

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002251.D
 Acq On : 08 Apr 2020 15:29
 Operator : SY/MD
 Sample : VY0408SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBL01

Quant Time: Apr 09 01:53:55 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	165468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	300044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	265564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	120406	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	89795	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.73	113	85303	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.19	98	361608	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.48	95	121745	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

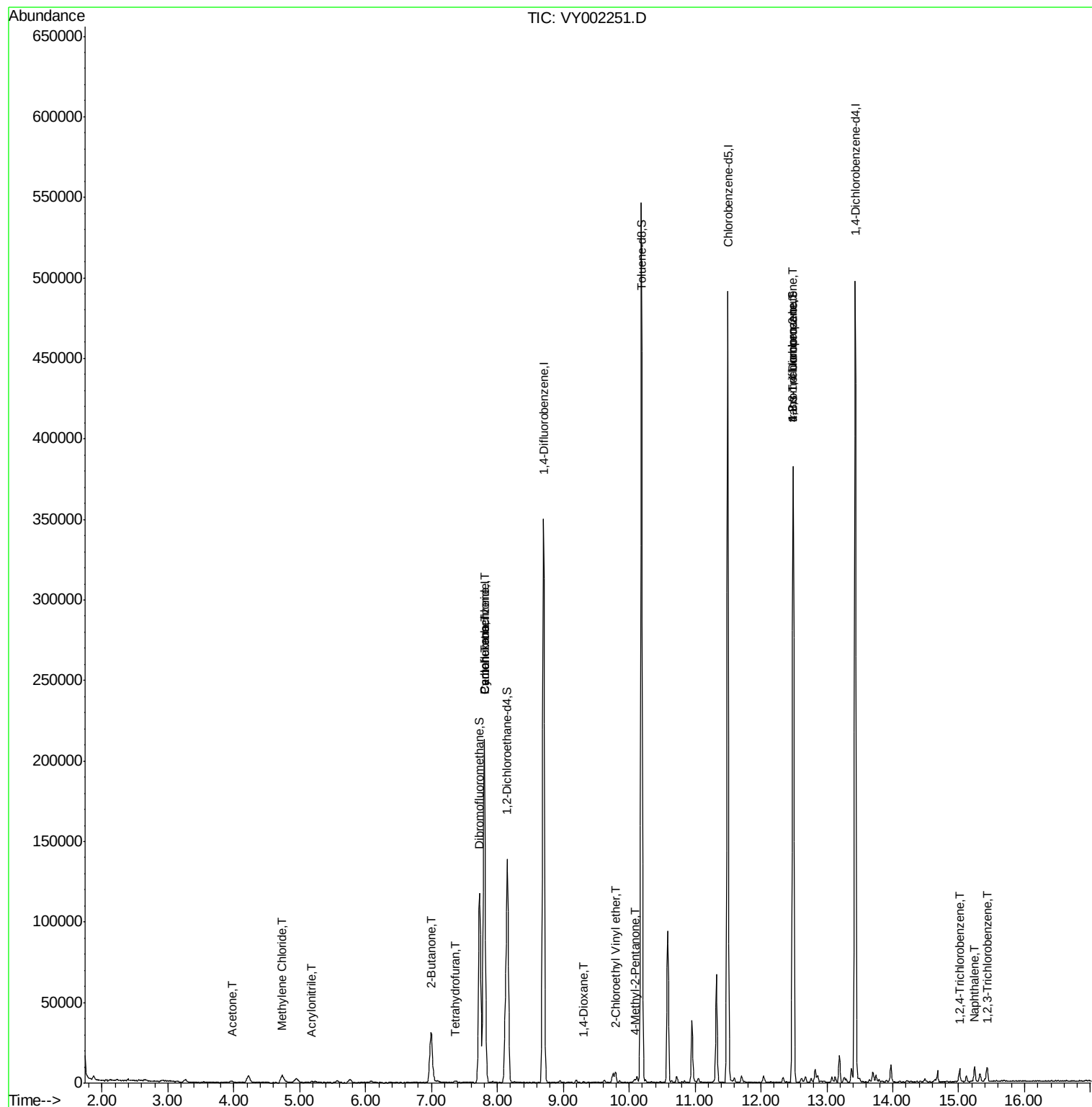
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	3707	Below Cal	#	77
15) Acrylonitrile	5.18	53	981	1.560	ug/l #	93
16) Acetone	3.97	43	1968	4.061	ug/l	89
20) Methylene Chloride	4.74	84	3182	1.336	ug/l #	83
25) 2-Butanone	6.99	43	2399	3.128	ug/l #	81
29) Tetrahydrofuran	7.36	42	667	1.316	ug/l	90
31) Cyclohexane	7.80	56	4327	1.116	ug/l #	1
38) Carbon Tetrachloride	7.80	117	16746	6.624	ug/l #	15
49) 1,4-Dioxane	9.31	88	87	5.287	ug/l #	23
51) 4-Methyl-2-Pentanone	10.08	43	2122	1.323	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.79	63	2899	2.303	ug/l	97
76) 1,2,3-Trichloropropane	12.48	75	59692	42.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	59692	83.037	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.02	180	2550	1.065	ug/l	96
95) Naphthalene	15.24	128	7226	1.378	ug/l	98
96) 1,2,3-Trichlorobenzene	15.44	180	2884	1.387	ug/l	93

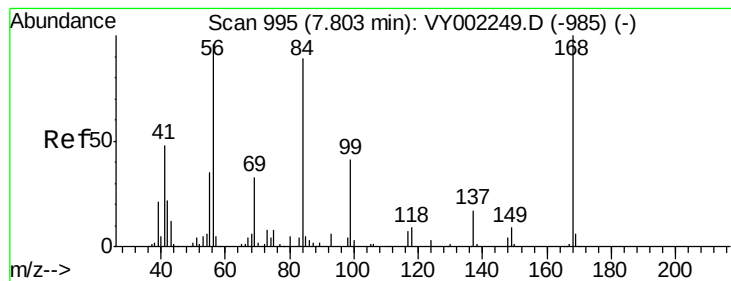
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

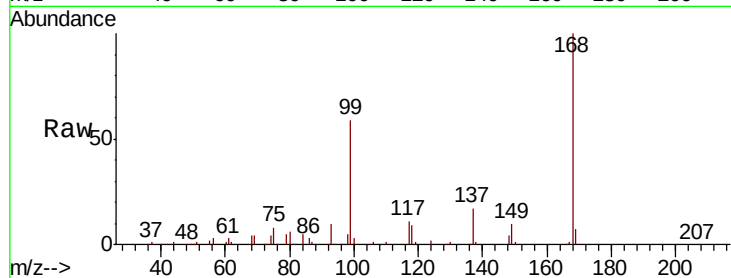
VY0408SBL01

Tot Ion:168 Resp: 165468

Ion Ratio Lower Upper

168 100

99 58.6 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

60000

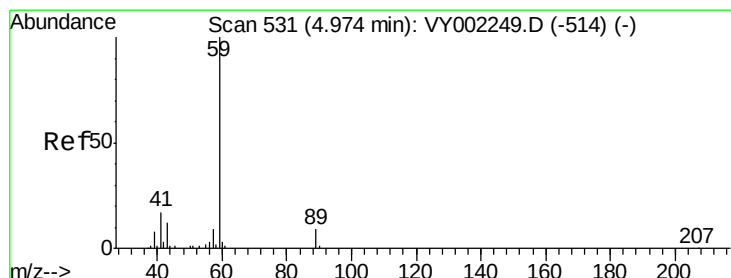
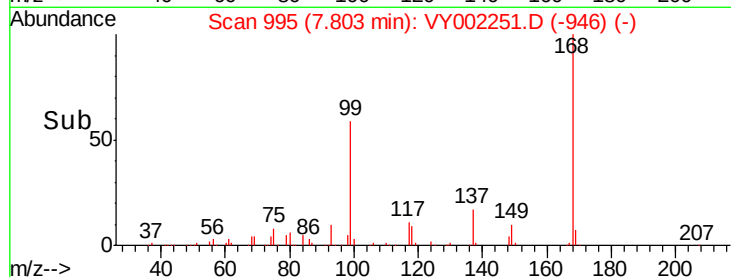
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.95 min Scan# 527

Delta R.T. -0.02 min

Lab File: VY002251.D

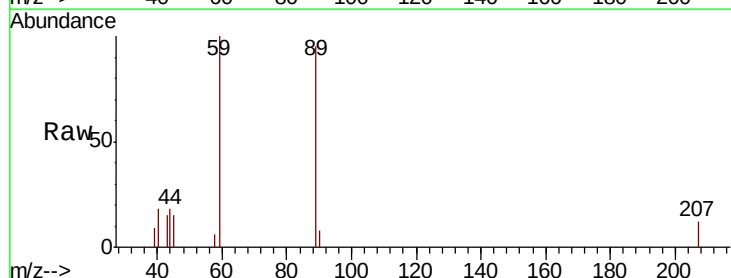
Acq: 08 Apr 2020 15:29

Tgt Ion: 59 Resp: 3707

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) (-)

4.95

1000

800

600

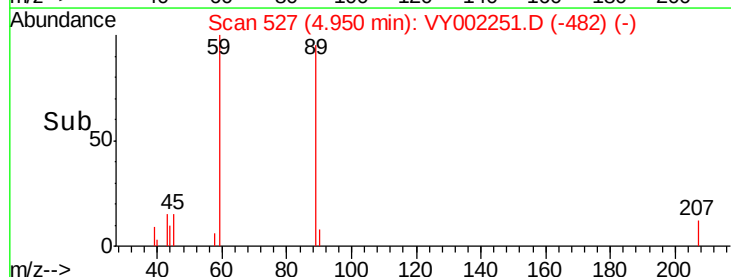
400

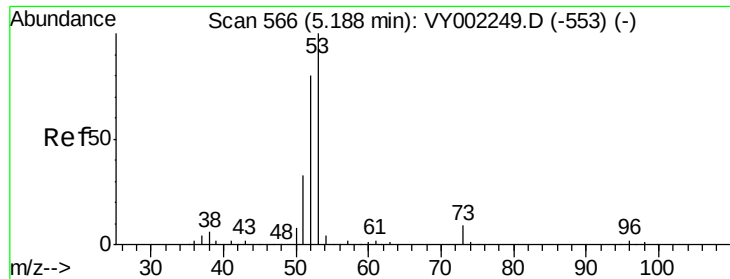
200

0

4.80 4.90 5.00 5.10

Time-->





#15

Acrylonitrile

Concen: 1.560 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

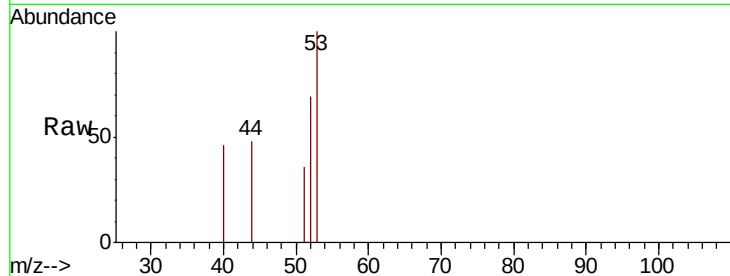
Tot Ion: 53 Resp: 981

Ion Ratio Lower Upper

53 100

52 83.4 65.1 97.7

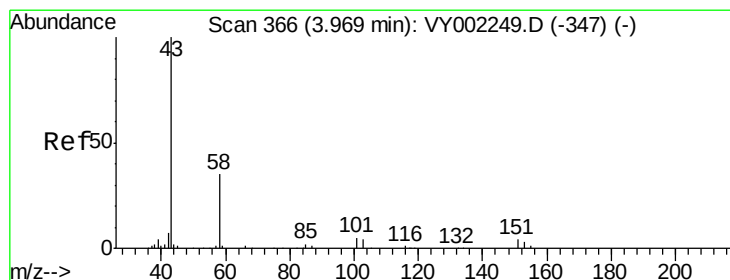
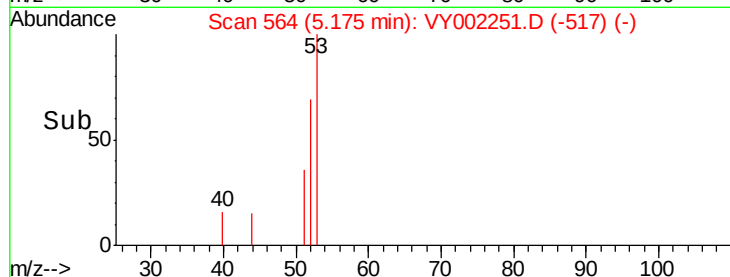
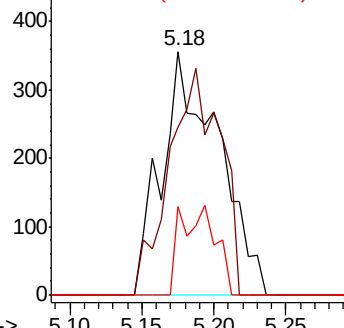
51 22.4 27.1 40.7#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 4.061 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.00 min

Lab File: VY002251.D

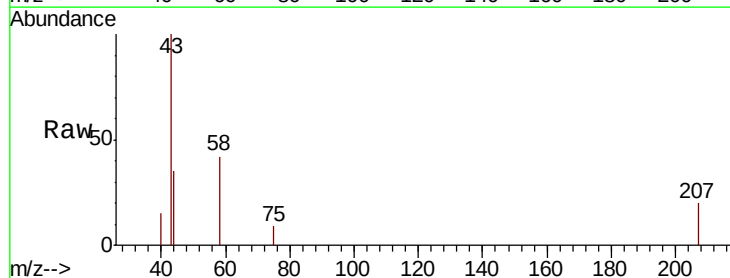
Acq: 08 Apr 2020 15:29

Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

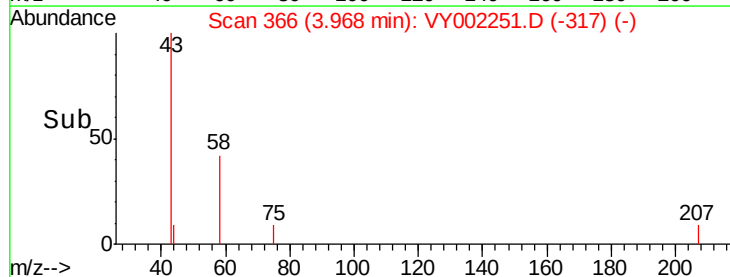
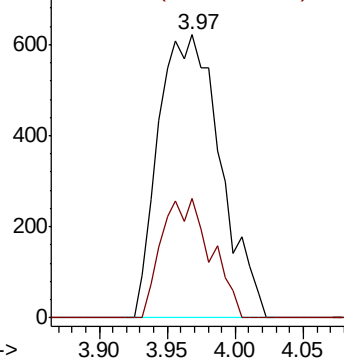
43 100

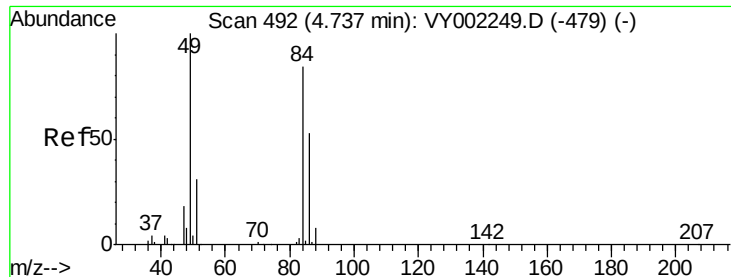
58 42.0 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

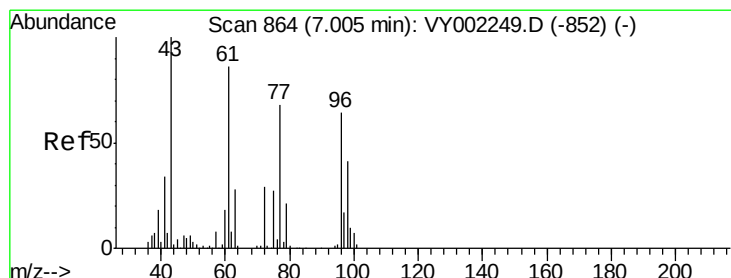
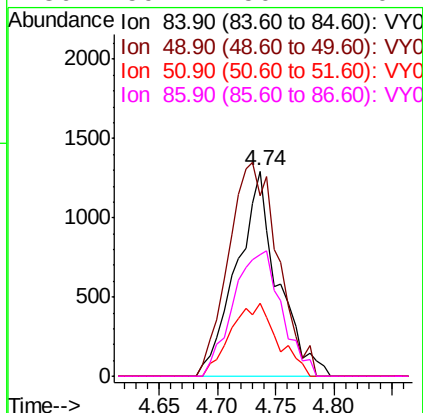
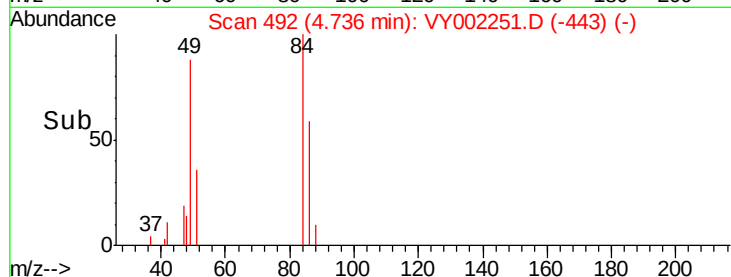
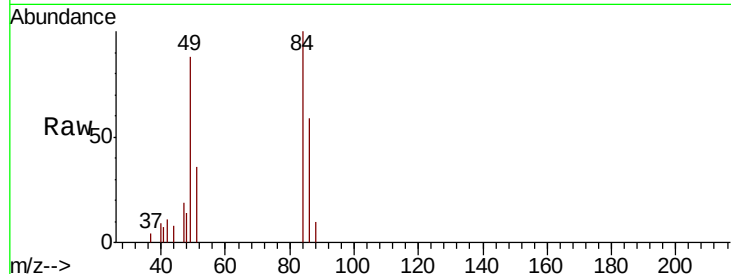




#20
Methylene Chloride
Concen: 1.336 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.00 min
Lab File: VY002251.D
Acq: 08 Apr 2020 15:29

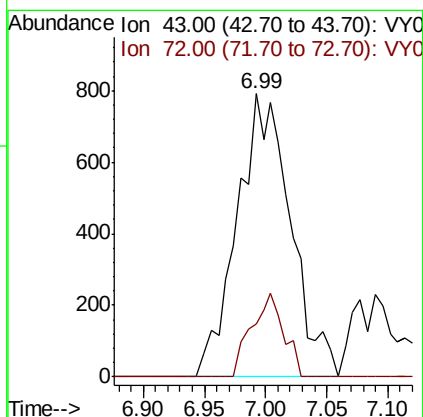
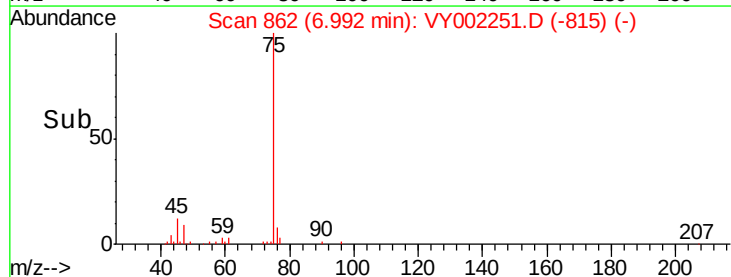
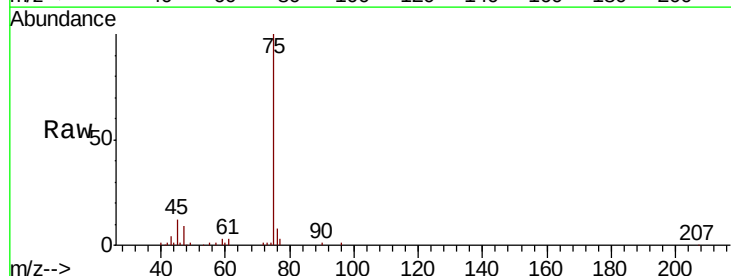
Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBL01

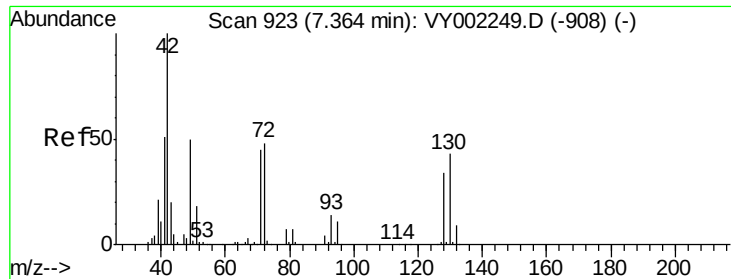
Tot Ion: 84 Resp: 3182
Ion Ratio Lower Upper
84 100
49 87.8 95.5 143.3#
51 35.9 29.5 44.3
86 59.2 50.7 76.1



#25
2-Butanone
Concen: 3.128 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002251.D
Acq: 08 Apr 2020 15:29

Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
72 18.7 23.2 34.8#





#29

Tetrahydrofuran

Concen: 1.316 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.00 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

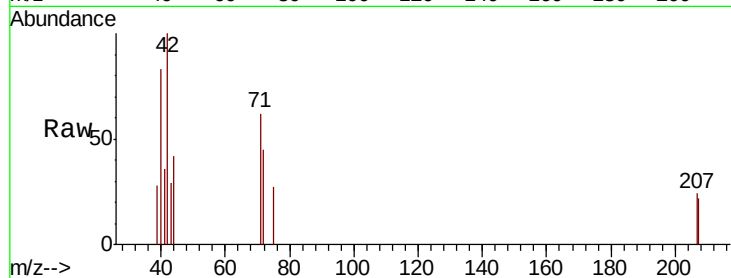
Tot Ion: 42 Resp: 667

Ion Ratio Lower Upper

42 100

72 51.7 36.7 55.1

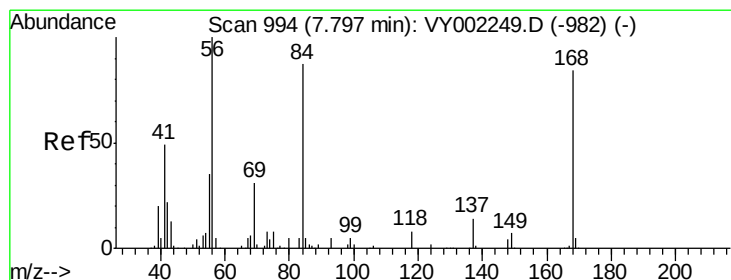
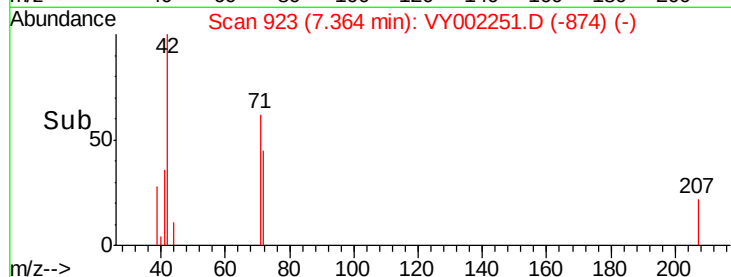
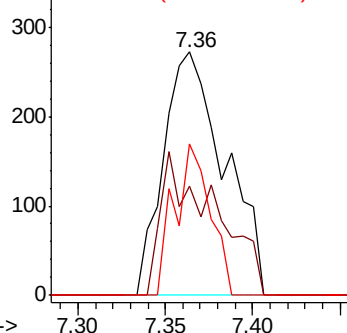
71 36.1 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

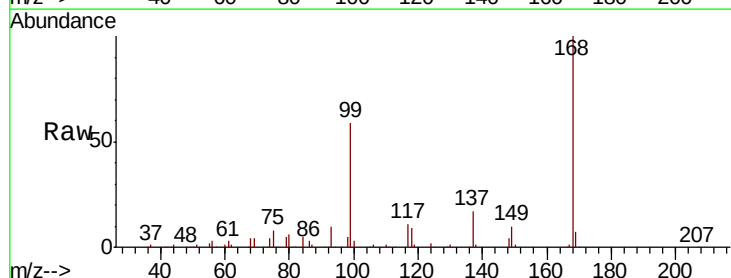
Tgt Ion: 56 Resp: 4327

Ion Ratio Lower Upper

56 100

69 139.2 25.0 37.6#

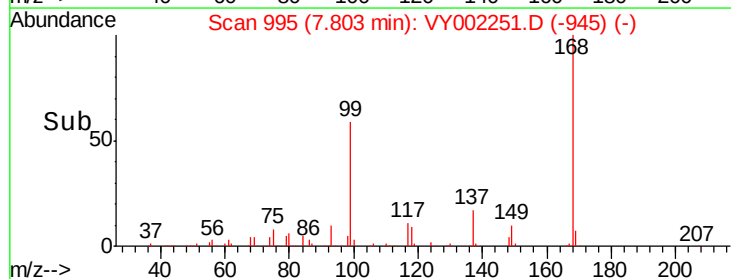
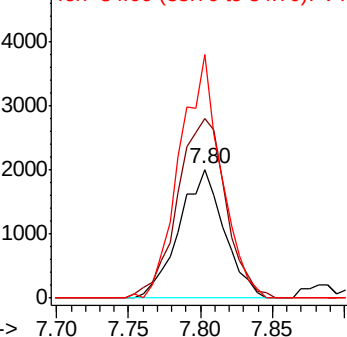
84 188.8 69.7 104.5#

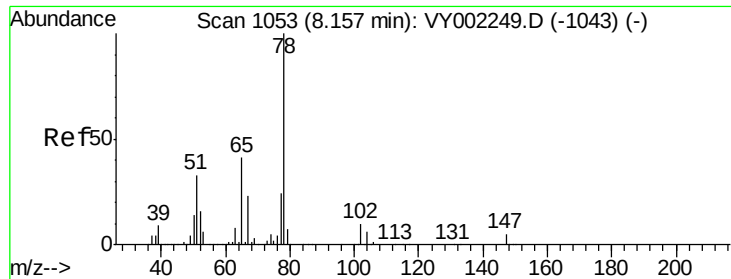


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

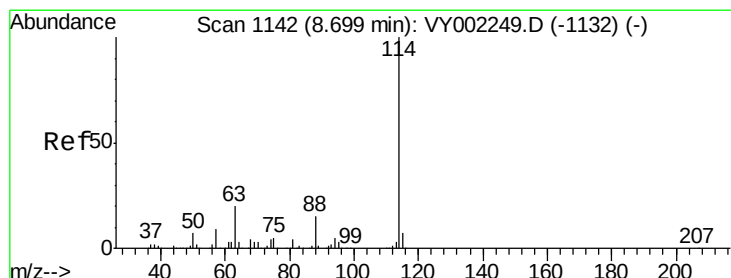
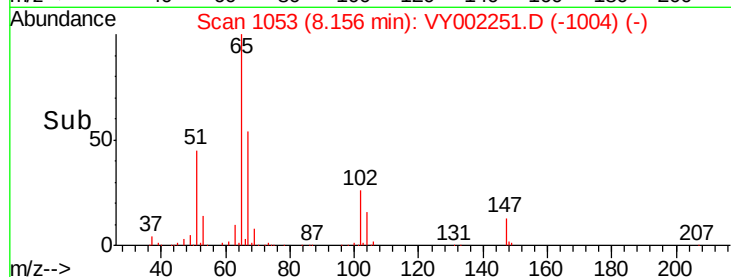
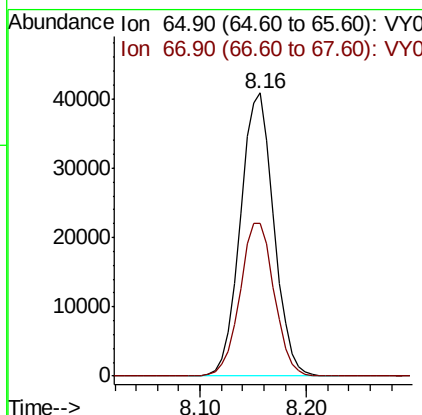
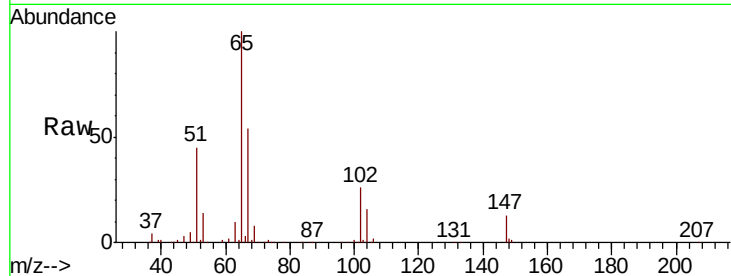




#33
 1,2-Dichloroethane-d4
 Concen: 48.798 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

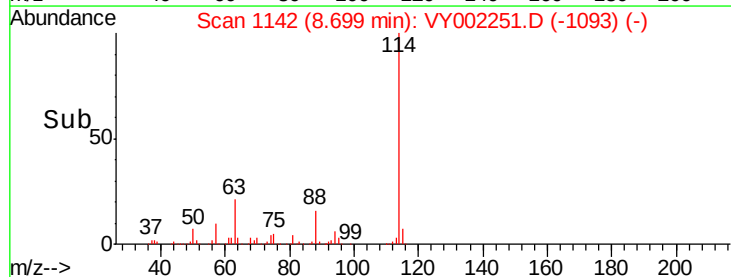
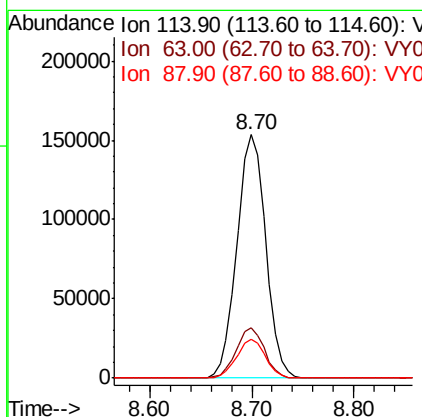
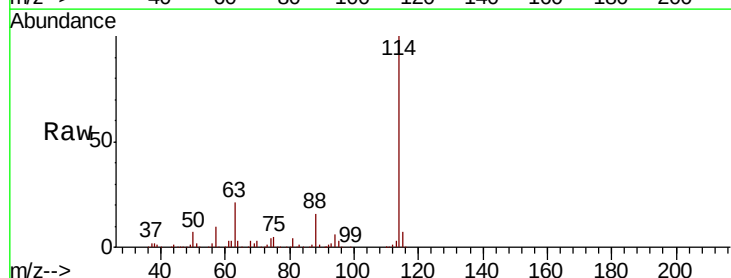
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBL01

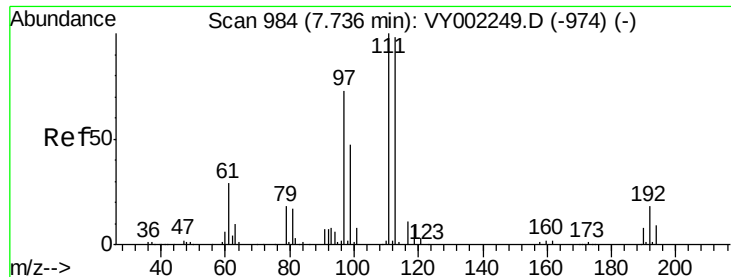
Tot Ion: 65 Resp: 89795
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

Tgt Ion: 114 Resp: 300044
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 16.1 0.0 31.0

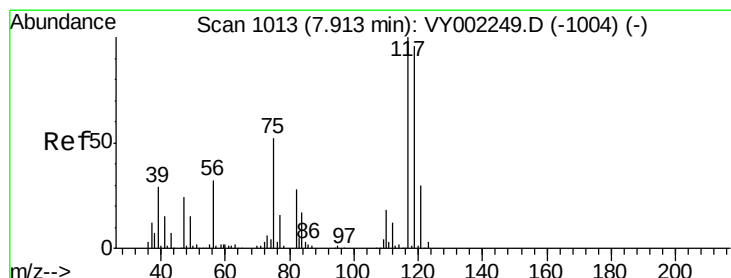
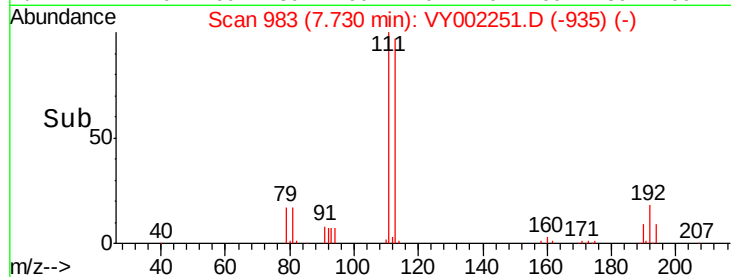
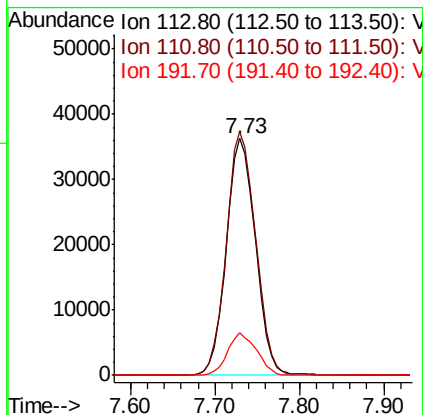
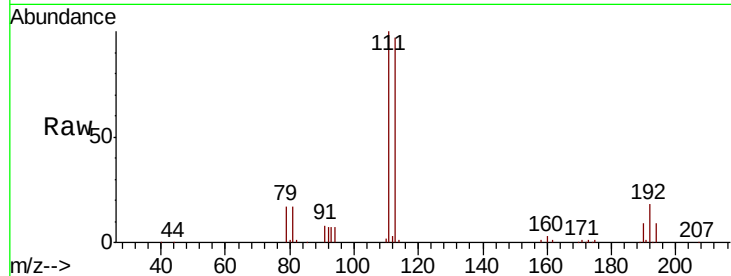




#35
 Dibromofluoromethane
 Concen: 47.779 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

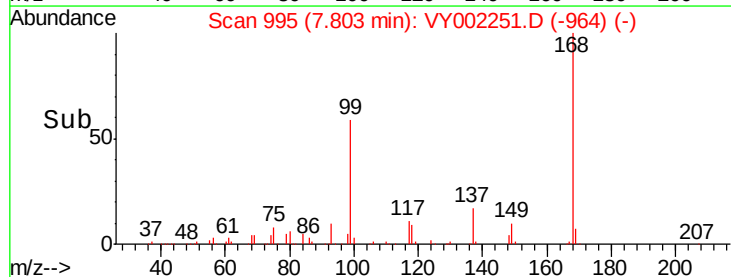
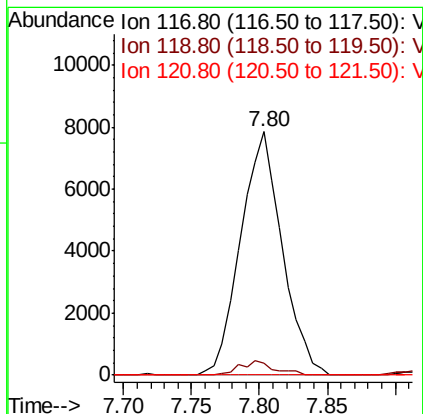
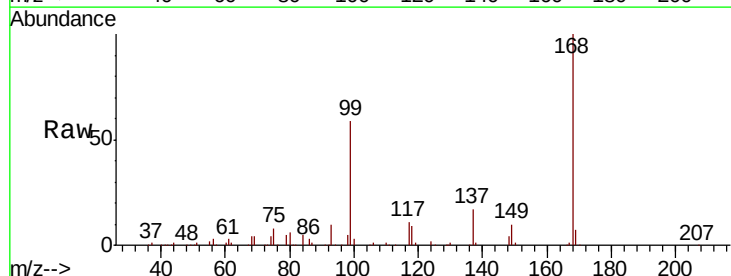
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 VY0408SBL01

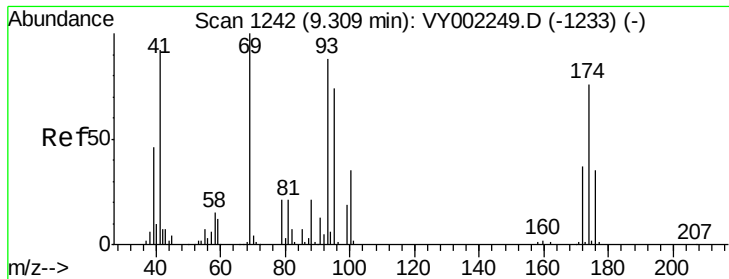
Tot Ion:113 Resp: 85303
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.5 125.3
 192 17.8 14.7 22.1



#38
 Carbon Tetrachloride
 Concen: 6.624 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

Tgt Ion:117 Resp: 16746
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.1 115.7#
 121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 5.287 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

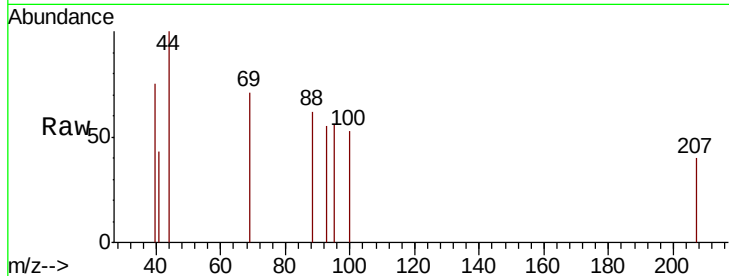
Tot Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.2#

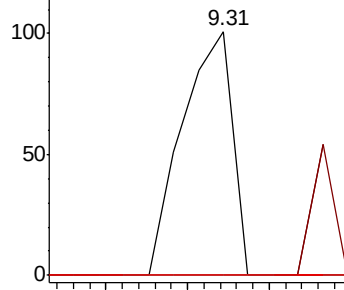
58 0.0 57.6 86.4#



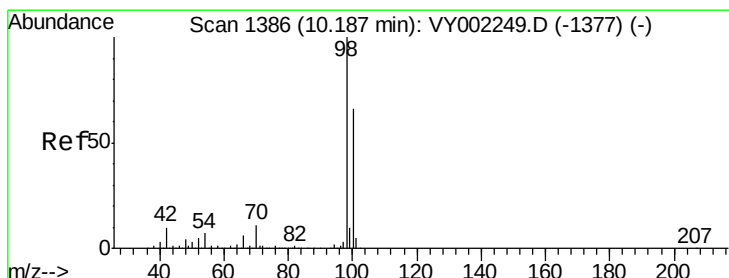
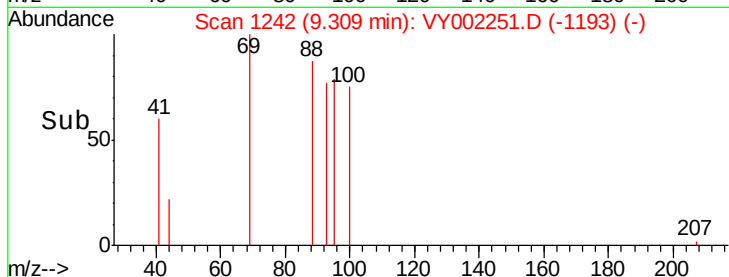
Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#50

Toluene-d8

Concen: 48.390 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY002251.D

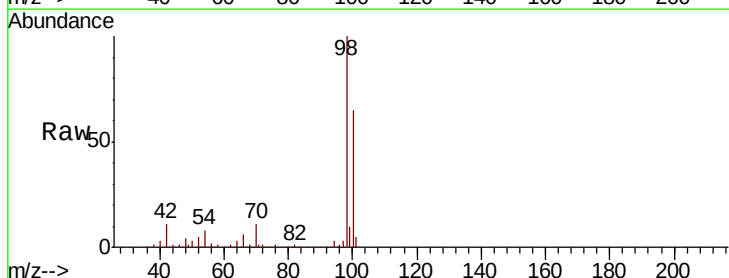
Acq: 08 Apr 2020 15:29

Tgt Ion: 98 Resp: 361608

Ion Ratio Lower Upper

98 100

100 64.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

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Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

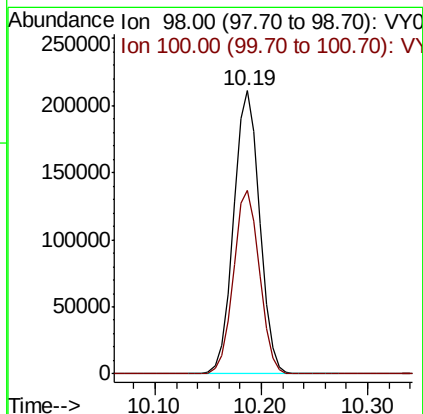
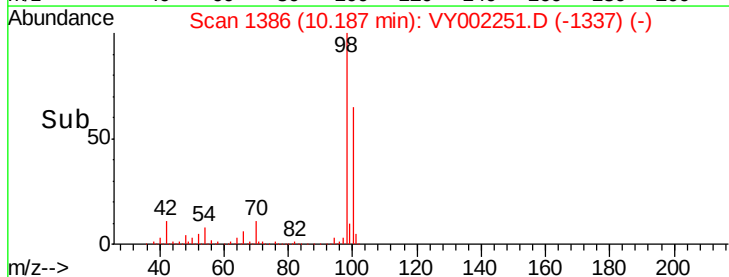
Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

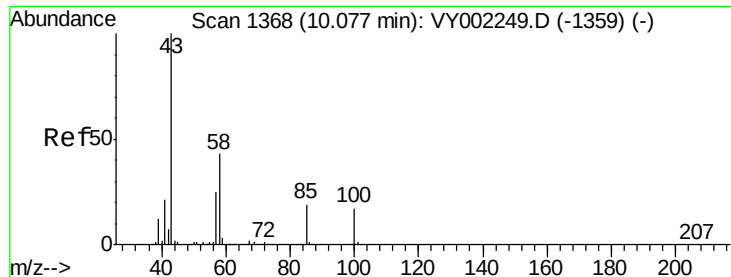
Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



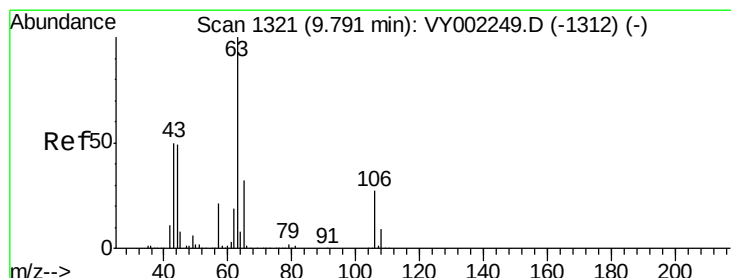
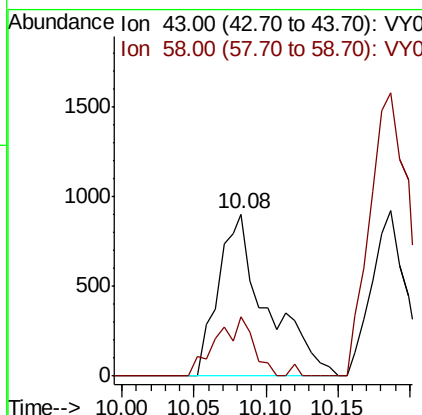
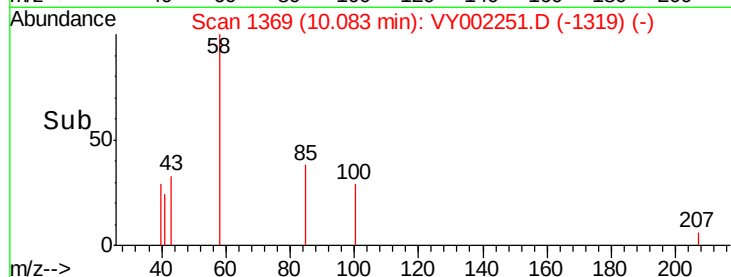
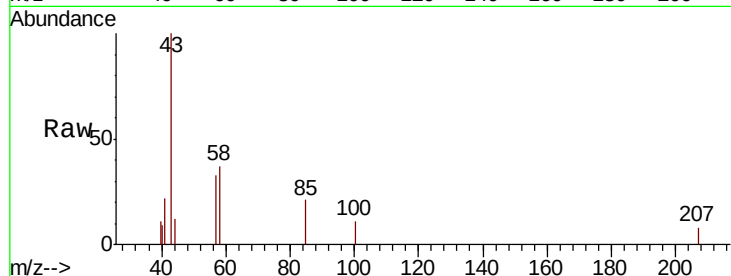
Time-->



#51
 4-Methyl-2-Pentanone
 Concen: 1.323 ug/l
 RT: 10.08 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

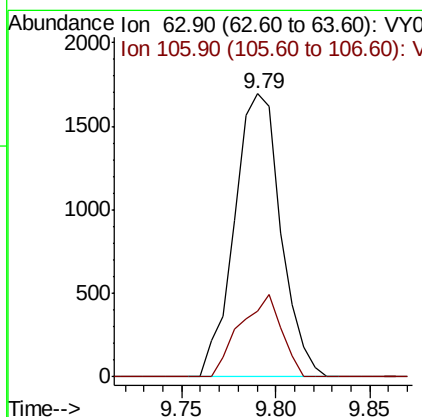
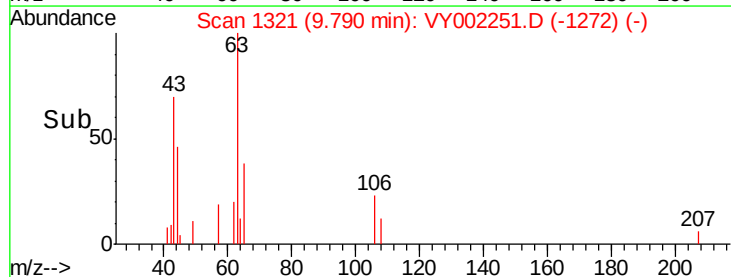
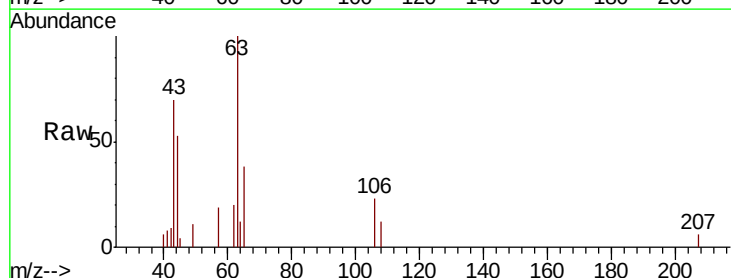
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBL01

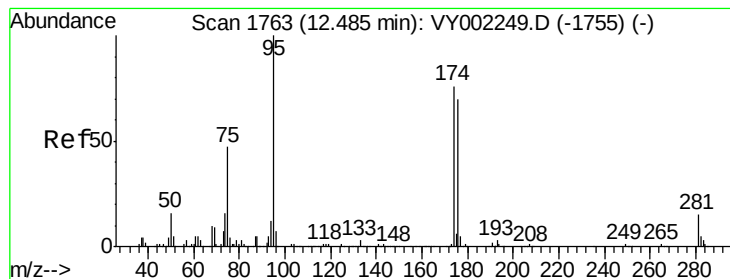
Tot Ion: 43 Resp: 2122
 Ion Ratio Lower Upper
 43 100
 58 27.9 33.8 50.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.303 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY002251.D
 Acq: 08 Apr 2020 15:29

Tgt Ion: 63 Resp: 2899
 Ion Ratio Lower Upper
 63 100
 106 25.9 22.2 33.2





#62

4-Bromofluorobenzene

Concen: 49.382 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

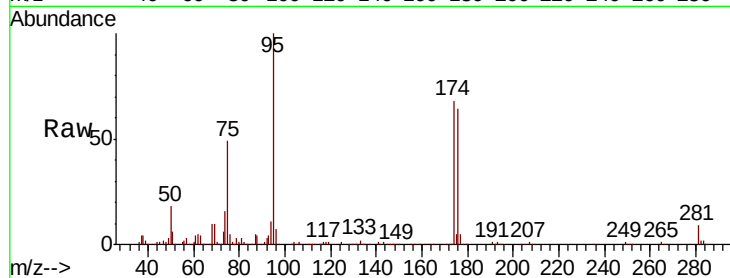
Tot Ion: 95 Resp: 121745

Ion Ratio Lower Upper

95 100

174 71.3 0.0 150.6

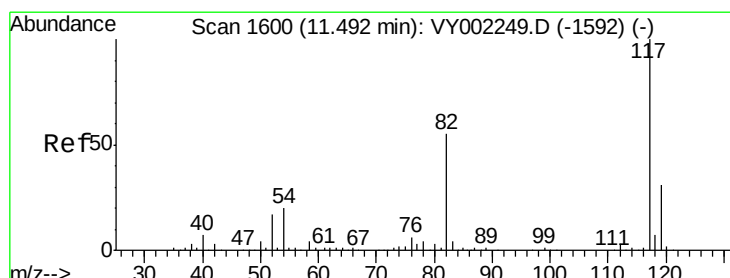
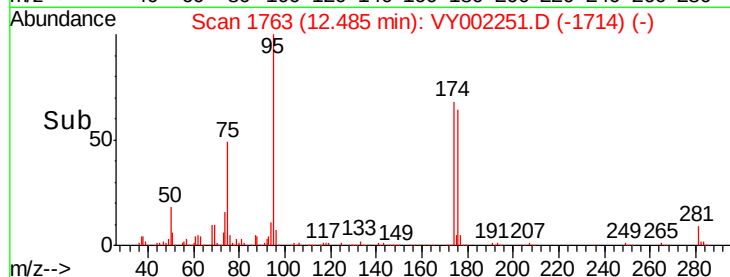
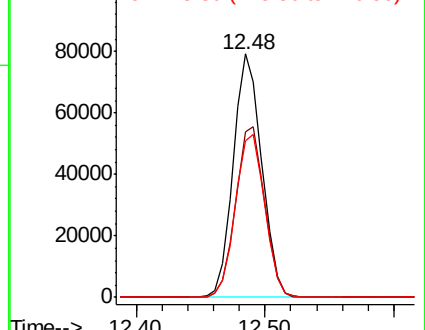
176 69.3 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY002249.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY002249.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY002249.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

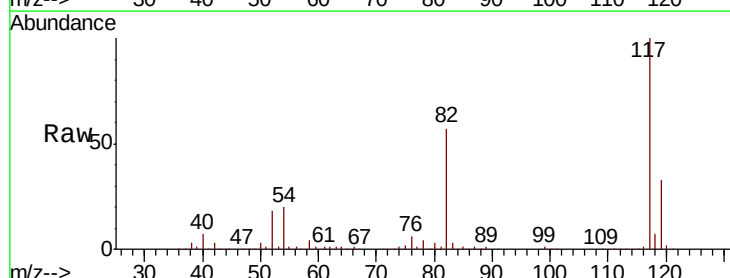
Tgt Ion: 117 Resp: 265564

Ion Ratio Lower Upper

117 100

82 57.2 44.2 66.4

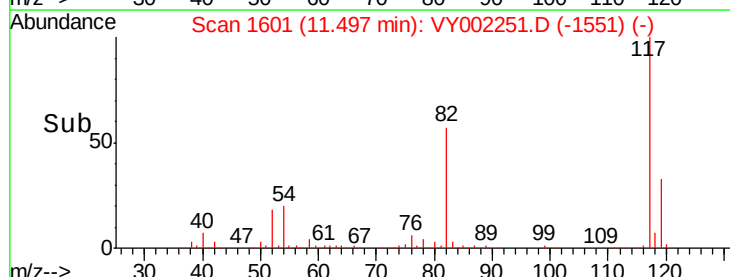
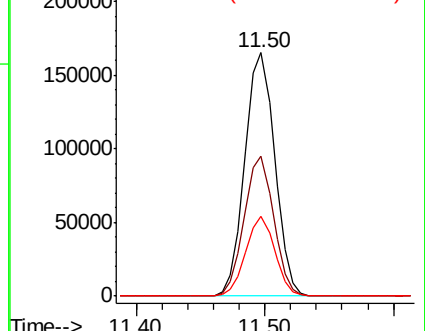
119 32.6 25.1 37.7

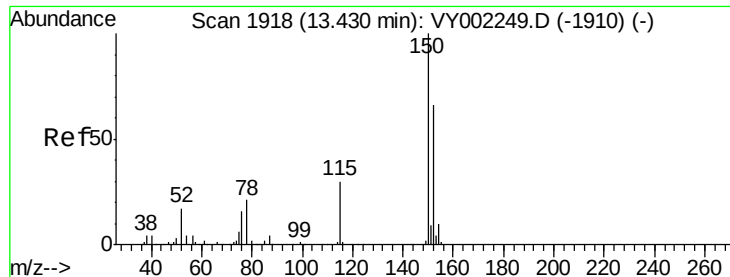


Abundance Ion 116.90 (116.60 to 117.60): VY002249.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY002249.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY002249.D (-1592) (-)



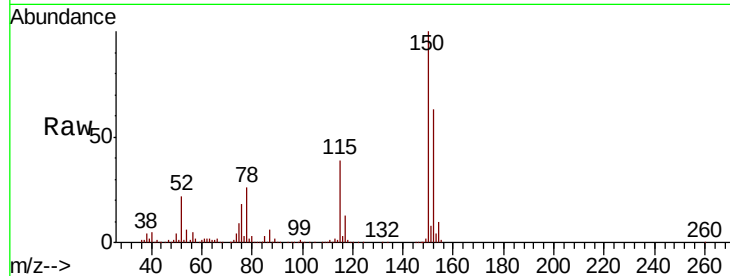


#72

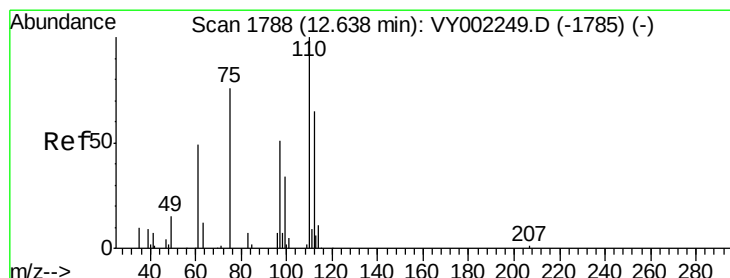
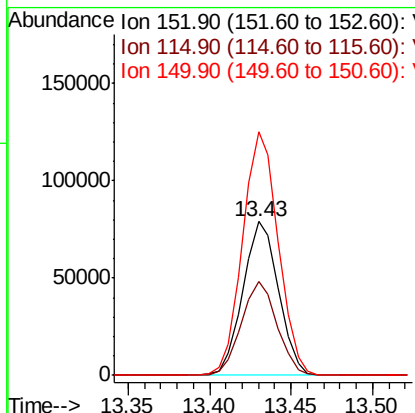
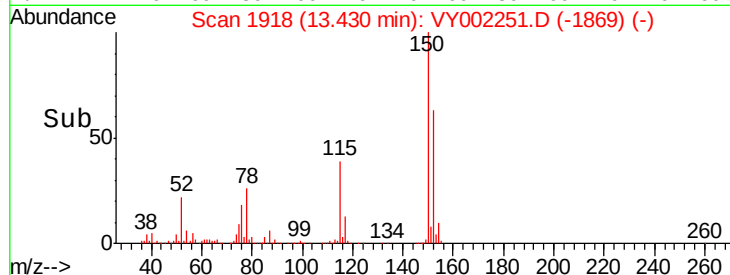
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002251.D
Acq: 08 Apr 2020 15:29

Instrument :
MSVOA_Y
ClientSampleId :
VY0408SBL01

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



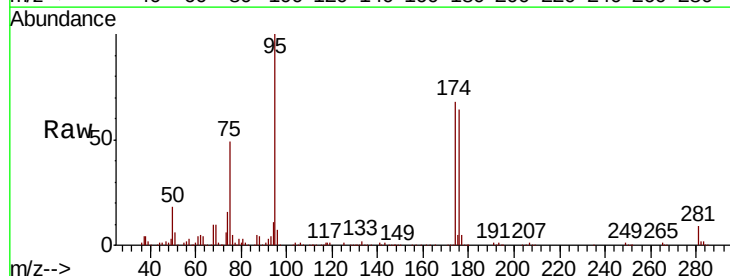
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



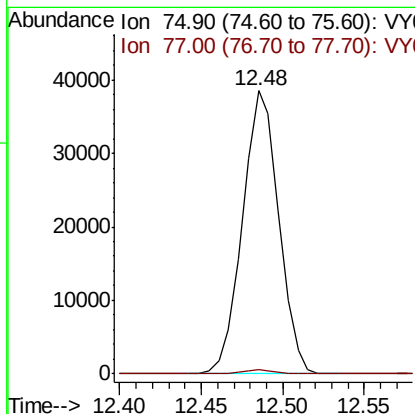
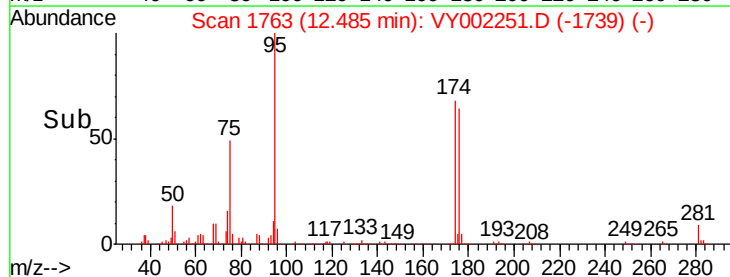
#76

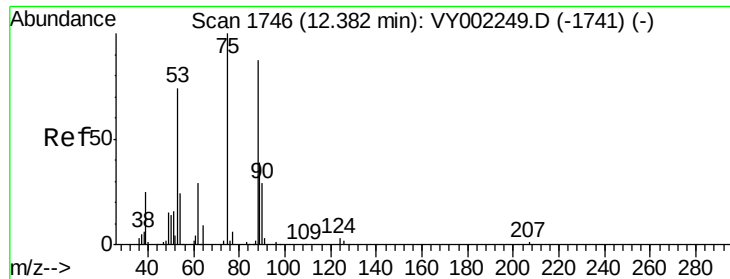
1,2,3-Trichloropropane
Concen: 42.693 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002251.D
Acq: 08 Apr 2020 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 83.037 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

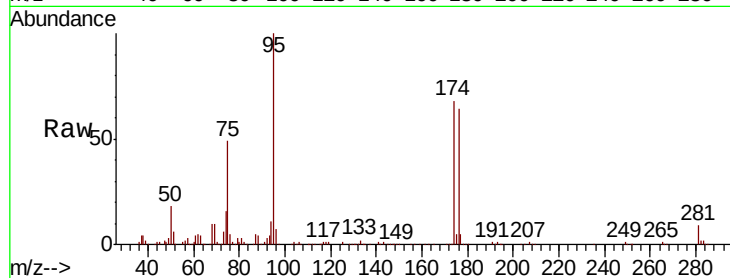
Tot Ion: 75 Resp: 59692

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

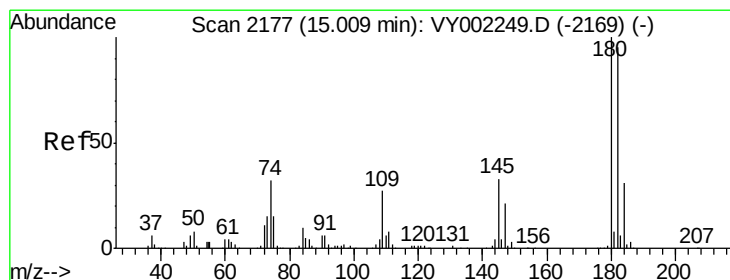
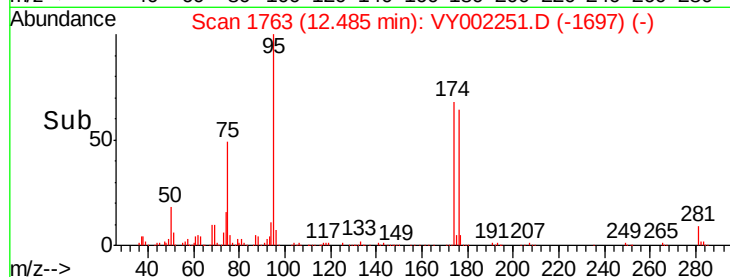
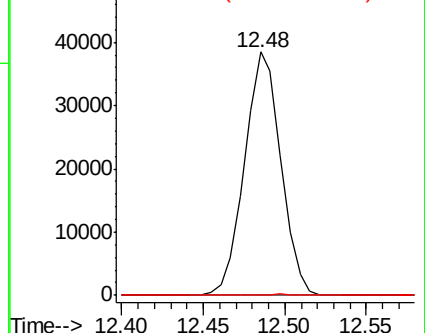
89 0.3 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.065 ug/l

RT: 15.02 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

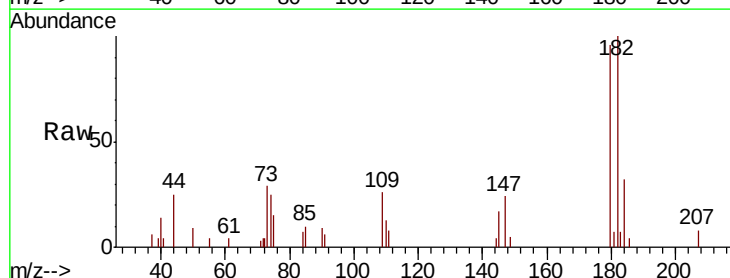
Tgt Ion: 180 Resp: 2550

Ion Ratio Lower Upper

180 100

182 91.8 47.9 143.7

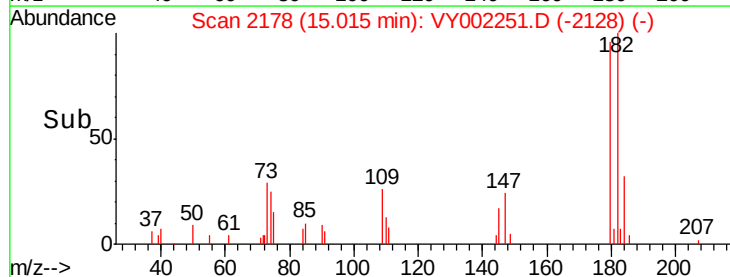
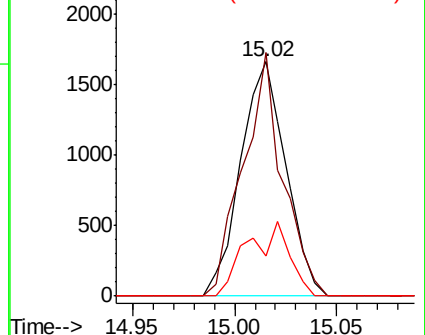
145 29.5 16.0 48.0

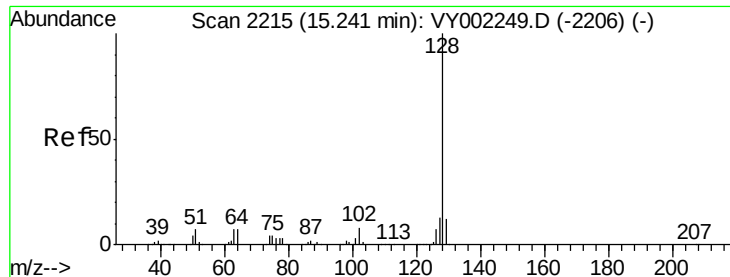


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.378 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.00 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

Instrument :

MSVOA_Y

ClientSampleId :

VY0408SBL01

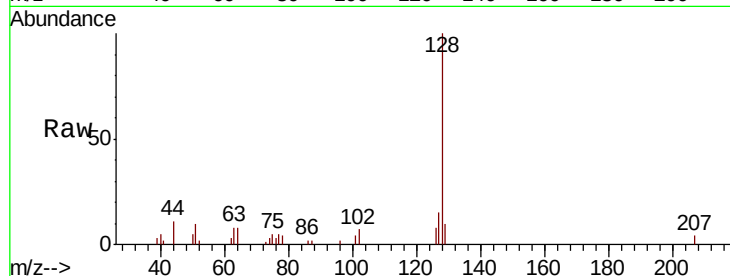
Tot Ion:128 Resp: 7226

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

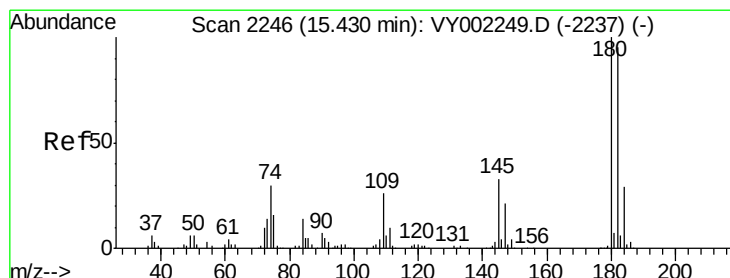
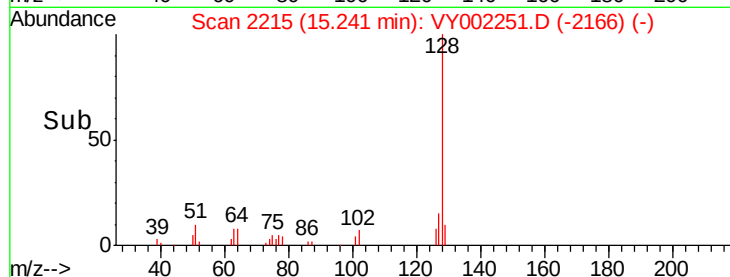
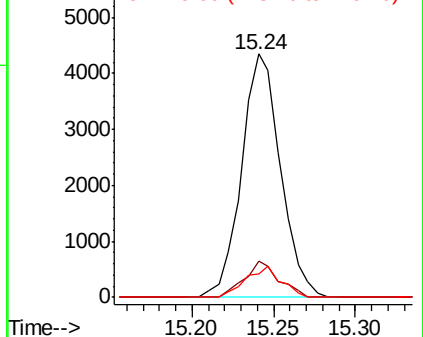
129 11.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.387 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY002251.D

Acq: 08 Apr 2020 15:29

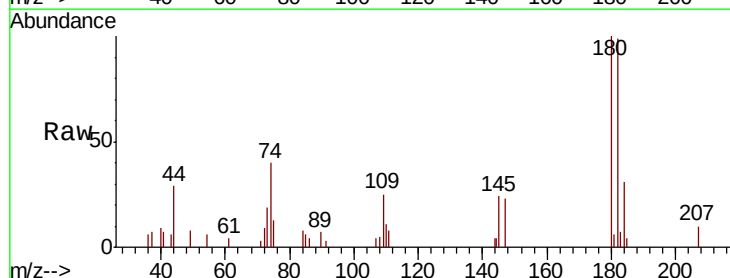
Tgt Ion:180 Resp: 2884

Ion Ratio Lower Upper

180 100

182 102.7 47.1 141.3

145 33.5 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

