

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002401.D
 Acq On : 17 Apr 2020 15:57
 Operator : SY/MD
 Sample : L2271-08
 Misc : 3.53G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:38:35 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	7.82	168	108454	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	212996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	188083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	74786	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	56725	47.03	ug/l	0.00
Spiked Amount						
			Recovery	=	94.06%	
35) Dibromofluoromethane	7.74	113	62999	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
50) Toluene-d8	10.19	98	250290	47.18	ug/l	0.00
Spiked Amount						
			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.49	95	77398	44.22	ug/l	0.00
Spiked Amount						
			Recovery	=	88.44%	

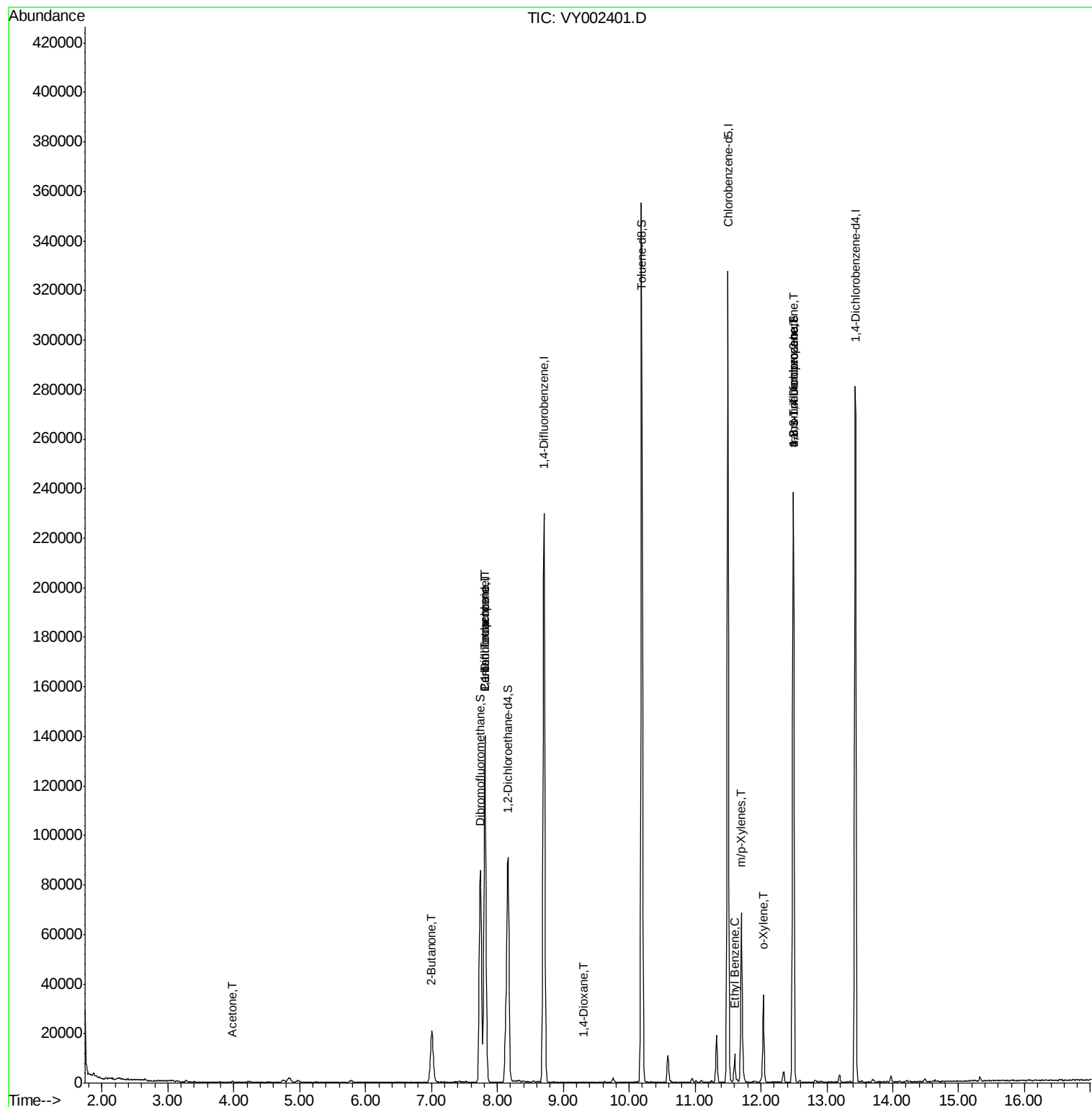
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	793	Below Cal	#	77
16) Acetone	3.97	43	812	2.556	ug/l #	39
25) 2-Butanone	7.00	43	944	1.878	ug/l #	71
36) 1,1-Dichloropropene	7.80	75	8413	4.010	ug/l #	50
38) Carbon Tetrachloride	7.81	117	10768	6.000	ug/l #	16
49) 1,4-Dioxane	9.30	88	95	8.133	ug/l #	23
67) Ethyl Benzene	11.60	91	8454	1.181	ug/l	92
68) m/p-Xylenes	11.70	106	19866	7.411	ug/l	94
69) o-Xylene	12.03	106	9481	3.767	ug/l	94
76) 1,2,3-Trichloropropane	12.49	75	36041	41.501	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	36041	80.720	ug/l #	19

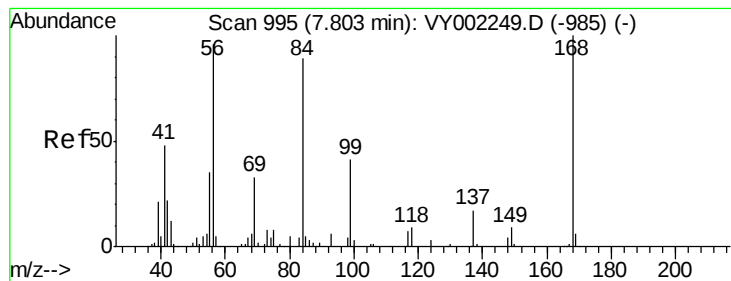
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
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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: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :

MSVOA_Y

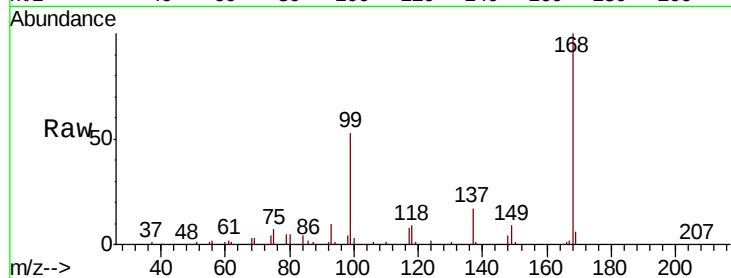
ClientSampleId :

Tot Ion:168 Resp: 108454

Ion Ratio Lower Upper

168 100

99 53.3 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) (-)

7.82

50000

40000

30000

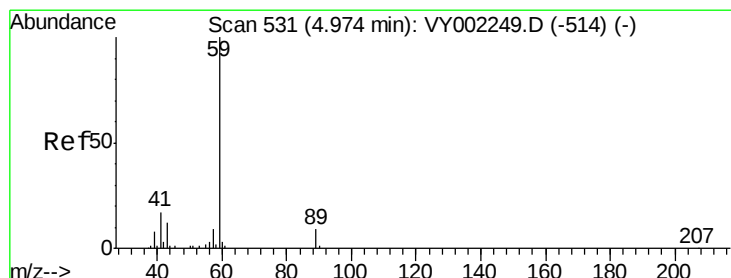
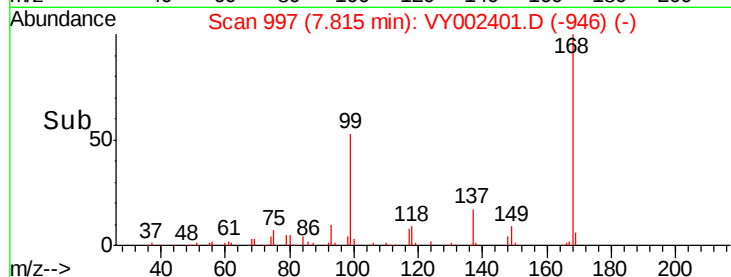
20000

10000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002401.D

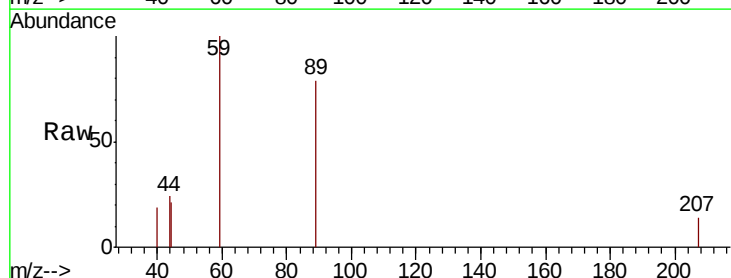
Acq: 17 Apr 2020 15:57

Tgt Ion: 59 Resp: 793

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

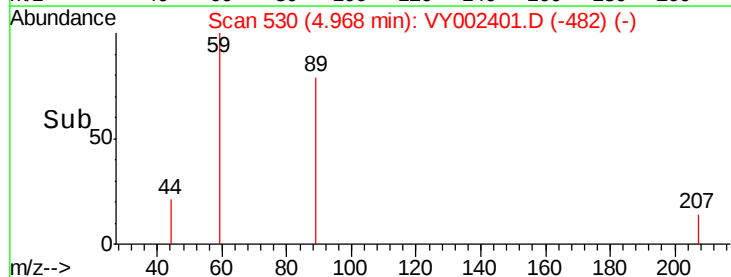
200

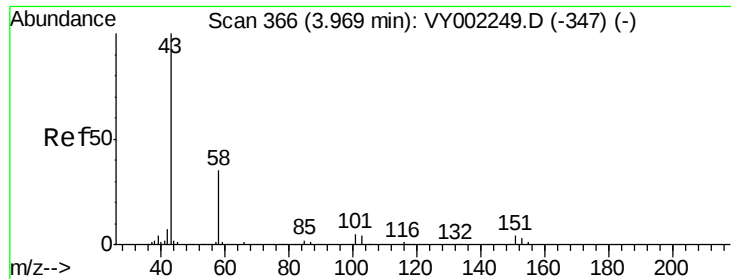
100

0

4.95 5.00

Time-->

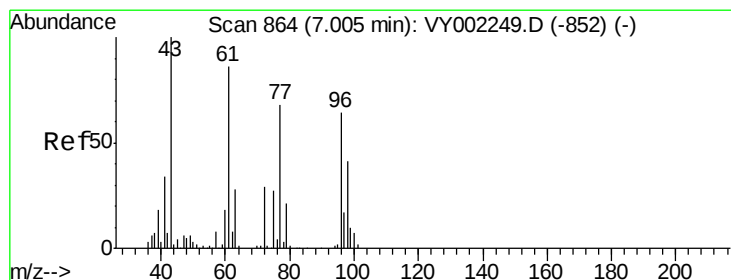
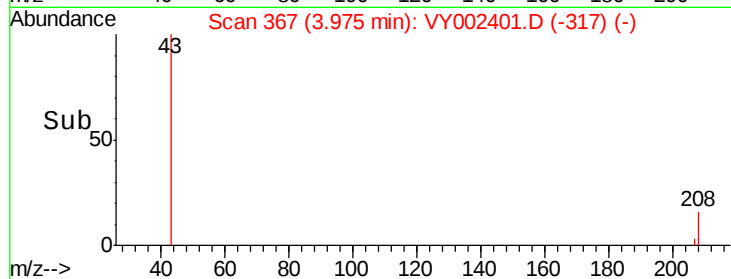
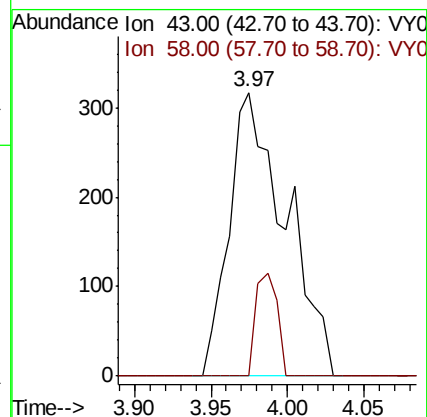
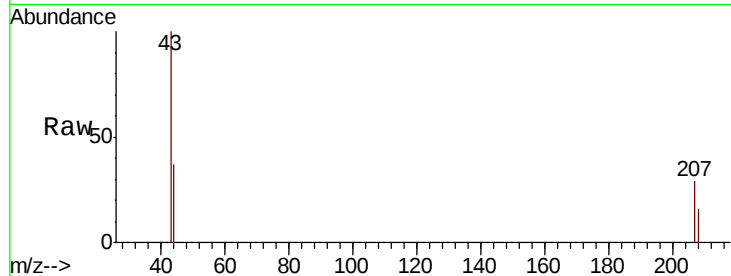




#16
Acetone
Concen: 2.556 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

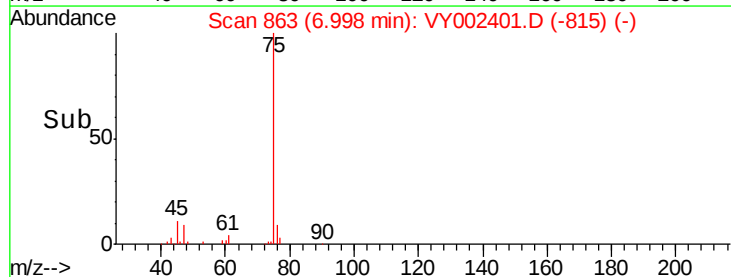
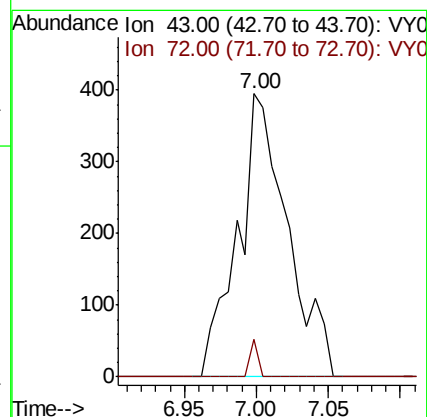
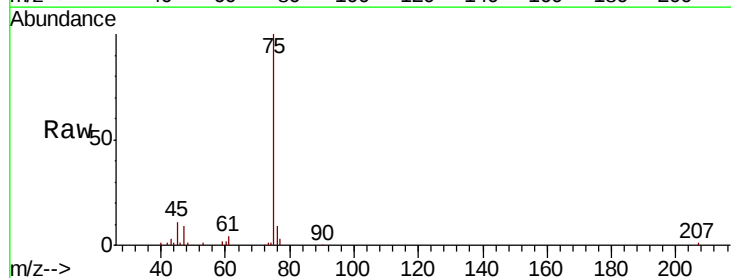
Instrument :
MSVOA_Y
ClientSampleId :

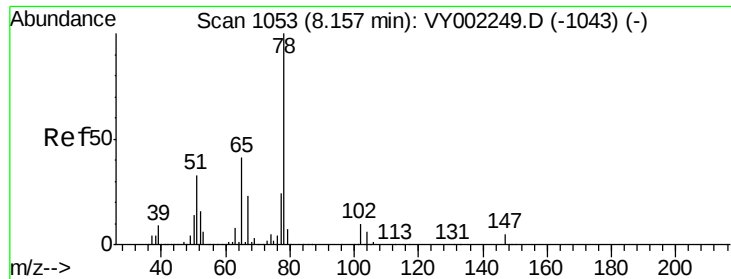
Tot Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#



#25
2-Butanone
Concen: 1.878 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
72 13.4 23.2 34.8#

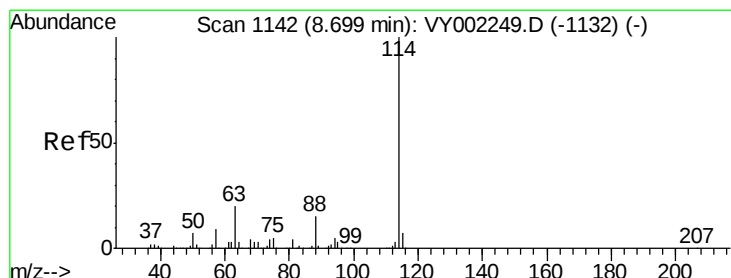
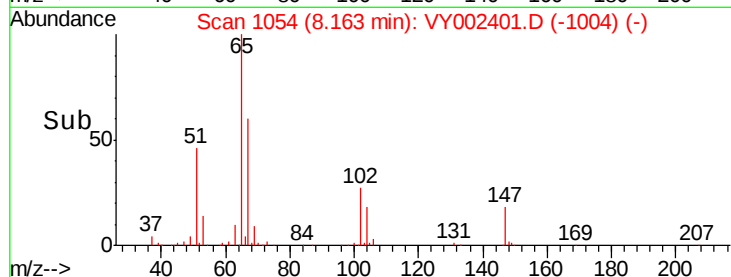
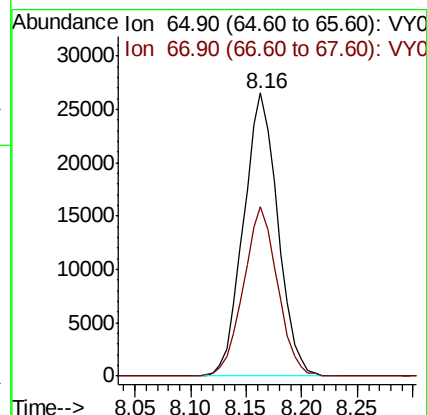
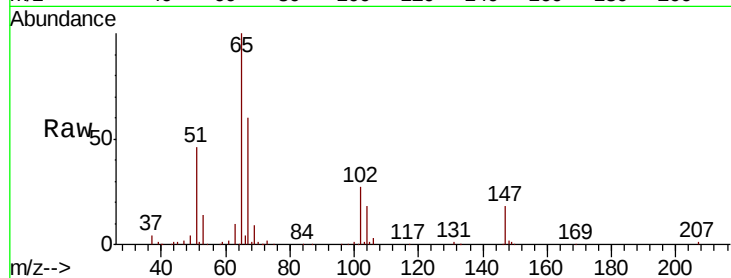




#33
 1,2-Dichloroethane-d4
 Concen: 47.032 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002401.D
 Acq: 17 Apr 2020 15:57

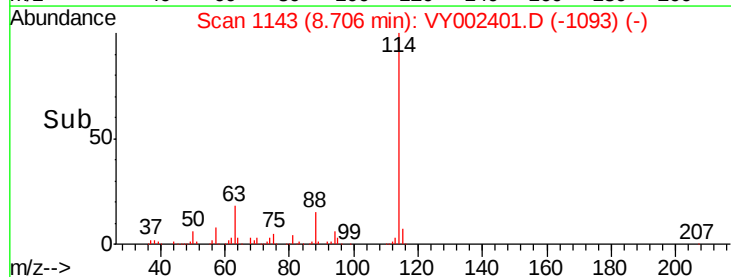
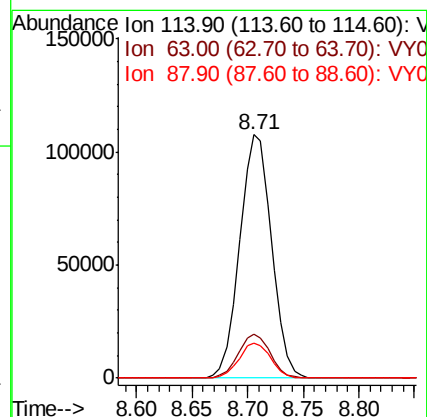
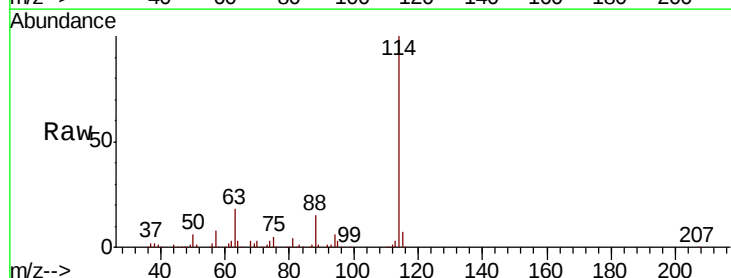
Instrument :
 MSVOA_Y
 ClientSampleId :

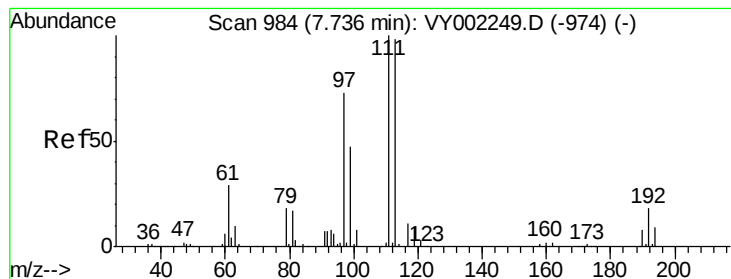
Tot Ion: 65 Resp: 56725
 Ion Ratio Lower Upper
 65 100
 67 59.6 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002401.D
 Acq: 17 Apr 2020 15:57

Tgt Ion: 114 Resp: 212996
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.0
 88 14.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.707 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :

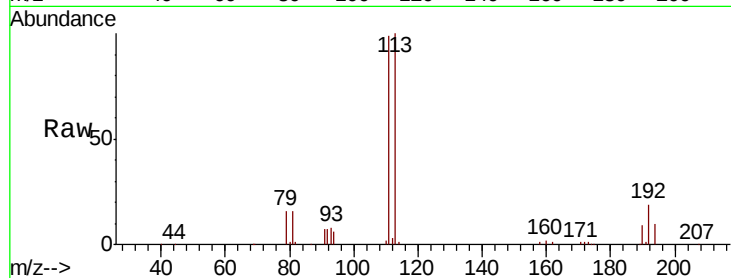
Tot Ion:113 Resp: 62999

Ion Ratio Lower Upper

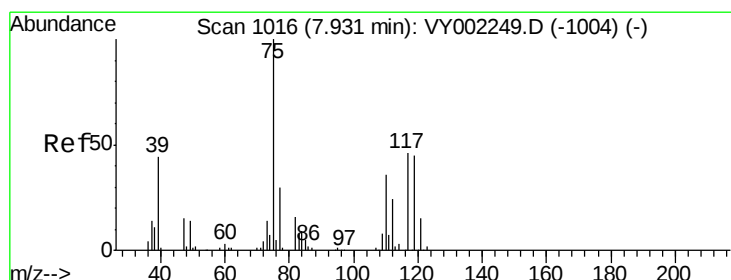
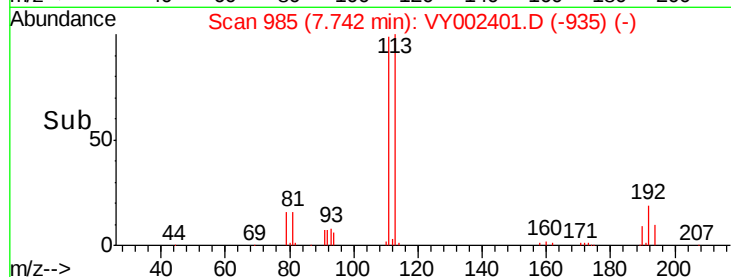
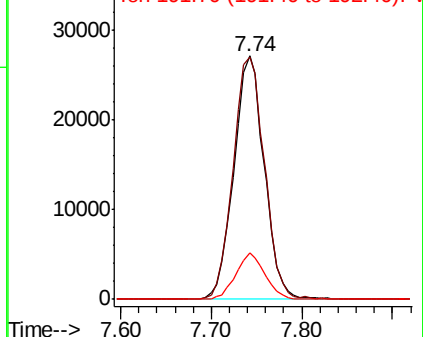
113 100

111 102.6 83.5 125.3

192 18.1 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: 4.010 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

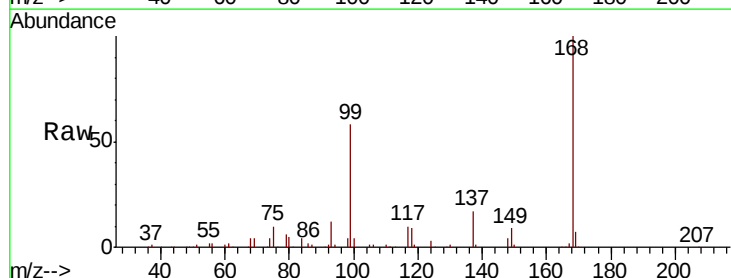
Tgt Ion: 75 Resp: 8413

Ion Ratio Lower Upper

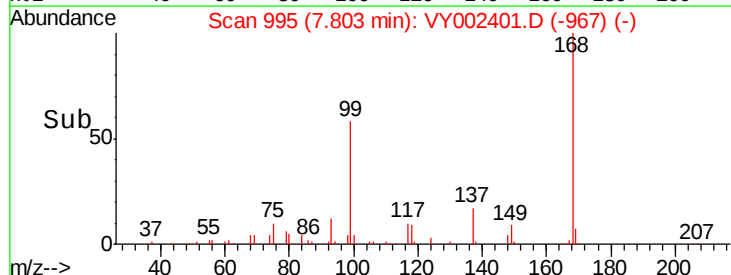
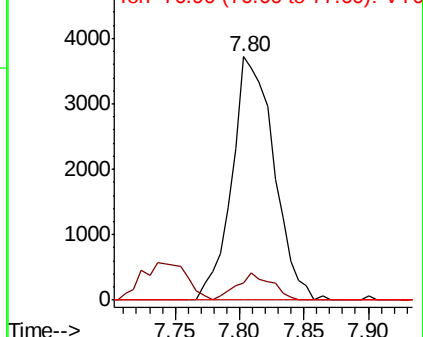
75 100

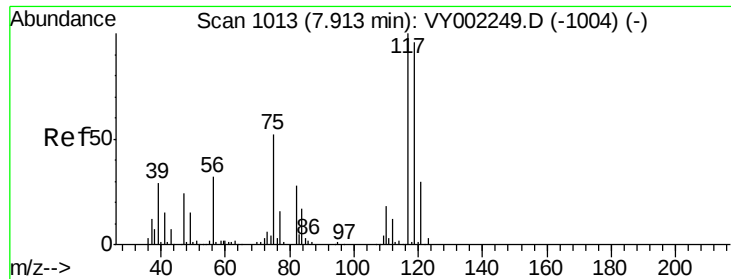
110 9.1 17.8 53.3#

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: 6.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

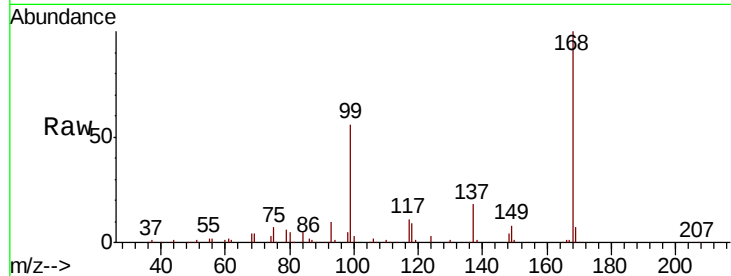
Tot Ion:117 Resp: 10768

Ion Ratio Lower Upper

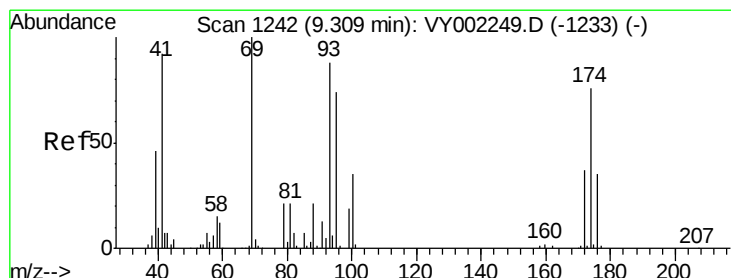
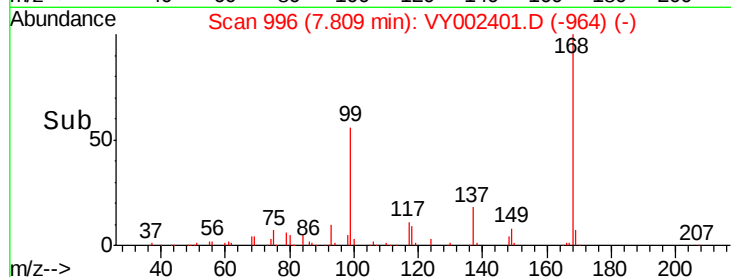
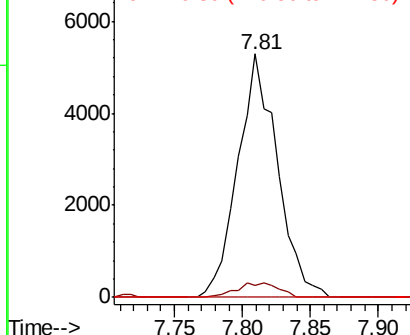
117 100

119 5.1 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



#49

1,4-Dioxane

Concen: 8.133 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

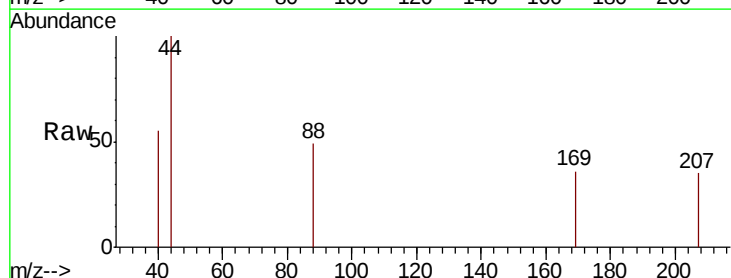
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

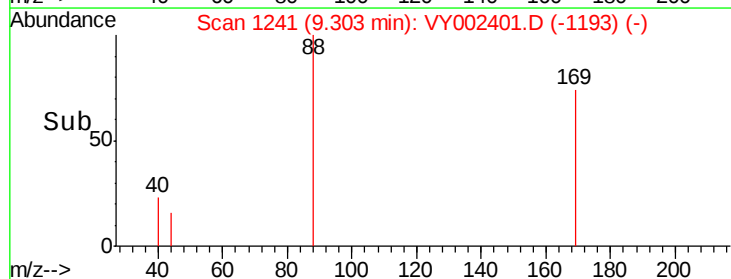
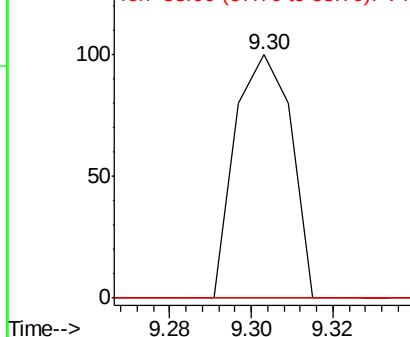
88 100

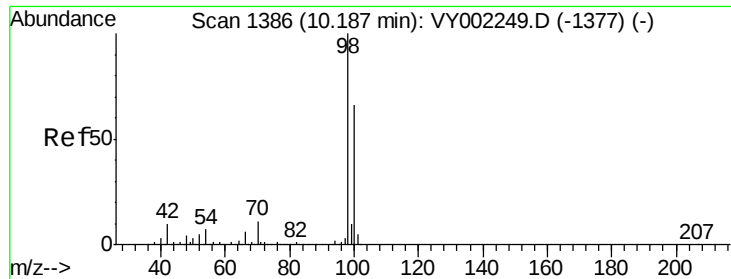
43 0.0 22.2 33.2#

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





#50

Toluene-d8

Concen: 47.182 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :

MSVOA_Y

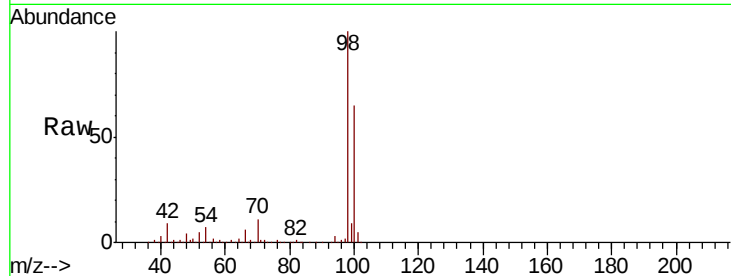
ClientSampleId :

Tot Ion: 98 Resp: 250290

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

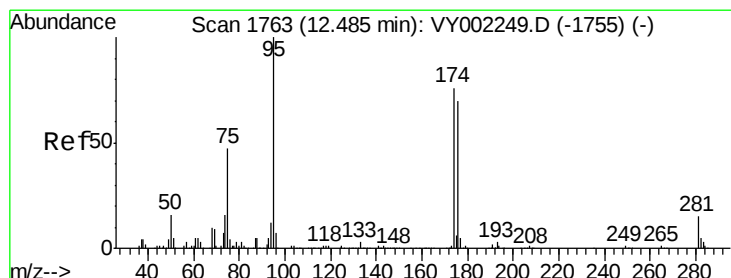
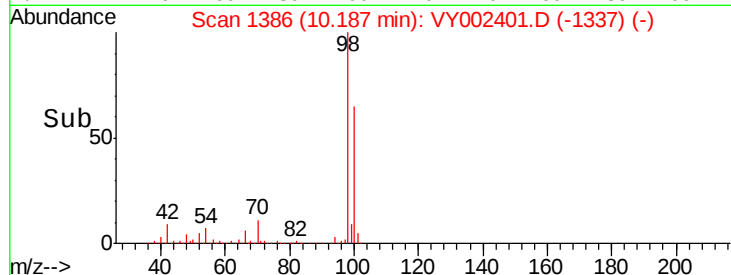
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.224 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

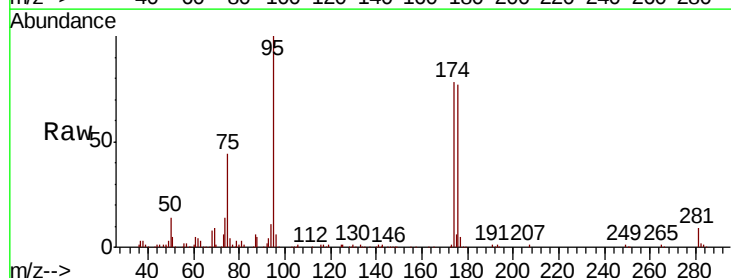
Tgt Ion: 95 Resp: 77398

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

176 74.7 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

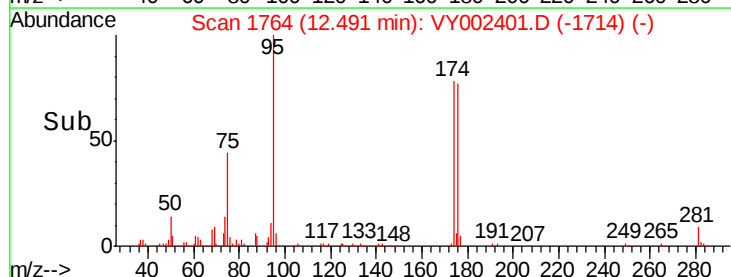
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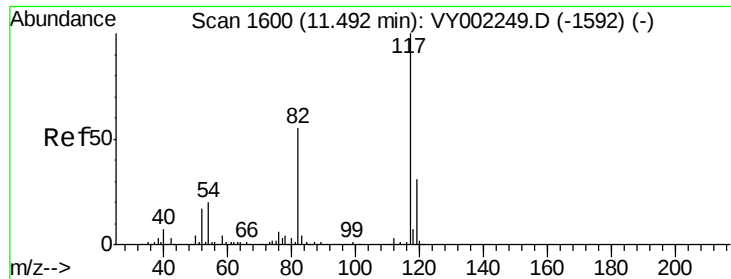
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20000

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Time-->

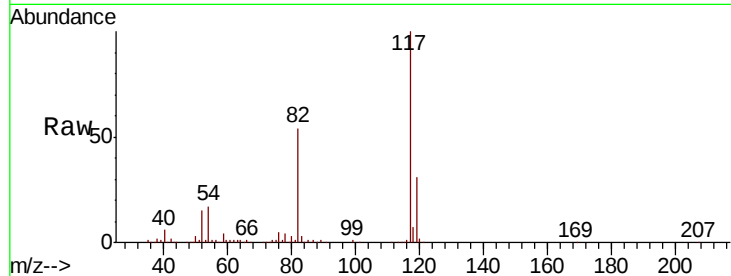




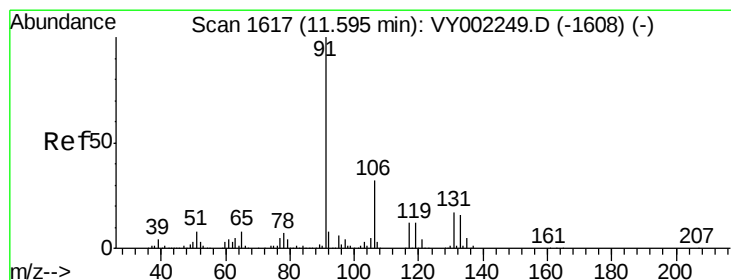
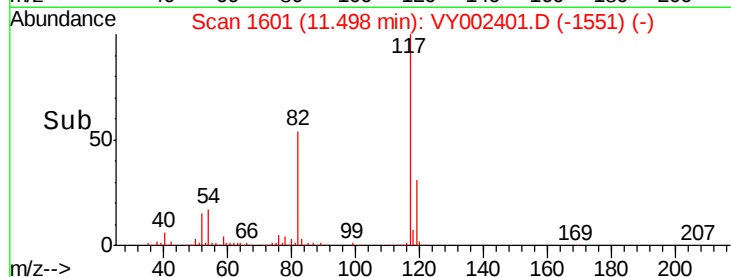
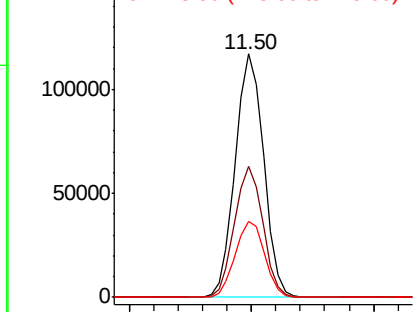
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 188083
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.4
119 31.4 25.1 37.7

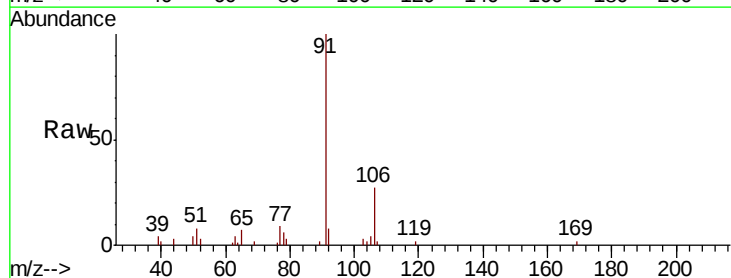


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

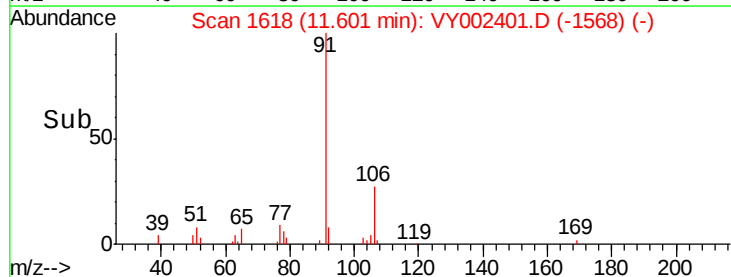
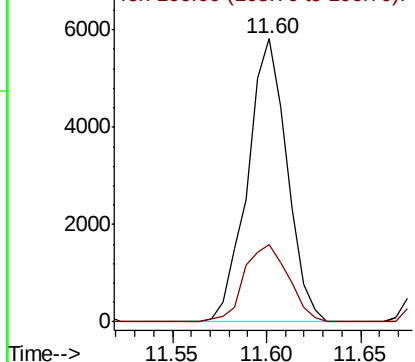


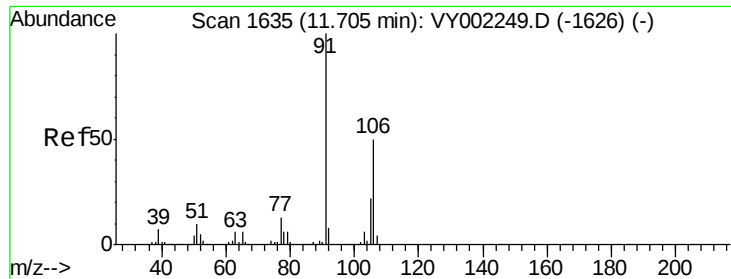
#67
Ethyl Benzene
Concen: 1.181 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

Tgt Ion: 91 Resp: 8454
Ion Ratio Lower Upper
91 100
106 27.2 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V

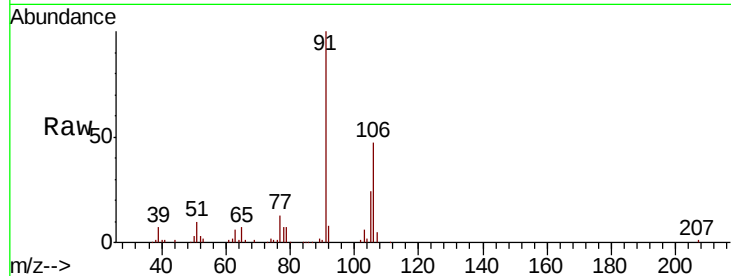




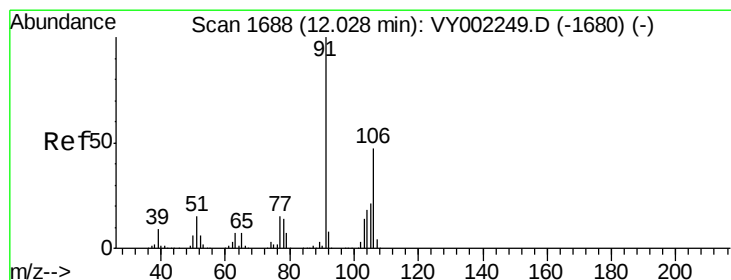
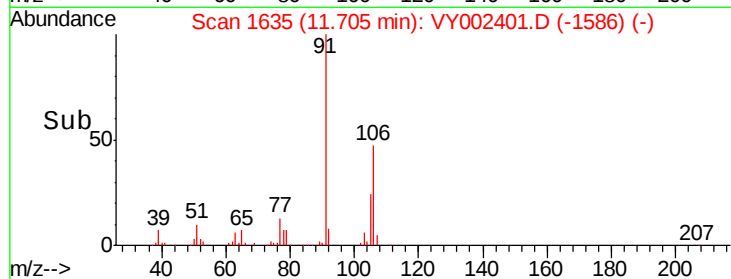
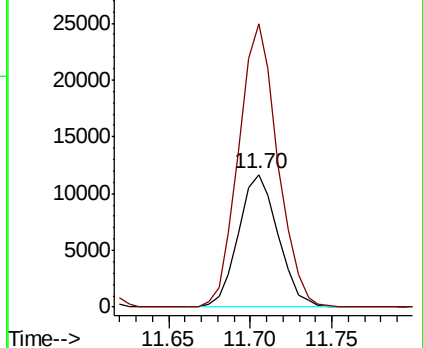
#68
m/p-Xylenes
Concen: 7.411 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 19866
Ion Ratio Lower Upper
106 100
91 209.5 159.8 239.6

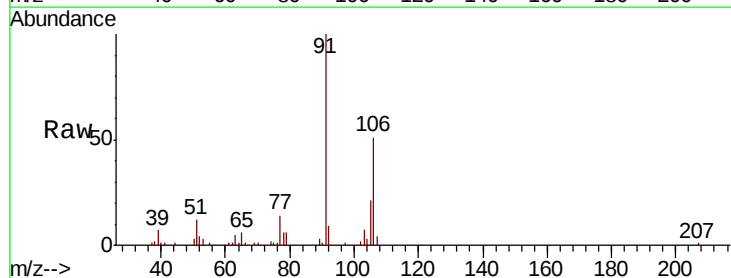


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

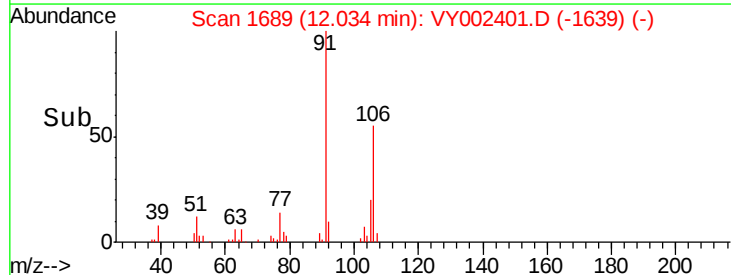
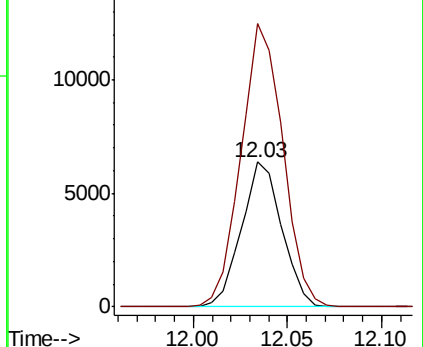


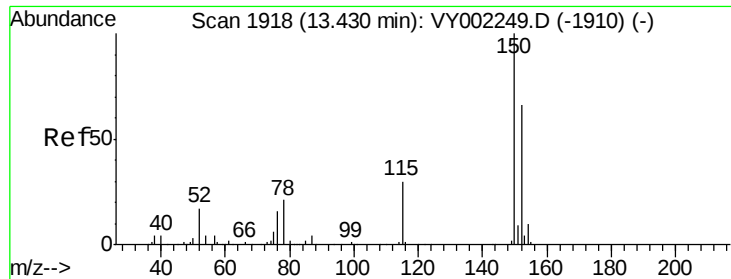
#69
o-Xylene
Concen: 3.767 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY002401.D
Acq: 17 Apr 2020 15:57

Tgt Ion:106 Resp: 9481
Ion Ratio Lower Upper
106 100
91 202.7 105.8 317.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :

MSVOA_Y

ClientSampled :

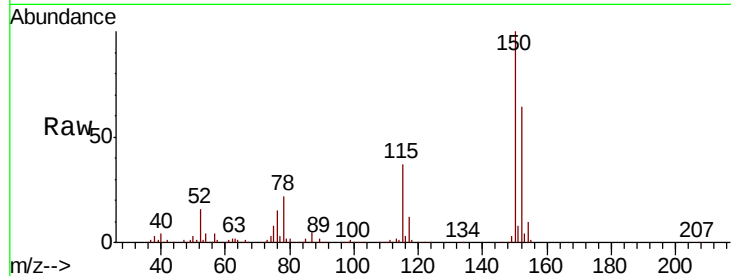
Tot Ion:152 Resp: 74786

Ion Ratio Lower Upper

152 100

115 59.6 30.7 92.1

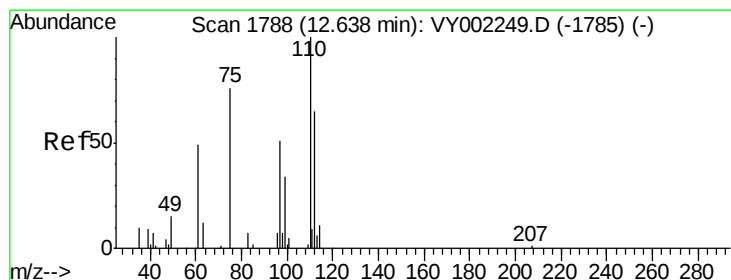
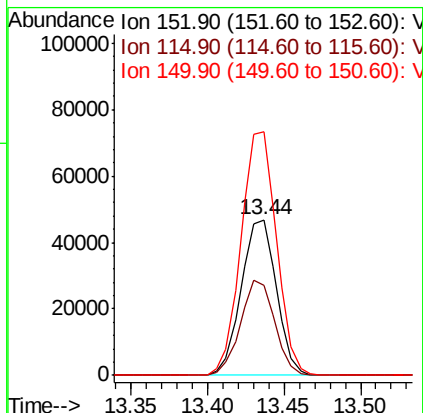
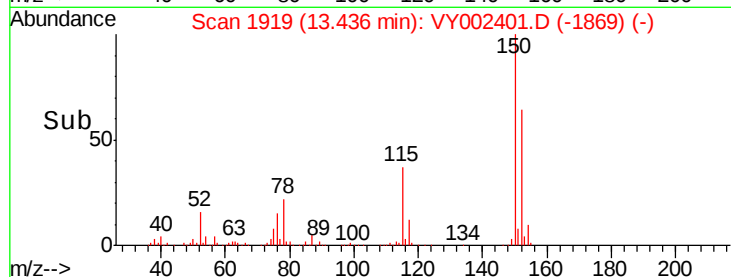
150 157.7 0.0 350.6



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: 41.501 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002401.D

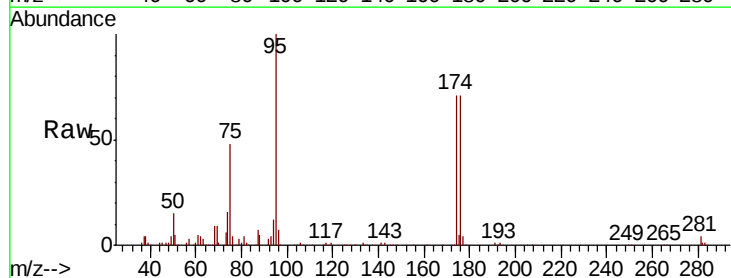
Acq: 17 Apr 2020 15:57

Tgt Ion: 75 Resp: 36041

Ion Ratio Lower Upper

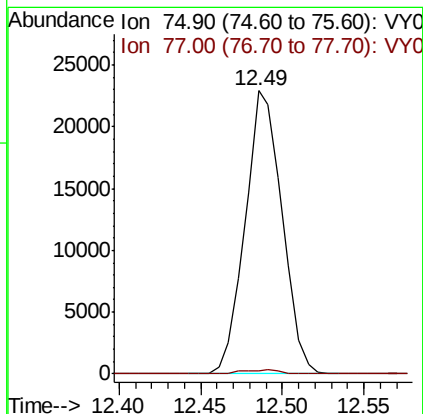
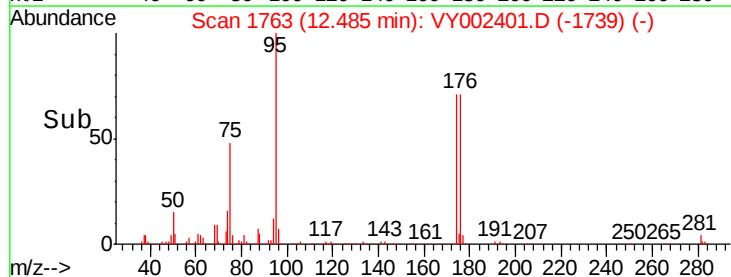
75 100

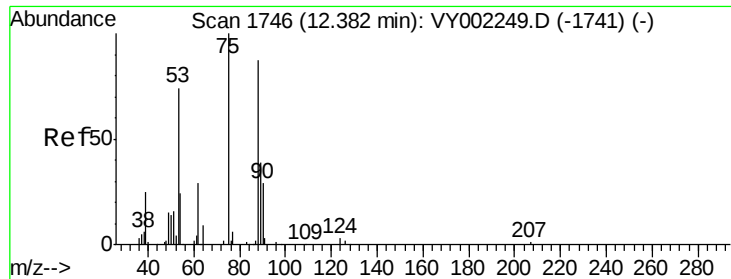
77 1.5 0.0 0.0#



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: 80.720 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002401.D

Acq: 17 Apr 2020 15:57

Instrument :

MSVOA_Y

ClientSampleId :

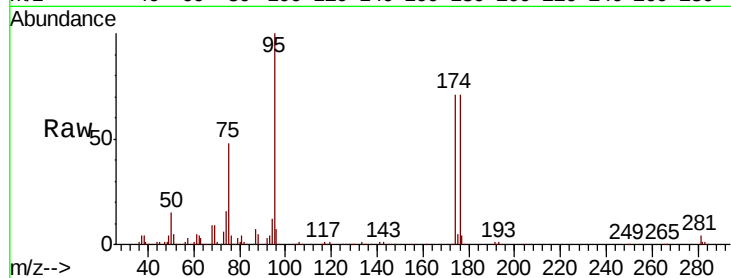
Tot Ion: 75 Resp: 36041

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

