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	62038	80.526	ug/l #	21

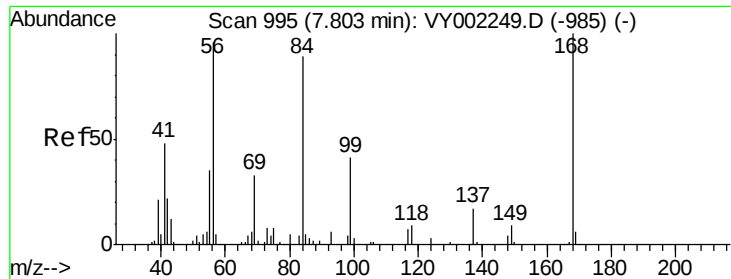
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
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Acq On : 08 Apr 2020 17:18
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Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Apr 09 01:55:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 08 15:15:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampled :

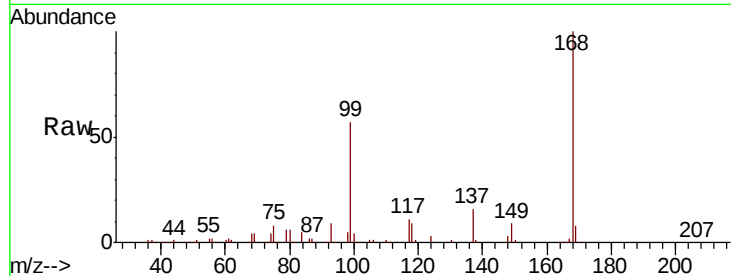
VIBLK

Tot Ion:168 Resp: 162623

Ion Ratio Lower Upper

168 100

99 57.4 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) (-)

7.80

80000

60000

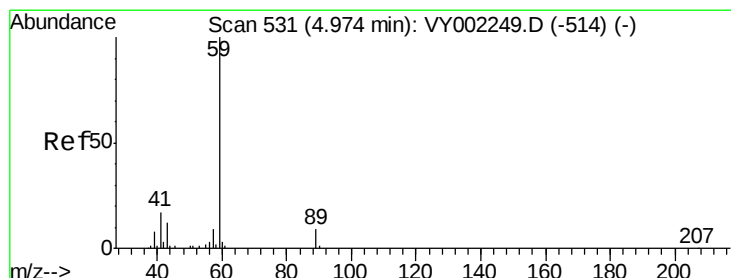
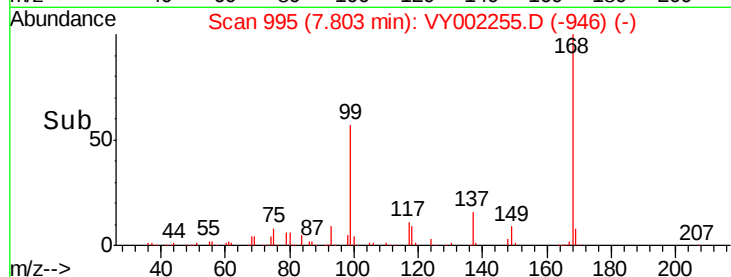
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 525

Delta R.T. -0.04 min

Lab File: VY002255.D

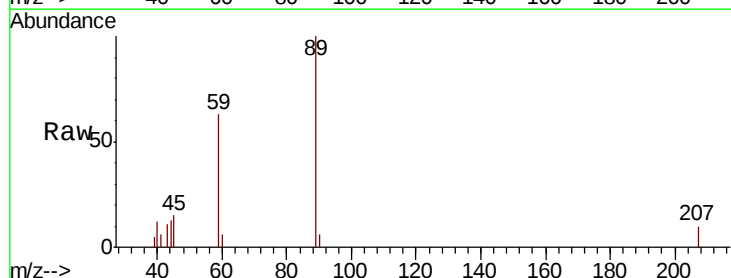
Acq: 08 Apr 2020 17:18

Tgt Ion: 59 Resp: 2880

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) (-)

4.94

800

600

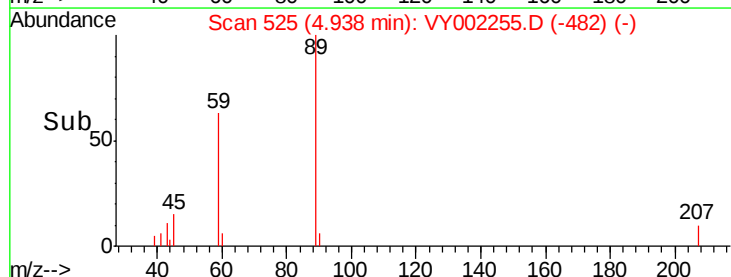
400

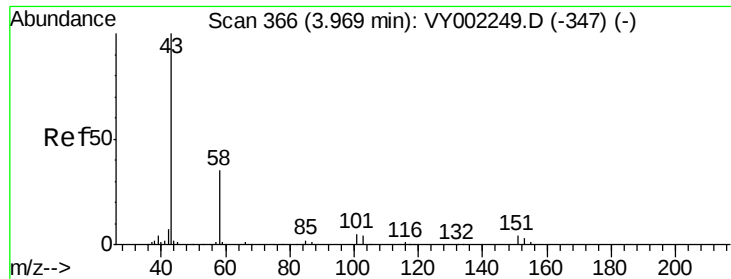
200

0

Time-->

4.80 4.90 5.00





#16

Acetone

Concen: 2.089 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

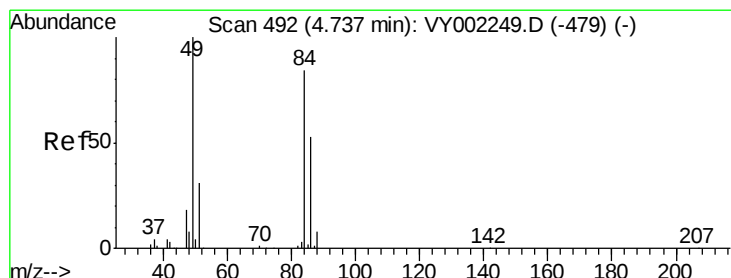
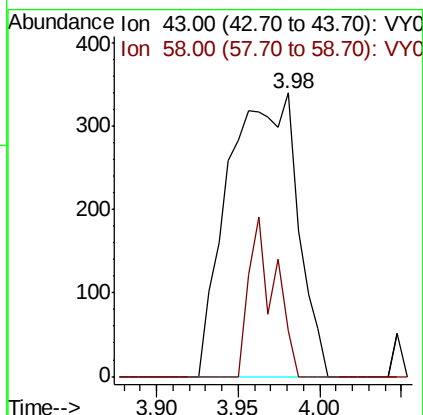
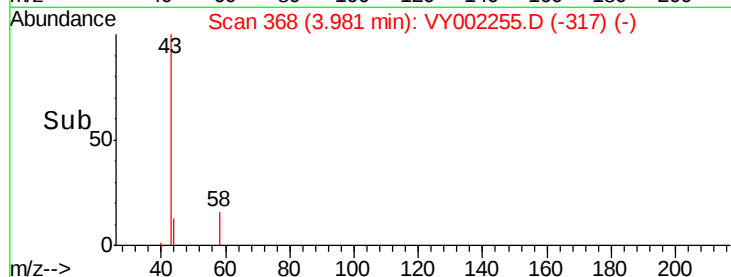
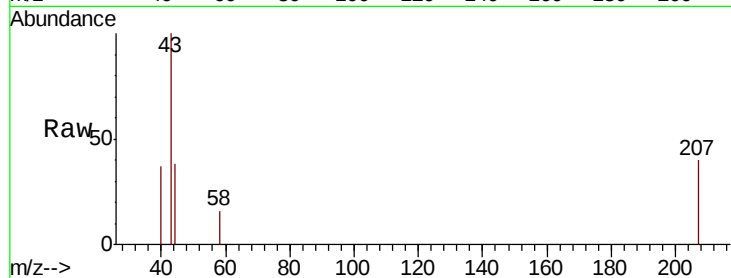
VIBLK

Tot Ion: 43 Resp: 995

Ion Ratio Lower Upper

43 100

58 16.2 28.5 42.7#



#20

Methylene Chloride

Concen: 1.451 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.00 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Tgt Ion: 84 Resp: 3397

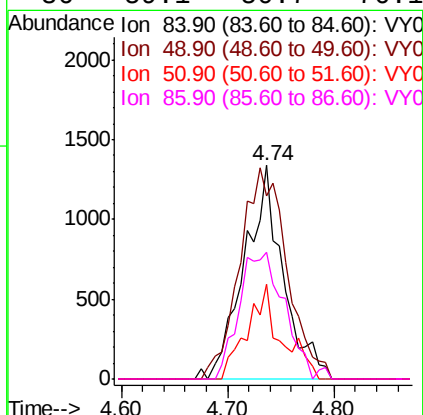
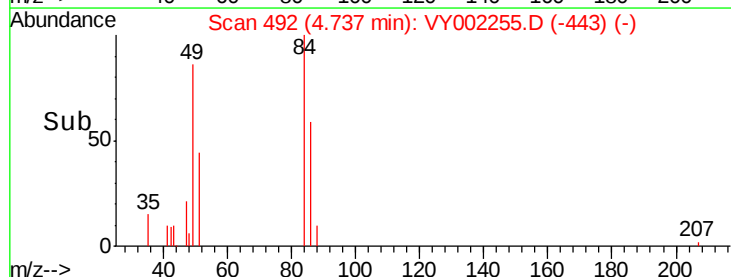
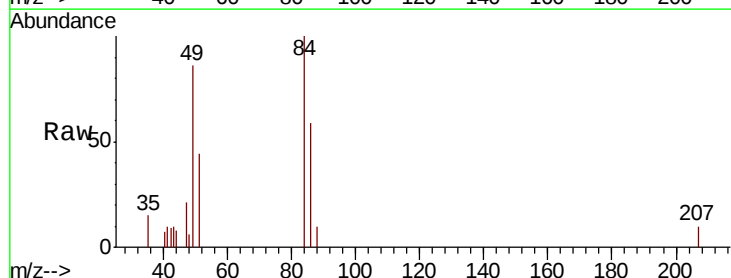
Ion Ratio Lower Upper

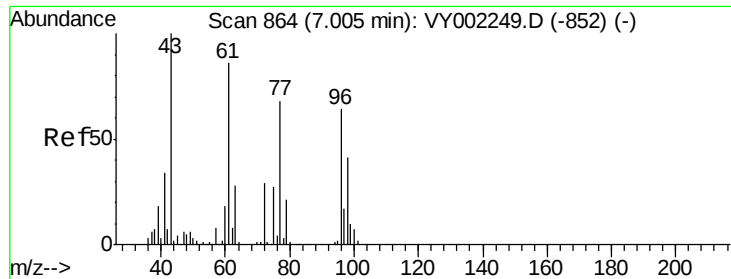
84 100

49 85.9 95.5 143.3#

51 44.2 29.5 44.3

86 59.1 50.7 76.1





#25

2-Butanone

Concen: 1.970 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

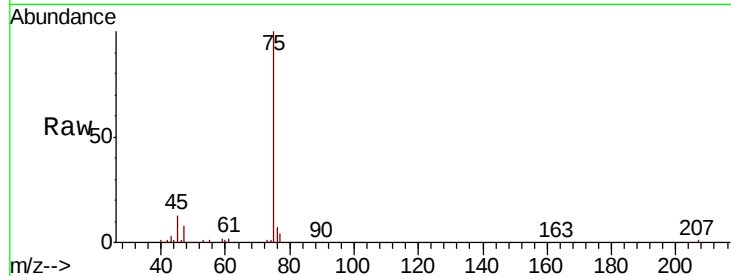
VIBLK

Tot Ion: 43 Resp: 1485

Ion Ratio Lower Upper

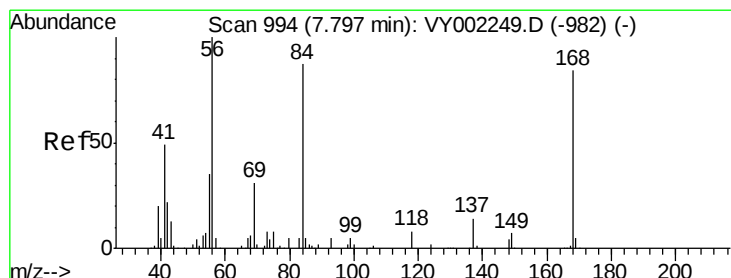
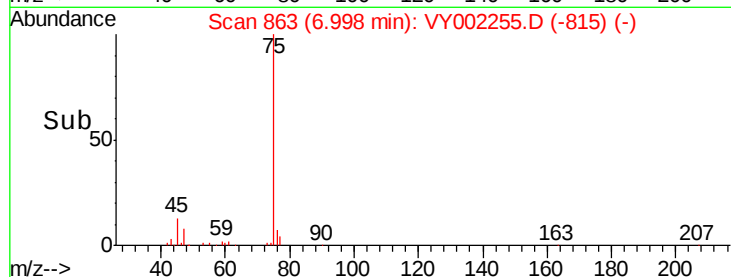
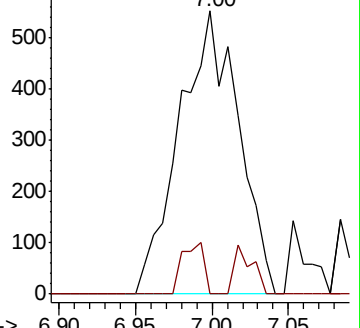
43 100

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



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

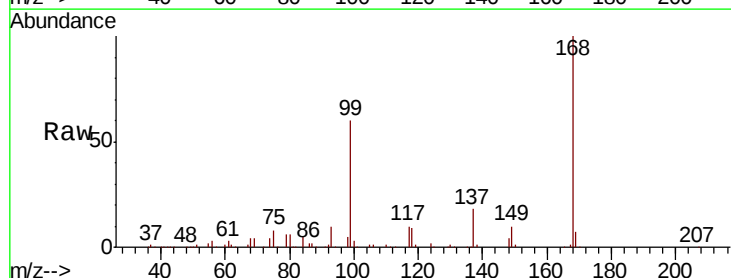
Tgt Ion: 56 Resp: 4058

Ion Ratio Lower Upper

56 100

69 154.8 25.0 37.6#

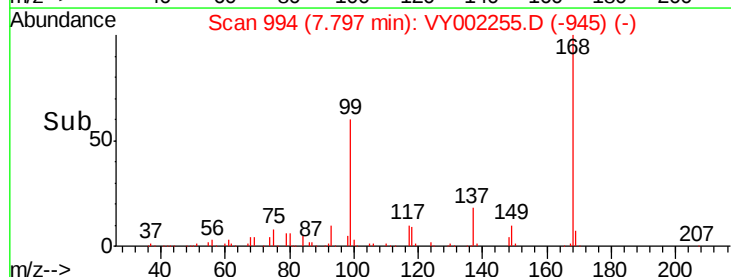
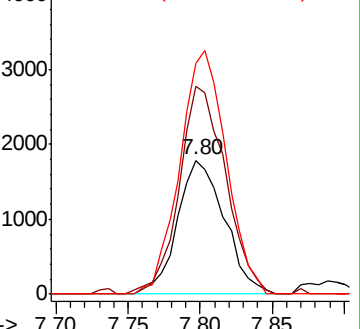
84 172.1 69.7 104.5#

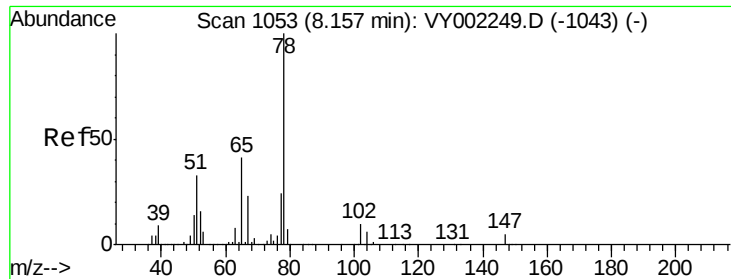


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

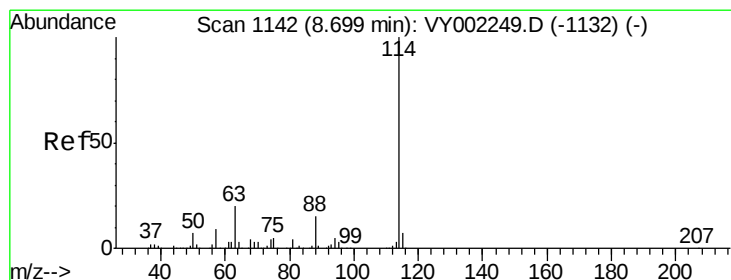
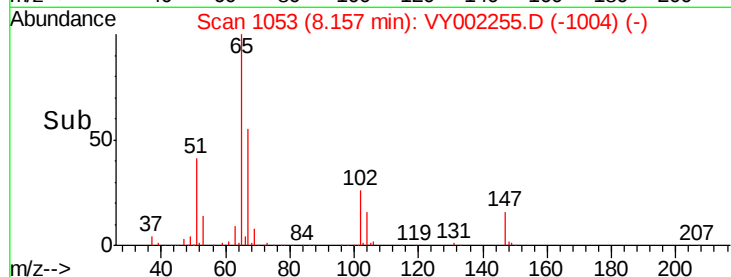
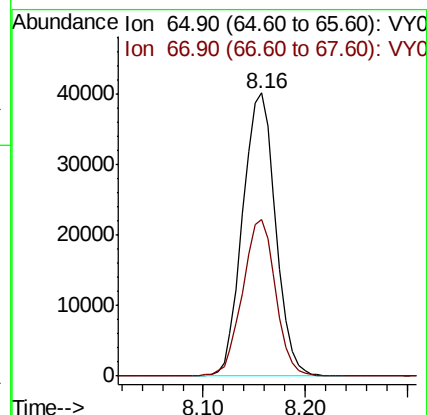
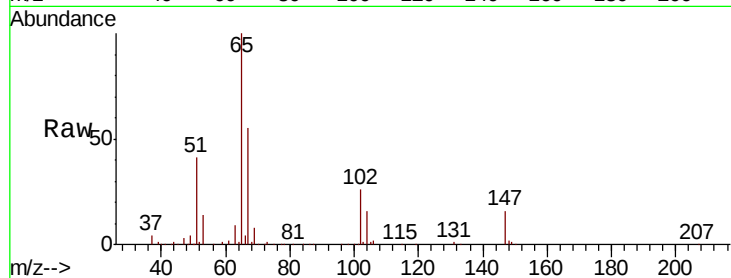




#33
 1,2-Dichloroethane-d4
 Concen: 49.686 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VY002255.D
 Acq: 08 Apr 2020 17:18

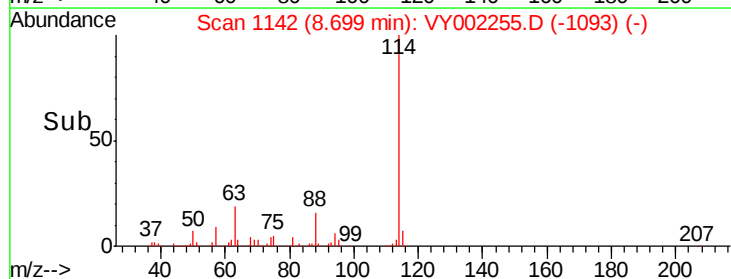
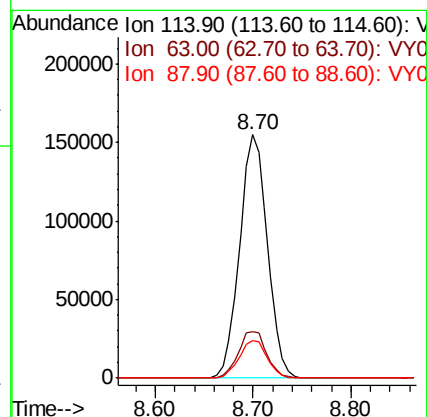
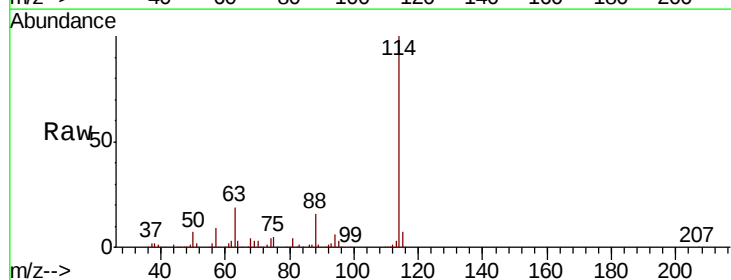
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

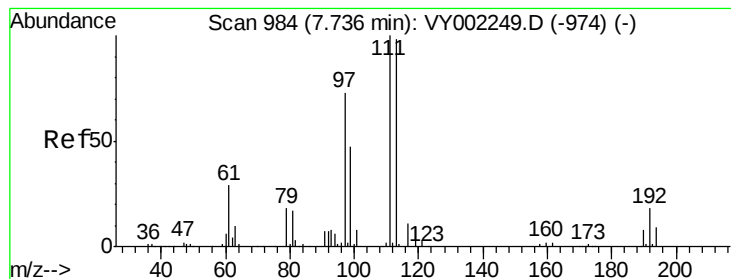
Tot Ion: 65 Resp: 89856
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY002255.D
 Acq: 08 Apr 2020 17:18

Tgt Ion: 114 Resp: 304064
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.527 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

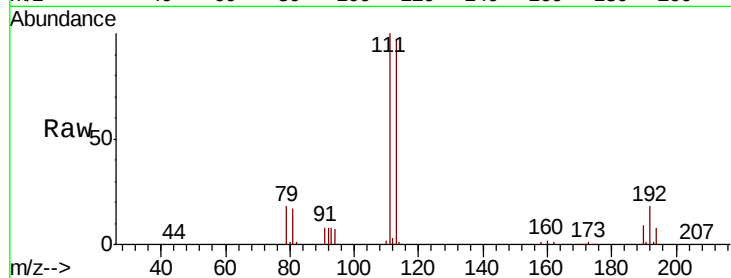
Tot Ion:113 Resp: 84180

Ion Ratio Lower Upper

113 100

111 103.1 83.5 125.3

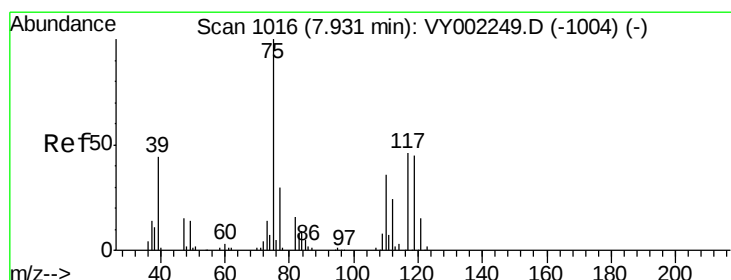
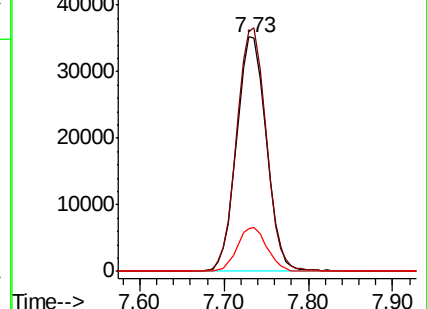
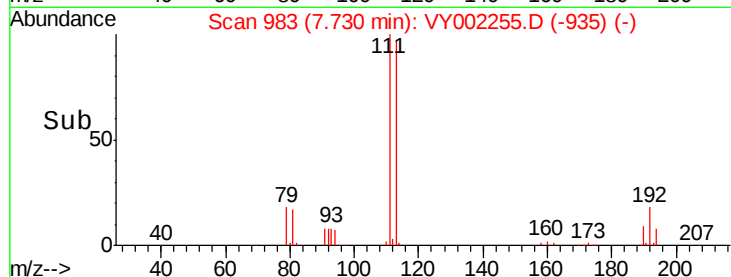
192 18.5 14.7 22.1



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: 4.480 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

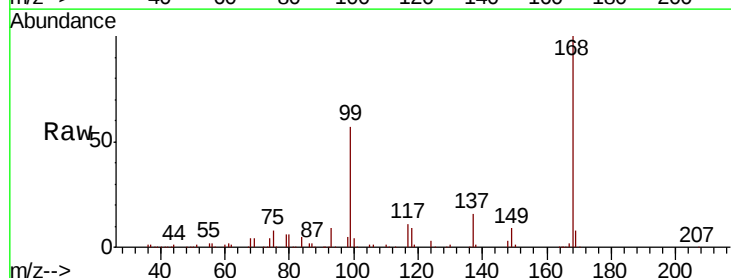
Tgt Ion: 75 Resp: 13417

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.3#

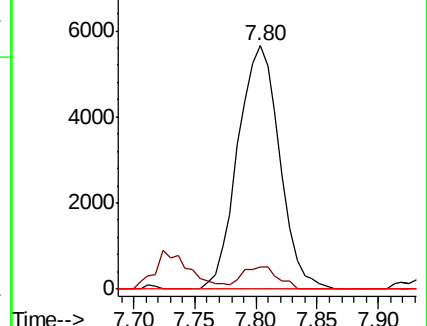
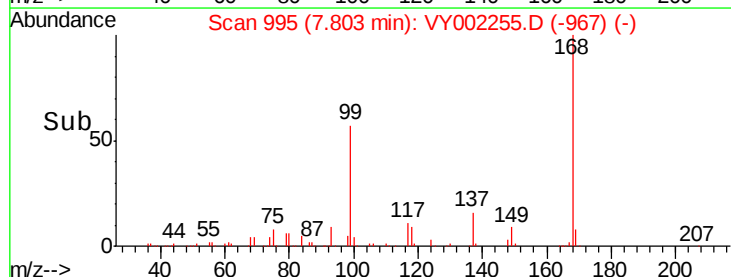
77 0.0 24.4 36.6#

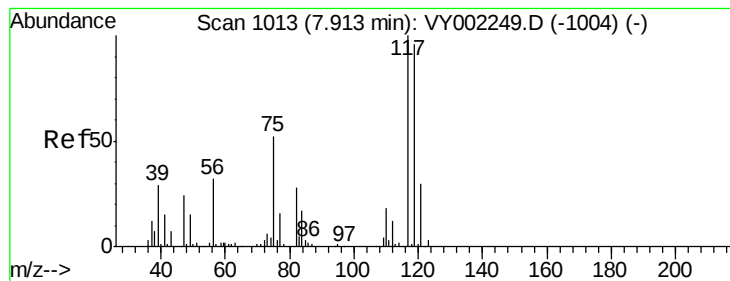


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampled :

VIBLK

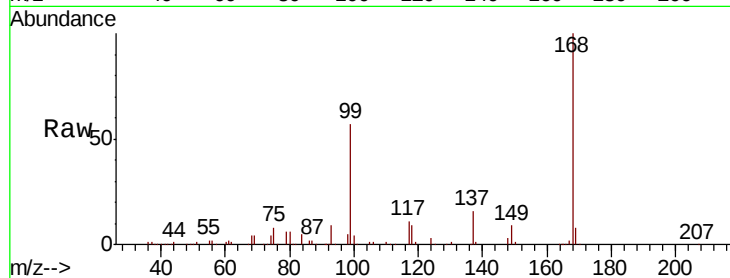
Tot Ion:117 Resp: 16844

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

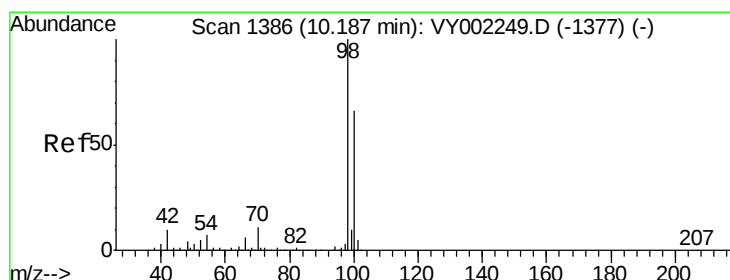
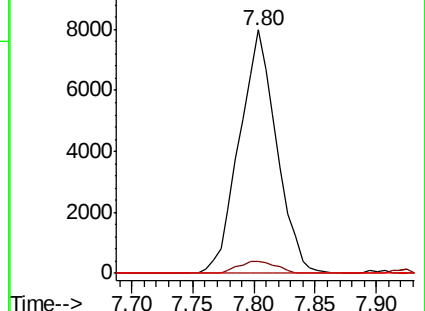
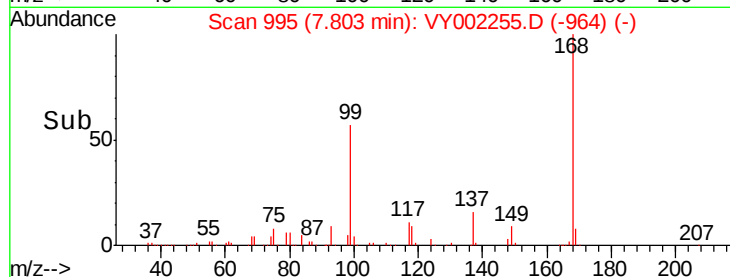
121 0.0 23.9 35.9#



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: 45.608 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002255.D

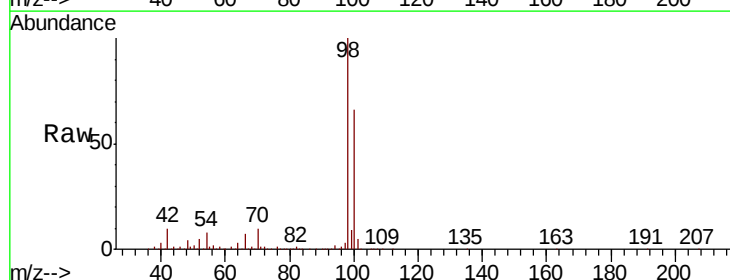
Acq: 08 Apr 2020 17:18

Tgt Ion: 98 Resp: 345388

Ion Ratio Lower Upper

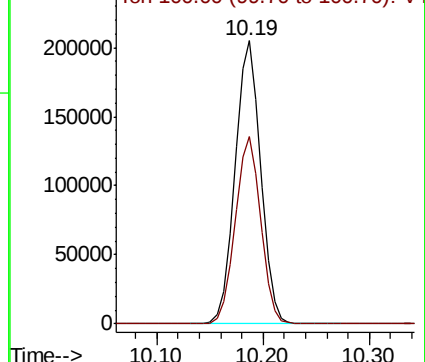
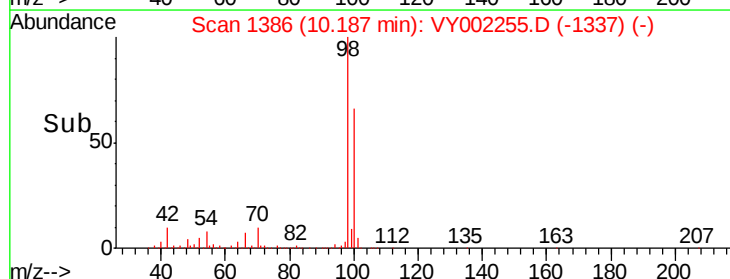
98 100

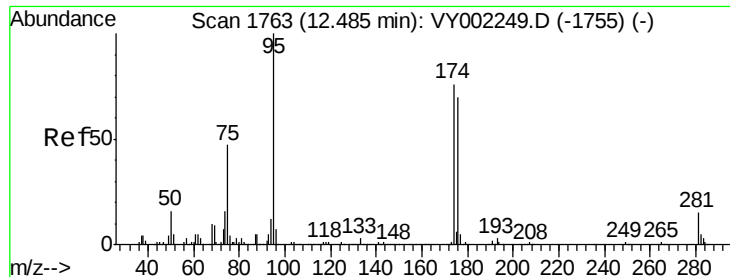
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

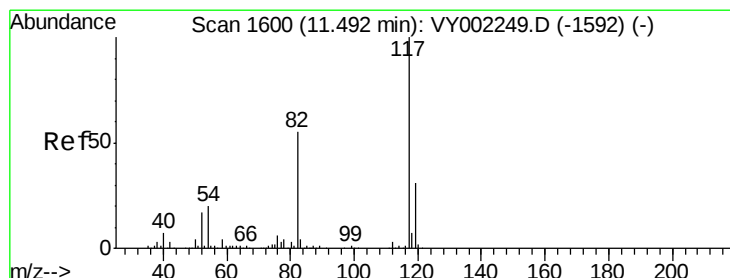
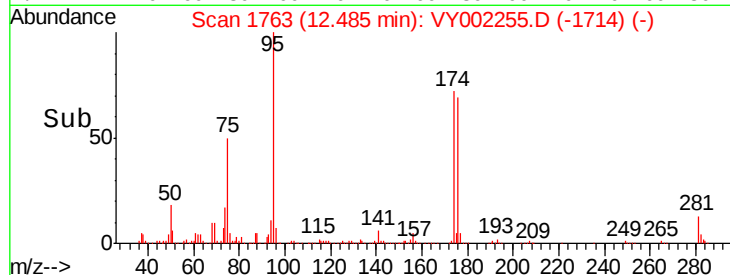
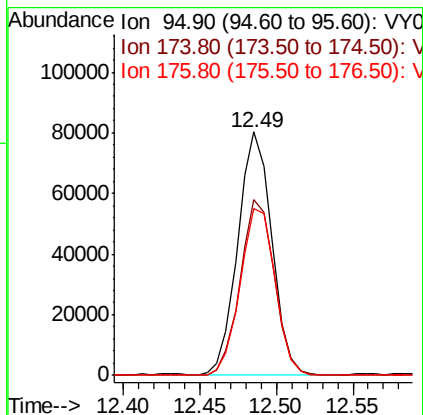
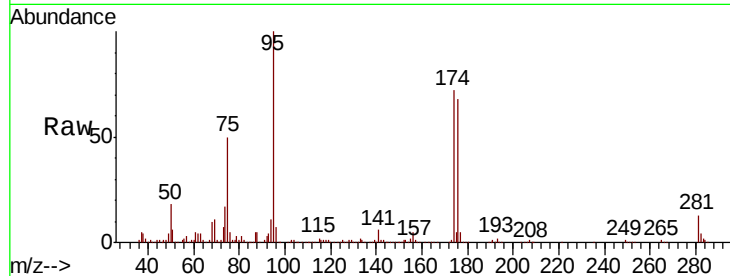




#62
4-Bromofluorobenzene
Concen: 49.202 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002255.D
Acq: 08 Apr 2020 17:18

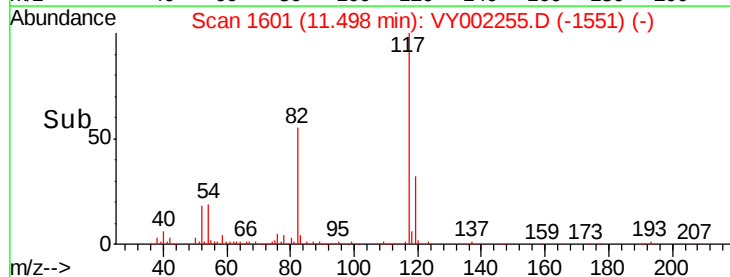
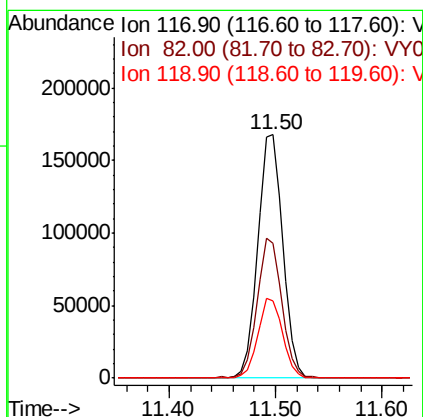
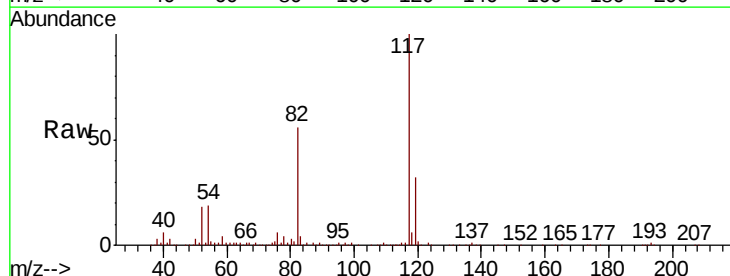
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

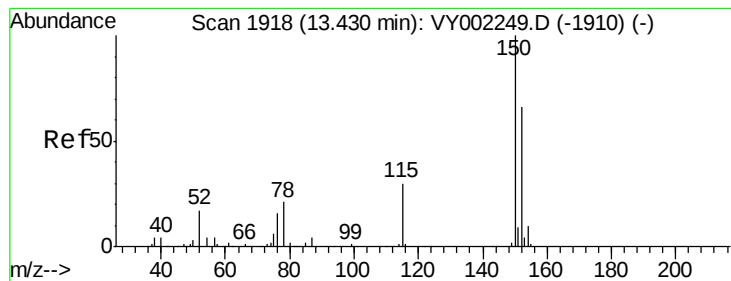
Tot Ion: 95 Resp: 122927
Ion Ratio Lower Upper
95 100
174 73.3 0.0 150.6
176 70.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002255.D
Acq: 08 Apr 2020 17:18

Tgt Ion: 117 Resp: 277039
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.4
119 31.8 25.1 37.7

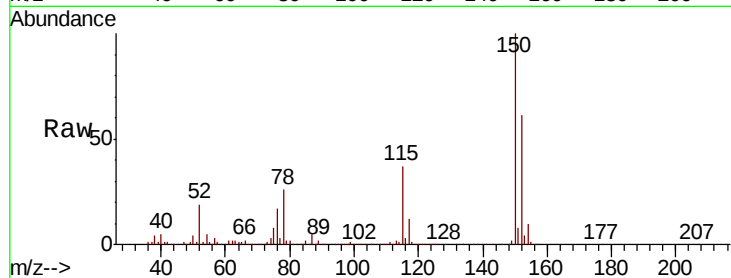




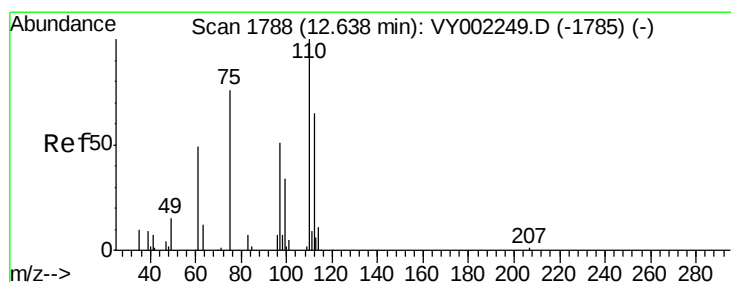
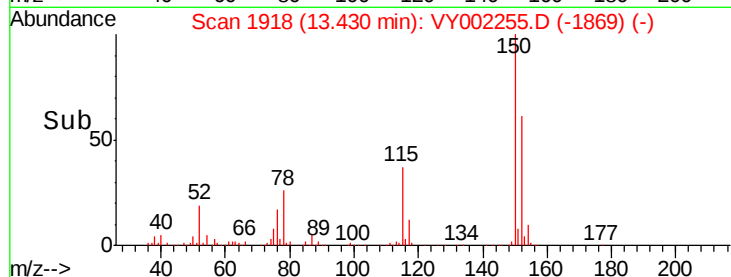
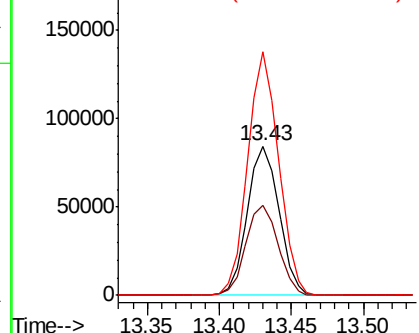
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.43 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VY002255.D
 Acq: 08 Apr 2020 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tot Ion:152 Resp: 129040
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.7 92.1
 150 158.5 0.0 350.6

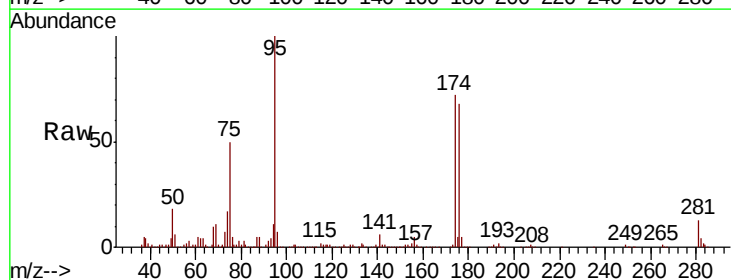


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

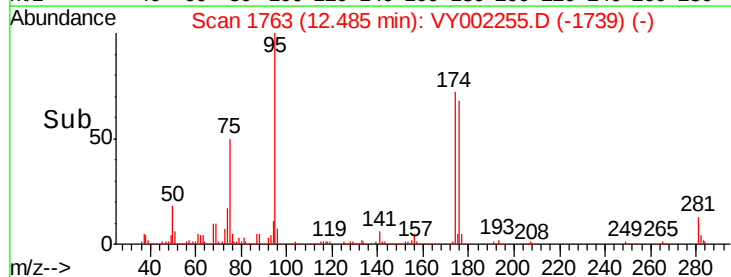
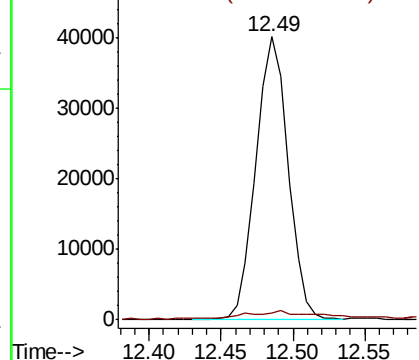


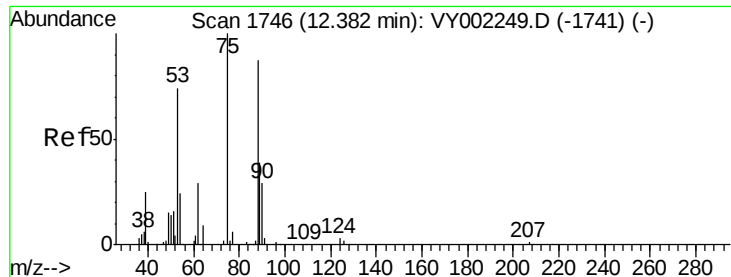
#76
 1,2,3-Trichloropropane
 Concen: 41.402 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.15 min
 Lab File: VY002255.D
 Acq: 08 Apr 2020 17:18

Tgt Ion: 75 Resp: 62038
 Ion Ratio Lower Upper
 75 100
 77 5.0 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: 80.526 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002255.D

Acq: 08 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tot Ion: 75 Resp: 62038

Ion Ratio Lower Upper

75 100

53 0.9 59.8 89.8#

89 1.6 37.0 55.6#

