

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
 Data File : VY002098.D
 Acq On : 27 Mar 2020 12:32
 Operator : SY/MD
 Sample : L2042-02RE
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-1.0-1.5

Quant Time: Mar 30 03:23:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	104405	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	195188	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	170324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	74263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	60994	52.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.72	113	56019	51.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.18	98	234673	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.48	95	76839	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

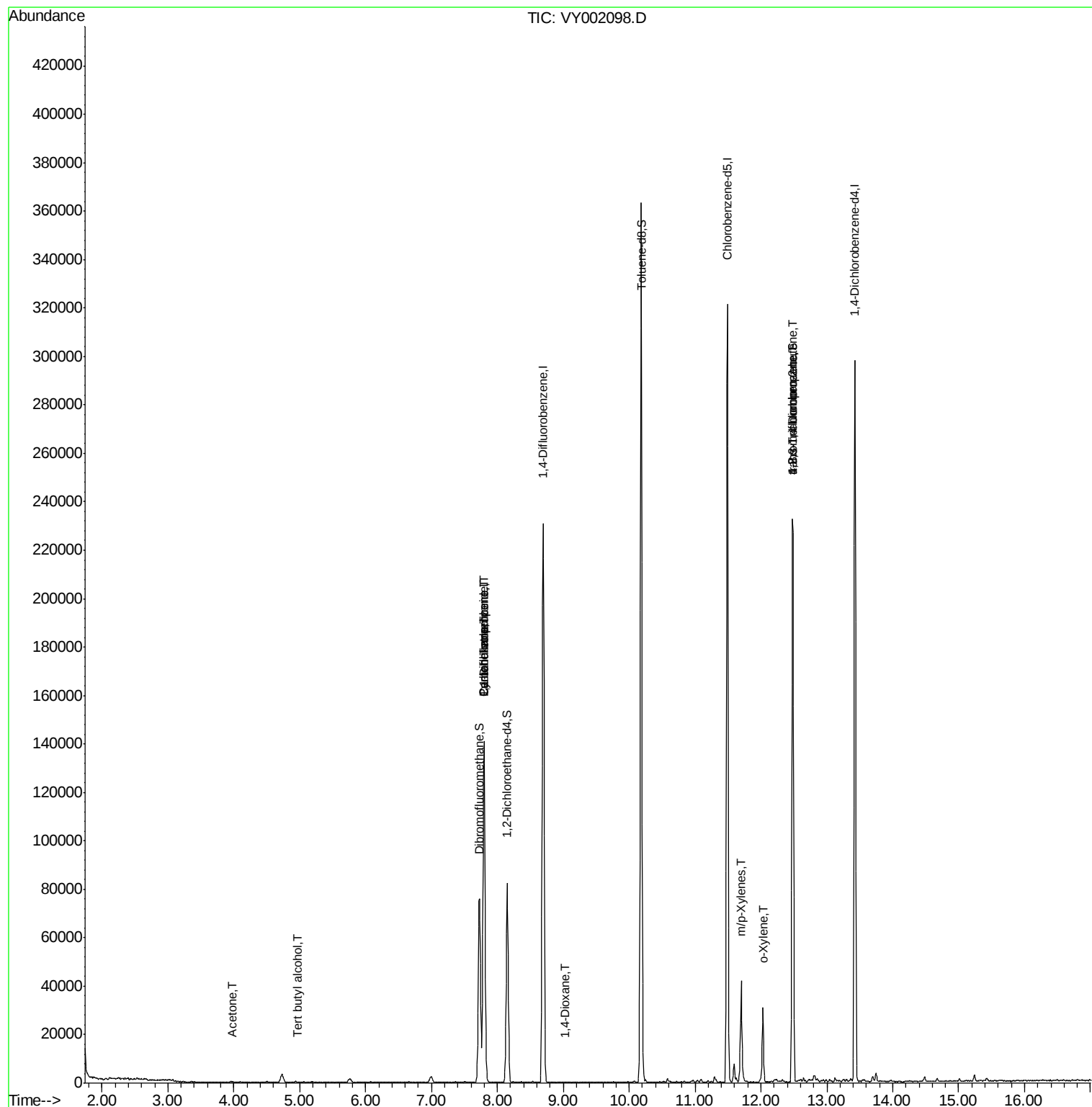
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	111	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	143	1.051	ug/l #	74
16) Acetone	3.97	43	571	1.761	ug/l	92
20) Methylene Chloride	4.73	84	2494	Below Cal		86
31) Cyclohexane	7.80	56	2646	1.100	ug/l #	13
36) 1,1-Dichloropropene	7.80	75	9059	4.907	ug/l #	49
38) Carbon Tetrachloride	7.80	117	10905	6.962	ug/l #	17
49) 1,4-Dioxane	9.03	88	44	4.484	ug/l #	21
68) m/p-Xylenes	11.70	106	12525	5.548	ug/l	100
69) o-Xylene	12.03	106	7702	3.596	ug/l	99
76) 1,2,3-Trichloropropane	12.48	75	39359	47.381	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	39359	91.793	ug/l #	17

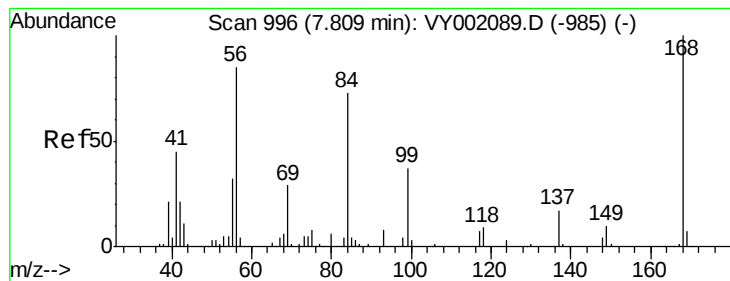
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY032720\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

Instrument :

MSVOA_Y

ClientSampled :

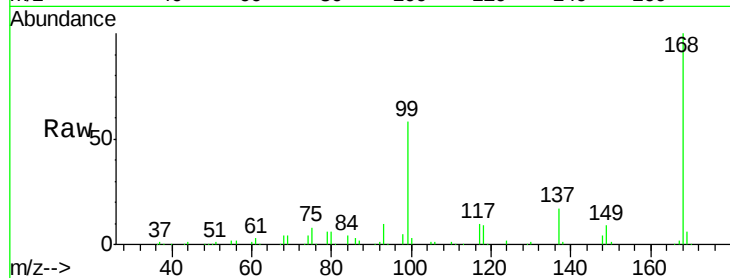
SB-02-1.0-1.5

Tgt Ion:168 Resp: 104405

Ion Ratio Lower Upper

168 100

99 58.5 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.80

50000

40000

30000

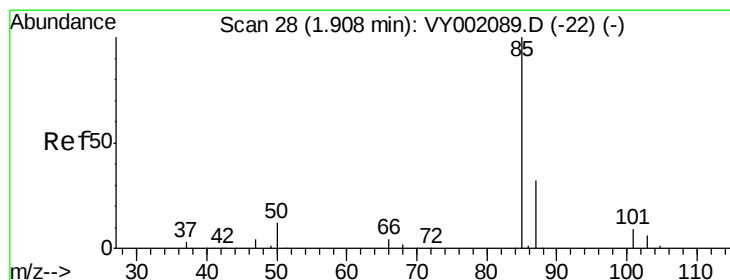
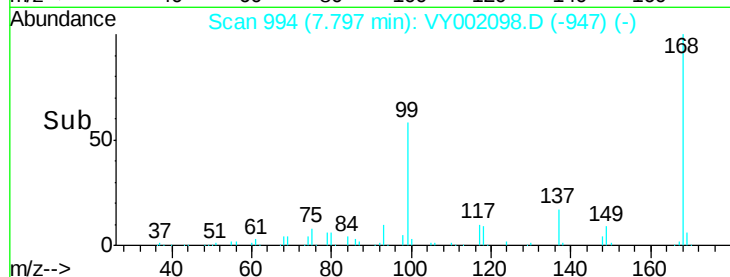
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002098.D

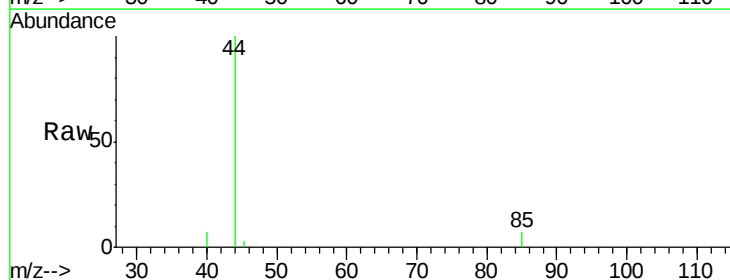
Acq: 27 Mar 2020 12:32

Tgt Ion: 85 Resp: 111

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

1.91

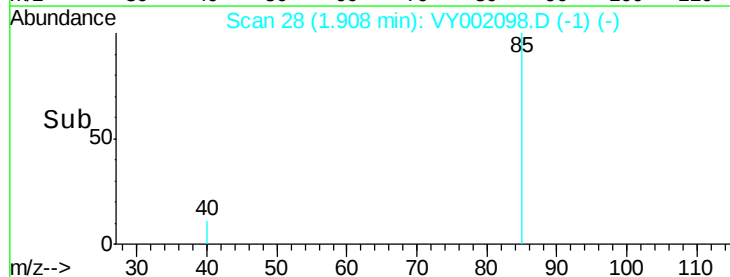
100

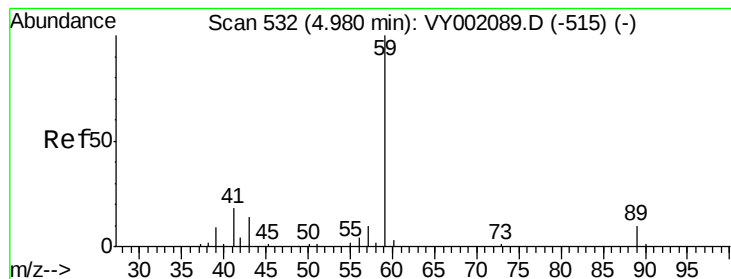
50

0

1.88 1.90 1.92

Time-->





#11

Tert butyl alcohol

Concen: 1.051 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

Instrument :

MSVOA_Y

ClientSampled :

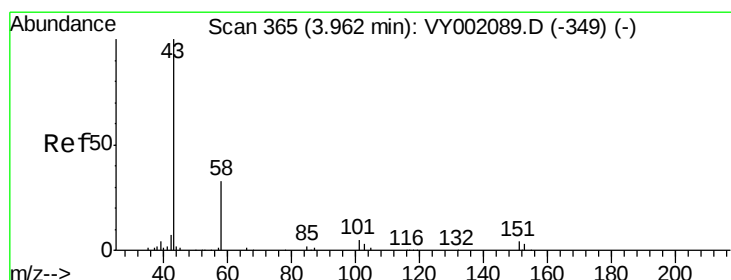
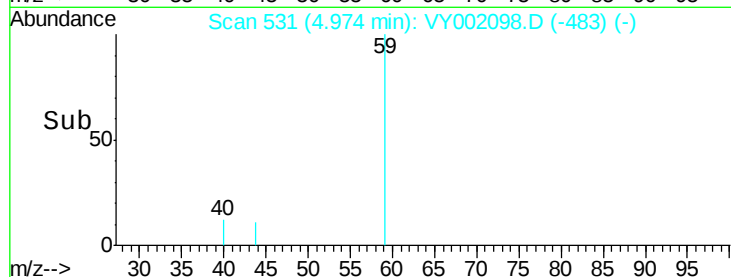
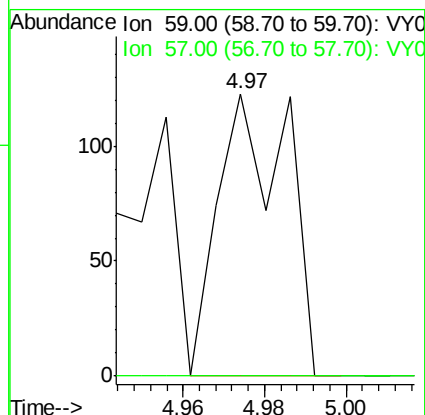
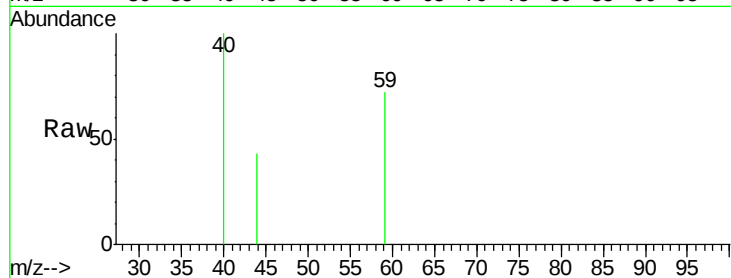
SB-02-1.0-1.5

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 1.761 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002098.D

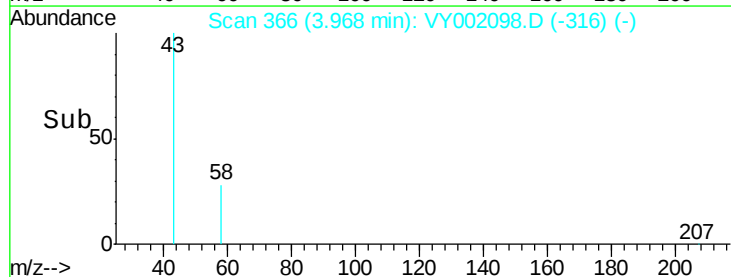
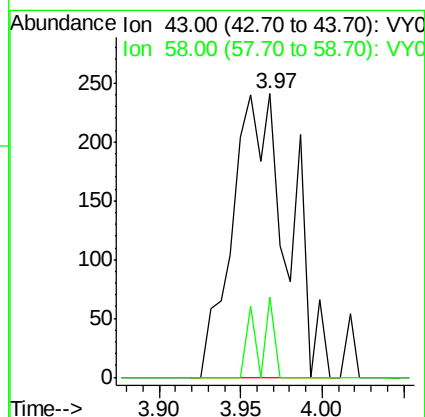
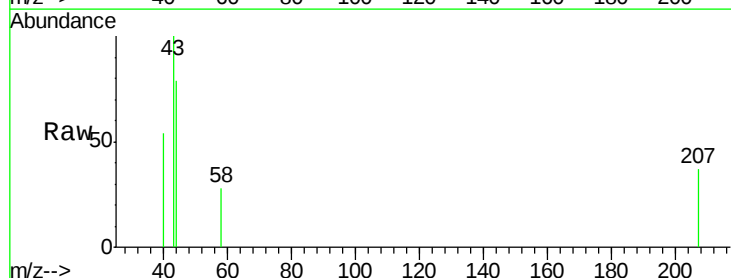
Acq: 27 Mar 2020 12:32

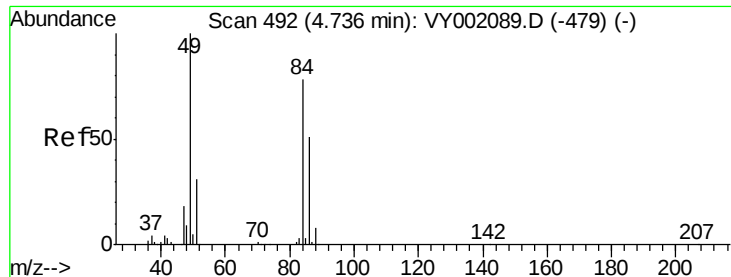
Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

58 28.2 26.3 39.5

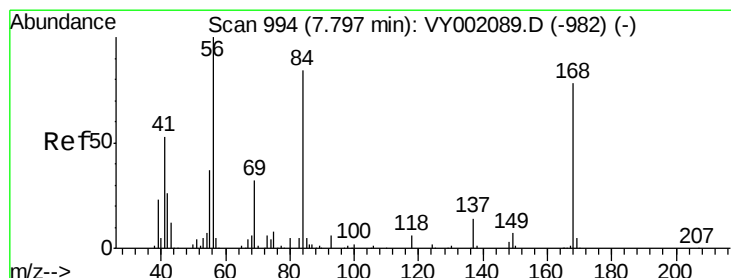
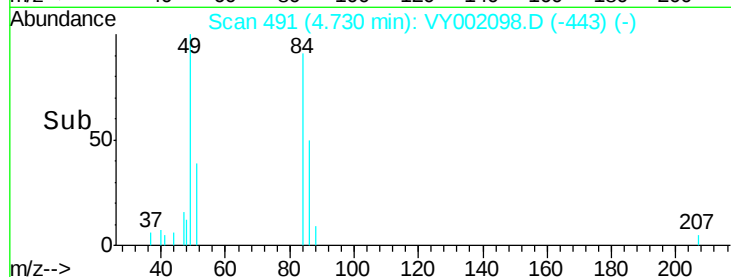
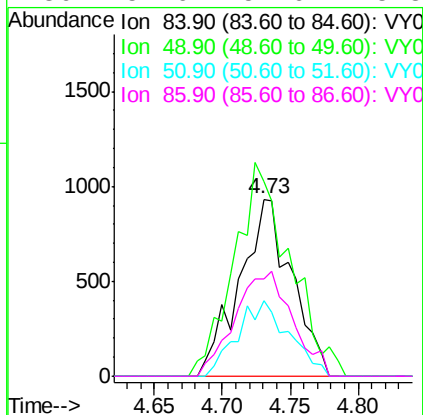
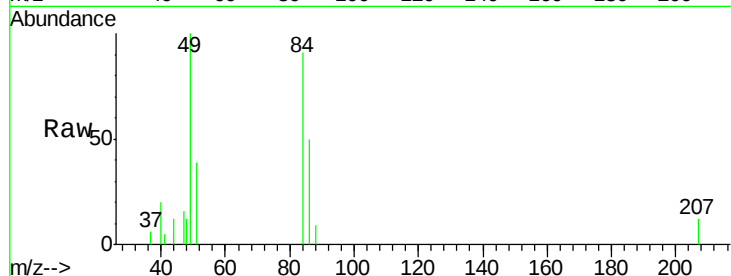




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

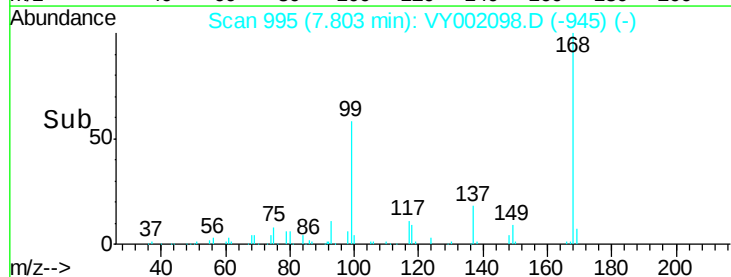
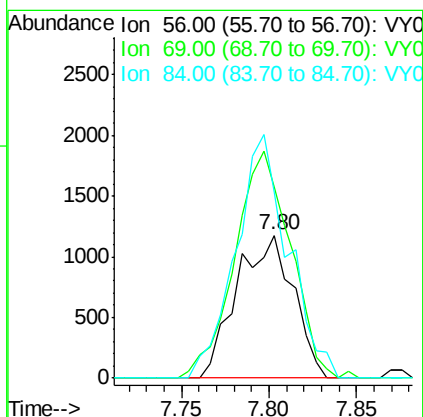
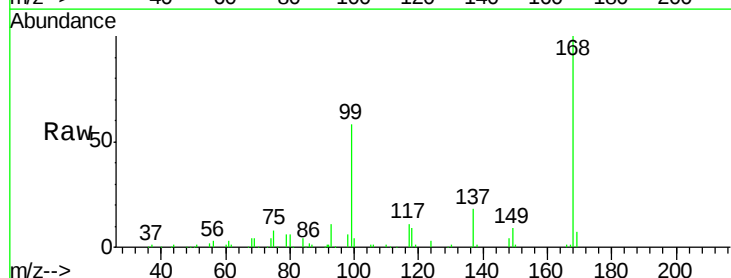
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-1.0-1.5

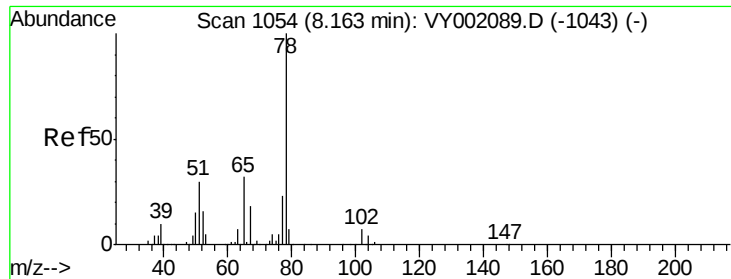
Tgt Ion: 84 Resp: 2494
Ion Ratio Lower Upper
84 100
49 109.6 102.2 153.4
51 42.3 31.2 46.8
86 54.6 52.6 78.8



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

Tgt Ion: 56 Resp: 2646
Ion Ratio Lower Upper
56 100
69 133.9 25.8 38.8#
84 130.0 67.1 100.7#





#33

1,2-Dichloroethane-d4

Concen: 52.847 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

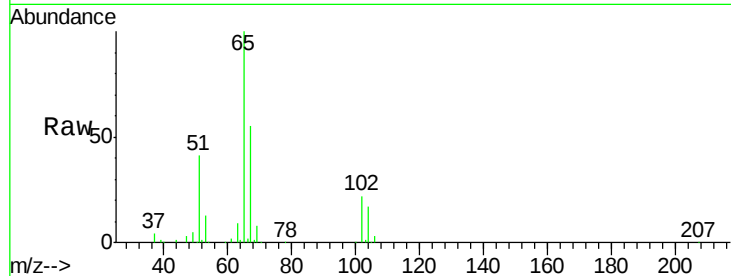
SB-02-1.0-1.5

Tgt Ion: 65 Resp: 60994

Ion Ratio Lower Upper

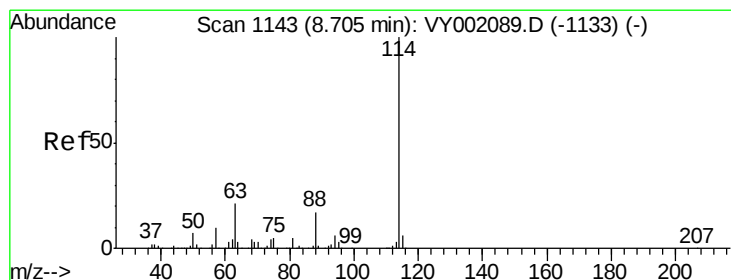
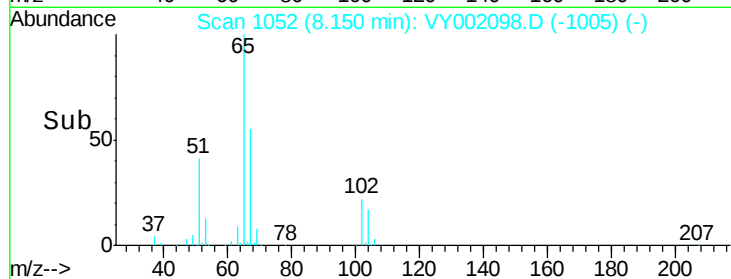
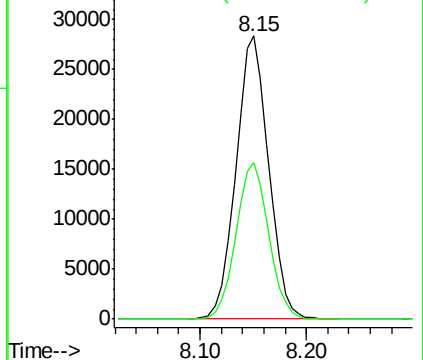
65 100

67 55.2 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

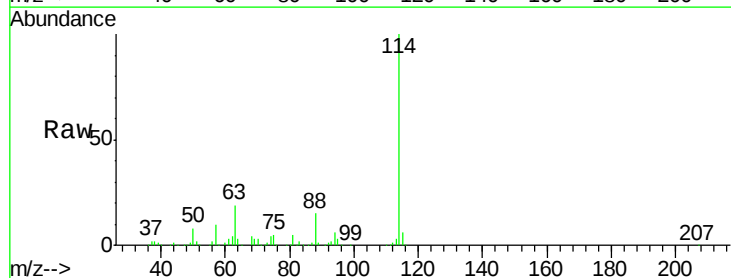
Tgt Ion: 114 Resp: 195188

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

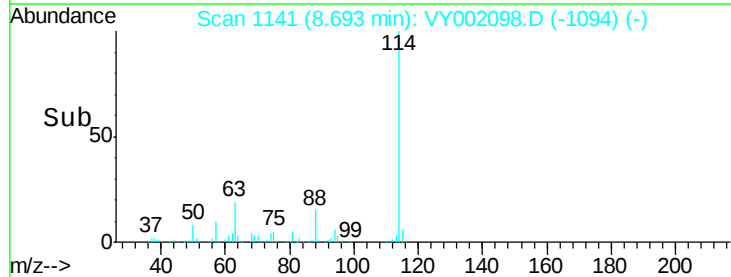
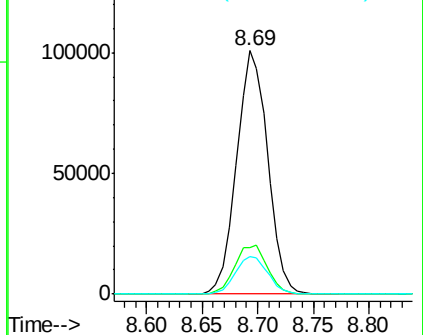
88 15.5 0.0 33.0

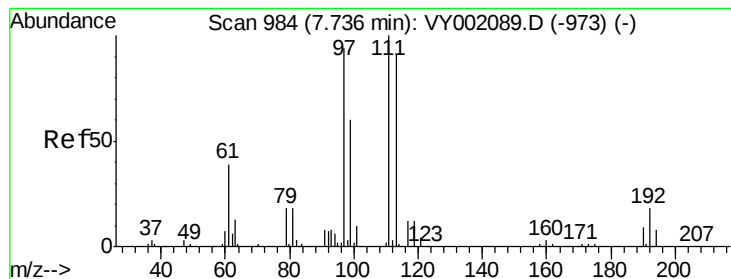


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 51.221 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-1.0-1.5

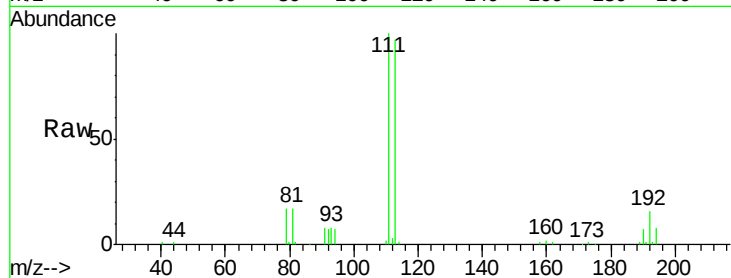
Tgt Ion:113 Resp: 56019

Ion Ratio Lower Upper

113 100

111 102.9 84.4 126.6

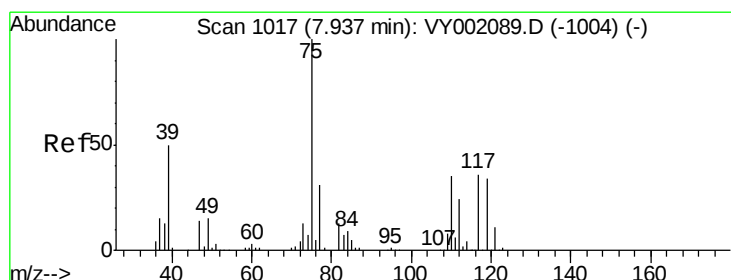
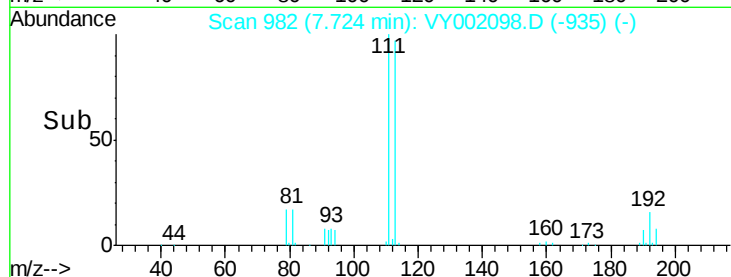
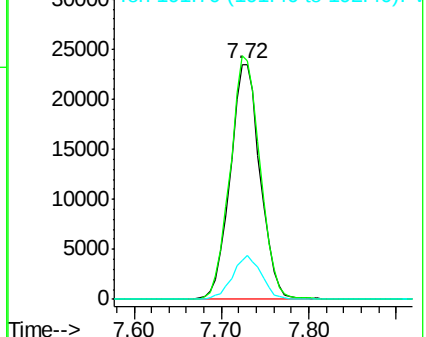
192 17.9 14.6 21.8



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: 4.907 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

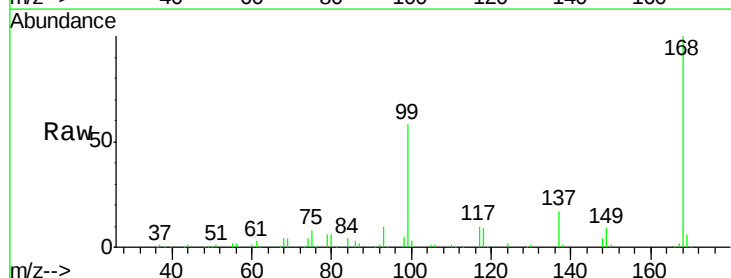
Tgt Ion: 75 Resp: 9059

Ion Ratio Lower Upper

75 100

110 7.6 17.2 51.6#

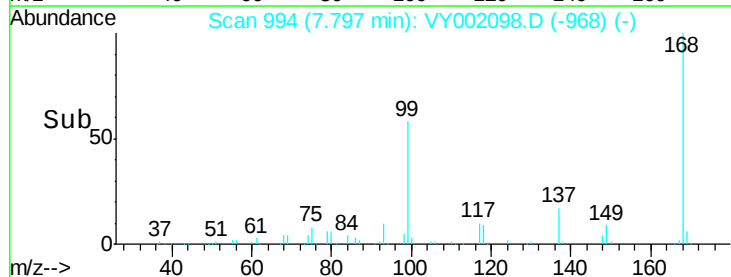
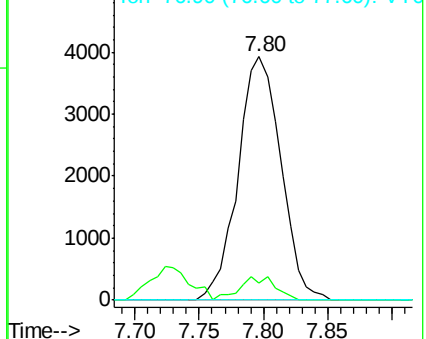
77 0.0 24.7 37.1#

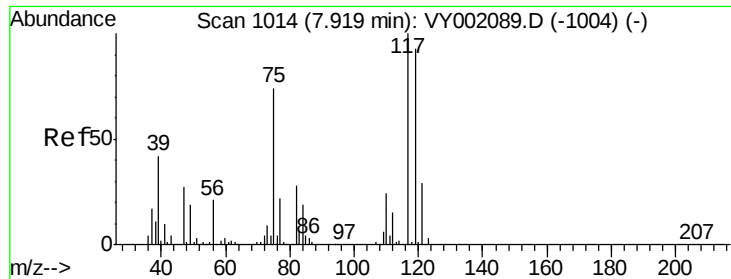


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.962 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

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ClientSampleId :

SB-02-1.0-1.5

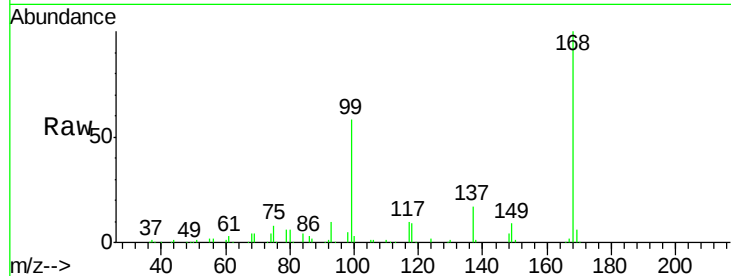
Tgt Ion:117 Resp: 10905

Ion Ratio Lower Upper

117 100

119 4.4 74.3 111.5#

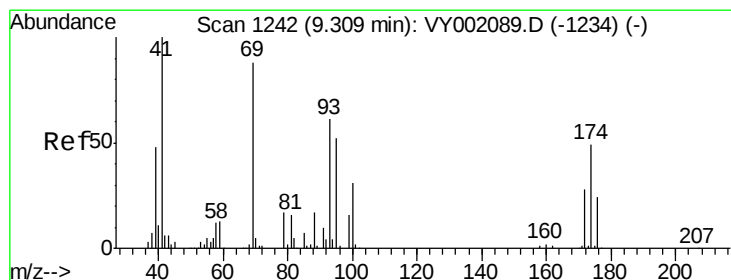
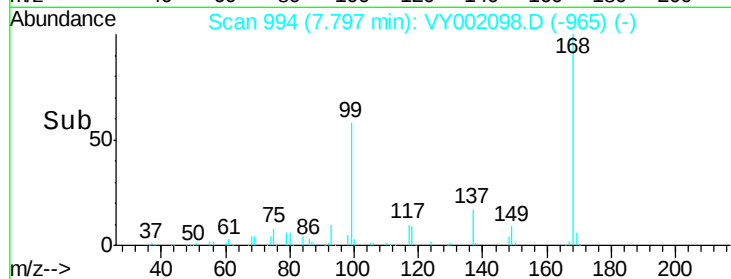
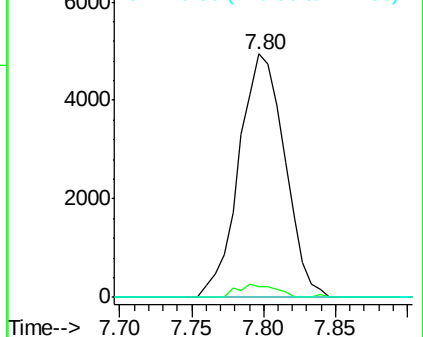
121 0.0 23.3 34.9#



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: 4.484 ug/l

RT: 9.03 min Scan# 1196

Delta R.T. -0.28 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

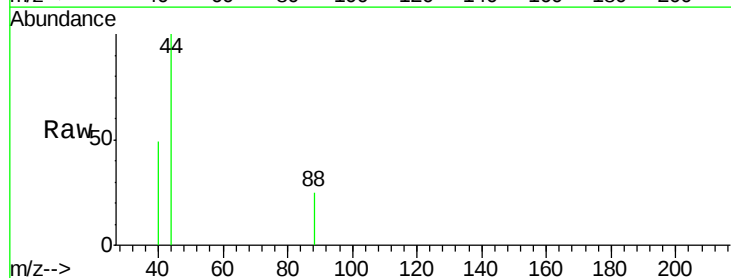
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 0.0 27.2 40.8#

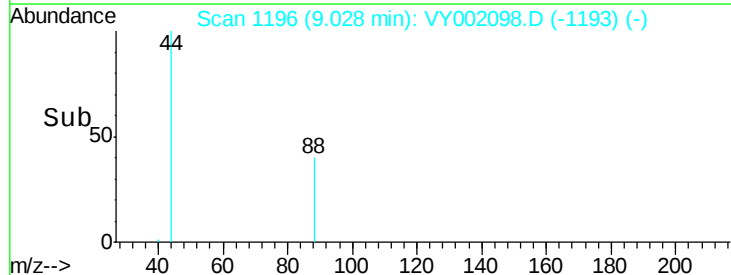
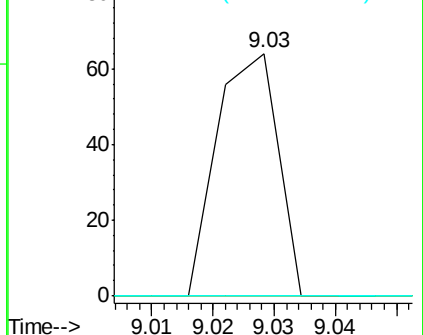
58 0.0 59.8 89.8#

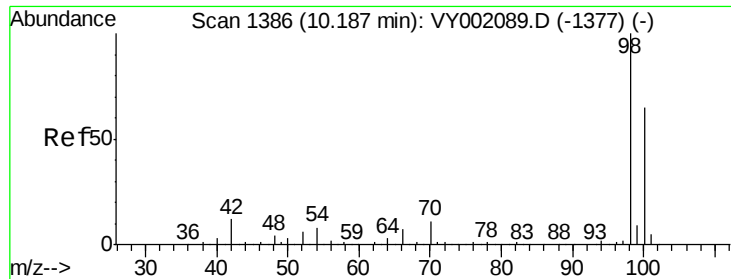


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.652 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

Instrument :

MSVOA_Y

ClientSampleId :

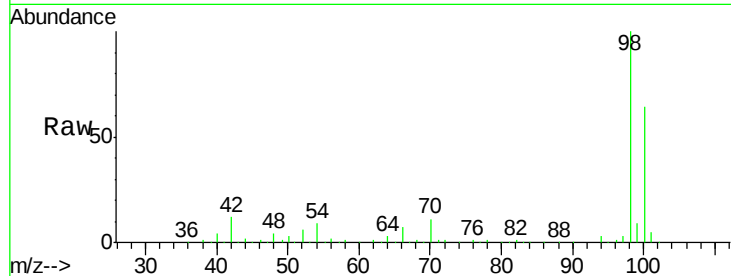
SB-02-1.0-1.5

Tgt Ion: 98 Resp: 234673

Ion Ratio Lower Upper

98 100

100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

150000

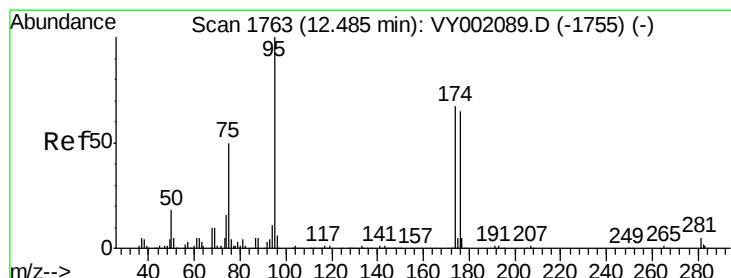
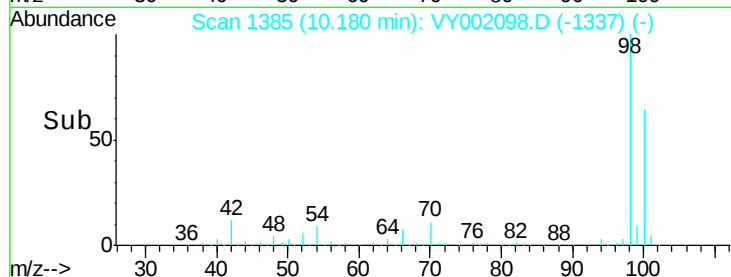
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 48.358 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002098.D

Acq: 27 Mar 2020 12:32

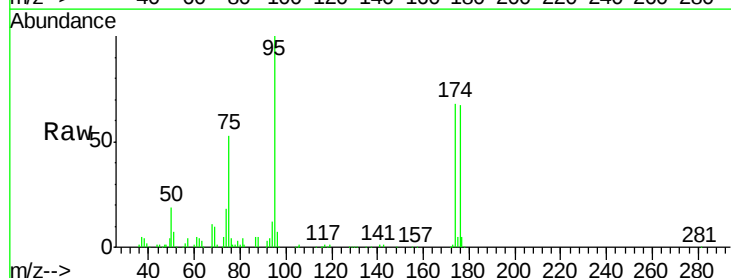
Tgt Ion: 95 Resp: 76839

Ion Ratio Lower Upper

95 100

174 71.9 0.0 143.4

176 70.1 0.0 137.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

60000

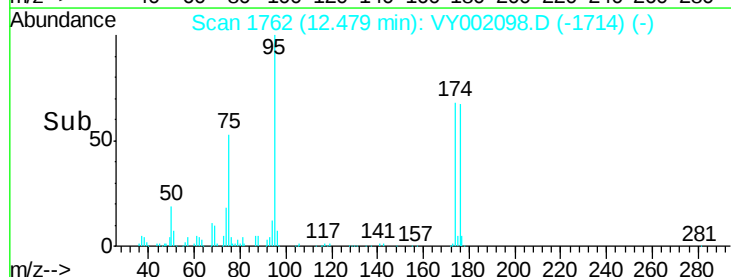
40000

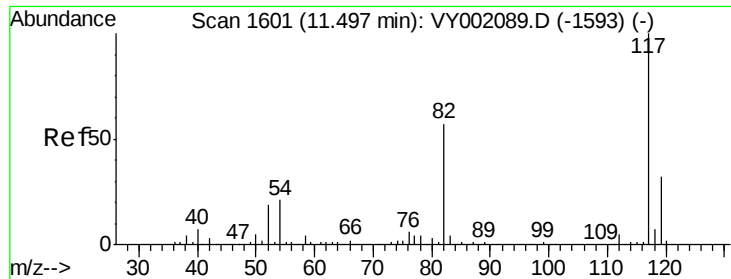
20000

0

12.40 12.45 12.50 12.55

Time-->

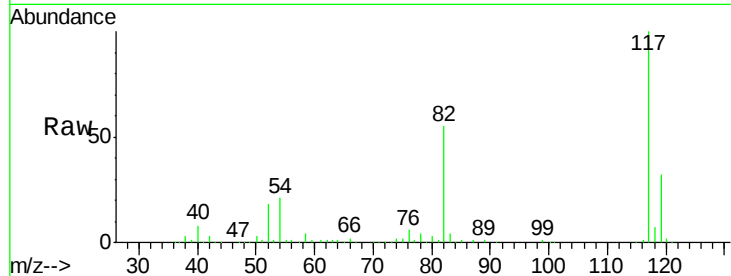




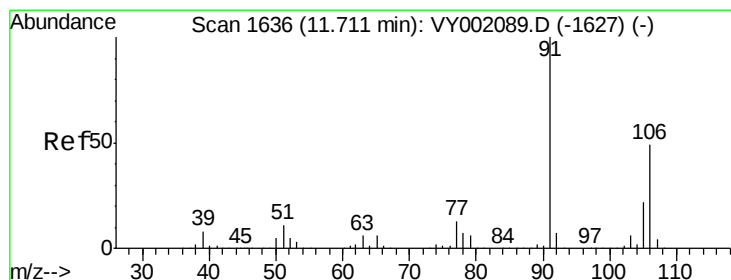
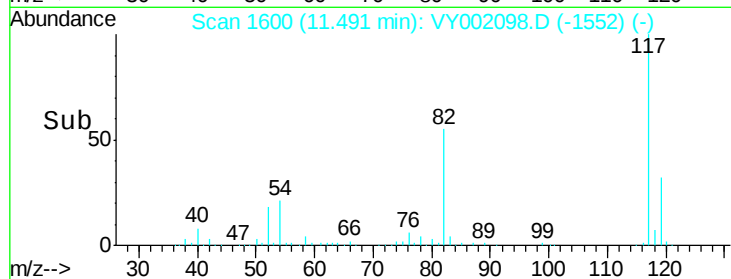
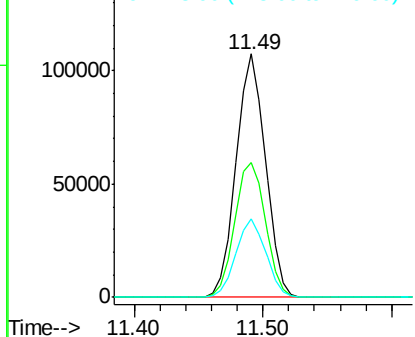
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-1.0-1.5

Tgt Ion:117 Resp: 170324
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.2
119 32.4 25.3 37.9

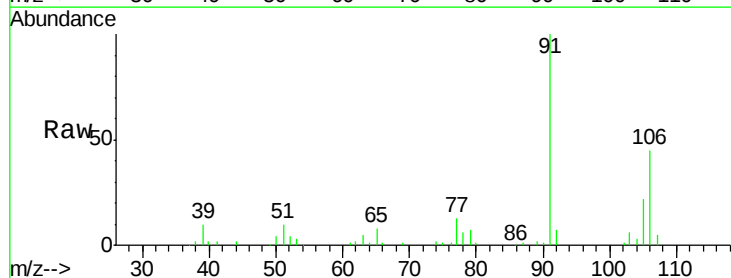


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

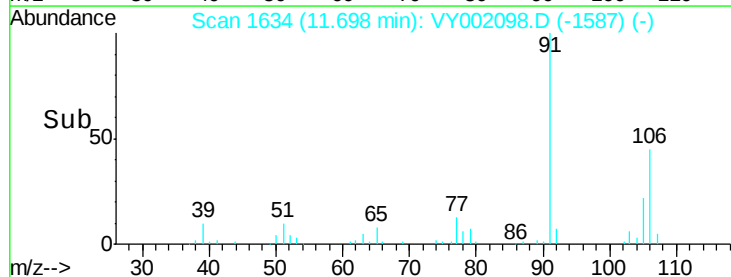
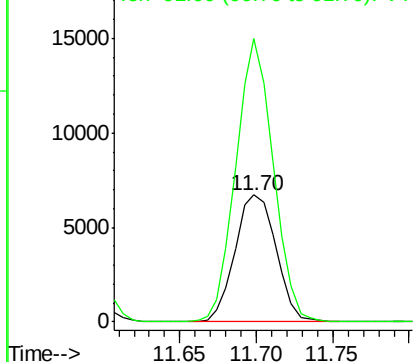


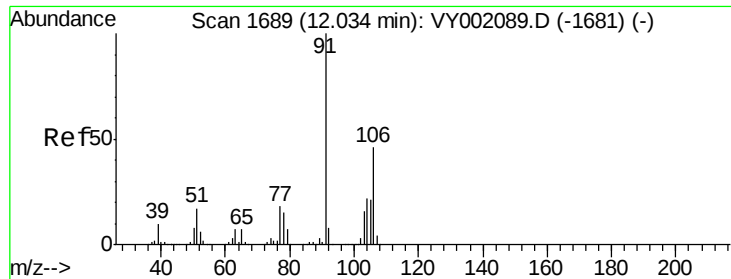
#68
m/p-Xylenes
Concen: 5.548 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

Tgt Ion:106 Resp: 12525
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2



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

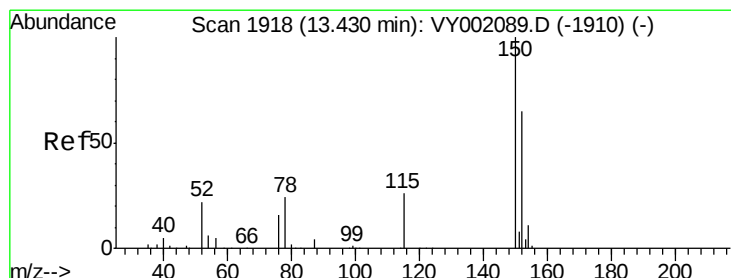
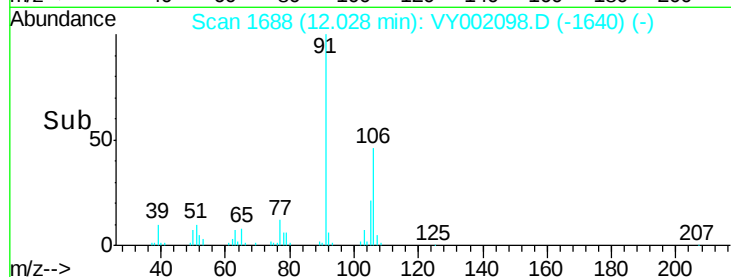
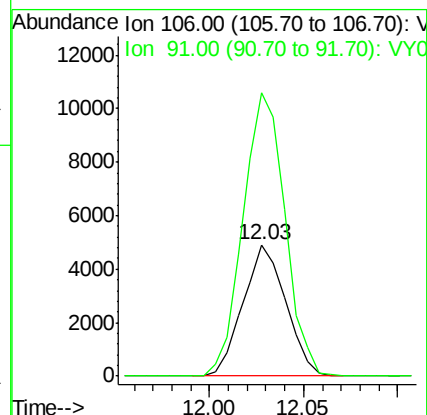
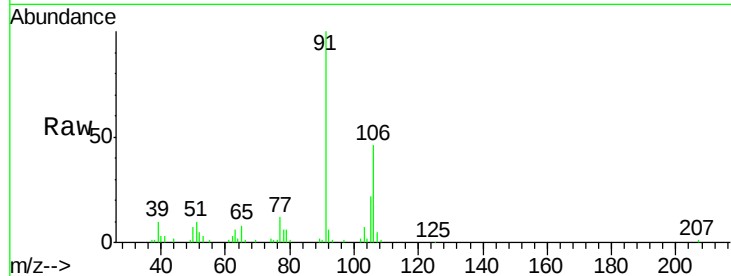




#69
o-Xylene
Concen: 3.596 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

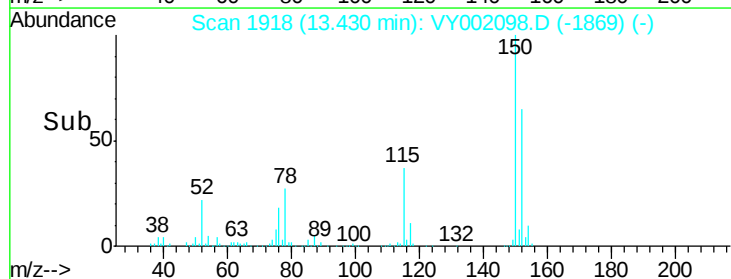
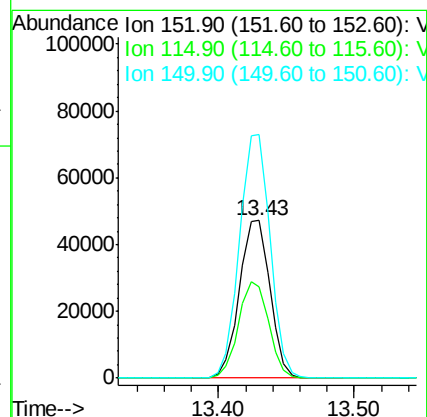
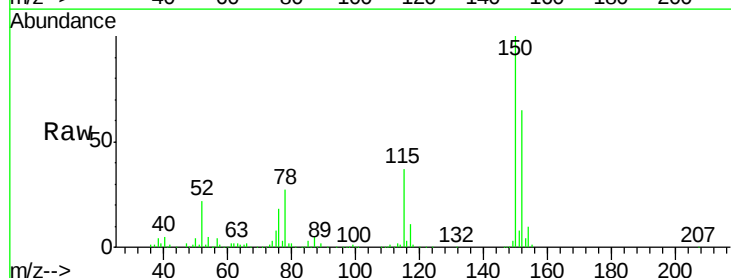
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-1.0-1.5

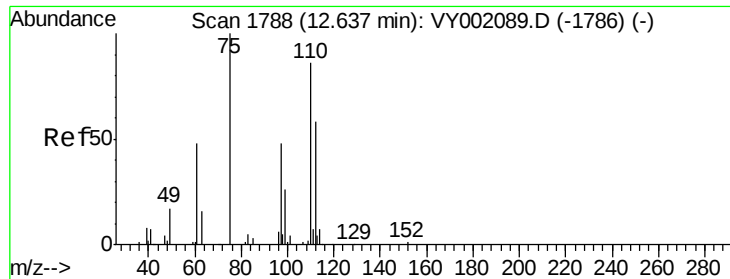
Tgt Ion:106 Resp: 7702
Ion Ratio Lower Upper
106 100
91 212.2 107.3 321.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002098.D
Acq: 27 Mar 2020 12:32

Tgt Ion:152 Resp: 74263
Ion Ratio Lower Upper
152 100
115 60.3 31.2 93.6
150 154.4 0.0 354.8

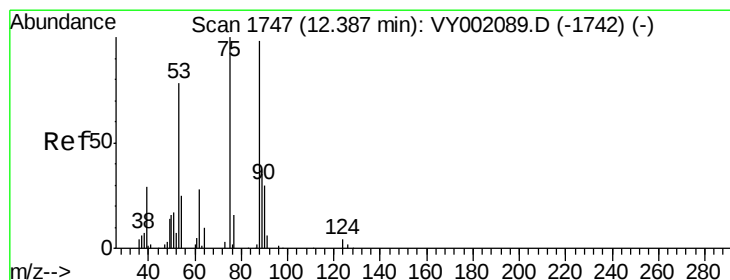
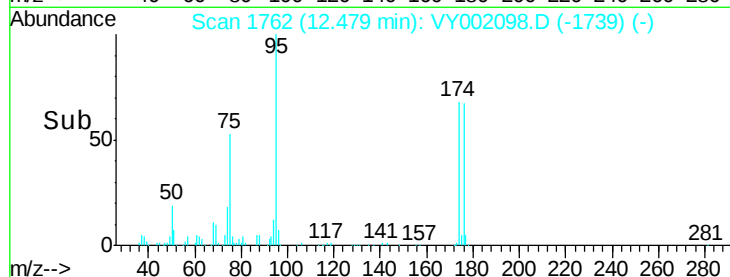
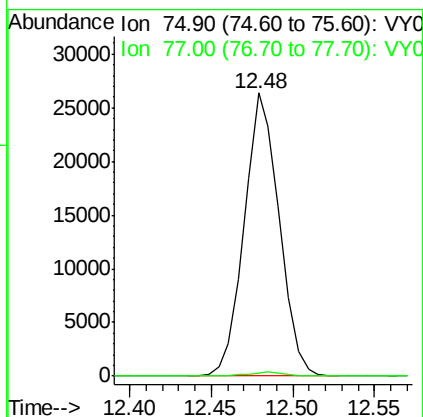
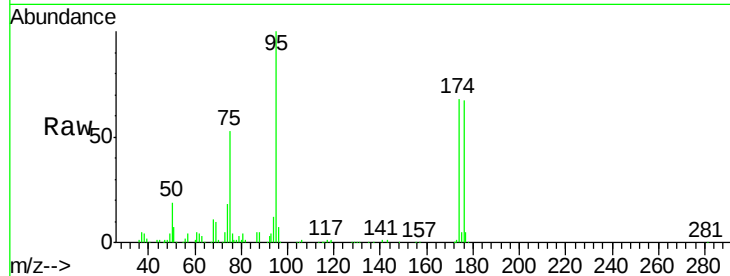




#76
 1,2,3-Trichloropropane
 Concen: 47.381 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY002098.D
 Acq: 27 Mar 2020 12:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-1.0-1.5

Tgt Ion: 75 Resp: 39359
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.793 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.09 min
 Lab File: VY002098.D
 Acq: 27 Mar 2020 12:32

Tgt Ion: 75 Resp: 39359
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.0 97.4#
 89 0.0 33.4 50.0#

